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Setting the Standard in Comprehensive Environmental Solutions



INDOOR AIR QUALITY ASSESSMENT REPORT

at

LYLES-CROUCH ELEMENTARY SCHOOL 530 S St Asaph St,

Alexandria, VA 22314



<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 AIHA ASHRAE | Air-Handling Unit American Industrial Hygiene Association 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 Satellite 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 MacArthur 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 Lyles Crouch Elementary School on Wednesday, September 1, 2021. ACPS required that the testing 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. ACPS chose sampling locations 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)
- Formaldehyde
- 4-polycyclohexene (4-PCH)

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 recommendations during this limited IAQ investigation:

• **Mold** – TEC conducted site-specific mold sampling outside at Lyles Crouch Elementary School 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:

The number of spores in the air were within acceptable ranges in all locations as compared to background outside air mold spore counts. Photographs can be found in Section 3, Visual Observations.

Recommendations:

- Moving forward, any suspected mold growth should be inspected by a 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 Lyles Crouch 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 volatile organic compounds (VOCs) recorded in at each location were within acceptable ranges 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 a 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 this investigation, ≤ 65%. None of the tested locations had a relative humidity greater than 65%.
- **Temperature** none of the tested spaces had temperatures greater than the ASHRAE recommended summer range of 75°F-80.5°F.

2. Assessment 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 1, 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. The 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 total surface area of the sampling device for the 4 hours of sampling time. Monitors 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.



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.



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.



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

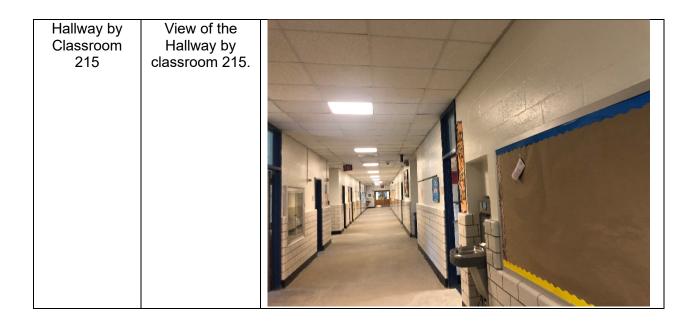
Real-time measurements for oxygen, carbon dioxide, carbon monoxide, VOC, hydrogen sulfides were taken with a multi-gas detector. These measurements can be found in Section 10 Multi-gas Detector (MSA Altair Multi-gas) Readings. This information can be found in Table 1 below.



3. Visual Observations

| Sample Location | September 1, 2021 | Visual Observations |
|--------------------|---|---------------------|
| Main Office | The main office of Lyles Crouch located on the second floor. | |

| Multi-Purpose | The multi- purpose room in Lyles Crouch functions as both a gymnasium and an auditorium. | A CADE AND |
|---------------|--|---|
| Main Lobby | The Main Lobby of Lyles Crouch. | |



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 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 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 the 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 below 65% in all locations. Average relative humidity can be found in Table 2.

4.3 Carbon Dioxide

Carbon dioxide (CO2) is a by-product of combustion-burning engines such as generators, furnaces, boilers, and idling automobile engines. High CO2 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.

4.4 Carbon Monoxide

Carbon monoxide (CO) is a by-product 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:

The number of spores in the air were within acceptable ranges in all locations as compared to background outside air mold spore counts. 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 Lyles Crouch Elementary School were indicative of mold issues.

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 break down. Some building materials, such as granite, maybe a source of radon. ACPS provided sampling areas, which did not allow for TEC to utilize the sampling protocol provided by Air Chek to perform 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 the 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. 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 C.

8. 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.

9. 4-PCH Sampling Results

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

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-G | as Detector Readings | | |
|------------------|---------|----------------------|--------|-----|
| Location | VOC | СО | OXYGEN | H2S |
| Reception Office | 0.0 | 0.0 | 20.9 | 0.0 |
| Lobby | 0.0 | 0.0 | 20.9 | 0.0 |
| Library | 0.0 | 0.0 | 20.9 | 0.0 |
| 111 | 0.0 | 0.0 | 20.9 | 0.0 |
| Hall 111 | 0.0 | 0.0 | 20.9 | 0.0 |
| Multi-Purpose | 0.0 | 0.0 | 20.9 | 0.0 |
| 106 | 0.0 | 0.0 | 20.9 | 0.0 |
| 001 | 0.0 | 0.0 | 20.9 | 0.0 |
| 010 | 0.0 | 0.0 | 20.9 | 0.0 |
| Cafeteria | 0.0 | 0.0 | 20.9 | 0.0 |
| 114 | 0.0 | 0.0 | 20.9 | 0.0 |
| 211 | 0.0 | 0.0 | 20.9 | 0.0 |
| Hall 214 | 0.0 | 0.0 | 20.9 | 0.0 |
| 206 | 0.0 | 0.0 | 20.9 | 0.0 |
| 200 | 0.0 | 0.0 | 20.9 | 0.0 |

Table 2

| | | Results of Analytes by L | ocation | | |
|------------------|-----------|----------------------------|---------------|-------------|--------------|
| Location | Radon | Mold AVG: 77 F AVG: 51% | TO+15 VOCs | 4PCH | Formaldehyde |
| Reception Office | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| Lobby | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| Library | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 111 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| Hall 111 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| Multi-Purpose | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 106 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 001 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 010 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| Cafeteria | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 114 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 211 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| Hall 214 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 206 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |
| 200 | < 4 pCi/L | Spore Count Normal | < RSL | < 6.5 ug/m3 | < RSL |

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

11. Quality Control Program

- TEC recognizes the importance of quality assurance (QA) and quality control (QC) measures related to sample collection and processing performance.
- To ensure compliance with QA/QC measures, Standard Operating Procedures (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



#21033474

Analysis Report prepared for

Total Environmental Concepts, Inc.

8382 Terminal Road Suite B Lorton, VA 22079

Phone: (571) 289-2173

Lyles Crouch

Collected: September 1, 2021 Received: September 3, 2021 Reported: September 3, 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 3rd, 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.

plien N. Hoyces

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



EPA Laboratory ID: VA01419







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

(571) 289-2173

Lyles Crouch

#21033474

Sop - HMC#101

| Sample Number | 1 | LC 431 | 5144 | 2 | LC431 | 58150 | 3 | LC431 | 5149 | 4 | LC431 | 15154 | |
|------------------------|-----------------------|--------------------------------------|--|-----------|------------------------|------------------------|--------------------------|-------------------------|--------------------------|-----------|------------------------|-----------|--|
| Sample Name | | LC Gym | | | LC 111 | | | LC 106 | | | LC 114 | | |
| Sample Volume | | 75.00 liter | 75.00 liter 75.00 liter 75.00 liter | | | | | 75.00 liter | r 75.00 liter | | | | |
| Reporting Limit | | 13 spores/m ³ | 3 spores/m ³ 13 spores/m ³ | | | | 13 spores/m ³ | | 13 spores/m ³ | | | | |
| Background | | 1 | | | 1 | | | 1 | | | 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 Tota | |
| Alternaria | | Count / III | | naw Count | Count / III | % OF TOTAL | naw Count | Count / III | | naw count | Count / III | ~ 01 10ta | |
| Ascospores | 1 | 13 | 100.0% | 1 | 13 | 50.0% | | | | 2 | 27 | 66.7% | |
| pergillus Penicillium | | 15 | 100.0% | I | 15 | 50.0% | | | | Z | 21 | 00.77 | |
| Basidiospores | | | | 1 | 13 | 50.0% | 1 | 13 | 100.0% | 1 | 13 | 33.39 | |
| Bipolaris Drechslera | | | | · · | 10 | 00.0% | · · | 10 | 100.070 | | 10 | 00.07 | |
| Chaetomium | | | | | | | | | | | | | |
| Cladosporium | | | | | | | | | | | | | |
| Curvularia | | | | | | | | | | | | | |
| Epicoccum | | | | | | | | | | | | | |
| Fusarium | | | | | | | | | | | | | |
| Memnoniella | | | | | | | | | | | | | |
| Myxomycetes | | | | | | | | | | | | | |
| Pithomyces | | | | | | | | | | | | | |
| Stachybotrys | | | | | | | | | | | | | |
| Stemphylium | | | | | | | | | | | | | |
| Torula | | | | | | | | | | | | | |
| Ulocladium | | | | | | | | | | | | | |
| Cercospora | | | | | | | | | | | | | |
| Total | 1 | 13 | 100% | 2 | 26 | 100% | 1 | 13 | 100% | 3 | 40 | 100% | |
| Water Damage Indicator | ŕ | Commo | n Allergen | | Slightly Higher | than Baseline | Signi | ficantly Higher | than Baseline | | Ratio Abnormal | ity | |
| | | Collected:Sep 1 | , 2021 | Rece | eived: Sep 3, 20 | 21 | Reported: | Sep 3, 2021 | | | | | |
| <u> HAY</u> | ES NSULTING | Project Analyst: Ramesh Poluri, I | PhD P. R | ame | | Date: 09 - 03 - 202 | Review | ed By: layes, BSMT 🏒 | Honlan 1 | 1. Hours | Date: | 3 - 2021 | |

