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Setting the Standard in Comprehensive Environmental Solutions



Indoor Air Quality Assessment Report

at

F.T. Day Elementary School 1701 N Beauregard St, Alexandria, VA 22311



<u>Report Prepared for:</u> 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
СО	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. <u>Conditions for Human Occupancy</u>

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 " newcarpet" 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	СО	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	Mo	Mold		4PCH	Formaldehyde				
		AVG: 75 F	AVG: 40 %	VOCS						
110 Welcome Center	< 4 pCi/L	*Spore Ratio	o Anomaly*	< RSL	< 6.5 ug/m3	< RSL				
161 Physical Activity	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
160 Music Room	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
130 Multi-Purpose	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
Stair 230	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
225	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
214	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
C205	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
317	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
Hall 319	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
Hall 325	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
440	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
412	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
C411 A	< 4 pCi/L	Spore Cou	nt Normal	< RSL	< 6.5 ug/m3	< RSL				
420	< 4 pCi/L	Spore Cou	nt 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



#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.

John N. Hoyces

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



EPA Laboratory ID: VA01419







DPH License: #PH-0198

3005 East Boundary Terrace, Suite F. Midlothian, VA. 23112

(804) 562-3435

(571) 289-2173

#21035349

SOP - HMC#101

Sample Number	1	4315	5157	2	4315	640	3	4315	624	4	3415	5127	
Sample Name	110			Physical Activity			Outdoor			Music Room			
	75.00 !!!			75.00 (')			75.00 //:						
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			2			
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	<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 Indicato	Water Damage Indicator Common Allergen		on Allergen		Slightly Higher	than Baseline	Signi	Significantly Higher than Baseline			Ratio Abnormal	ity	
		Collected:Sep 1	3, 2021	Rece	eived: Sep 15, 2	021	Reported:	Sep 15, 2021					
	ES	Project Analyst: Connor Gailliot, F	BS A			Date: 09 - 15 - 202	Reviewe 21 Steve H	ed By: layes, BSMT 🏒	ttephen 1	1. Hoyes	Date:	5 - 2021	

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contact@hayesmicrobial.com (804) 562-3435

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(571) 289-2173

#21035349

SOP - HMC#101

Sample Number	5	4315	5641	6	4315	5634	7	4315	5630	8	4315	5125	
Sample Name	N	Multipurpose			Stair F Floor 2			Class 225			Class 214		
											75.00 /')		
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	Baw Count	Count / m ³	% of Total	Baw Count	Count / m ³	% of Total	Baw Count	Count / m ³	% of Total	Baw Count	Count / m ³	% of Total	
Alternaria							1	13	31%				
Ascospores	2	27	40.0%						0.1.0				
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	r	Commo	on Allergen		Slightly Higher	than Baseline	Signi	ficantly Higher 1	than Baseline		Ratio Abnormal	ity	
		Collected:Sep 1	3, 2021	Rece	ived: Sep 15, 2	021	Reported:	Sep 15, 2021					
G HAY	ES	Project Analyst: Connor Gailliot, I	BS f	A		Date: 09 - 15 - 202	Reviewe 21 Steve H	ed By: layes, BSMT 🏒	tephen 1	1. Hoyes	Date:	5 - 2021	
MICROBIAL CO	INSULTING	3005 East Bo	oundary Terra	ce, Suite F. Mic	llothian, VA. 2	3112	(804) 562-34	35 con	tact@hayesn	nicrobial.com		Page: 3 of 8	

Ferdinand T Day

#21035349

Sop - HMC#101

(571) 289-2173												SOP - HMC#1
Sample Number	9	431	5135	10	431	5131	11	431	5120	12	431	5688
Sample Name	Extend	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/m ³	3	13 spores/m ³				13 spores/m ³	3	13 spores/m ³		
Background		2			2			2		3		
Fragments		ND			ND			ND			ND	
		3			3	0. (-		3			3	
Organism	Raw Count	Count / m°	% of Total	Raw Count	Count / m°	% of Total	Raw Count	Count / m°	% of Total	Raw Count	Count / m°	% of Total
Alternaria		40	27 59/		27	40.0%				2	40	22.2%
Ascospores	3	40	37.5%	Ζ	21	40.0%	7	02	70.0%	3	40	33.3%
Asperginus Pericinium	3	40	37.3%	1	10	20.0%	1	93	70.0%	3	40	33.3%
Bipolaris	I	13	12.5%		13	20.0%	Ζ	21	20.0%	Ζ	Ζ1	ZZ.Z%
Chaetomium												
Cladosporium	1	13	12.5%	2	27	10.0%	1	13	10.0%	1	13	11 1%
Curvularia		10	12.0%		21	+0.0%		10	10.0%		10	11.170
Enicoccum												
Fusarium												
Memnoniella												
Myxomycetes												
Pithomyces												
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	8	106	100%	5	67	100%	10	133	100%	9	120	100%
Water Damage Indicato	r	Commo	on Allergen		Slightly Higher	than Baseline	Signi	ficantly Higher	than Baseline		Ratio Abnormal	ity
		Collected: Sep	13, 2021	Rece	eived: Sep 15, 2	021	Reported:	Sep 15, 2021				
		Project Analyst Connor Gailliot,	BS CA		-	Date: 09 - 15 - 202	Reviewe 21 Steve H	ed By: layes, BSMT 🏒	Itephen 1	1. Hayes	Date:	5 - 2021

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#21035349

Sop - HMC#101

(571) 289-2173											:	SOP - HMC#1	
Sample Number	13	431	5132	14	431	5633	15	4315	5623	16	431	5628	
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/m ³	3		13 spores/m ³	3		13 spores/m ³	1	13 spores/m ³			
Background		2			2			2			3		
Fragments		ND			ND			ND			ND		
		0 1 4 3	0. (T)		0 1 4 3	0. (T)		o 3	0: (T)		a a a 3	0. (T)	
Organism	Raw Count	Count / m°	% of Total	Raw Count	Count / m°	% of Total	Raw Count	Count / m ^o	% of Total	Raw Count	Count / m°	% of Total	
Alternaria					07	20.0%							
Ascospores				2	27	20.0%					E 2	4 4 4 9/	
Aspergilius Penicilium		E.2	E7 10/	Z	21 67	20.0%		40	100.0%		53	44.4%	
Basiciospores	4	53	57.1%	5	07	50.0%	3	40	100.0%	5	07	55.0%	
Chaotomium													
Cladosporium	2	40	12.0%	1	10	10.0%							
Curvularia	3	40	42.9%	I	15	10.0 %							
Enicoccum													
Fusarium													
Memnoniella													
Myxomycetes													
Pithomyces													
Stachybotrys													
Stemphylium													
Torula													
Ulocladium													
Total	7	93	100%	10	134	100%	3	40	100%	9	120	100%	
Water Damage Indicato	r	Commo	on Allergen		Slightly Higher	than Baseline	Signi	ficantly Higher	than Baseline		Ratio Abnormal	ity	
	FS	Collected: Sep 1 Project Analyst:	13, 2021	Rece	eived: Sep 15, 2	021 Date:	Reported:	Sep 15, 2021	Q. 1	0 11	Date:		
		Connor Gailliot,	BS	the second	-	09 - 15 - 202	21 Steve H	layes, BSMT 📈	tephen 7	1. Aayes	- 09 - 1	5 - 2021	

3005 East Boundary Terrace, Suite F. Midlothian, VA. 23112

contact@hayesmicrobial.com (804) 562-3435

Page: 5 of 8

Karl Ford Total Environmental Concepts, Ir	nc. Ferdinand T Day	#21035349
Lorton, VA 22079 (571) 289-2173	Spore Tra	ap 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 perce 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 excee be estimated.	ntage of the slide ed 500 spores will
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 non-organic matter. As the background density increases, the likelihood of spores, especially small spores such as those of Aspergillus a be obscured. The background is rated on a scale of 1 to 5 and each level is determined as follows:	l other organic and nd Penicillium may
	 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, ma presence of mold amplification.	ıy indicate the
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 gu widely accepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not excepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not excepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not excepted in the indoor and given time. There will always be some mold spores present in "normal" indoor environments. The purpose of sam spores is to help determine whether an abnormal condition exists within the indoor environment and if it does, to help pinpoint the area of Spore counts should not be used as the sole determining factor of mold contamination. There are many factors that can cause anomalies of indoor and outdoor samples due to the dynamic nature of both of those environments.	ideline that is red those that are pling and counting contamination. in the comparison
Water Damage Indicator	Blue: These molds are commonly seen in conditions of prolonged water intrusion and usually indicate a problem.	
Common Allergen	Green: Although all molds are potential allergens, these are the most common allergens that may be found indoors.	
Slightly Higher than Baseline	Orange : The spore count is slightly higher than the outside count and may or may not indicate a source of contamination.	
Significantly Higher than Baseline	Red : The spore count is significantly higher than the baseline count and probably indicates a source of contamination.	
Ratio Abnormality	Violet: The types of spores found indoors should be similar to the ones that were identified in the baseline sample. Significant increases 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 environment than it was outdoors.	(more than 25%) in lower in the indoor
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 o indicators.	f the water damage



Karl Ford Total Environmental C	Concepts, I	nc. Ferdinand T Day	#21035349
Lorton, VA 22079 (571) 289-2173			Organism Descriptions
Alternaria	Habitat:	Commonly found outdoors in soil and decaying plants. Indoors, it is commonly found on window sills and other h	orizontal surfaces.
	Effects:	A common allergen and has been associated with hypersensitivity pneumonitis. Alternaria is capable of producing may be associated with disease in humans or animals. Occasionally an agent of onychomycosis, ulcerated cutaneo sinusitis, principally in the immunocompromised patient.	toxic metabolites which us infection and chronic
Ascospores	Habitat:	A large group consisting of more than 3000 species of fungi. Common plant pathogens and outdoor numbers bec rain. Most of the genera are indistinguishable by spore trap analysis and are combined on the report.	ome very high following
	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 a a wide variety of substrates.	ble to grow well indoors on
	Effects:	This group contains common allergens and many can cause hypersensitivity pneumonitis. They may cause extrins opportunistic pathogens. Many species produce mycotoxins which may be associated with disease in humans and production is dependent on the species, the food source, competition with other organisms, and other environment	ic asthma, and many are I other animals. Toxin tal conditions.
Basidiospores	Habitat:	A common group of Fungi that includes the mushrooms and bracket fungi. They are saprophytes and plant pathog can cause structural damage to buildings.	gens. In wet conditions they
	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 lower in the winter and often relatively high in the summer, especially in high humidity. The outdoor numbers often and evening. Indoors, it can be found growing on textiles, wood, sheetrock, moist window sills and in HVAC supply	s. The outdoor numbers are spike in the late afternoon ducts.
	Effects:	A common allergen, producing more than 10 allergenic antigens and a common cause of hypersensitivity pneumo	nitis.
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, inclu onychomycosis, mycetoma, pneumonia, endocarditis and desseminated infection, primarily in the immunocompror	ding keratitis, sinusitis, nised.