Karl Ford **Total Environmental Concepts, Inc.** 8382 Terminal Road Suite B

Lyles Crouch

#21033474

| Sample Number | 5 | LC431 | 1555 | 6 | LC431 | 5152 | 7 LC4315152 | | | 8 LC43115167 | | | |
|------------------------|-----------|------------------------------------|-------------|------------|--------------------------|------------------------|-------------|--------------------------|---------------|--------------------------|------------------------|----------|--|
| Sample Name | L | C Hall 117 | | LC Library | | | | LC 200 | | LC 206 | | | |
| 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 | | | 2 | | | 2 | | |
| Fragments | ND | | | | ND | | | ND | | | 13/m ³ | | |
| | | | | | 2 | | | 2 | | | 3 | 1 | |
| 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 Tot | |
| Alternaria | | | | | | | | | | | | | |
| Ascospores | 2 | 27 | 100.0% | 3 | 40 | 75.0% | 1 | 13 | 50.0% | 1 | 13 | 50.09 | |
| pergillus Penicillium | | | | | | | | | | | | | |
| Basidiospores | | | | 1 | 13 | 25.0% | | | | | | | |
| Bipolaris Drechslera | | | | | | | | | | | | | |
| Chaetomium | | | | | | | | | | | | | |
| Cladosporium | | | | | | | 1 | 13 | 50.0% | 1 | 13 | 50.09 | |
| Curvularia | | | | | | | | | | | | | |
| Epicoccum Fusarium | | | | | | | | | | | | | |
| Memnoniella | | | | | | | | | | | | | |
| Myxomycetes | | | | | | | | | | | | | |
| Pithomyces | | | | | | | | | | | | | |
| Stachybotrys | | | | | | | | | | | | | |
| Stemphylium | | | | | | | | | | | | | |
| Torula | | | | | | | | | | | | | |
| Ulocladium | | | | | | | | | | | | | |
| Cercospora | | | | | | | | | | | | | |
| Total | 2 | 27 | 100% | 4 | 53 | 100% | 2 | 26 | 100% | 2 | 26 | 100 | |
| Water Damage Indicator | | Commo | on Allergen | | Slightly Higher | than Baseline | Signi | ficantly Higher 1 | than Baseline | | Ratio Abnormali | ity | |
| | | Collected:Sep 1 | , 2021 | Rece | eived: Sep 3, 20 | 21 | Reported: | Sep 3, 2021 | | | | | |
| HAY MICROBIAL CO | ES | Project Analyst: Ramesh Poluri, | | Jam as | A. | Date: 09 - 03 - 202 | Reviewe | ed By: ayes, BSMT 🏒 | Italing 1 | 1 Haur | Date: | 3 - 2021 | |

Karl Ford Total Environmental Concepts, Inc. 8382 Terminal Road Suite B

Lorton, VA 22079 (571) 289-2173

Lyles Crouch

#21033474

SOP - HMC#101

| | -C Hall 207 75.00 liter 13 spores/m ³ 2 ND Count / m ³ 13 27 | % of Total 33.3% 66.7% | Raw Count | LC 010 75.00 liter 13 spores/m ³ 2 13/m ³ Count / m ³ 27 | % of Total 100.0% | Raw Count | LC Cafe 75.00 liter 13 spores/m ³ 2 ND Count / m³ 13 | % of Tota |
|--|---|--|--|--|---|---|---|--|
| F Total Raw Count 7.1% 1 | 13 spores/m ³ 2 ND Count / m ³ 13 | % of Total 33.3% | Raw Count | 13 spores/m ³ 2 13/m ³ Count / m ³ | % of Total | Raw Count | 13 spores/m ³ 2 ND Count / m ³ | % of Tota |
| F Total Raw Count 7.1% 1 | 2 ND Count / m ³ 13 | % of Total 33.3% | Raw Count | 2 13/m ³ Count / m ³ | % of Total | Raw Count | 2 ND Count / m ³ | % of Tota |
| 7.1% 1 | ND Count / m ³ 13 | 33.3% | | 13/m ³ | | | ND | |
| 7.1% 1 | Count / m ³ | 33.3% | | Count / m ³ | | | Count / m ³ | |
| 7.1% 1 | 13 | 33.3% | | | | | | |
| 7.1% 1 | 13 | 33.3% | | | | | | |
| | | | 2 | 27 | 100.0% | | 13 | 100.0% |
| 2.9% 2 | 27 | 66.7% | | | | | | |
| 2.9% 2 | 27 | 66.7% | | | | | | |
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| 100% 3 | 40 | 100% | 2 | 27 | 100% | 1 | 13 | 100% |
| gen | Slightly Higher | than Baseline | Signi | ficantly Higher 1 | than Baseline | | Ratio Abnormal | ty |
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Karl Ford **Total Environmental Concepts, Inc.** 8382 Terminal Road Suite B

Lorton, VA 22079

Lyles Crouch

#21033474

Sop - HMC#101

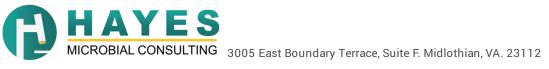
| Sample Number | 13 | LC431 | 5147 | 14 | LC431 | 5145 | 15 | LC431 | 15161 | 16 | LC431 | 5162 | |
|------------------------|-----------|------------------------------------|-------------|-----------|--------------------------|------------------------|-----------|--------------------------|---------------|---------------------------------------|--------------------------|-----------|--|
| Sample Name | | LC Outside | | LC 001 | | | LC Lobby | | | LC Office | | | |
| 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 | 3 | | 13 spores/m ³ | } | |
| Background | | 2 | | | 2 | | | 2 | | | 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 Tota | |
| Alternaria | | 13 | <1% | naw Count | Count / III | | naw Count | Count / III | % OF TOLA | | Count / III | % OF TOLd | |
| Ascospores | 132 | 1760 | 59.5% | 2 | 27 | 66.7% | 1 | 13 | 100.0% | 2 | 27 | 66.7% | |
| spergillus Penicillium | 2 | 27 | <1% | Z | 21 | 00.7 % | I | 13 | 100.0 % | Ζ | 21 | 00.7 / | |
| Basidiospores | 74 | 987 | 33.3% | 1 | 13 | 33.3% | | | | 1 | 13 | 33.3% | |
| Bipolaris Drechslera | 14 | 501 | 55.5% | | 15 | 00.0 % | | | | · · · · · · · · · · · · · · · · · · · | 15 | 33.3 / | |
| Chaetomium | | | | | | | | | | | | | |
| Cladosporium | 10 | 133 | 4.5% | | | | | | | | | | |
| Curvularia | 1 | 13 | <1% | | | | | | | | | | |
| Epicoccum | | | | | | | | | | | | | |
| Fusarium | | | | | | | | | | | | | |
| Memnoniella | | | | | | | | | | | | | |
| Myxomycetes | | | | | | | | | | | | | |
| Pithomyces | | | | | | | | | | | | | |
| Stachybotrys | | | | | | | | | | | | | |
| Stemphylium | | | | | | | | | | | | | |
| Torula | | | | | | | | | | | | | |
| Ulocladium | | | | | | | | | | | | | |
| Cercospora | 2 | 27 | <1% | | | | | | | - | | | |
| Total | 222 | 2960 | 100% | 3 | 40 | 100% | 1 | 13 | 100% | 3 | 40 | 100% | |
| Water Damage Indicato | r | Commo | on Allergen | | Slightly Higher | than Baseline | Signi | ficantly Higher | than Baseline | | Ratio Abnormal | ity | |
| | | Collected:Sep 1 | , 2021 | Rece | eived: Sep 3, 20 | 21 | Reported: | Sep 3, 2021 | | | | | |
| HAY | ES | Project Analyst: Ramesh Poluri, | | amas | | Date: 09 - 03 - 202 | Reviewe | ed By: ayes, BSMT 🏒 | Honlan 7 | 1 Hours | Date: | 3 - 2021 | |

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

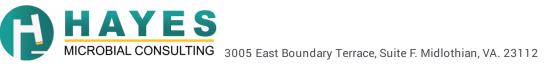
contact@hayesmicrobial.com

Page: 5 of 8

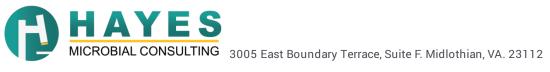
| Karl Ford Fotal Environmental Concepts, Ir | c. Lyles Crouch #210334 | 474 |
|--|--|-------|
| 3382 Terminal Road Suite B Lorton, VA 22079 (571) 289-2173 | Spore Trap Informa | ition |
| Reporting Limit | The Reporting Limit is the lowest number of spores that can be detected based on the total volume of the sample collected and the percentage of the slide that is counted. At Hayes Microbial, 100% of the slide is read so the LOD is based solely on the total volume. Raw spore counts that exceed 500 spores w be estimated. | |
| Blanks | Results have not been corrected for field or laboratory blanks. | |
| Background | The Background is the amount of debris that is present in the sample. This debris consists of skin cells, dirt, dust, pollen, drywall dust and other organic a non-organic matter. As the background density increases, the likelihood of spores, especially small spores such as those of Aspergillus and Penicillium r be obscured. The background is rated on a scale of 1 to 5 and each level is determined as follows: | |
| | NBD: No background detected due to possible pump or cassette malfunction. Recollect sample. (Field Blanks will display NBD) 1 : <5% of field occluded. No spores will be uncountable. 2 : 5-25% of field occluded. 3 : 25-75% of field occluded. 4 : 75-90% of field occluded. 5 :>90% of field occluded. Suggested recollection of sample. | |
| Fragments | Fragments are small pieces of fungal mycelium or spores. They are not identifiable as to type and when present in very large numbers, may indicate the presence of mold amplification. | |
| Control Comparisons | There are no national standards for the numbers of fungal spores that may be present in the indoor environment. As a general rule and guideline that is widely accepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not exceed those that a present outdoors at any given time. There will always be some mold spores present in "normal" indoor environments. The purpose of sampling and counti spores is to help determine whether an abnormal condition exists within the indoor environment and if it does, to help pinpoint the area of contamination. Spore counts should not be used as the sole determining factor of mold contamination. There are many factors that can cause anomalies in the comparis of indoor and outdoor samples due to the dynamic nature of both of those environments. | ing |
| 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 (more than 25% the ratio of a particular spore type may indicate the presence of abnormal levels of mold, even if the total number of spores of that type is lower in the increase environment than it was outdoors. | |
| Color Coding | Fungi that are present in indoor samples at levels lower than 200 per cubic meter are not color coded on the report, unless they are one of the water dam indicators. | nage |



| Karl Ford Total Environmental (8382 Terminal Road Suite B | Concepts, I | nc. Lyles Crouch #2103 | 3474 |
|--|-------------|---|---------|
| Lorton, VA 22079 (571) 289-2173 | | Organism Descri | iptions |
| Alternaria | Habitat: | Commonly found outdoors in soil and decaying plants. Indoors, it is commonly found on window sills and other horizontal surfaces. | |
| | Effects: | A common allergen and has been associated with hypersensitivity pneumonitis. Alternaria is capable of producing toxic metabolites which may be associated with disease in humans or animals. Occasionally an agent of onychomycosis, ulcerated cutaneous infection and chronic sinusitis, principally in the immunocompromised patient. | |
| Ascospores | Habitat: | A large group consisting of more than 3000 species of fungi. Common plant pathogens and outdoor numbers become very high following rain. Most of the genera are indistinguishable by spore trap analysis and are combined on the report. | |
| | Effects: | Health affects are poorly studied, but many are likely to be allergenic. | |
| Aspergillus Penicillium | Habitat: | The most common fungi isolated from the environment. Very common in soil and on decaying plant material. Are able to grow well indoors o a wide variety of substrates. | on |
| | Effects: | This group contains common allergens and many can cause hypersensitivity pneumonitis. They may cause extrinsic asthma, and many are opportunistic pathogens. Many species produce mycotoxins which may be associated with disease in humans and other animals. Toxin production is dependent on the species, the food source, competition with other organisms, and other environmental conditions. | |
| Basidiospores | Habitat: | A common group of Fungi that includes the mushrooms and bracket fungi. They are saprophytes and plant pathogens. In wet conditions the can cause structural damage to buildings. | еу |
| | Effects: | Common allergens and are also associated with hypersensitivity pneumonitis. | |
| Cercospora | Habitat: | Found on wood and decaying plant matter. | |
| | Effects: | Health effects are poorly studied. | |
| Cladosporium | Habitat: | One of the most common genera worldwide. Found in soil and plant debris and on the leaf surfaces of living plants. The outdoor numbers ar | re |
| Clauosponum | | lower in the winter and often relatively high in the summer, especially in high humidity. The outdoor numbers often spike in the late afternoor and evening. Indoors, it can be found growing on textiles, wood, sheetrock, moist window sills and in HVAC supply ducts. | |
| | Effects: | A common allergen, producing more than 10 allergenic antigens and a common cause of hypersensitivity pneumonitis. | |



| Karl Ford Total Environmenta | | nc. Lyles Crouch #21033474 |
|--|----------|---|
| 8382 Terminal Road Suite Lorton, VA 22079 (571) 289-2173 | В | Organism Descriptions |
| Curvularia | Habitat: | They exist in soil and plant debris, and are plant pathogens. |
| | Effects: | They are allergenic and a common cause of allergic fungal sinusitis. An occasional cause of human infection, including keratitis, sinusitis, onychomycosis, mycetoma, pneumonia, endocarditis and desseminated infection, primarily in the immunocompromised. |



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Appendix B: Radon Analytical Results

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| Kit #: 9723755 Location: Travel Blank , | Result: ???? | Analysis Note : MI Analyzed : 2021-09-17 at 10:00 am Started : 0000-00-00 at Ended : 2021-09-16 at 3:00 pm Hours/MST% : 0 hours 6.0% 70°F |
|--|---------------------|--|
| Kit #: 9723756 Location: Lc 211 | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.9% 70°F |
| Kit #: 9723768 Location: Lc200 | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.1% 70°F |
| Kit #: 9723772 Location: Lchall215 | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 11.2% 70°F |
| Kit #: 9723773 Location: Lc - 001 | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 11.6% 70°F |
| Kit #: 9723781 Location: Lc 206 | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 7.5% 70°F |

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

| Attention: | |
|---|---|
| Kit #: 9731141 Result: < 0.3 pCi/l Location: Lc Multi Purpose - 1 | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.8% 70°F |
| Kit #: 9731137 Result: < 0.3 pCi/l Location: Lc Media Center 1 | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 9.6% 70°F |
| Kit #: 9731142 Result: < 0.3 pCi/l Location: Lc Hall 111-110 | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.8% 70°F |
| Kit #: 9731145 Result: < 0.3 pCi/l Location: Lc Media Center -2 | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.9% 70°F |
| Kit #: 9731146 Result: < 0.3 pCi/l Location: | Analysis Note : Analyzed : 2021-09-11 at 11:00 am |

Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 5.3% 70°F

| Kit #: 9731166 | Result: < 0.3 pCi/l | Analysis Note : |
|----------------|---------------------|-----------------------------------|
| Location: | | Analyzed : 2021-09-11 at 11:00 am |
| Lc 114 | | Started : 2021-09-07 at 5:00 pm |
| | | Ended : 2021-09-10 at 4:00 pm |
| • , | | Hours/MST%: 71 hours 8.9% 70°F |

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,

Lc - 106-B

Attention:

| Kit #: 9731149 Location: Lc 106 Class | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 3:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 73 hours 10.9% 70°F |
|---|---------------------|--|
| Kit #: 9731150 Location: Lc 106 Class D | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 10.9% 70°F |
| Kit #: 9731151 Location: Lc 111 Room D , | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.9% 70°F |
| Kit #: 9731167 Location: Lc Office | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.9% 70°F |
| Kit #: 9731153 Location: | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am |

Lc Lobby

,

Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 8.9% 70°F

 Kit #: 9731174
 Result: < 0.3 pCi/l</td>
 Analysis Note :

 Location:
 Analyzed : 2021-09-11 at 11:00 am

 Lc Multi Purpose 2
 Started : 2021-09-07 at 5:00 pm

 Ended : 2021-09-10 at 4:00 pm

 ,
 Hours/MST% : 71 hours

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| A | ttention: | |
|---|-----------|--|
| | | |

| Kit #: 9731155 Location: Lc Cafe 2 , | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 9.7% 70°F |
|---|---------------------|---|
| Kit #: 9731157 Location: Lc 010 | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 9.7% 70°F |
| | | 53 |
| Kit #: 9731158 Location: Lc Cafe 1 , | Result: < 0.3 pCi/l | Analysis Note : Analyzed : 2021-09-11 at 11:00 am Started : 2021-09-07 at 5:00 pm Ended : 2021-09-10 at 4:00 pm Hours/MST% : 71 hours 9.7% 70°F |