Karl Ford Total Environmental Concepts, Inc.		TC. Ferdinand T Day	#21035349
Lorton, VA 22079 (571) 289-2173			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	. //		Placement Tech Placement Date	Cheming	Sample Type Email	Mold ter p
Environmen Concepts,	tal Inc.		Address	Fercinand T	day	
		2				
A315157	11.0	TAL/M	J Sampling line	Pump start time	17:20	Comments
93156AS	Physical Activity			17:16	17:23	
4315624	Outdoor			17:23	12:31	
4315122	Music Room			22:21	17734	
4315641	Multipurpose			17:33	12:41	
4595125	Stain F Floor 2			17:37	17:45	
4315630	CLASS 225			54 Jan : LI	17:52	
4515125	CLA39214			17:47	17155	
43 15 135	Extended reaminios			55:61	18:02	
A315131	Wall C 302			12:22	20:51	
A 315120	Hanc 305	1		18:09	71:181	
4315628	C LA23 317			18:10	18:18	
4315132	Extended learning for			18:22	12:21	
4315633	CLASS AIZ			18:24	18:31	
4315623	Room 470 - Media Center	<	V	18:26	18:33	0
4315628	CLASS \$20			1 8:36	18:43	
						5m.
		23				

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Appendix B: Radon Analytical Results

October 6, 2021

Attention:

Ft Day 161

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Kit #: 9723776 Location: Ft Day Hall 25	Result: < 0.3 pCi/l	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 Location: Ft Day C 205 ,	Result: < 0.3 pCi/l	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 Location: Ft Day 214 ,	Result: < 0.3 pCi/l	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 Location: Ft Day 161 2 ,	Result: < 0.3 pCi/l	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 Location:	Result: < 0.3 pCi/l	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	Analysis Note :
Location:		Analyzed : 2021-09-17 at 10:00 am
		Started : 2021-09-13 at 6:00 pm
Ft Day 440		Ended : 2021-09-16 at 3:00 pm
,		Hours/MST% : 69 hours 9.7% 70°F

October 6, 2021

**** LABORATORY ANALYSIS REPORT ****

Attention:

Kit #: 9731143 Location: Ft Day Stairs 230	Result: < 0.3 pCi/l	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 Location: Ft Day 161 D ,	Result: 0.5 ± 0.3 pCi/l	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 Location: Ft Day 130 ,	Result: < 0.3 pCi/l	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

October 6, 2021

**** LABORATORY ANALYSIS REPORT ****

Attention:

Kit #: 9731156	Result: < 0.3 pCi/l	Analysis Note :			
Location:	ľ	Analyzed : 2021-09-17 at 10:00 am			
	- 12	Started : 2021-09-13 at 6:00 pm			
Ft Day C401 A H	fall	Ended : 2021-09-16 at 3:00 pm			
,		Hours/MS1% : 69 hours 11.1% /0°F			
Kit # 9731175	Result: $< 0.3 \text{ nCi/l}$	Analysis Note :			
Location:	Result. < 0.5 pebr	Analyzed : 2021-09-17 at 10:00 am			
Loomion		Started : 2021-09-13 at 5:00 pm			
Ft Day Hall 319		Ended : 2021-09-16 at 3:00 pm			
'		Hours/MST%: 70 hours 9.5% 70°F			
Kit #: 9731176	Result: < 0.3 pCi/l	Analysis Note :			
Location:	Ĩ	Analyzed : 2021-09-17 at 10:00 am			
		Started : 2021-09-13 at 5:00 pm			
Ft Day 225		Ended : 2021-09-16 at 3:00 pm			
,		Hours/MST% : 70 hours 11.4% 70°F			
Kit #: 9731177	Result: < 0.3 pCi/l	Analysis Note :			
Location:		Analyzed : 2021-09-17 at 10:00 am			
		Started : 2021-09-13 at 5:00 pm			
Ft Day 110		Ended : 2021-09-16 at 3:00 pm			
,		Hours/MST% : 70 hours 10.9% 70°F			
Kit #: 9731178	Result: < 0.3 pCi/l	Analysis Note :			
Location:		Analyzed : 2021-09-17 at 10:00 am			
		Started : 2021-09-13 at 5:00 pm			
Ft Day 161b		Ended : 2021-09-16 at 3:00 pm			
,		Hours/MST% : 70 hours 5.9% 70°F			

Attention:

Kit #: 9731179 Location: Ft Day 440 (2)	Result: < 0.3 pCi/l	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 Location: Ft Day 412 ,	Result: < 0.3 pCi/l	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 Location: Ft Day 130 (2)	Result: < 0.3 pCi/l	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 Location: Ft Day 420	Result: < 0.3 pCi/l	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 Location: Ft Day 317	Result: < 0.3 pCi/l	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

FT 9731184 FT FT 9731186 FT FT 9731186 FT FT 9731182 FT	FT 9731189 FT FT 9731183 FT FT 9731183 FT FT 9731183 FT	ET 9731147 ET 9731147 ET 9731147 ET 9731147 ET 9731148 ET 9731148 ET 9731148 ET 9731148 ET 9731148 ET 9731148 ET	Total Environmental Concepts, Inc.
440 412 4120 420 420 420	214 214 317 317 Hall 319 Hall 325	1000000000000000000000000000000000000	Placement Tech Placement Date Address
Azzz	222222	224444	Victoria 7/13/202
22-222	z z z z z z z z z z z z z z z z z z z	2 Z Z Z Z Z Z Z Z Z Z Z Z Z N WINCOW M	P Sample Type K
N N N N N N N N N N N N N N N N N N N	N 1738 N 1736 N 1746 N 1746	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	adon
		Time out	Pictup Tech Pictup Date Email
		Contrect	11412021 Brd@geci.pro

Appendix C: VOCs (TO+15) Analytical Results


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/m³. 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







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.



Explanation of Qualifiers

SCIENCE

Project Name: ACPS IAQ Testing

PSS Project No.: 21092012

Standard Flags/Abbreviations:

- В A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- С Results Pending Final Confirmation.
- Е The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1. Fail
- 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.
- PSS Reporting Limit. RL
- 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



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-Luab

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/m³.



Account : Login No. :

ANALYTICAL REPORT

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 > - Greater than	mg - Milligrams ug - Micrograms	MDL - Method Detection Limit	ppb - Parts per Billion ppm - Parts per Million
I - Liters	m3 - Cubic Meters	NS - Not Specified	ppbv - ppb Volume
ft2 - Square Feet	cm2 - Square Centimeters	in2 - Square Inches	ng - Nanograms



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

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

Login No. : L547197 Date Analyzed : 30-SEP-21 : 1267378

Galson ID: Client ID:		L547197 FD-MUSI		97-1 L547197- SIC ROOM FD-PHYSI		-2 L547 ICAL ACTIVITY FD-M		17197-3 -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 TO1	5; GC/MS			Supervis	or: BLD		
Collection Media : Mini	Can			Approved b	y : JMR				
Submitted by : BLD				Date	: 04-OCT-21				



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

Client	:	Phase Separation Science,	Inc.	Account No.: 1	15354
Site	:	F.T. DAY SCHOOL		Login No. : I	1547197
Project No.	:	ACPS IAQ TESTING			
Date Sampled	:	17-SEP-21		Date Analyzed	: 30-SEP-21
Date Received	:	22-SEP-21		Report ID	: 1267378

Galson ID: Client ID:	Galson ID: Client ID:		L547197-1 FD-MUSIC ROOM		L547197 FD-PHYS	L547197-2 FD-PHYSICAL ACTIVITY		-3 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



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

Client	:	Phase Separation Science, Ir	nc.	Account No.: 2	L5354
Site	:	F.T. DAY SCHOOL		Login No. : I	1547197
Project No.	:	ACPS IAQ TESTING			
Date Sampled	:	17-SEP-21		Date Analyzed	: 30-SEP-21
Date Received	:	22-SEP-21		Report ID	: 1267378

Galson ID: Client ID:			L547197-1 FD-MUSIC ROOM		L547197-2 FD-PHYSICAL ACTIVITY		L547197 FD-MAIN	-3 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



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

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

Galson ID: Client ID:		L547197 FD-MUSI	L547197-1 FD-MUSIC ROOM		L547197-2 FD-PHYSICAL ACTIVITY		-3 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



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

Client	:	Phase Separation Science, Inc	с.	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

Galson ID: Client ID:			L547197 FD-MUSI	-1 C ROOM	L547197 FD-PHYS	-2 ICAL ACTIVITY	L547197 FD-MAIN	-3 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



6601	Kirkville	Road			
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FAX:	(315) 437-	-0571			
www.sgsgalson.com					

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

Galson ID: Client ID:			L547197-1 FD-MUSIC ROOM		L547197-2 FD-PHYSICAL ACTIVITY		L547197-3 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



6601	Kirkville	Roa	ad		
East	Syracuse,	NY	13057		
(315)	432-5227				
FAX:	(315) 437	-057	71		
www.sgsgalson.com					

C	lient	:	Phase Separation Science, Inc.	•	Account No.: 1	.5354
S	ite	:	F.T. DAY SCHOOL		Login No. : L	547197
P	roject No.	:	ACPS IAQ TESTING			
D	ate Sampled	:	17-SEP-21		Date Analyzed	: 30-SEP-21
D	ate Received	:	22-SEP-21		Report ID	: 1267378

Galson ID: Client ID:			L547197 FD-CLAS	-4 S 214	L547197 FD-HALL	-5 230	L547197 FD-225	-6
	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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-0CT-21



30-SEP-21 1267378

6601	Kirkville	Roa	ad	
East	Syracuse,	NY	13057	
(315)	432-5227			
FAX:	(315) 437	-057	71	
www.sqsqalson.com				

Client	:	Phase Separation Science, Inc.		Account No.: 3	153	54
Site	:	F.T. DAY SCHOOL		Login No. 🔅 1	L54	7197
Project No.	:	ACPS IAQ TESTING				
Date Sampled	:	17-SEP-21	:	Date Analyzed	:	30-
Date Received	:	22-SEP-21		Report ID	:	126

Galson ID: Client ID:		L547197 FD-CLAS	L547197-4 FD-CLASS 214		L547197-5 FD-HALL 230		L547197-6 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



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

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

nce, Inc.	Account No.: 1	5354
	Login No. : L	547197
	Date Analyzed	: 30-SEP-21
	Report ID	: 1267378

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Galson ID: Client ID:			L547197 FD-CLAS	-4 S 214	L547197 FD-HALL	-5 230	L547197 FD-225	-6
	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



6601	Kirkvi	lle	Roa	ıd	
East	Syracu	se,	NY	13057	
(315)	432-5	227			
FAX:	(315)	437-	-057	1	
www.sqsqalson.com					

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

ce,	Inc.	Account No.: 1	5354
		Login No. : L	547197
		Date Analyzed	: 30-SEP-21
		Report ID	: 1267378

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Galson ID: Client ID:	Galson ID: Client ID:		L547197 FD-CLAS	L547197-4 FD-CLASS 214		L547197-5 FD-HALL 230		-6
	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



6601	Kirkvi	lle	Roa	ıd
East	Syracu	ıse,	NY	13057
(315)	432-5	5227		
FAX:	(315)	437-	-057	1
www.s	sqsqals	son.c	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

Inc.	Account No.: 19 Login No. : L9	5354 547197
	Date Analyzed	: 30-SEP-21

Report ID : 1267378

Galson ID: Client ID:		L547197 FD-CLAS	L547197-4 FD-CLASS 214		L547197-5 FD-HALL 230		-6	
	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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



	Client	: Phase Separation Science, Inc.	Account No.: 15354
6601 Kirkville Road	Site	: F.T. DAY SCHOOL	Login No. : L547197
East Syracuse, NY 13057	Project No.	: ACPS IAQ TESTING	
(315) 432-5227	Date Sampled	: 17-SEP-21	Date Analyzed : 30-SEP-21
FAX: (315) 437-0571	Date Received	: 22-SEP-21	Report ID : 1267378
www.sgsgalson.com			

TO15 List

Galson ID: Client ID:		L547197-4 FD-CLASS 214		L547197-5 FD-HALL 230		L547197-6 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



6601	Kirkville	Roa	ad		
East	Syracuse,	NY	13057		
(315)	432-5227				
FAX:	(315) 437-	-057	71		
www.sgsgalson.com					

Client	:	Phase Separation Science, In	nc.	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-2	21
Date Received	:	22-SEP-21		Report ID : 1267378	

Galson ID: Client ID:			L547197 FD-HALI	7-7 J C205	L547197 FD-317	-8	L547197 FD-HALL	-9 WAY 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 TO1	5; GC/MS			Super	visor: BLD	

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



6601	Kirkvi	lle	Roa	ad
East	Syracu	ıse,	NY	13057
(315)	432-5	5227		
FAX:	(315)	437-	-057	1
www.sgsgalson.com				

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

Galson ID: Client ID:			L547197 FD-HALL	-7 C205	L547197 FD-317	-8	L547197 FD-HALL	-9 WAY 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



6601	Kirkvi	lle	Roa	ıd
East	Syracu	ıse,	NY	13057
(315)	432-5	227		
FAX:	(315)	437-	-057	1
www.sgsgalson.com				

Client	: Phase Separation Science, Inc.	Account No.: 15354
Site	: F.T. DAY SCHOOL	Login No. : L5471
Project No.	: ACPS IAQ TESTING	
Date Sampled	: 17-SEP-21	Date Analyzed : 3
Date Received	: 22-SEP-21	Report ID : 1

No. : L547197 Analyzed : 30-SEP-21

> ID : 1267378

Galson ID: Client ID:			L547197 FD-HALL	-7 C205	L547197 FD-317	-8	L547197 FD-HALL	-9 WAY 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



6601	Kirkvi	lle	Roa	ad	
East	Syracu	ıse,	NY	13057	
(315)) 432-5	227			
FAX:	(315)	437-	-057	1	
www.s	sqsqals	son.c	com		

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

Galson ID: Client ID:			L547197 FD-HALL	-7 C205	L547197 FD-317	-8	L547197 FD-HALL	-9 WAY 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



: 30-SEP-21 : 1267378

6601	Kirkvi	lle	Roa	ıd	
East	Syracu	lse,	NY	13057	
(315)	432-5	227			
FAX:	(315)	437-	-057	1	
www.sqsqalson.com					

Client	:	Phase Separation Science, Inc.	Account No.: 1	53	54
Site	:	F.T. DAY SCHOOL	Login No. : L	54'	7197
Project No.	:	ACPS IAQ TESTING			
Date Sampled	:	17-SEP-21	Date Analyzed	:	30-
Date Received	:	22-SEP-21	Report ID	:	126

Galson ID: Client ID:			L547197 FD-HALL	-7 C205	L547197 FD-317	-8	L547197 FD-HALL	-9 WAY 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



30-SEP-21

1267378

	Client	: Phase Separation Science, Inc.	Account No.: 15354
6601 Kirkville Road	Site	: F.T. DAY SCHOOL	Login No. : L547197
East Syracuse, NY 13057	Project No.	: ACPS IAQ TESTING	
(315) 432-5227	Date Sampled	: 17-SEP-21	Date Analyzed : 30-
FAX: (315) 437-0571	Date Received	: 22-SEP-21	Report ID : 126
www.sgsgalson.com			

TO15 List

Galson ID: Client ID:			L547197 FD-HALL	-7 C205	L547197 FD-317	-8	L547197 FD-HALL	-9 WAY 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



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

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

Inc.	Account No.: 1	5354
	Login No. : L	547197
	Date Analyzed	: 30-SEP-21
	Report ID	: 1267378

Galson ID: Client ID:			L547197 FD-HALL	-10 WAY 308	L547197- FD-412	-11	L547197- FD-401A	-12
	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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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Client	:	Phase Separation Scien
Site	:	F.T. DAY SCHOOL
Project No.	:	ACPS IAQ TESTING
Date Sampled	:	17-SEP-21
Date Received	:	22-SEP-21

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

Galson ID: Client ID:		L547197 FD-HALL	L547197-10 FD-HALLWAY 308		L547197-11 FD-412		L547197-12 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



	Client	:	Phase Separation Science, Inc
6601 Kirkville Road	Site	:	F.T. DAY SCHOOL
East Syracuse, NY 13057	Project No.	:	ACPS IAQ TESTING
(315) 432-5227	Date Sampled	:	17-SEP-21
FAX: (315) 437-0571	Date Received	:	22-SEP-21
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	:	Phase Separation Science,	Inc.	Account No.: 15	5354
	:	F.T. DAY SCHOOL		Login No. : L	547197
No.	:	ACPS IAQ TESTING			
pled	:	17-SEP-21		Date Analyzed	: 30-SEP-21
eived	:	22-SEP-21		Report ID	: 1267378

TO15 List

Galson ID: Client ID:			L547197 FD-HALL	-10 WAY 308	L547197 FD-412	-11	L547197 FD-401A	-12
	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



	Client	:	Phase Separ
6601 Kirkville Road	Site	:	F.T. DAY SC
East Syracuse, NY 13057	Project No.	:	ACPS IAQ TE
(315) 432-5227	Date Sampled	:	17-SEP-21
FAX: (315) 437-0571	Date Received	:	22-SEP-21
www.sgsgalson.com			

nt	: Phase Separation Science, Inc.	Account No.: 15354
	: F.T. DAY SCHOOL	Login No. : L5471
ect No.	: ACPS IAQ TESTING	
Sampled	: 17-SEP-21	Date Analyzed : 3
Received	: 22-SEP-21	Report ID : 1

•••	1100004110 1101	20001
	Login No. : I	547197
	Date Analyzed	: 30-SEP-21

ort ID : 1267378

TO15 List

Galson ID: Client ID:			L547197 FD-HALL	-10 WAY 308	L547197 FD-412	-11	L547197 FD-401A	-12
	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



	Client	•	Phase Sepa
6601 Kirkville Road	Site	:	F.T. DAY S
East Syracuse, NY 13057	Project No.	:	ACPS IAQ 7
(315) 432-5227	Date Sampled	:	17-SEP-21
FAX: (315) 437-0571	Date Received	:	22-SEP-21
www.sgsgalson.com			

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: Client ID:			L547197 FD-HALL	-10 WAY 308	L547197 FD-412	-11	L547197 FD-401A	-12
	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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



	Client	: Phase Separation Science, Inc.	Account No.: 15354
6601 Kirkville Road	Site	: F.T. DAY SCHOOL	Login No. : L547197
East Syracuse, NY 13057	Project No.	: ACPS IAQ TESTING	
(315) 432-5227	Date Sampled	: 17-SEP-21	Date Analyzed : 30-SEP-21
FAX: (315) 437-0571	Date Received	: 22-SEP-21	Report ID : 1267378
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TO15 List

Galson ID: Client ID:			L547197 FD-HALL	-10 WAY 308	L547197 FD-412	-11	L547197 FD-401A	-12
	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



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

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

Galson ID: Client ID:			L547197- FD-MEDIA	13 CENTER	L547197- FD-420 R	14 OOM	L547197- FD-OUTDC	OR
	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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



6601	Kirkville	e Roa	ad	
East	Syracuse	, NY	13057	
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FAX:	(315) 437	7-057	71	
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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

Galson ID: Client ID:			L547197 FD-MEDI	-13 A CENTER	L547197 FD-420	-14 ROOM	L547197 FD-OUTD	-15 OOR
	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



6601	Kirkvi	lle	Roa	ad	
East	Syracu	ıse,	NY	13057	
(315)	432-5	5227			
FAX:	(315)	437-	-057	1	
www.sqsqalson.com					

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

Galson ID: Client ID:			L547197 FD-MEDI	-13 A CENTER	L547197 FD-420	-14 ROOM	L547197 FD-OUTD	-15 OOR
	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



	Client	:	Pł
6601 Kirkville Road	Site	:	F
East Syracuse, NY 13057	Project No.	:	A
(315) 432-5227	Date Sampled	:	17
FAX: (315) 437-0571	Date Received	:	22
www.sgsgalson.com			

2	:	Phase Separation
	:	F.T. DAY SCHOOL
ct No.	:	ACPS IAQ TESTING
Sampled	:	17-SEP-21
Received	:	22-SEP-21

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

Galson ID: Client ID:	L5471 FD-ME		L547197 FD-MEDI	47197-13 L -MEDIA CENTER F		L547197-14 FD-420 ROOM		L547197-15 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



	01101
6601 Kirkville Road	Site
East Syracuse, NY 13057	Proje
(315) 432-5227	Date
FAX: (315) 437-0571	Date
www.sgsgalson.com	

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

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

Galson ID: Client ID:	L547197-13 FD-MEDIA CENTR		-13 A CENTER	L547197-14 'ER FD-420 ROOM		L547197-15 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21



	Client	: Phase Separation Science, Inc. Ac	ccount No.: 15354
6601 Kirkville Road	Site	: F.T. DAY SCHOOL LC	ogin No. : L547197
East Syracuse, NY 13057	Project No.	: ACPS IAQ TESTING	
(315) 432-5227	Date Sampled	: 17-SEP-21 Da	ate Analyzed : 30-SEP-21
FAX: (315) 437-0571	Date Received	: 22-SEP-21 Re	eport ID : 1267378
www.sgsgalson.com			

TO15 List

Galson ID: Client ID:			L547197-13 FD-MEDIA CENTER		L547197-14 FD-420 ROOM		L547197-15 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	Supervisor: BLD
Collection Media : Mini Can	Approved by : JMR
Submitted by : BLD	Date : 04-OCT-21


Site : F.T. DAY SCHOOL Project No. : ACPS IAQ TESTING 6601 Kirkville Road Date Sampled : 17-SEP-21 Account No.: 15354 East Syracuse, NY 13057 (315) 432-5227 Date Received: 22-SEP-21 Login No. : L547197 FAX: (315) 437-0571 Date Analyzed: 30-SEP-21 www.sgsgalson.com

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)

Client Name : Phase Separation Science, Inc.

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%



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

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%



	Client Name : Phase Separation Site : F.T. DAY SCHOOL Project No. : ACPS TAO TESTING	Science, Inc.
6601 Kirkville Road		
East Syracuse, NY 13057	Date Sampled : 17-SEP-21	Account No.: 15354
(315) 432-5227	Date Received: 22-SEP-21	Login No. : L547197
FAX: (315) 437-0571	Date Analyzed: 30-SEP-21	
www.sgsgalson.com		

Vinyl Bromide Vinyl Chloride 97.7% 97.7%

+/-13.8%

+/-15.6%

Page 36 of 39 Report Reference:2 Generated:04-OCT-21 09:26

13E40164686427 :09/22/21 per:UPS ials:MAK :UNKNOWN	LS New Client?	Report To* : Pha 663 No.*:	ise Separation Sc 0 Baltimore Natio imore, MD 21228	2109 2017 ience nal Pike	L Invoice T	•* : <u>Phase S</u>	eparation (Science	
212540165872220								gag	care
e:09/22/21		Phone No.* : 410	-747-8770		Phone N	lo.: <u>410-747-87</u>	770		
pper:UPS tials:MAK y		Cell No. :			Em	all : invoicing@	phaseonline.	com	
	E	mail Results to <u>Am</u> Email address <u>: rep</u> e	ber Confer orting@phaseonlir	ne.com	Credit Ca	rd : 🗌 Card on Fi	le Call fo	r Credit Card I	nfo.
p:UNKNOWN	1	Z s	Samples submitted usin	g the FreePumpLoan™	Program Samples	submitted using th	e FreeSamplingB	ladges™ Progra	am
Need Results by: (Surcharge)		av Sahaal	Pro	lect City of Alexa	Idria G11 Sam	pled by: Client			
Standard 0%	Site Name : F.I. Da	ay School		ALOC IA	$\frac{a_{\mu}}{2}$			<u>_</u>	
4 Business Days 35%	Comments :			1101 - 11	in restrig				
Business Days 50%					• •••	<u> </u>			<u></u>
Next Day by 6pm 100%	List description of ind	lustry or Process/interfe	rences present in samp	ling area :	State samples were	Please indicate w	hich OEL this dat	ta will be used	for:
Next Day by Noon 150%									JSHA
Same Day 200%				<u> </u>	VA			YI. Hexavale	ent Chromium
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 Requ	ested*	Method Referen	nce^ Process (plating, r	e.g., welding painting, etc.)*
ED- 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)		
ED- Main Office	09/17/21	Canister	1L	ug/m^3	voc		TO-15 (list)		
ED. Class 214	09/17/21	Canister	1L	ug/m^3	voc		TO-15 (list)		
	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	00/17/21	Canister	1L	ug/m^3	voc		TO-15 (list)		
FD Hallway 319	09/17/21	Canister	11	ug/m^3	VOC		TO-15 (list)		
FD- Hallway 308	00/17/21	Canister	11	ug/m^3	voc		TO-15 (list)		
FD- 412	09/17/21		the method listed on t	he COC unless this box i	is checked: 🔽 Use method	s) listed on COC	<u> </u>		
AGalson Laboratories will subsititute of	ur routine/preferred met	thod if it does not match	ligate if the lower I OO i	s required (only availab	le for certain analytes - see S	AG):			
For metals analysis: if requesting an an	alyte with the option of	a lower LOU, please mo	nd/or Tridymite)* :		· · · · · · · · · · · · · · · · · · ·	·····			
For crystalline silica: form(s) of silica ne	eded must be indicated		Date Time		Print Nan	ne/Signature		Date	Time
Chain of Custody	TINT Name/Signature	A12	1/21	Received by :	WIT BEAUSE M	-Holle Kno	une 91	22/2f	~
Relinquished by:	<i>. w</i> g <i>n</i>		4-1-1	Received by :	to an it was a function of	<u> </u>			1607
Relinquished by : 0000000000000000000000000000000000	*	Sample Reftaged fieldsf f39u	s received after 3pm re Report Referen	Received by : will be considered a field Benefalted a	s next day's business Deletorin vour Gomotes be	ing processed.		Page]	