Comment Time out Pickup Tech Pickup Date Email 5:32 5:25 5:21 5:38 5:38 5:13 5:27 12:5 5:18 Time in 5.15 5:25 5:10 S13 5:17 517 SIG Fan Y/N 2 2 Ś 2 ZZ Sample Type Radon 22 2 3 7 2 5 > 5 2 2 2 5 2 2 Mindow Y/N ample Media 2 × カン F 5 5 HVAC Y/N Lyles - Crouch n Ş > 3-FEC FECHS SQFT >2000 2-2001 nd itinu - 27 Li - musti purpaeri LC - Media center-1 U- - 111 200M-D LC - Medig Center-2 LC - 106 Class Placement Tech Placement Date CC - Hall - 111 - 110 LC-111 ROOM LC - 601 C/453 LC -010 C) 255 Address Location/ room Lc - Cafer 412 1104 -77 LC - Cafel LC - OFFCE a - 901-77 LC-106-B LC - LODBY LC -206 1-1-57 11-200 112 -77 Total Environmental Concepts, Inc. 0 LC973166 Le9723756 LC9723772 LC9723772 LC97311468 0 251126007 LC 9723768 LC 9731142 LC9731150 LC9731149 LC973 1159 LC 9731158 16973145 LC 9751174 LC9751157 CTT23773 C9731167 LC9731151 LC9731191 Sample # C9731137 C с Г C L 2 LC L L C 1c

с С Appendix C: VOCs (TO+15) Analytical Results



Project Name: ACPS IAQ Testing PSS Project No.: 21090318

September 22, 2021

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

Reference: PSS Project No: **21090318** Project Name: ACPS IAQ Testing Project Location: Lyles Crouch ES 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)**21090318**. This report has been revised to report results in ug/m³, per client. The sample results are not impacted by this revision. This report cancels and supersedes report version 1.000 dated September 16, 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 7, 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.: 21090318

Project ID: 4920002

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/02/2021 at 05:15 pm

| PSS Sample ID | Sample ID | Matrix | Date/Time Collected | |
|---------------|--------------|--------|---------------------|--|
| 21090318-001 | LC-Class 001 | AIR | 09/01/21 18:45 | |
| 21090318-002 | LC-Cafe | AIR | 09/01/21 18:41 | |
| 21090318-003 | LC-Class 010 | AIR | 09/01/21 18:39 | |
| 21090318-004 | LC-Class 114 | AIR | 09/01/21 18:48 | |
| 21090318-005 | LC-Class 111 | AIR | 09/01/21 18:51 | |
| 21090318-006 | LC-Class 117 | AIR | 09/01/21 18:52 | |
| 21090318-007 | LC-Multi | AIR | 09/01/21 18:56 | |
| 21090318-008 | LC-Class 106 | AIR | 09/01/21 19:08 | |
| 21090318-009 | LC-Media | AIR | 09/01/21 18:54 | |
| 21090318-010 | LC-Entrance | AIR | 09/01/21 18:58 | |
| 21090318-011 | LC-Office | AIR | 09/01/21 19:09 | |
| 21090318-012 | LC-Class 200 | AIR | 09/01/21 19:12 | |
| 21090318-013 | LC-Class 206 | AIR | 09/01/21 19:14 | |
| 21090318-014 | LC-Hall 207 | AIR | 09/01/21 19:19 | |
| 21090318-015 | LC-Class 211 | AIR | 09/01/21 19:16 | |
| | | | | |

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.
- 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.: 21090318

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 22, 2021

Account# 15354

Login# L545987

Dear Amber Confer:

Enclosed are the revised analytical results for the samples received by our laboratory on September 08, 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 L545987 (report reference:1) dated September 16th, 2021 issued by SGS Galson.

Per your request, the reporting units were updated to ug/m³.



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 | -LAP, LLC - IHLAP, ELLAP, EMLAP ISO/IEC 17025 and USEPA NLLAP | | 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 | mg - Milligrams | MDL - Method Detection Limit | ppb - Parts per Billion |
|-----------------------------|--------------------------|------------------------------|-------------------------|
| > - Greater than | ug - Micrograms | NA - Not Applicable | ppm - Parts per Million |
| I - 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 1.001
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6601 Kirkville Road East Syracuse, NY 13057 (315) 432-5227 FAX: (315) 437-0571 www.sgsgalson.com

| Client Site | : Phase Separation Science, Inc. : LYLES CROUCH ES | Account No.: 15354 Login No. : L545987 |
|----------------|---|---|
| Project No. | : CITY OF ALEXANDRIA | |
| Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| Date Received | : 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | L545987 LC-CAFE | | L545987 LC-CLAS | |
|---|-------------|--------------|--------------------|--------------------|------------------------|-------|--------------------|-------|
| | LOQ ppbv | LOQ ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 |
| Propylene | 5.0 | 8.6 | 5.1 | 8.8 | <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 | 19 | 46 | 2.9 | 6.9 | 16 | 38 |
| 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 | 45 | 110 | 7.8 | 19 | 12 | 28 |
| Analytical Method: mod. | OSHA PV2120 | /mod EPA TO1 | 5; GC/MS | | | Super | visor: BLD | |
| Collection Media : Mini Submitted by : SAP | | | | Approved b Date | y : BLD : 22-SEP-21 | - | | |

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Version 1.001
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| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | L545987-2 LC-CAFE | | L545987-3 LC-CLASS 010 | | |
|--------------------------|-------------|--------------|--------------------|-------|----------------------|-------|---------------------------|-------|--|
| | 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 | 33 | 81 | 20 | 48 | 16 | 40 | |
| Acrylonitrile | 0.80 | 1.7 | <0.80 | <1.7 | <0.80 | <1.7 | <0.80 | <1.7 | |
| Pentane | 0.80 | 2.4 | 1.1 | 3.2 | 1.3 | 3.7 | 1.0 | 3.0 | |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |

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Version 1.001
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| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | | L545987-2 LC-CAFE | | L545987-3 LC-CLASS 010 | | |
|--------------------------|-------------|--------------|--------------------|-------|-------|----------------------|-------|---------------------------|--|--|
| | 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 | 1.5 | 4.5 | <0.80 | <2.4 | 1.0 | 3.0 | | |
| 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 | 1.7 | 6.1 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 1 | 5354 |
|-------------------------|---------------|---|--------------------------------|----------------|-------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L | 545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed | : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID | : 1265083 |

TO15 List

| Galson ID: Client ID: | | | L545987-1 LC-CLASS 001 | | L545987-2 LC-CAFE | | -3 S 010 | |
|---------------------------|-------------|--------------|---------------------------|-------|----------------------|-------|-------------|-------|
| | 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 | 1.8 | 6.8 | <0.80 | <3.0 | 1.3 | 5.0 |
| 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 T015; GC/MS | Supervisor: BLD |
|--|-------------------|
| Collection Media : Mini Can | Approved by : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|----------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | |

TO15 List

| Galson ID: Client ID: | | L545987 LC-CLAS | | | L545987-2 LC-CAFE | | L545987-3 LC-CLASS 010 | |
|---------------------------|-------------|--------------------|-------|-------|----------------------|-------|---------------------------|-------|
| | 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 | 1.3 | 5.6 | 2.0 | 8.5 | 0.80 | 3.7 |
| m & p-Xylene | 1.6 | 6.9 | 4.9 | 21 | 7.3 | 32 | <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 | 1.2 | 5.2 | 1.7 | 7.3 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | L545987-1 LC-CLASS 001 | | L545987-2 LC-CAFE | | L545987-3 LC-CLASS 010 | |
|--------------------------|-------------|--------------|---------------------------|-------|----------------------|-------|---------------------------|-------|
| | 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 T015; GC/MS | Supervisor: BLD |
|--|-------------------|
| Collection Media : Mini Can | Approved by : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

Submitted by

: SAP

| Galson ID: Client ID: | | L545987 LC-CLAS | | | L545987-5 LC-CLASS 111 | | L545987-6 LC-HALL 117 | | |
|--------------------------|-------------|--------------------|-------|-------|---------------------------|-------|--------------------------|-------|--|
| | 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 | |
| l,3-Butadiene | 0.80 | 1.8 | <0.80 | <1.8 | <0.80 | <1.8 | <0.80 | <1.8 | |
| n-Butane | 0.80 | 1.9 | 3.6 | 8.5 | 2.3 | 5.6 | 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 | |
| Jinyl 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 | 9.1 | 22 | 8.8 | 21 | 9.1 | 22 | |