21092012

	SGS	GALSON	Client Account N	Report To* : Pr 60 Io.*:	hase Separ 530 Baltimo altimore, Mi	ation Sci re Natior D 21228	ence nal Pike	Invoice To	•* : <u>Phase Se</u>	eparation Sci	ence				
6601 Kirkville Rd Phone No.* : 410-747-8770 East Syracuse, NY 13057 Cell No. : Tel: (315) 432-5227 Cell No. : 888-432-LABS (5227) Email Results to : <u>Amber Confer</u> www.sgsgalson.com Email address: reporting@phaseonline.com ✓ Samples submitted using the FreePumpLop							e.com	Phone No.: <u>410-747-8770</u> Email : <u>invoicing@phaseonline.com</u> P.O. No. : Credit Card : Card on File Call for Credit Card Info.							
	Veed Results By:	(surcharge)		V	j Samples subl	initied damy					-				
Standard 0% Site Name: F.T. Day School Project: City of Alexandria Sampled by: Cilent															
4 Business Days 35% Comments: ACAPS 1AQ + 12h rg															
	3 Business Da	ys 50%													
	2 Business Da	iys 75%			forences press	nt in sampli	ng area :	State samples were	Please indicate w	hich OEL this data wi	Il be used for	·:			
	Next Day by 6pm 100% List description of industry or Process/interferences present in sampling area : collected in (e.g., NY) OSHA PE								OSHA PEL	ACGIH TLV	Cal OS	HA			
<u> </u>	Next Day by No	on 150%						MSHA	Other (specify):	•					
	Same D Sample Ide	ay 200%	Date Sampled	Collection Mediur	m Sample Sample Sample	Volume e Time e Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requ	ested*	Method Reference^	Hexavalent Chro ce^ Process (e.g., we plating, painting				
			09/17/21	Canister	1L		ug/m^3	voc		TO-15 (list)					
FD-	401a	00/17/21 Capister 1L ug/m^3 VOC						TO-15 (list)							
FD	Media Cente	er	00/17/21	Canister	11.		ug/m^3	voc		TO-15 (list)					
FD	- 420 Room		09/17/21	Conistor	11		ua/m^3	voc		TO-15 (list)					
FD	- Outdoor		09/17/21	Carlister			ug/m^3	voc		TO-15 (list)	TO-15 (list)				
		- 	09/17/21	Canister				voc		TO-15 (list)					
			09/17/21	Canister						TO-15 (list)					
[.			09/17/21	Canister	1L		ug/m^3			TO-15 (list)					
			09/17/21	Canister			ug/m^3	VOC		TO-15 (list)					
			09/17/21	Canister	1L		ug/m^3			TO 15 (list)					
			09/17/21	Canister	1L		ug/m^3								
			09/17/21	Canister	1L		ug/m^3			10-15 (list)	<u> </u>				
	alson Laboratori	es will subsititute ou	r routine/preferred me	thod if it does not ma	tch the method	listed on th	e COC unless this box	is checked: 🖌 Use method(s) listed on COC			····,·			
F0	r metals analysis	if requesting an ana	lyte with the option of	a lower LOQ, please i	indicate if the lo	ower LOQ is	required (only availab	le for certain analytes - see SA	\G): '			· · · · ·			
Fo	r crystalline silica	: form(s) of silica ne	eded must be indicated	Quartz, Cristobalite,	, and/or Tridym	nite)* :					ate	Time			
Ch	ain of Custody	P	rint Name/Signature		Date	Time	Densities of here	Print Name/Signature							
Re	linquished by :	ater	2 lofen	9	111		Received by:		DOD V.	9/22	121	1007			
Re	linquished by :			Samp	ples received	after 3pm	will be considered a	s next day's business	to processed)	Page 2 c	of <u>2</u>			
1			*	Re Fuiged Belds f (3)	Brie Booder	Referen	ees cenerated.	04-0CT-21 09:26	ing processed.	· · · · · · · · · · · · · · · · · · ·					



Chain of Custody Form for Subcontracted Analyses

(gray cart) Page 1 of 1

Phase Separation Sci	ence, Inc		W.C). No. :	210
6630 Baltimore Natio Baltimore, MD 2122 Phone: (410) 747-87	onal Pike 8 70		Proj Proj	ect Location ect Number	: <u>F.T.</u> : 492
Fax: (410) 788-8723			Rep	ort To LOD	: No
For Questions or	issues please contact:	Amber Confer		Report I)ue (
Lab	Field	Date	Time	Matrix	

lo. :	21092012	
1	F.T. Day School	

0002

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
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

Data Deliverables Required: Send Report Attn : reporting@p Airbill No.: Carr	<u>COA</u> haseonline.com tier :UPS	Perform Q.C. on Sample : Send InvoiceAttn : invoicing@	phaseonline.com
Condition Upon Receipt :			
Comments :	2 boxes		
Samples Relinquished By : Der W	Date : 9 21 21 Time:	Samples Received By :	
Samples Relinquished By:	Date : Time :	Samples Received By:	al l
Samples Relinquished By:	Date: Page 39 of 39 Report	Reference: 2 Generation 4-06 Ta26 69: 2 Lichelle- Krause Samples Received By:	9/22/21 1007

PHASE	
SEPARATION	
SCIENCE	

Project Name:ACPS IAQ TestingPSS 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

www.phaseonline.com

PHASE SEPARATION SCIENCE, INC.

email: info@phaseonline.com

1) *CLIENT	*CLIENT: Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton						PSS Work Order #:				PAGE 1 OF 2				
	*PROJE	_{ст мgr:} Karl Ford					2	-10920	12							
	EMAIL:	kford@teci.pro		*PHONE NO: (703) 567-4	1346										
	ACPS IAQ testing PROJECT NO. 4920002					2	* 3	*	* *	*	ab	* de	lir ∗			
ł	F T Day School							Ū.	essur) Staı	essur) Stol	aniste Hg) L	sladu	ient /	List		
	SITE LO	CATION:		P.O. NO.:			*	e Re	ter Pri I ("Hg	ter Pr I ("Hg	ing C ure ("I	as / S	'/Amb	Full	al List	
	SAMPLE	R(S):	*DATE	*Time Start	*DATE	*Time Stop	an IC	Sampl	Canist	Canist n field	ncom ressi	soil G	loopu	0-15	specia	REMARKS
Ĭ	LAB #	*SAMPLE IDENTIFICATION	START	(24hr clock)	STOP	(24hr clock)	306	10136	 27	0.=					с П	
			9/17/21	15.54	0/17/01	10.54	MAGG	2 10150	20	0						
	4	P Main offrua	9/17/21	15:51	9/17/21	19.04	VVA00.	3 VVR520	30	3		⊢				
	3	FT - Welcome Centeral	29/17/21	15:49	9/1//21	19:22	1405	4332	29	2		⊢⊣	H		⊢	
	Mà	FT - Class 214	9/17/21	15:43	9/17/21	19:48	1367	11479	30+	16		Щ			Щ	
	57	F7 - Stair 230	9/17/21	15:46	9/17/21	19:46	11479	11466	27	0				~		
	65)	FT - Class 225	9/17/21	15:47	9/17/21	19:50	WA05	7 4342	16	16				~		
	77	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	9/17/21	15:41	9/17/21	19:35	310	6390	30+	2				~		
	10	F 7 - Halway 302c	9/17/21	15:36	9/17/21	19:40	WA78	9 6070	29	3				~		
5	Relinqu	ished By: (1)	Date	Time 500	Received By:	AID		4 *Reque	sted TA	「(One TA 3-Day	AT per CC	DC) 2-Da	v	Ship	ping C	Carrier:
	Chan	ning Jackson	9/20/21	13:00an	and	trub	2	Next I	Day	Emerg	jency	Othe	er		1	
	Relinqu	ished By: (2)	Date	Time 🐂	Received By:			Data Deliverab	les Requ	ired:						
	Relinqu	ished By: (3)	Date	Time	Received By:			Special Instruc	tions:							
	Relinqu	ished By: (4)	Date	Time	Received By:											
	1															

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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



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

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PHASE SEPARATION SCIENCE, INC.

email: info@phaseonline.com

*CLIENT: Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton					PSS Work Order #:				PAGE 2		_ OF	2			
	*PROJECT MGR: Karl Ford					2	21092012								
	EMAIL: kford@teci.pro		*PHONE NO: (703) 567-4	4346										
	*PROJECT NAME: ACPS IAQ te	sting	PROJECT N	_{o.:} 4920002	2	* 3	*	re *	* e d	ter _ab	ab *	Air *			
	F.T. Day School						eg. ID	ressu Ig) Sta	ressu Ig) Stc	Canist ("Hg) I	Subs	bient	I List	st	
SAMPLER(S):					*	nple R	nister F eld ("H	nister F eld ("H	oming	Gas /	oor/Arr	-15 Ful	icial Li		
2	LAB # *SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	Car	San	Car in fi	Car in fi	Pre	Soil	Inde	- 10	Spe	REMARKS
	1 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				~		
	5 FT - Media Center	9/17/21	15:28	9/17/21	19:26	WA939	6818	30+	7				~		
	FT - Class 420 Po	9/17/21	15:30	9/17/21	19:27	1503	366	20	7				~		
	IS FT - Outdoor	9/17/21	15:57	9/17/21	20:01	1388	04592	29	3				~		
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	Relinguished By: (2)	9/20/21 Date	Time an	Received By:	100	0 1	Next D	Day	Emerg	ency	Othe	r			client
	· · · · · · · · · · · · · · · · · · ·		9 10				lata Deliveradi	es Requi	red:						
	Relinquished By: (3)	Date	Time	Received By:		s	pecial Instruc	tions:							
	Relinquished By: (4)	Date	Time	Received By:											

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Sample Receipt Checklist

SCIENCE

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

Client Name	Total Environmental Concepts -	Lort	Rec	eived By	Amber	Conf	er	
Disposal Date	10/25/2021		Dat	e Received	09/20/2	021	03:00:00	PM
			Deli	ivered By	Client			
			Tra	cking No	Not Appl	licabl	е	
				aed In By	Amber	Conf	er	
Shipping Conta	iner(s)		LUg	gea in By	7 111001	00111	01	
No. of Coolers	0							
				Ice		N//	д	
Custody Seal(s	s) Intact?	N/A		Temp (deg (C)			
Seal(s) Signed	I / Dated?	N/A		Temp Blank	Present	No)	
Documentation				Sampler Na	me I	Not F	Provided	
COC agrees w	ith sample labels?	Yes		-	Ī	N/A		
Chain of Custo	bdy	Yes			-			
Sample Contair	ner			Custody Sea	al(s) Intad	ct?	Not Appli	icable
Appropriate for	r Specified Analysis?	Yes		Seal(s) Sign	od / Date	bd	Not Appli	icable
Intact?		Yes		Ocal(3) Olyn		Ju		icable
Labeled and La	abels Legible?	Yes						
Holding Time				Total No. of	Samples	Red	ceived	15
All Samples Re	eceived Within Holding Time(s)?	Yes		Total No. of	Containe	ers R	eceived	15
Preservation					oomane		loconou	10
Total Metals				(p⊦	1 <2)		N/A	
Dissolved Meta	als, filtered within 15 minutes of co	ollectio	n	(pH	1<2)		N/A	
Orthophospho	rus, filtered within 15 minutes of c	ollectio	on				N/A	
Cyanides				(p⊦	1 >12)		N/A	
Sulfide				(p⊦	1 >9)		N/A	
TOC, DOC (fie	eld filtered), COD, Phenols			(p⊦	l<2)		N/A	
TOX, TKN, NH	l3, Total Phos			(p⊦	l<2)		N/A	
VOC, BTEX (V	OA Vials Rcvd Preserved)			(p⊦	l<2)		N/A	
Do VOA vials h	nave zero headspace?						N/A	
624 VOC (Rcv	d at least one unpreserved VOA	vial)					N/A	
524 VOC (Rcv	d with trip blanks)			(pH	1<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