Date

: 22-SEP-21



| | Client | : | Phase Separation Science, Inc. | Account No.: 1 | 5354 |
|-------------------------|---------------|---|--------------------------------|----------------|-------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L | 545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed | : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID | : 1265083 |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | L545987 LC-CLAS | - | L545987-6 LC-HALL 117 | | |
|--------------------------|-------------|--------------|--------------------|-------|--------------------|-------|--------------------------|-------|--|
| | 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 | 27 | 68 | 14 | 35 | 17 | 42 | |
| Acrylonitrile | 0.80 | 1.7 | <0.80 | <1.7 | <0.80 | <1.7 | <0.80 | <1.7 | |
| Pentane | 0.80 | 2.4 | 1.4 | 4.2 | 2.1 | 6.3 | 1.4 | 4.2 | |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | | L545987-4 LC-CLASS 114 | | L545987-5 LC-CLASS 111 | | -6 117 |
|--------------------------|-------------|--------------|-------|---------------------------|-------|---------------------------|-------|-----------|
| | LOQ vdqq | 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 | 0.90 | 2.6 |
| 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 |
| l,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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | L545987 LC-CLAS | - | L545987 LC-HALL | |
|---------------------------|-------------|--------------|--------------------|-------|--------------------|-------|--------------------|-------|
| | 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 | 3.6 |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | | L545987-5 LC-CLASS 111 | | L545987-6 LC-HALL 117 | | |
|---------------------------|-------------|--------------|--------------------|-------|-------|---------------------------|-------|--------------------------|--|--|
| | 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 | 3.5 | 15 | 1.0 | 4.3 | <0.80 | <3.5 | | |
| m & p-Xylene | 1.6 | 6.9 | 14 | 62 | 3.9 | 17 | 1.7 | 7.3 | | |
| 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 | 3.2 | 14 | 1.0 | 4.3 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|----------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | |

TO15 List

| Galson ID: Client ID: | | | | L545987-4 LC-CLASS 114 | | L545987-5 LC-CLASS 111 | | L545987-6 LC-HALL 117 | |
|--------------------------|-------------|--------------|-------|---------------------------|-------|---------------------------|-------|--------------------------|--|
| | LOQ ppbv | LOQ ug/m3 | ppbv | ug/m3 | vdqq | 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |

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Version 1.001
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| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | L545987 LC-MULT | | | L545987-8 LC-CLASS 106 | | L545987-9 LC-MEDIA | | |
|--------------------------|-------------|--------------------|-------|-------|---------------------------|-------|-----------------------|-------|--|
| | 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 | |
| Jinyl Chloride | 0.80 | 2.0 | <0.80 | <2.0 | <0.80 | <2.0 | <0.80 | <2.0 | |
| l,3-Butadiene | 0.80 | 1.8 | <0.80 | <1.8 | <0.80 | <1.8 | <0.80 | <1.8 | |
| i-Butane | 0.80 | 1.9 | 1.5 | 3.6 | 2.1 | 5.0 | 1.1 | 2.6 | |
| 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 | |
| Jinyl 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 | 12 | 30 | 11 | 27 | 7.0 | 17 | |

| Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS | Supervisor: BLD |
|--|-------------------|
| Collection Media : Mini Can | Approved by : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|----------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-MULT | | | L545987-8 LC-CLASS 106 | | L545987-9 LC-MEDIA | |
|--------------------------|-------------|--------------|--------------------|-------|-------|---------------------------|-------|-----------------------|--|
| | 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 | 7.9 | 19 | 19 | 46 | 6.8 | 17 | |
| Acrylonitrile | 0.80 | 1.7 | <0.80 | <1.7 | <0.80 | <1.7 | <0.80 | <1.7 | |
| Pentane | 0.80 | 2.4 | 3.3 | 9.8 | 1.1 | 3.3 | 4.0 | 12 | |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : Pha | ase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|-------|------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LY | LES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : CI | TY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01 | -SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08 | -SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | L545987 LC-MULT | | | L545987-8 LC-CLASS 106 | | L545987-9 LC-MEDIA | |
|--------------------------|-------------|--------------------|-------|-------|---------------------------|-------|-----------------------|-------|
| | LOQ vdqq | 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 | 3.1 | 9.0 | 1.1 | 3.1 | 1.1 | 3.2 |
| 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 | 2.2 | 8.0 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |

```
Version 1.001
```



| | Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|----------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | |

TO15 List

| Galson ID: Client ID: | | | | L545987-7 LC-MULTI | | L545987-8 LC-CLASS 106 | | -9 A |
|---------------------------|-------------|--------------|-------|-----------------------|-------|---------------------------|-------|---------|
| | LOQ vdqq | 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 | 0.90 | 3.6 | <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: r | mod. OSHA PV2120/mod. EPA TO15; GC/MS | | Supervisor: BLD |
|----------------------|---------------------------------------|-------------------|-----------------|
| Collection Media : N | Mini Can | Approved by : BLD | |
| Submitted by : S | SAP | Date : 22-SEP-21 | |



| | Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|----------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | |

TO15 List

| Galson ID: Client ID: | | | | L545987-7 LC-MULTI | | L545987-8 LC-CLASS 106 | | -9 A |
|---------------------------|-------------|--------------|-------|-----------------------|-------|---------------------------|-------|---------|
| | 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 | 2.3 | 9.9 | <0.80 | <3.5 | 1.7 | 7.4 |
| m & p-Xylene | 1.6 | 6.9 | 8.9 | 39 | 1.9 | 8.2 | 6.2 | 27 |
| 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 | 2.0 | 8.6 | <0.80 | <3.5 | 1.4 | 6.0 |
| 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 Metho | od: mod. OSHA PV2120/mod. EPA TO15; GC/MS | Supervisor: BLD | |
|------------------|---|-------------------|--|
| Collection Media | a : Mini Can | Approved by : BLD | |
| Submitted by | : SAP | Date : 22-SEP-21 | |



| | Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|----------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | |

TO15 List

| Galson ID: Client ID: | | | | L545987-7 LC-MULTI | | L545987-8 LC-CLASS 106 | | L545987-9 LC-MEDIA | |
|--------------------------|-------------|--------------|-------|-----------------------|-------|---------------------------|-------|-----------------------|--|
| | 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | | | | L545987-11 LC-OFFICE | | L545987-12 LC-CLASS 200 | |
|--------------------------|-------------|--------------|-------|-------|-------|-------------------------|-------|----------------------------|--|
| | 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 | 0.90 | 1.8 | 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 | |
| Jinyl Chloride | 0.80 | 2.0 | <0.80 | <2.0 | <0.80 | <2.0 | <0.80 | <2.0 | |
| L,3-Butadiene | 0.80 | 1.8 | <0.80 | <1.8 | <0.80 | <1.8 | <0.80 | <1.8 | |
| n-Butane | 0.80 | 1.9 | 2.3 | 5.4 | 1.4 | 3.4 | 0.90 | 2.1 | |
| 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 | 8.1 | 19 | 8.3 | 20 | 13 | 31 | |

| Analytical Method: Mod. OSHA PV2120/MOd. EPA 1015/ GC/MS | Supervisor. BLD |
|--|-------------------|
| Collection Media : Mini Can | Approved by : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | | L545987-10 L545987-11 LC-ENTRANCE LC-OFFICE | | | L L545987-12 LC-CLASS 200 | | |
|--------------------------|-------------|--------------|-------|--|-------|-------|------------------------------|-------|--|
| | 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 | 15 | 37 | 15 | 37 | 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 | 2.2 | 6.4 | 1.3 | 3.7 | 1.0 | 2.9 | |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

| Galson ID: Client ID: | | | | | | L545987-11 LC-OFFICE | | -12 S 200 |
|--------------------------|--------------|--------------|-------|-------|-------|-------------------------|-------|--------------|
| | LOQ | LOQ | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 |
| Methyl tert-Butyl Ether | ppbv 0.80 | ug/m3 2.9 | <0.80 | <2.9 | <0.80 | <2.9 | <0.80 | <2.9 |
| Vinyl Acetate | 0.80 | 2.9 | <0.80 | <2.9 | <0.80 | <2.9 | <0.80 | <2.8 |
| Methyl Ethyl Ketone | 0.80 | 2.4 | 1.1 | 3.3 | <0.80 | <2.4 | 1.0 | 3.0 |
| 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 | 3.0 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | Phase Separation Science, Inc. Account No.: 15354 | |
|-------------------------|---------------|---|--------|
| 6601 Kirkville Road | Site | LYLES CROUCH ES Login No. : L545987 | |
| East Syracuse, NY 13057 | Project No. | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | 01-SEP-21 Date Analyzed : 15-SEP-21 - 16-S | SEP-21 |
| FAX: (315) 437-0571 | Date Received | 08-SEP-21 Report ID : 1265083 | |

TO15 List

| Galson ID: Client ID: | | | | L545987-10 L545987-11 LC-ENTRANCE LC-OFFICE | | | L545987-12 LC-CLASS 200 | | |
|---------------------------|-------------|--------------|-------|--|-------|-------|----------------------------|-------|--|
| | 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 | 3.1 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | | L545987-10 L545987 LC-ENTRANCE LC-OFFI | | | | |
|---------------------------|-------------|--------------|-------|---|-------|-------|-------|-------|
| | 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 | 1.3 | 5.7 | 1.3 | 5.8 | 1.3 | 5.8 |
| m & p-Xylene | 1.6 | 6.9 | 4.6 | 20 | 4.8 | 21 | 4.8 | 21 |
| 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 | 1.0 | 4.4 | 0.90 | 4.1 | 1.1 | 4.6 |
| 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 b | by : BLD |
| Submitted by : SAP | Date | : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | | | | L545987-11 LC-OFFICE | | 7-12 SS 200 |
|--------------------------|-------------|--------------|-------|-------|-------|-------------------------|-------|----------------|
| | 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |

```
Version 1.001
```