Date: 10/04/2021

PM Review and Approval: <u>Amber Confer</u>

Page 46 of 46

Version 1.001



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

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PHASE SEPARATION SCIENCE, INC.

email: info@phaseonline.com

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	EMAIL: *PROJE SITE LC	<u>CT NAME:</u> <u>CATION:</u> ER(S):		*PHONE NO: (PROJECT NC P.O. NO.:) 		* (3)	ple Reg. ID *	ister Pressure * eld ("Hg) Start	ister Pressure * eld ("Hg) Stop	ming Canister ssure ("Hg) Lab	Gas / Subslab *	oor/Ambient Air *	15 Full List	cial List	
2	LAB #	*SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	Can	San	Can in fi	Can in fi	Incc Pre:	Soil	Inde	TO-	Spe	REMARKS
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	Relinqu	ished By: (2)	Date	Time	Received By:		C	ata Deliverabl	es Requi	ired:			<u>.</u>			
	Relinqu	ished By: (3)	Date	Time	Received By:		ະ	pecial Instruct	tions:							
	Relinqu	ished By: (4)	Date	Time	Received By:											

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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

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email: info@phaseonline.com

) <u>*CLIEN</u> *PROJE	-:	*0FF	ICE LOC.:			PSS Work	Order #:			PAGE _		OF			
	EMAIL: *PROJE SITE LC	<u>CT NAME:</u> <u>CATION:</u> ER(S):		*PHONE NO: (PROJECT NC P.O. NO.:) 		* (3)	ple Reg. ID *	ister Pressure * eld ("Hg) Start	ister Pressure * eld ("Hg) Stop	ming Canister ssure ("Hg) Lab	Gas / Subslab *	oor/Ambient Air *	15 Full List	cial List	
2	LAB #	*SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	Can	San	Can in fi	Can in fi	Incc Pre:	Soil	Inde	TO-	Spe	REMARKS
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	Relinqu	ished By: (2)	Date	Time	Received By:		C	ata Deliverabl	es Requi	ired:			<u>.</u>			
	Relinqu	ished By: (3)	Date	Time	Received By:		ະ	pecial Instruct	tions:							
	Relinqu	ished By: (4)	Date	Time	Received By:											

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Appendix D: Formaldehyde Analytical Results



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**.

Certificate of Analysis

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





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.



Explanation of Qualifiers

SCIENCE

Project Name: ACPS IAQ Testing

PSS Project No.: 21092014

Standard Flags/Abbreviations:

- В A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- С Results Pending Final Confirmation.
- Е The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1. Fail
- 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.
- PSS Reporting Limit. RL
- 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



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-Luab

Lisa Swab Laboratory Director

Enclosure(s)



ANALYTICAL REPORT

Terms and Conditions & General Disclaimers

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- 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	Lab ID: 1042	Mold Analysis Laboratory license
	Regulation		

Legend

< - Less than > - Greater than	mg - Milligrams ug - Micrograms	MDL - Method Detection Limit NA - Not Applicable	ppb - Parts per Billion 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

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Version 1.000
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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

		Time	Total	Conc	
<u>Sample ID</u>	<u>Lab ID</u>	minutes	ug	mg/m3	mqq
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	n: 0.4 ug	Submitted by: JLL	Approved by: MLN
Analytical Method	: mod. OSHA 1007; HPLC/UV	Date : 27-SEP-21	
Collection Media	: Assay 581	Supervisor : MWJ	

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Version 1.000
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	Client Name : Phase Separation Science, Inc.	
	Site : FT DAY SCHOOL	
	Project No. : ACPS IAQ TESTING - 4920002	
6601 Kirkville Road		
East Syracuse, NY 13057	Date Sampled : 16-SEP-21 Account No.: 15354	
(315) 432-5227	Date Received: 22-SEP-21 Login No. : L547199	
FAX: (315) 437-0571	Date Analyzed: 23-SEP-21	
www.sgsgalson.com		

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%

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Version 1.000
```

SGS GAI 2313E40164686427 te:09/22/21	LSON	New Client?	Report To* : Pha 663 No.*: Bai	Report To* : Phase Separation Science 6630 Baltimore National Pike Baltimore, MD 21228				•* : <u>Phase S</u> 	eparation Sci			
nipper:UPS nitials:MAK 	E	Phone No.* : <u>410</u> Cell No. : mail Results to : <u>Am</u> Email address <u>: rep</u>)-747-8770 ber Confer orting@phas	eonline	e.com	Phone N Ema P.O. N Credit Car	Phone No.: <u>410-747-8770</u> Email : <u>invoicing@phaseonline.com</u> P.O. No. : <u>ODC 4920002-001</u> Credit Card : Card on File Call for Credit Card Info.					
Need Results By: (su	ircharge)			Samples submitt	ed using	the FreePumpLoan™i	Program Samples s	ubmitted using th	e FreeSamplingBadg	es™ Program		
3 Standard	0% 5	Site Name : FT Day	y School		Proje	ect : ACPS IAQ te	sting - 4920002 Sam	oled by : Karl F	ord	2		
4 Business Days 3 Business Days 2 Business Days	35% (50% 75%	comments : Dosimeter cartri	ige # noted in the	e (Hexavelen	it Chro	omium Process) c	colum	э. -				
Next Day by 6pm Next Day by Noon Same Day	100% L 150% 200%	ist description of indu- Public grade s	description of industry or Process/interferences present in sampling area : State samples were collected in (e.g., NY) Please indicate which OEL this data will be used for : ublic grade school building VA MSHA Other (specify):									
Sample Identification (Maxmium of 20 Character	n* ers)	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.)*		
T - Multi-Purpose		09/16/21	Assay N581 Aldehyde Badge	241		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4715		
T - Music Room		09/16/21	Assay N581 Aldehyde Badge	239		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4824		
T - Physical Activity		09/16/21	Assay N581 Aldehyde Badge	237		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4867		
T - Welcome Center		09/16/21	Assay N581 Aldehyde Badge	240		Min	Formaldehyde		mod. OSHA 1007: TPLC/U	PD4014		
T - Class 214		09/16/21	Assay N581 Aldehyde Badge	229		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD5042		
T - Stair 230		09/16/21	Assay N581 Aldehyde Badge	229		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD5489		
T - Class 225		09/16/21	Assay N581 Aldehyde Badge	224		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD5570		
T - C205C		09/16/21	Assay N581 Aldehyde Badge	227		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD5599		
T - Class 317		09/16/21	Assay N581 Aldehyde Badge	241		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4668		
T - Hall 305c		09/16/21	Assay N581 Aldehyde Badge	239		Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4602		
the first of the state of the second state of the second state of the second state of the second state of the	1. A. A.	09/16/21	Assay N581 Aldehyde Badge	240		Min	Formaldehyde		mod. OSHA 1007: TPLC/U	PD4607		
T - Hall 302c	antitic antibios contactors	outine/preferred meth	nod if it does not match	the method liste	ed on the LOQ is	e COC unless this box is required (only availabl	s checked: 🔽 Use method(e for certain analytes - see SA	s) listed on COC AG):				
T - Hall 302c ^Galson Laboratories will sub: For metals analysis: if request For crystalline silica: form(s) o	sititute our r ting an analyt of silica neede	te with the option of a ad must be indicated	lower LOQ, please ind (Quartz, Cristobalite, an	nd/or Tridymite)*	•••							
T - Hall 302c ^Galson Laboratories will sub: For metals analysis: if request For crystalline silica: form(s) o chain of Custody	sititute our r ting an analyt of silica neede Prin	te with the option of a ad must be indicated t Name/Signature	a lower LOQ, please ind (Quartz, Cristobalite, au	nd/or Tridymite)* Date	Time		Print Nan	ne/Signature	D	ate Time		

					in K (V = 1937) - e al local installation approximation	2109	2014				
(SGS	GALSON	Client Account I	Report To* : Pha 663 No.*: Bat	ase Separation S 0 Baltimore Nat timore, MD 2122	Science ional Pike 28	Invoice T	•*: <u>Phase Se</u>	eparation Scie	nce	
	6601 Ki East Sy Tel: (31 888	kville Rd acuse, NY 13057 5) 432-5227 -432-LABS (5227) sgalson.com	E	Phone No.* <u>410</u> Cell No. : mail Results to <u>Am</u> Email address <u>: rep</u>	-747-8770 ber Confer orting@phaseon	line.com sing the FreePumpLoan™	Phone N Em P.O. N Credit Ca Program Samples	No.: <u>410-747-87</u> ail : <u>invoicing@r</u> lo. : <u>ODC 49200</u> rd : Card on File submitted using the	70 ohaseonline.com)02-001 e Call for Cred p FreeSamplingBadges	lit Card Info. ™ Program	
_	Need Results By:	(surcharge)	FT D	0.1			ating 1020002	L L Karl Fa	and		
	Stand	ard 0%	Site Name : FT Da	y School	F	roject: ACPS IAQ te	esting - 4920002 Sam	pled by: Karl FC	ord		
	4 Business Da 3 Business Da	iys 35% iys 50%	Comments : Dosimeter cartr	ige # noted in the	(Hexavelent Cl	nromium Process)	colum				
	2 Business D	ıγs 75%		3	•				and the state of the second state of the secon		
	Next Day by 6	n 100%	List description of ind	ustry or Process/interfer	ences present in sam	pling area :	State samples were Please indicate which OEL this data will be used for :				
	Next Day by No	on 150%	Public grade s	chool building							
	Same D	ay 200%	5		Sample Volume					Hexavalent Chromium	
Sample Identification* Date Sampled Collection (Maxmium of 20 Characters)					Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requ	ested*	Method Reference^	Process (e.g., welding plating, painting, etc.)*	
FT ·	- Class 412		09/16/21	Assay N581 Aldehyde Badge	243	Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4471	
FT	- 401a		09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde		mod. OSHA 1007: TPLC/UV	PD4762	
FT	- Media Cent	er	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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										and a star a second star and the second star and the second star and the second star and the second star and th	
^G	alson Laboratorie	s will subsititute our	routine/preferred met	hod if it does not match	the method listed on	the COC unless this box i	is checked: 🔽 Use method	s) listed on COC			
For	metals analysis:	if requesting an analy	yte with the option of	a lower LOQ, please indi	icate if the lower LOC	l is required (only availab	le for certain analytes - see S	AG):		n material second second	
For	crystalline silica	form(s) of silica need	ded must be indicated	(Quartz, Cristobalite, ar	nd/or Tridymite)* :						
Cha	in of Custody	Pri	nt Name/Signature		Date Time		Print Nan	ne/Signature	Da Glack		
Reli	nquished by :	Channing Jacks	on	09/	1//21 14:0	21 14:00 Received by: Court Cop.			640	9-7/71 1907	
Reli	nquished by :	herry	6562	191		neceived by :	PLICHELLE Kravs	e Michelle	Brause	19 1001	
			* F	Samples Required fields, failure	to complete thes	e fields may result in a	delay in your samples be	ing processed.) F	age 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

W.O. No. :	2109201
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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	Field	Date	Time	Matrix	Analyses Required	Method	Type of	Preservative
Sample ID	Sample ID	Sampled	Sampled				Container	
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

.

For Questions or issues please contact: Amber Confer

Send Report	Attn :	reporting@phaseonline.com

Perform Q.C. on Sample :

Send InvoiceAttn : invoicing@phaseonline.com

Airbill No.: Car	rier : UPS					
Condition Upon Receipt :						
Comments :						
Samples Relinquished By : autor	7 Date : 9 21 21	Time:	Samples Received By :	· · · · · · · · · · · · · · · ·		
Samples Relinquished By:	Date :	Time :	Samples Received By:	«	1	
Samples Relinquished By:	_ Date: Page 7 of	7 _{Time} Report Re	ference:1 Generated 27 SEP-21 40: Samples Received By:	38 Michelle Krause	9(22/2)	1007
		Р	age 10 of 14 Ver	sion 1.000	V	

PHASE
SEPARATION
SCIENCE
GCIENCE

Project Name:ACPS IAQ TestingPSS 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

	CUC C	041001	New Client? Report			* : Phase Separation Science					∘*∶ <u>Phase S</u>	eparati	on Scie	ence	
	000	GALOU	N		66. Ba	30 Balt	MD 21228								
			Client Account	No.*:				, 							
	6601 K	irkville Rd		-						_					
	East Sy	racuse, NY 13057		Phone N	o.* : <u>41(</u>)-747-8	770	and sources and the second second		Phone No.: <u>410-747-8770</u>					
	88	8-432-LABS (5227)		Cell I	No. :		-			Email : <u>invoicing@phaseonline.com</u>					
	www.s	gsgalson.com	i i	mail Results	ts to : Amber Confer					P.O. N	o.: <u>ODC 4920</u>	002-001			
				Email addi	ress: rep	orting(vpnaseonlir	ie.com		Credit Cal	rd : Card on Fi	le	Call for Cred	lit Card In	fo.
Need Results By: (surcharge)						Samples submitted using the FreePumpLoan [™] Program Samples submitted using the FreeSamplingBadges [™] Program								s™ Progra	m
	Stand	ard 0%	Site Name : FT Da	y School		louise an an and in a	Pro	ject : ACPS IAQ te	sting - 4920	002 Sam	oled by: Karl F	ord	the suffrage of the same		
	4 Business D	ays 35%	Comments :	imments :											
	3 Business D	ays 50%	Dosimeter cartr	ige # note	d in the	e (Hexa	velent Chro	omium Process) o	colum						
	2 Business D	aγs 75%	_												
	Next Day by 6	om 100%	List description of ind	ustry or Proce	ss/interfe	rences pr	esent in sampl	ing area :	State samples collected in (e	were .a., NY)	Please indicate w	hich OEL t	his data will	be used	for :
	Next Day by N	oon 150%	Public grade s	school bui	ding				VΔ				specify):		JONA
	Same L	200%				Sam	nle Volume					T		Hevevelent Chromium	
Sample Identification* Date Sampled (Maxmium of 20 Characters)			Collection I	Medium	Sar	nple Time nple Area*	Sample Units*: L, ml,min,in2,cm2,ft2	2 Analysis Requested*			Method F	Reference^	Process (e plating, p	.g., welding ainting, etc.)*	
FT - Multi-Purpose 09/16/21 Assay N581 A				Assay N581 Aldel	nyde Badge	241		Min	Formaldehyc	le		mod. OSHA	1007: TPLC/UV	PD471	5
FT	- Music Roor	n	09/16/21	Assay N581 Aldel	nyde Badge	adge 239 Min Formaldehyde				mod. OSHA	1007: TPLC/UV	PD482	4		
FT	- Physical Ad	tivity	09/16/21	Assay N581 Aldel	hyde Badge	237		Min	Formaldehyd	e		mod. OSHA	1007: TPLC/UV	PD486	7
FT	- Welcome C	enter	09/16/21	Assay N581 Aldel	nyde Badge	240		Min	Formaldehyde mod.			mod. OSHA	1007: TPLC/UV	PD401	4
FT	- Class 214		09/16/21	Assay N581 Aldel	nyde Badge	229		Min	Formaldehyd	e		mod. OSHA 1007: TPLC/UV PD50		PD504	2
FT	- Stair 230		09/16/21	Assay N581 Aldel	nyde Badge	229		Min	Formaldehyd	e		mod. OSHA 1	007: TPLC/UV	PD548	9
FT	- Class 225		09/16/21	Assay N581 Alder	nyde Badge	224		Min	Formaldehyd	e		mod. OSHA 1	007: TPLC/UV	PD557	0
FT	- C205C		09/16/21	Assay N581 Aldel	nyde Badge	227		Min	Formaldehyd	e		mod. OSHA 1	007: TPLC/UV	PD559	9
FT ·	- Class 317		09/16/21	Assay N581 Alder	iyde Badge	241		Min	Formaldehyd	e		mod. OSHA 1	007: TPLC/UV	PD466	8
FT ·	- Hall 305c		09/16/21	Assay N581 Alder	nyde Badge	239		Min	Formaldehyd	e		mod. OSHA 1	007: TPLC/UV	PD460	2
FT ·	- Hall 302c		09/16/21	Assay N581 Alder	iyde Badge	240		Min	Formaldehyd	e		mod. OSHA 1	007: TPLC/UV	PD460	7
^Ga	Ilson Laboratorie	s will subsititute our	routine/preferred meth	od if it does n	ot match	the meth	od listed on the	COC unless this box is	checked: 🖌	Use method(s) listed on COC		the second with an		
For	metals analysis:	if requesting an analy	yte with the option of a	lower LOQ, pl	ease indi	cate if the	e lower LOQ is	required (only available	e for certain and	alytes - see SA	G):			B. M. H. H. H. H. H.	
For	crystalline silica:	form(s) of silica need	ded must be indicated (Quartz, Cristol	balite, an	d/or Trid	ymite)* :							-	
Cha	in of Custody	Pri	nt Name/Signature		0	Date	Time	ļ		Print Name/Signature Date			e	Time	
Reli	nquished by :	Channing Jacks	on		09/	17/21	14:00	Received by :	ale	764	n		9/20/	N	1500
Reli	nquished by :	alert	ug		92	12		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														

Version 1.000

21092014

	SGS	GΔI	SUV	New Client? Report To* : Phase Separation Science 6630 Baltimore National Pike							Invoice T	[™] :Phase S	Separation Sci	ence			
			-001	Client Account	No.*:	Ba	Itimore,	MD 2122	8								
	6601 Fast S	Kirkville Rd	V 12057		Phone N		0 747 07	70									
	Tel: (3	315) 432-52	27		Cell	No ·	<u>J-141-01</u>	70			Phone No.: <u>410-747-8770</u>						
	8	88-432-LAB	BS (5227)		Email Result	s to ' A	to : Ambor Confor					Email: <u>invoicing@phaseonline.com</u>					
	www.:	sgsgalson.o	com		Email add	ress' ror	Amber Confer					0.: <u>ODC 4920</u>	002-001				
					Eman ada	Coo <u>ster</u>	oning@	phaseonin	le.com		Credit Ca	rd : Card on F	ile Call for Cre	dit Card	Info.		
	Need Results By	y: (suro	charge)				Samples si	ubmitted usir	Program	Samples s	submitted using th	ne FreeSamplingBadge	es™ Progr	'am			
	Stan	dard (0%	Site Name : FT Da	y School			Pro	oject : ACPS IAQ te	esting - 49200)02 Samı	oled by : Karl F	ord				
	4 Business I	Days 3	35%	Comments :													
H-	3 Business (Days 5	50%	Dosimeter carti	rige # note	d in the	e (Hexav	elent Chr	omium Process)	colum							
H	2 Business [Days 7	5%	-					150								