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

Submitted by

: SAP

www.sgsgalson.com

| Galson ID: Client ID: | | | L545987 LC-CLAS | | | | L545987-15 LC-HALL 211 | | |
|--------------------------|-------------|--------------|--------------------|-------|-------|-------|---------------------------|-------|--|
| | 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 | 1.8 | 4.2 | 3.6 | 8.5 | 2.5 | 5.9 | |
| 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 | 9.9 | 23 | 12 | 29 | 11 | 27 | |

Date

: 22-SEP-21



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |

TO15 List

www.sgsgalson.com

| Galson ID: Client ID: | | | | L545987-13 LC-CLASS 206 | | L545987-14 LC-HALL 207 | | -15 211 |
|--------------------------|-------------|--------------|-------|----------------------------|-------|---------------------------|-------|------------|
| | 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 | 17 | 41 | 14 | 35 | 14 | 34 |
| Acrylonitrile | 0.80 | 1.7 | <0.80 | <1.7 | <0.80 | <1.7 | <0.80 | <1.7 |
| Pentane | 0.80 | 2.4 | 1.3 | 3.9 | 1.6 | 4.6 | 0.90 | 2.5 |
| 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 | 1.2 | 4.3 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | L545987 LC-CLAS | | L545987 LC-HALL | | L545987 LC-HALL | - |
|--------------------------|-------------|--------------|--------------------|-------|--------------------|-------|--------------------|-------|
| | 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 | 0.90 | 2.7 | 0.90 | 2.5 |
| 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 | 0.90 | 3.2 | <0.80 | <2.9 |
| Chloroform | 0.80 | 3.9 | 0.80 | 4.0 | <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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 1 | 5354 |
|-------------------------|---------------|---|--------------------------------|----------------|-------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L | 545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed | : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID | : 1265083 |

TO15 List

| Galson ID: Client ID: | | | | L545987-13 LC-CLASS 206 | | L545987-14 LC-HALL 207 | | 2-15 211 |
|---------------------------|-------------|--------------|-------|----------------------------|-------|---------------------------|-------|-------------|
| | 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 | 1.3 | 4.8 | 0.90 | 3.5 |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | L545987-13 LC-CLASS 206 | | L545987-14 LC-HALL 207 | | L545987-15 LC-HALL 211 | |
|---------------------------|-------------|--------------|----------------------------|-------|---------------------------|-------|---------------------------|-------|
| | 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 | 1.1 | 4.8 | <0.80 | <3.5 |
| m & p-Xylene | 1.6 | 6.9 | 2.0 | 8.7 | 3.3 | 14 | 2.6 | 11 |
| 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



| | Client | : | Phase Separation Science, Inc. | Account No.: 15354 |
|-------------------------|---------------|---|--------------------------------|---------------------------------------|
| 6601 Kirkville Road | Site | : | LYLES CROUCH ES | Login No. : L545987 |
| East Syracuse, NY 13057 | Project No. | : | CITY OF ALEXANDRIA | |
| (315) 432-5227 | Date Sampled | : | 01-SEP-21 | Date Analyzed : 15-SEP-21 - 16-SEP-21 |
| FAX: (315) 437-0571 | Date Received | : | 08-SEP-21 | Report ID : 1265083 |
| www.sgsgalson.com | | | | |

TO15 List

| Galson ID: Client ID: | | | L545987-13 LC-CLASS 206 | | L545987-14 LC-HALL 207 | | L545987-15 LC-HALL 211 | |
|--------------------------|-------------|--------------|----------------------------|-------|---------------------------|-------|---------------------------|-------|
| | 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 : BLD |
| Submitted by : SAP | Date : 22-SEP-21 |



LABORATORY FOOTNOTE REPORT

| | Client Name : | Phase Separation Science | e, Inc. |
|-------------------------|----------------|--------------------------|---------------------|
| | Site : | LYLES CROUCH ES | |
| | Project No. : | CITY OF ALEXANDRIA | |
| 6601 Kirkville Road | | | |
| East Syracuse, NY 13057 | Date Sampled : | 01-SEP-21 | Account No.: 15354 |
| (315) 432-5227 | Date Received: | 08-SEP-21 | Login No. : L545987 |
| FAX: (315) 437-0571 | Date Analyzed: | 15-SEP-21 - 16-SEP-21 | |
| www.sqsqalson.com | | | |
| | | | |

L545987 (Report ID: 1265083):

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)

L545987-1 (Report ID: 1265083):

Propylene results may be biased high due to co-elution with Propane.

L545987 (Report ID: 1265083):

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 | +/-13.1% | 102% |
| 1,1,2-Trichloroethane | +/-10.9% | 101% |
| 1,1-Dichloroethane | +/-13.1% | 99.7% |
| 1,1-Dichloroethene | +/-13.5% | 102% |
| 1,2,4-Trimethylbenzene | +/-14.6% | 108% |
| 1,2-Dibromoethane | +/-12.9% | 103% |
| 1,2-Dichlorobenzene | +/-12.2% | 105% |
| 1,2-Dichloroethane | +/-14.9% | 102% |
| 1,2-Dichloropropane | +/-13.1% | 99.7% |
| 1,3,5-Trimethylbenzene | +/-13.1% | 105% |
| 1,3-Dichlorobenzene | +/-12.3% | 104% |
| 1,4-Dichlorobenzene | +/-13.6% | 104% |
| 2,2,4-Trimethylpentane | +/-13.9% | 102% |
| 2-Chlorotoluene | +/-13.1% | 105% |
| 4-Ethyltoluene | +/-14% | 106% |
| Acrolein | +/-21.8% | 93.1% |
| Acrylonitrile | +/-16.9% | 100% |
| Allyl Chloride | +/-16.4% | 101% |
| Acetonitrile | +/-17.4% | 100% |
| Acetone | +/-15.4% | 102% |
| Bromodichloromethane | +/-11.3% | 103% |
| Bromoform | +/-14.1% | 107% |
| 1,3-Butadiene | +/-17.1% | 100% |
| n-Butane | +/-18.7% | 98% |
| Benzene | +/-11.6% | 100% |
| Benzyl Chloride | +/-15.6% | 113% |
| Carbon Disulfide | +/-12.7% | 99.7% |



LABORATORY FOOTNOTE REPORT

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

| Client Name | : | Phase Separation Science, Inc. |
|-------------|---|--------------------------------|
| Site | : | LYLES CROUCH ES |
| Project No. | : | CITY OF ALEXANDRIA |

| 13057 | Date Sampled : | 01-SEP-21 | Account No.: 15354 |
|-------|----------------|-----------------------|---------------------|
| | Date Received: | 08-SEP-21 | Login No. : L545987 |
| 571 | Date Analyzed: | 15-SEP-21 - 16-SEP-21 | |
| | | | |

| Carbon Tetrachloride | +/-13.4% | 104% |
|---------------------------|----------|-------|
| cis-1,2-Dichloroethylene | +/-13.7% | 101% |
| cis-1,3-Dichloropropene | +/-13.2% | 104% |
| Chlorobenzene | +/-12.4% | 100% |
| Dibromochloromethane | +/-12.9% | 105% |
| Chloroform | +/-11.8% | 100% |
| Cumene | +/-13.1% | 104% |
| Cyclohexane | +/-14.5% | 101% |
| 1,4-Dioxane | +/-13.3% | 104% |
| Ethyl Acetate | +/-16.2% | 102% |
| Ethylbenzene | +/-14% | 104% |
| Chloroethane | +/-19.3% | 99.3% |
| Ethyl Bromide | +/-11.2% | 100% |
| Freon-11 | +/-16.7% | 103% |
| Freon-113 | +/-11.3% | 99.9% |
| Freon-114 | +/-14.3% | 102% |
| Freon-12 | +/-14.8% | 104% |
| Heptane | +/-16.2% | 102% |
| Isopropyl Alcohol | +/-15.4% | 103% |
| 1,1,1-Trichloroethane | +/-13.1% | 103% |
| Bromomethane | +/-12.7% | 99.2% |
| Chloromethane | +/-17.5% | 98.6% |
| Methylene Chloride | +/-12.3% | 97.6% |
| Methyl Ethyl Ketone | +/-15.9% | 101% |
| Methyl Methacrylate | +/-15.2% | 104% |
| Methyl Isobutyl Ketone | +/-18.1% | 103% |
| Methyl Butyl Ketone | +/-18.8% | 107% |
| m & p-Xylene | +/-13.2% | 103% |
| Methyl tert-Butyl Ether | +/-14.6% | 102% |
| Naphthalene | +/-20.2% | 111% |
| Hexane | +/-15.2% | 100% |
| Nonane | +/-17.9% | 104% |
| n-Propylbenzene | +/-12.6% | 105% |
| o-Xylene | +/-13.2% | 104% |
| Propylene | +/-16.8% | 101% |
| Pentane | +/-18.7% | 99.1% |
| Styrene | +/-14.8% | 106% |
| Trichloroethylene | +/-11.1% | 102% |
| tert-Butyl Alcohol | +/-16.4% | 104% |
| Tetrachloroethylene | +/-12% | 102% |
| Tetrahydrofuran | +/-18.7% | 102% |
| Toluene | +/-14.3% | 102% |
| trans-1,2-Dichloroethene | +/-13.8% | 101% |
| trans-1,3-Dichloropropene | +/-13.7% | 106% |
| Vinyl Acetate | +/-17.1% | 102% |
| | ., 1,.10 | 1020 |