H	Next Day by 6	5pm 10	00% l	List description of ind	lustry or Proce	ss/interfe	rences pres	sent in sampl	ing area :	State samples	were	Please indicate w	hich OEL this data wil	l be used	l for :		
H	Next Day by N	50%	Public grade s	school bui	Iding				collected in (e.g]. , ΝΥ)	OSHA PEL	ACGIH TLV	Cal	OSHA			
	Same	Day 20	0%		T					VA		MSHA	Other (specify):				
Sample Identification* Date Sampled Collection				Collection	Medium	dium Sample Volume Sample Time Sample Area*		Sample Units*: L, ml,min,in2,cm2,ft2	2 Analysis Requested*		ested*	Method Reference^	Hexavale Process	ent Chromium (e.g., welding			
FT -	- Class 412			09/16/21	Assay N581 Aldel	nyde Badge	243		Min	Formaldehyde			mod. OSHA 1007: TPLC/UV	PD44	71		
FT -	- 401a			09/16/21	Assay N581 Alder	nyde Badge	239		Min	Formaldehvde			mod. OSHA 1007: TPLC/UV	PD47	62		
FT -	- Media Cen	ter		09/16/21	Assay N581 Aldel	nyde Badge	240		Min	Formaldehyde			mod. OSHA 1007: TPL C/UV		30		
FT -	Class 420			09/16/21	Assay N581 Alder	iyde Badge	adge 240		Min	Formaldehyde			mod. OSHA 1007: TPI C/UV	PD40	71		
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	an a																
^Gal	lson Laboratorie	s will subsiti	tute our ro	outine/preferred meth	od if it does no	t match t	he method	l listed on the	COC unless this box is	checked	se method(e)	listed on COC					
For r	netals analysis:	if requesting	an analyte	with the option of a	lower LOQ, ple	ase indic	ate if the lo	ower LOO is r	equired (only available	for certain anal							
Fore	crystalline silica:	form(s) of si	lica needeo	d must be indicated ((Quartz, Cristob	alite, and	d/or Tridym	nite)* :		i i i i i i i i i i i i i i i i i i i	103 - 300 3AU	3).					
Chair	n of Custody		Print	Name/Signature	ſ	D	ate	Time	Г		Print Name	Signature	Det		Time		
Relin	quished by : (Channing	Jacksor	<u>-</u>		09/1	7/21	14:00	Received by :	alla	2 152	1	- Dat	24	icino		
Relin	quished by :	At	evy	65/92		912	1121		Received by :	in with		6		~1	1900		
		V		* Re	S quired fields	amples , failure	received a to comple	after 3pm w ete these fie	ill be considered as Ids may result in a c	next day's bus delay in your s	iness amples bein	n processed	IPa	age 2	of 2		



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

Client Name	Total Environmental Concepts -	Lorto	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 Cor	nfer			
Shipping Conta	niner(s)							
No. of Coolers	0							
			lce	N	/A			
Custody Seal(s) Intact?	N/A	Temp (deg (C)				
Seal(s) Signed	/ Dated?	N/A	Temp Blank	Present N	0			
Documentation			Sampler Na	me Karl	l Ford			
COC agrees w	vith sample labels?	Yes	MD DW Cer	rt. No. N/A				
Chain of Custo	ody	Yes						
Sample Contair	ner		Custody Sea	al(s) Intact?	Not Applicable			
Appropriate fo	r Specified Analysis?	Yes	Seal(s) Sign	bet / Dated	Not Applicable			
Intact?		Yes	Seal(3) Sign	ieu / Daleu				
Labeled and L	abels Legible?	Yes						
Holding Time			Total No. of	Samples Re	eceived 15			
All Samples R	eceived Within Holding Time(s)?	Yes	Total No. of	Containers I	Received 15			
Preservation								
Total Metals			(pł	H<2)	N/A			
Dissolved Met	als, filtered within 15 minutes of co	ollectio	n (pł	H<2)	N/A			
Orthophospho	rus, filtered within 15 minutes of c	ollectio	on		N/A			
Cyanides			(pł	H>12)	N/A			
Sulfide			(pł	1 >9)	N/A			
TOC, DOC (fie	eld filtered), COD, Phenols		(pł	H<2)	N/A			
TOX, TKN, NH	13, Total Phos		(pł	H<2)	N/A			
VOC, BTEX (\	/OA Vials Rcvd Preserved)		(pł	H<2)	N/A			
Do VOA vials	have zero headspace?				N/A			
624 VOC (Rcv	d at least one unpreserved VOA	/ial)			N/A			
524 VOC (Rcv	/d with trip blanks)		(pł	H<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:

Date: 09/21/2021

PM Review and Approval:

NY Hackson

Amber Confer

Lynn Jackson Page 14 of 14 Date: 09/21/2021

Version 1.000

	SGS GALSON New Client? Repor			Report To* :					Invoice T	o* :				
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	East Syr	acuse, NY 13057		Phone No.* :					Phone I	No.:				
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	www.sg	sgalson.com		Email address:					Credit Card : Card on File Call for Credit Card Info.					
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For	metals analysis: i	f requesting an anal	yte with the option of a	lower LOQ, please	indicate if the	e lower LOQ is	s required (only availabl	e for certain a	analytes - see SA	AG):				
For	crystalline silica:	form(s) of silica need	ded must be indicated (0	Quartz, Cristobalite	, and/or Trid	ymite)* :								
Chai	n of Custody	Pri	nt Name/Signature		Date	Time			Print Nam	ne/Signature		Da	te	Time
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	2 Business Da	ys 75%												
	Next Day by 6p	m 100%	List description of indu	stry or Process/int	erferences pr	esent in samp	ling area :	State samp	es were	Please indicate w	hich OEL th	is data wil	l be used	for :
	Next Day by No	on 150%						collected in	(e.g., NY)	OSHA PEL	ACGIH	TLV	Cal	OSHA
	Same Da	ay 200%									Other (s	pecify):		
	Sample Identification* (Maxmium of 20 Characters) Date Sampled Collection			Collection Media	ım Sam Sar San	ple Volume nple Time nple Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requ	ested*	Method Re	eference^	Hexavale Process (plating, p	nt Chromium e.g., welding painting, etc.)*	
^Ga	Ison Laboratories	will subsititute our	routine/preferred metho	od if it does not ma	I Itch the meth	od listed on th	l ne COC unless this box i	s checked:	Use method(s) listed on COC				
For	metals analysis: i	f requesting an anal	yte with the option of a	lower LOQ, please	indicate if the	e lower LOQ is	s required (only availabl	e for certain a	analytes - see SA	AG):				
For	crystalline silica:	form(s) of silica need	ded must be indicated (0	Quartz, Cristobalite	, and/or Trid	ymite)* :								
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Appendix E: 4-PCH Analytical Results



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**.

Certificate of Analysis

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





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.



Explanation of Qualifiers

SCIENCE

Project Name: ACPS IAQ Testing

PSS Project No.: 21092013

Standard Flags/Abbreviations:

- В A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- С Results Pending Final Confirmation.
- Е The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1. Fail
- 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.
- PSS Reporting Limit. RL
- 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



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-Luab

Lisa Swab Laboratory Director

Enclosure(s)



ANALYTICAL REPORT

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	Lab ID: 1042	Mold Analysis Laboratory license
	Regulation		

Legend

< - Less than > - Greater than	mg - Milligrams ug - Micrograms	MDL - Method Detection Limit NA - Not Applicable	ppb - Parts per Billion 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

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Version 1.000
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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.Account No.: 15354Site: F.T. DAY SCHOOLLogin No. : L547193Project No.: ACPS IAQ TESTING-4920002Date SampledDate Sampled: 16-SEP-21Date AnalyzedDate Received: 22-SEP-21Report ID: 1267061

4-Phenylcyclohexene (4PCH low LOQ)

Sample ID	Lab ID	Air Vol liter	Front uq	Back uq	Total uq	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.

Analytical Method: mod. NIOSH 1501; GC/PIDDate: 29-SEP-21Collection Media: 226-01Supervisor: KAG	Level of Quantitation: 0.2 ug	Submitted by: BDK	Approved by: NKP
	Analytical Method : mod. NIOSH 1501; GC/PID Collection Media : 226-01	Date : 29-SEP-21 Supervisor : KAG	


LABORATORY FOOTNOTE REPORT

Client Name : Phase Separation Science, Inc. Site : F.T. DAY SCHOOL Project No. : ACPS IAQ TESTING-4920002 6601 Kirkville Road East Syracuse, NY 13057 Date Sampled : 16-SEP-21 Account No.: 15354 (315) 432-5227 Date Received: 22-SEP-21 Login No. : L547193 FAX: (315) 437-0571 Date Analyzed: 24-SEP-21 - 25-SEP-21 www.sgsgalson.com

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
A phonylauglobowone (Apquilley 100)	. / 10%	00 2%
4-Phenylcyclohexene (4PCH low LOQ)	+/-18%	88.2%

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Ī	FT - Physical A	ctivity		09/16/21	Sm Charcoal tubes / 226-0	47.4	1		4-Phenylcyclohexene mod. 1			1501		
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Ī	FT - Class 214			09/16/21	Sm Charcoal tubes / 226-01	45.8	li li	L.	4-Phenylcyclohexene		mod. NIOSH	1501		
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Ī	FT - Class 225	<u> </u>		09/16/21	Sm Charcoal tubes / 226-0	44.8	1	L_	4-Phenylcyclohexene		mod. NIOSH	1501		
Ī	FT - C205			09/16/21	Sm Charcoal tubes / 226-0	45.4	1	L	4-Phenylcyclohexene		mod. NIOSH	1501		
ľ	FT - Class 317			09/16/21	Sm Charcoal tubes / 226-0	48.2	1	L	4-Phenylcyclohexene		mod. NIOSH	1501		
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屵	Next Day by 6p	n 100%	List description of ind	ustry or Process/ini	errerences pre	sent in sampi	ny area.	collected in (e.g., NY)	OSHA PEL		I TLV	Cal	DSHA
屵	Same Da	v 200%	Public grade s	school				VA		Other (specify):		
Sample Identification* Date Sampled Collection Medium (Maxmium of 20 Characters)				um Sam Sam	le Volume ple Time ple Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis	Requested*	Method F	Reference^	Hexavaler Process (e plating, p	nt Chromium a.g., welding ainting, etc.)*	
FT	- Class 412		09/16/21	Sm Charcoal tubes / 22	26-01 48.6		L	4-Phenylcyclohexen	9	mod. NK	OSH 1501		
FT	- 401a		09/16/21	Sm Charcoal tubes / 22	26-01 47.8		L	4-Phenylcyclohexen	9	mod. NI	OSH 1501		in 12
FT	- Media Cente	er	09/16/21	Sm Charcoal tubes / 2	26-01 48.0		L	4-Phenylcyclohexene m			OSH 1501		
FT	- Class 420		09/16/21	Sm Charcoal tubes / 22	26-01 48.0		L	4-Phenylcyclohexene			mod. NIOSH 1501		
				Sm Charcoal tubes / 22	26-01		L	4-Phenylcyclohexen	ə	mod. NI	OSH 1501		
				Sm Charcoal tubes / 22	26-01		L	4-Phenylcyclohexen	9	mod. NK	OSH 1501		
				Sm Charcoal tubes / 22	26-01		L	4-Phenylcyclohexen	9	mod. NK	OSH 1501		
				Sm Charcoal tubes / 2	26-01		L	4-Phenylcyclohexen	9	mod. NIC	OSH 1501		
				Sm Charcoal tubes / 22	26-01		L	4-Phenylcyclohexen	9	mod. NK	OSH 1501		
				Sm Charcoal tubes / 22	26-01		L	4-Phenylcyclohexen	e	mod. NIC	OSH 1501		
				Sm Charcoal tubes / 22	26-01		L	4-Phenylcyclohexen	9	mod. NI	OSH 1501		
٨G	alson Laboratories	will subsititute our	routine/preferred met	hod if it does not m	atch the metho	od listed on th	e COC unless this box i	s checked: 🔽 Use me	thod(s) listed on COC				
Fo	metals analysis: i	f requesting an analy	te with the option of a	a lower LOQ, please	indicate if the	lower LOQ is	required (only availabl	e for certain analytes - s	see SAG):				
Fo	crystalline silica:	orm(s) of silica need	led must be indicated	(Quartz, Cristobalite	e, and/or Tridy	mite)* :							
Cha	in of Custody	Prir	nt Name/Signature		Date	Time		Print	Name/Signature		Da	te	Time
Rel	inquished by : C	hanning Jacks	on		09/17/21	14:00	Received by :	aler	r lon		9/20/	4	1500
Rei	inquished by :	any	2 Win	9	121/2		Received by :	Michelle Kra	wse Michelle	<u>- Krac</u>	1	44	1007
		- •	V * R	Sam Required fields, fa	iples réceived ulure to comp	1 after 3pm piete these f	will be considered as fields may result in a rence:1 Generate	s next day's business delay in your sampled:29-SEP-21-13	es being processed.)	F	age_2	of <u>2</u>



Chain of Custody Form for Subcontracted Analyses

Phase Separation Science, inc
6630 Baltimore National Pike
Daltimore MD 21228

For Questions or issues please contact: Amber Confer

Baltimore, MD 21228 Phone: (410) 747-8770 Fax: (410) 788-8723

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

Airbill No.: _____ Carrier : _____

Send Report Attn :	reporting@phaseonline.com

Perform Q.C. on Sample :

Send InvoiceAttn : invoicing@phaseonline.com

Condition Upon Receipt :					
Comments :					
······································					
Samples Relinquished By : Werry Wr	Date : 9/11/21	Time:	Samples Received By :		
Samples Relinquished By:	Date :	Time :	Samples Received By:		_
Samples Relinquished By:	Date: Page 7 c	of 7 ime Report Re	eference: 1 Menerated: 29 SEP-21 Samples Race Merry 12 Samples Race	1 Michelle Krause 9/22/21	100-1
		H	Page 10 of 14	Version 1.000	

PHASE
SEPARATION
SCIENCE
GCIENCE

Project Name:ACPS IAQ TestingPSS 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.

21092013

	SGS GALSON New Client? Report			? Report To* : P 6	hase Sepa 630 Baltin	aration So nore Natio	cience nal Pike	Invoice 1	Invoice To* : Phase Separation Science				
		UMEOUN	Client Account	No.*: B	altimore, l	VID 21228	3						
	6601 Kirk	ville Bd											
	East Syrad	use, NY 13057		Phone No.* : <u>4</u>	10-747-87	70	and the second	Phone	No.: <u>410-747-8</u>	770			
	Tel: (315) 888-4	432-5227 32-LABS (5227)		Cell No. :				Em	ail : <u>invoicing@</u>	phaseonl	ine.com		
		aleon com	E	Email Results to : A	mber Cont	fer		P.O. N	Io. : ODC 4920	002-001			
	www.sgsg	alson.com		Email address <u>: re</u>	porting@p	ohaseonlir	ie.com	Credit Ca	rd : Card on F	ile C	all for Cred	lit Card In	fo.