LABORATORY FOOTNOTE REPORT

| | Client Name : Phase Site : LYLES Project No. : CITY | | |
|-------------------------|---|------------------|---------------|
| 6601 Kirkville Road | | | |
| East Syracuse, NY 13057 | Date Sampled : 01-SE | P-21 Account | t No.: 15354 |
| (315) 432-5227 | Date Received: 08-SE | P-21 Login I | No. : L545987 |
| FAX: (315) 437-0571 | Date Analyzed: 15-SE | P-21 - 16-SEP-21 | |
| www.sgsgalson.com | | | |
| | | | |

Vinyl Bromide Vinyl Chloride 102% 100%

+/-14.5%

+/-15.2%

| | 13E40165585972 | 154598 | 37 | | | | | | |
|----------------|--|-------------------------|---|---|---|---|--------------------|-------------------------|--|
| Ship Init | :09/08/21 5er:UPS ials:BGF | New Clien | | hase Separation S 530 Baltimore Nati | | Invoice T | o*∶ <u>Phase S</u> | eparation Sc | ience |
| Prep | : UNKNOWN | Client Account | - 177 | altimore, MD 2122 | | | | ···· | |
| :e:09 ipper | | 57 27) WIVE | Phone No.* : 41 Cell No. : | | · · · · · · · · · · · · · · · · · · · | Em | | 770)phaseonline.cor | n |
| | 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 Jknoljn | cavt | Email Results to : <u>Ar</u> Email address <u>: re</u> | nber Conter porting@phaseonI | ine.com | P.O. N Credit Ca | rd : Card on F | ile Call for Cr | edit Card Info. |
| ı | - |) | \checkmark | Samples submitted us | ing the FreePumpLoan™ | Program Samples | submitted using th | ie FreeSamplingBadg | es™Program |
| | KIND Standard 0% | Site Name : Lyles | Crouch ES | Pi | roject : City of Alexa | ndria Sam | pled by : | | |
| F. F. | 4 Business Days 35% | Comments : | | | | | | | |
| - | 3 Business Days 50% | _ | | | | | | • | |
| | 2 Business Days 75% | List description of in- | duater or Process/interf | erences present in same | -11 | C | | | |
| ŀ | Next Day by Noon. 150% | | dustry of Process/Intern | erences present in samp | bling area : | State samples were collected in (e.g., NY) | · · | which OEL this data w | Ill be used for : |
| ŀ | Same Day 200% | | | | | VA | | Other (specify): | |
| | Sample Identification* (Maxmium of 20 Characters) | Date Sampled | Collection Medium | Sample Volume Sample Time Sample Ar <u>ea</u> * | Sample Units*: - 1, ml,min,in2,cm2,ft2 | Analysis Requ | ested* | Method Reference | Hexavalent Chromiur Process (e.g., welding plating, painting, etc. |
| Ī | LC-Class 001 | 09/01/21 | Canister | 11 | ug/m^3 | voc | | TO-15 (list) | provide point (1) (1) |
| ſ | LC-Cafe | 09/01/21 | Canister | 1L | ug/m^3 | voc | · | TO-15 (list) | |
| = | LC-Class 010 | 09/01/21 | Canister | 1L | ug/m^3 | voc | | TO-15 (list) | |
| 12/2/1 | LC-Class 114 | 09/01/21 | Canister | 1L | ug/m^3 | voc | | TO-15 (list) | |
| | LC-Class 111 | 09/01/21 | Canister | 1L | ug/m^3 | voc | · · · · · | TO-15 (list) | |
| 1261 | LC- Class 117 "Hall 117 | " 09/01/21 | Canister | 1L | ug/m^3 | voc | <u></u> | TO-15 (list) | |
| ¥= | LC-Multi | 09/01/21 | Canister | 1L | ug/m^3 | voc | <u></u> | TO-15 (list) | |
| ŀ | LC-Class 106 | 09/01/21 | Canister | 1L | ug/m^3 | voc | | TO-15 (list) | |
| ľ | LC-Media | 09/01/21 | Canister | 1L | ug/m^3 | voc | <u> </u> | TO-15 (list) | <u>+</u> |
| ŀ | LC-Entrance | 09/01/21 | Canister | 1L | ug/m^3 | VOC | | TO-15 (list) | |
| ŀ | LC-Office | 09/01/21 | Canister | 1L | ug/m^3 | voc | ' | TO-15 (list) | - |
| ŀ | ^Galson Laboratories will subsititute | | | 1 | 1.0 | | s) listed on COC | | J |
| ŀ | For metals analysis: if requesting an a | | | | | | | | |
| ľ | For crystalline silica: form(s) of silica n | | | | | | | <u></u> | |
| F | Chain of Custody | Print Name/Signature | | Date Time | | Print Nam | e/Signature | Di | ate Time |
| | Relinquished by : | Wm Amber | ·L confer al 7 | 2 | Received by : | ups | | · ~ . | |
| - F | | | | | | | her But) | hunit - Jische | |

| e:09/08/21 oper:UPS tials:BGF p:UNKNOWN | | New Client | | Phase Sep 6630 Baltir Baltimore, | nore Natio | onal Pike | Invo | ^{ice To*} : <u>Phase S</u> | Separatio | on Scie | nce | |
|--|---------------------------|--------------------------|------------------------|--|------------------------------------|---|-----------------------------|--|------------------|-------------------------|--|-------------|
| East Syrac Tel: (315) | use, NY 13057 132-5227 | | Phone No.* Cell No. | 410-747-87 | 70 | | Pho | one No.: 410-747-8 | | • | | |
| 888-43 | 32-LABS (5227) |) | Email Results to | | | | | Email : <u>invoicing(</u> .O. No. : | <u>uphaseonl</u> | ine.com | | |
| www.sgsg | alson.com | | Email address | | | | | it Card : Card on I | | -11 (| | |
| | | | | reportingle | phaseonin | 10.0011 | | | | an for creat | | .0. |
| Need Results By: | (surcharge) | 1 | | Samples s | ubmitted usir | ng the FreePumpLoan™ | Program Sam | ples submitted using t | he FreeSamp | lingBadges ¹ | [™] Program | n |
| Standard | 0% | Site Name : Lyles (| Crouch ES | | Pro | oject : City of Alexa | ndria | Sampled by : | | | 10 | |
| 4 Business Days | 35% | Comments : | | | | | | | | | | |
| 3 Business Days | 50% | × 10 " | Hall 20 | コ " | BGF | 9]\$121 | | | | | | |
| 2 Business Days | 75% | | | | | • | | | | | | |
| Next Day by 6pm | 100% | List description of ind | ustry or Process/ir | iterferences pre | sent in sampl | ing area _s : | State samples were | Please indicate | | | _ | |
| Next Day by Noon | 150% | | | | | | collected in (e.g., NY) | | | • | Cal OS | SHA |
| Same Day | 200% | | r | | | | VA | MSHA | Other (s | | | |
| Sample Identif (Maxmium of 20 C | | Date Sampled | Collection Med | ium Sam | le Volume ple Time ple Area* | Sample Units*: - L, ml,min,in2,cm2,ft2 | Analysis | Requested* | Method Re | ference^ | Hexavalent Process (e.ç plating, pai | .g., weldir |
| LC-Class 200 | | 09/01/21 | Canister | | | ug/m^3 | voc | | TO-15 (I | ist) | | |
| LC-Class 206 | | 09/01/21 | Canister | 1L | | ug/m^3 | voc | | TO-15 (I | ist) | | |
| LC-Class 2027 Q7 | 19n14 | 09/01/21 | Canister | 1L | | ug/m^3 | voc | _ | TO-15 (l | ist) | | |
| LC-Class 211 | | 09/01/21 | Canister | 1L | | ug/m^3 | voc | | TO-15 (I | ist) | | |
| | | | | | | ug/m^3 | voc | | TO-15 (I | ist) | | |
| | | | | | | ug/m^3 | voc | <u></u> | TO-15 (I | ist) | | |
| | | | | | | ug/m^3 | voc | | TO-15 (I | ist) | | , <u>.</u> |
| | | | | | | ug/m^3 | voc | | TO-15 (I | ist) | <u>, 1910</u> | |
| ······ | | | | | | ug/m^3 | voc | | TO-15 (li | ist) | | |
| | | | | | | ug/m^3 | voc | | TO-15 (I | ist) | | |
| | | | | | | ug/m^3 | voc | | TO-15 (II | ist) | | |
| ^Galson Laboratories wi | Il subsititute ou | r routine/preferred meth | L | atch the metho | d listed on th | e COC unless this box is | s checked: 🔽 Use met | hod(s) listed on COC | · | , | <u>-</u> | |
| For metals analysis: if re | | | | | | | | | | | | |
| For crystalline silica: for | | | • | | | | o tor cortain analytes - Se | | | | | name t |
| Chain of Custody | | int Name/Signature | | Date | Time | · · · · · · | Print | Name/Signature | | Date | | Time |
| Relinguished by : | | | | Duto | | Received by : | | | | | | |
| Relinguished by : | | | | | + | Received by : | Brett Grenert | B. tt | Bunut | Fischer | | 015 |