	Need Results By:	(surcharge)		V	Samples su	bmitted usin	g the FreePumpLoan™	rogram					
	Standard	0%	Site Name : F.T. D	Name : F.T. Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford									
	4 Business Days	35%	Comments :	ments :									
	3 Business Days	50%											
	2 Business Days	75%							·				
	Next Day by 6pm	100%	List description of ind	lustry or Process/inter	ferences pres	ent in sampl	ing area :	State samples were	Please indicate w	which OEL thi	is data will	be used f	or :
	Next Day by Noon	150%	Public grade s	school				1/A	USHA PEL				ISHA
	Same Day	200%			L Comm	a Valuesa		VA			pecity):	Havevalar	t Chramium
Sample Identification* Date Sampled Collection Me (Maxmium of 20 Characters)				Collection Mediur	n Sampi Samp Samp	e volume ole Time ole Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requ	Analysis Requested*		eference^	Process (e plating, pa	.g., welding inting, etc.)*
FT - Multi-Purpose 09/16/21 Sm Charcoal tubes				Sm Charcoal tubes / 226-	48.2		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT - Music Room 09/16/21 Sm Charcoal tub			Sm Charcoal tubes / 226-	47.8		L	4-Phenylcyclohexene		mod. NIO	SH 1501			
FT	- Physical Activ	rity	09/16/21	Sm Charcoal tubes / 226-	47.4		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- Welcome Cer	nter	09/16/21	Sm Charcoal tubes / 226-	48.0		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- Class 214		09/16/21	Sm Charcoal tubes / 226-	45.8		L	4-Phenylcyclohexene mod. N			SH 1501		
FT	- Stair 230		09/16/21	Sm Charcoal tubes / 226-	45.8		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- Class 225		09/16/21	Sm Charcoal tubes / 226-	44.8		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- C205		09/16/21	Sm Charcoal tubes / 226-	45.4		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- Class 317		09/16/21	Sm Charcoal tubes / 226-	48.2		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- Hallway 305c		09/16/21	Sm Charcoal tubes / 226-	47.8		L	4-Phenylcyclohexene		mod. NIO	SH 1501		
FT	- Hallway 302c		09/16/21	Sm Charcoal tubes / 226-	48.0		L	4-Phenylcyclohexene		mod. NIO	SH 1501	a second derivatives	
^G	alson Laboratories w	vill subsititute our	routine/preferred meth	hod if it does not mate	h the method	listed on th	e COC unless this box is	s checked: 🔽 Use method	s) listed on COC				
Fo	r metals analysis: if r	equesting an analy	te with the option of a	a lower LOQ, please in	dicate if the l	ower LOQ is	required (only available	e for certain analytes - see SA	AG):				
Fo	r crystalline silica: fo	rm(s) of silica need	led must be indicated	(Quartz, Cristobalite,	and/or Tridyr	nite)* :							
Cha	ain of Custody	Pri	nt Name/Signature		Date	Time		Print Nan	ne/Signature		Dat	e	Time
Rel	inquished by : Ch	anning Jacks	on	0	9/17/21	14:00	Received by :	aura	m		9/20/	U	1500
Relinquished by: Aler Com a 21 21 Received by:													
			* R	Sampl equired fields, failu	es received re to comp	after 3pm v lete these fi	will be considered as elds may result in a	s next day's business delay in your samples be	ing processed.		P	age_1_	of _2_

21092013

(SGS	GAISON	New Client	New Client? Report To* : Phase Separation Science 6630 Baltimore National Pike			Ir	voice To	^₀ *∶ <u>Phase S</u>	eparati	on Scie	nce			
		UALOUN	Client Account	No.*: Ba	itimore, i	VID 21228	}								
	6601 Ki	kville Bd								an and a second second					
	East Sy	acuse, NY 13057		Phone No.* :41	0-747-87	70			Phone N	lo.: <u>410-747-87</u>	770				
	Tel: (31 888	5) 432-5227 -432-LABS (5227)		Cell No. :	o.:Email: <u>invoicing@phaseonline.com</u>										
			E	Email Results to : Ar	Amber Confer P.O. No. : ODC 4920002-001										
	www.sg	sgalson.com		Email address: re	ة: reporting@phaseonline.com Credit Card : Card on File Call for Credit Card : Card on File Call for Credit Card							lit Card Ir	nfo.		
	Need Results By:	(surcharge)			Samples su	bmitted usin	g the FreePumpLoan™	Program S	Program Samples submitted using the FreeSamplingBadges™Program						
	Standa	rd 0%	Site Name : F.T. D	ay School		Pro	ject : ACPS IAQ te	sting - 4920002	Samp	oled by : Karl F	ord				
	4 Business Da	ys 35%	Comments :	ients :											
	3 Business Da	ys 50%													
	2 Business Da	ys 75%													
	Next Day by 6p	m 100%	List description of ind	cription of industry or Process/interferences present in sampling area :						Please indicate w	hich OEL th	his data will	be used	for :	
	Next Day by No	on 150%	Public grade s	school				contected in (e.g., N	1)			ITLV		OSHA	
	Same D	ay 200%			VA			UOther (specity):						
Sample Identification* Date Sampled Collection (Maxmium of 20 Characters)			Collection Medium	Sampl Samp Samp	e Volume ble Time ble Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analy	Analysis Requested*			leference^	Hexavale Process (plating, p	nt Chromium e.g., welding ainting, etc.)*		
FT - Class 412 09/16/21 Sm Charcoal tu			Sm Charcoal tubes / 226-01	48.6		L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501				
FT - 401a 09/16/21 Sm Charcoal tul			Sm Charcoal tubes / 226-01	47.8		L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501				
FT	- Media Cent	ər	09/16/21	Sm Charcoal tubes / 226-0	48.0		L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501			
FT	- Class 420		09/16/21	Sm Charcoal tubes / 226-01	48.0		L	4-Phenylcyclohexene		mod. NIC	OSH 1501				
				Sm Charcoal tubes / 226-01			L	4-Phenylcyclohexene mod.			mod. NIC	OSH 1501			
				Sm Charcoal tubes / 226-01		17-1 ()	L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501			
				Sm Charcoal tubes / 226-01			L	4-Phenylcyclohex	ene		mod. NIC	DSH 1501			
				Sm Charcoal tubes / 226-0			L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501			
_				Sm Charcoal tubes / 226-01	1		L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501			
				Sm Charcoal tubes / 226-01			L	4-Phenylcyclohex	ene		mod. NIC	OSH 1501			
				Sm Charcoal tubes / 226-01			L	4-Phenylcyclohex	ene		mod. NIC	DSH 1501			
^G	alson Laboratorie	will subsititute our	routine/preferred met	nod if it does not matcl	the method	listed on th	e COC unless this box is	s checked: 🖌 Use	method(s) listed on COC			11 1 2 21 10 2 10 10		
Fo	r metals analysis:	f requesting an analy	yte with the option of a	a lower LOQ, please inc	licate if the I	ower LOQ is	required (only available	e for certain analytes	- see SA	G):		0. 0. 0. 0. 0. 10. 0. 0. 0. 0.	والمتلاط المتلاط		
Fo	r crystalline silica:	form(s) of silica need	ded must be indicated	(Quartz, Cristobalite, a	nd/or Tridyr	nite)* :									
Cha	in of Custody	Pri	nt Name/Signature		Date	Time		Pr	int Nam	e/Signature		Dat	e	Time	
Rel	inquished by :	Channing Jacks	on	09	/17/21	14:00	Received by :	aren	1	wo		9/20/	Ч	1500	
Rel	inquished by :	any	2 win	1917	1/2	L	Received by :								
			× R	Sample equired fields, failu	s received e to comp	after 3pm lete these f	will be considered as ields may result in a	next day's busine delay in your sam	ess ples bei	ng processed.		Р	age_2	of _2_	



Sample Receipt Checklist

SCIENCE

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

Client Name	Total Environmental Concepts -	Lorto	Received By	Amber Cor	nfer	
Disposal Date	10/25/2021		Date Received	09/20/2021	03:00:00	PM
			Delivered By	Client		
			Tracking No	Not Applicat	ole	
			Logged In By	Amber Cor	nfer	
Shipping Conta	niner(s)					
No. of Coolers	0					
			Ice	N	/Α	
Custody Seal(s) Intact?	N/A	Temp (deg (C)		
Seal(s) Signed	/ Dated?	N/A	Temp Blank	Present No	0	
Documentation			Sampler Na	me <u>Karl</u>	Ford	
COC agrees w	vith sample labels?	Yes	MD DW Cer	rt. No. <u>N/A</u>		
Chain of Custo	ody	Yes				
Sample Container			Custody Sea	al(s) Intact?	Not Appli	icable
Appropriate fo	r Specified Analysis?	Yes	Seal(s) Sign	ed / Dated	Not Appli	icahle
Intact?		Yes	Ocal(3) Olgi	icu / Dalcu		
Labeled and L	abels Legible?	Yes				
Holding Time			Total No. of	Samples Re	ceived	15
All Samples R	eceived Within Holding Time(s)?	Yes	Total No. of	Containers I	Received	15
Preservation						
Total Metals			(pł	H<2)	N/A	
Dissolved Met	als, filtered within 15 minutes of co	ollectio	n (pł	H<2)	N/A	
Orthophospho	rus, filtered within 15 minutes of c	ollectio	on		N/A	
Cyanides			(pł	H>12)	N/A	
Sulfide			(pH	H>9)	N/A	
TOC, DOC (fie	eld filtered), COD, Phenols		(pH	H<2)	N/A	
TOX, TKN, NH	13, Total Phos		(pH	H<2)	N/A	
VOC, BTEX (\	/OA Vials Rcvd Preserved)		(pH	H<2)	N/A	
Do VOA vials I	have zero headspace?				N/A	
624 VOC (Rcv	d at least one unpreserved VOA	/ial)			N/A	
524 VOC (Rcv	vd with trip blanks)		(p⊦	H<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:

Date: 09/21/2021

PM Review and Approval:

NY Hackson

Amber Confer

Lynn Jackson Page 14 of 14 Date: 09/21/2021

Version 1.000

	SGS			Report To* :_					Invoice T	o* :					
		UALUUN	Client Account N	o.*:											
	6601 Kir	kville Pd													
6601 Kirkville Rd East Syracuse, NY 13057				Phone No.* :		Phone No.:									
Tel: (315) 432-5227				Cell No. :				Em	ail :						
000-432-LAD3 (3227)			Er	mail Results to :_				P.O. No. :							
www.sgsgalson.com				Email address:			Credit Card : Card on File Call for Credit C					dit Card Ir	nfo.		
	Need Results By:	(surcharge)		E	Samples s	ubmitted usir	ng the FreePumpLoan™	Program	Samples	amples submitted using the FreeSamplingBadges [™] Program					
	Standa	rd 0%	Site Name :	Pro	oject :		Sampled by :								
	4 Business Da	ys 35%	Comments :												
	3 Business Da	ys 50%													
	2 Business Da	ys 75%													
	Next Day by 6p	m 100%	List description of indu	sent in samp	ling area :	State samples were		Please indicate w	Please indicate which OEL this data will b		ll be used	for :			
	Next Day by No			collect				collected in (e.g., NY) OSHA PEI			ACGIH TLV Cal OSHA				
	Same Da	ay 200%									Other (s	pecify):			
Sample Identification* (Maxmium of 20 Characters)			Date Sampled	npled Collection Medium Sample Samp Samp			Sample Units*: L, ml,min,in2,cm2,ft2		Analysis Requested*			Method Reference ^A Hexava Process plating		nt Chromium e.g., welding painting, etc.)*	
													1		
^Ga	Ison Laboratories	will subsititute our	routine/preferred metho	od if it does not ma	tch the metho	d listed on th	I ne COC unless this box i	s checked:	Use method(s) listed on COC	1				
For	metals analysis: i	f requesting an anal	yte with the option of a	lower LOQ, please	indicate if the	lower LOQ is	required (only availabl	e for certain a	nalytes - see SA	AG):					
For	crystalline silica:	form(s) of silica need	ded must be indicated (0	Quartz, Cristobalite	, and/or Tridy	mite)* :	-								
Chai	n of Custody	Pri	t Name/Signature		Date	Time		Print Name/Signature		ne/Signature	Date		ite	Time	
Relinquished by :			-				Received by :			-					
Relir	nquished by :					1	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 of												of		

	SGS			Report To* :_					Invoice T	o* :					
		UALUUN	Client Account N	o.*:											
	6601 Kir	kville Pd													
6601 Kirkville Rd East Syracuse, NY 13057				Phone No.* :		Phone No.:									
Tel: (315) 432-5227				Cell No. :				Em	ail :						
000-432-LAD3 (3227)			Er	mail Results to :_				P.O. No. :							
www.sgsgalson.com				Email address:			Credit Card : Card on File Call for Credit C					dit Card Ir	nfo.		
	Need Results By:	(surcharge)		E	Samples s	ubmitted usir	ng the FreePumpLoan™	Program	Samples	amples submitted using the FreeSamplingBadges [™] Program					
	Standa	rd 0%	Site Name :	Pro	oject :		Sampled by :								
	4 Business Da	ys 35%	Comments :												
	3 Business Da	ys 50%													
	2 Business Da	ys 75%													
	Next Day by 6p	m 100%	List description of indu	sent in samp	ling area :	State samples were		Please indicate w	Please indicate which OEL this data will b		ll be used	for :			
	Next Day by No			collect				collected in (e.g., NY) OSHA PEI			ACGIH TLV Cal OSHA				
	Same Da	ay 200%								MSHA	Other (s	pecify):			
Sample Identification* (Maxmium of 20 Characters)			Date Sampled	npled Collection Medium Sample Samp Samp			Sample Units*: L, ml,min,in2,cm2,ft2		Analysis Requested*			Method Reference ^A Hexava Process plating		nt Chromium e.g., welding painting, etc.)*	
													1		
^Ga	Ison Laboratories	will subsititute our	routine/preferred metho	od if it does not ma	tch the metho	d listed on th	I ne COC unless this box i	s checked:	Use method(s) listed on COC	1				
For	metals analysis: i	f requesting an anal	yte with the option of a	lower LOQ, please	indicate if the	lower LOQ is	required (only availabl	e for certain a	nalytes - see SA	AG):					
For	crystalline silica:	form(s) of silica need	ded must be indicated (0	Quartz, Cristobalite	, and/or Tridy	mite)* :	-								
Chai	n of Custody	Pri	t Name/Signature		Date	Time			Print Name/Signature		Date		ite	Time	
Relinquished by :			-				Received by :			-					
Relir	nquished by :					1	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 of												of		

Appendix F: Sampling Locations

















Appendix G: Photographs







F.T. Day, Cafeteria



F.T. Day, Extended Learning Area



F.T. Day, Classroom



F.T. Day, Gym



F.T. Day, Office