- -

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| TO MENTAL | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | |
|--|---|---------------------|-----------------|--------------------|--|------------------------|---|---------------------|--|--|--|
| Phase Separation S 6630 Baltimore Na | | | |). No. : | 21090318 Lyles Crouch ES | SGS | les Transferred To: North America - NY | | | | |
| Baltimore, MD 21228 | | | | ect Location | - Lyles crouen ES | | 6601 Kirkville Road | | | | |
| Phone: (410) 747- | | | Proj | ect Number | : 4920002 | East | East Syracuse, NY 13057 | | | | |
| Fax: (410) 788-8723 Report To LOD : No | | |): No | — Old S Phon | SGS Galson Labs. b e : | sc | | | | | |
| For Questions o | r issues please contact: Am | iber Confer | | Report I | Due On :09/15/21 05:00 | | 315-432-5227 | | | | |
| Lab Sample ID | Field Sample ID | Date Sampled | Time Sampled | Matrix | Analyses Required | Method | Type of Container | Preservative | | | |
| 21090318-001 | LC-Class 001 | 09/01/21 | 18:45 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-002 | LC-Cafe | 09/01/21 | 18:41 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-003 | LC-Class 010 | 09/01/21 | 18:39 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-004 | LC-Class 114 | 09/01/21 | 18:48 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-005 | LC-Class 111 | 09/01/21 | 18:51 | Air | VOCs in Air by GC/MS-(subbed) | TO-15 | NONSC | NON | | | |
| 21090318-006 | LC-Class 117 | 09/01/21 | 18:52 | Air | VOCs-in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-007 | LC-Multi | 09/01/21 | 18:56 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-008 | LC-Class 106 | 09/01/21 | 19:08 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-009 | LC-Media | 09/01/21 | 18:54 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-010 | LC-Entrance | 09/01/21 | 18:58 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| ¥21090318-011 | LC-Office | 09/01/21 | 19:09 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| * ²¹⁰⁹⁰³¹⁸⁻⁰¹² | LC-Class 200 | 09/01/21 | 19:12 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-013 | LC-Class 206 | 09/01/21 | 19:14 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-014 | LC-Hall 208 7 napri | U 09/01/21 | 19:19 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| 21090318-015 | LC-Class 211 | 09/01/21 | 19:16 | Air | VOCs in Air by GC/MS (subbed) | TO-15 | NONSC | NON | | | |
| Sand Dana | Data Deliverables Required: COA Perform Q.C. on Sample: Send Report Attn: reporting@phaseonline.com Airbill No.: Carrier: UPS (3 boxes) | | | | | | | | | | |
| Condition Upon R | | | | | | | | | | | |
| Comments : | * Flow contro | sllers 1 | - | cluded | with sphipment | | · · · · · | t | | | |
| Samples Relinquis | hed By : Mar W | ► Date : <u>9</u> 7 | 121 | Time: | Samples Received By : Brett Gre | enert-Fischer BM | Junur - JAA | 9/8/21 | | | |
| Samples Relinquis | hed By: | _ Date : | | Гіте : | Samples Received By: | 10.10 | | -1 v / + (| | | |
| Samples Relinquis | hed By: | PaDate: | ige 39 of 39 |) Report | Reference:2 Generated:22-SEP-21 _ Samples Received By: Page 42 of 47 | 13:13 Version 1.001 | | | | | |

| PHASE | |
|--------------------|--|
| S EPARATION | |
| SCIENCE | |

Case Narrative

Project Name:ACPS IAQ TestingPSS Project No.:21090318

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:

Soil gas/indoor air not indicated on COC; samples are indoor air. Incoming pressures not taken upon receipt. Pressures will be taken at subcontracting lab. Sample 014 labeled as "Hall 207"; logged in according to canister label.

21090318: 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 | Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton | | | | | | PSS Work Order #: PAGE 1OF 2 | | | | | | | | | |
|---|---|------------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|--------------------------------------|-----------------------------|---|---|---|--------------------|--------------------|-----------------|---------|------------------------|
| | | _{ст мgr:} Karl Ford | UFF | ICE LOC | | | 21090318 | | | | | | | | | 12- |
| - | EMAIL: kford@teci.pro *PHONE NO: (703) 567-4346 | | | | | | | | | | | | | | | |
| | | CT NAME: ACPS IAQ te | | | , _{0.:} 4920002 | | * 3 | | * | * | er ab | * qı | \ir * | | | |
| - | PROJE | CT NAME. Lyles Crouch | ES | | 0 | | | D. | essur) Star | essur) Stop | aniste Hg) Lá | Subslab | ient A | List | | |
| | SITE LO | R(S): Channing Jacl | kson De | P.O. NO.: rrick Johi | nson | | * | Sample Reg. ID | ter Pr d ("Hg | ter Pr d ("Hg | ure (" | as / S | Indoor/Ambient Air | TO-15 Full List | al List | |
| 2 | SAMPLE | *SAMPLE IDENTIFICATION | *DATE START | *Time Start (24hr clock) | *DATE STOP | *Time Stop (24hr clock) | Can ID | Samp | Canister Pressure * in field ("Hg) Start | Canister Pressure [*] in field ("Hg) Stop | Incoming Canister Pressure ("Hg) Lab | Soil Gas / S | Indoo | T0-1(| Special | REMARKS |
| Ĭ | | LC - Class 001 | 9/1/21 | 15:15 | 9/1/21 | 18:45 | 2376 | 4315 | 4 | 4 | 01 m | | | ~ | | No change in pressure? |
| | 2 | LC - Cafe | 9/1/21 | 15:19 | 9/1/21 | 18:41 | 1353 | 10148 | 30+ | 12.5 | | | | ~ | | |
| | 3 | LC - Class 010 | 9/1/21 | 15:22 | 9/1/21 | 18:39 | 1488 | 6720 | 30 | 8 | | | | ~ | | |
| | 4 | LC - Class 114 | 9/1/21 | 15:27 | 9/1/21 | 18:48 | 1301 | 12756 | 31 | 12 | | | | ~ | | |
| | 5 | LC - Class 111 | 9/1/21 | 15:29 | 9/1/21 | 18:51 | 1410 | 10154 | 28 | 7 | | | | ~ | | |
| | e | LC - Class 117 | 9/1/21 | 15:31 | 9/1/21 | 18:52 | WA617 | 4342 | 28 | 8 | | | | ~ | | |
| | 7 | LC - Multi | 9/1/21 | 15:32 | 9/1/21 | 18:56 | WA611 | 6818 | 30+ | 10 | | | | ~ | | |
| | 8 | LC - Class 106 | 9/1/21 | 15:35 | 9/1/21 | 19:08 | 1415 | 4374 | 27 | 1 | | | | ~ | | |
| | 9 | LC - Media | 9/1/21 | 15:37 | 9/1/21 | 18:54 | WA427 | 10136 | 27 | 3 | | | | ~ | | |
| | 10 | LC - Entrance | 9/1/21 | 15:38 | 9/1/21 | 18:58 | WA583 | 11477 | 29 | 6 | | | | ~ | | |
| 5 | A | ished By: (1) | Date 9/2/21 | Time 13:00 | Received By: | Johnso | | 4 ×Reque 5-Day Next [| | 「(One TA 3-Day Emerg | AT per CO ency | C) 2-Da Othe | - | | | Carrier: Cr + |
| | Relinguished By: (2) Date | | Date 32 9/2/11 Date | Time | Received By: | >/1 | | ata Deliverabl | es Requi | ired: | | | | | | |
| | Relinquished By: (3) Date Time Received By: | | | | s | pecial Instruc | tions: | | | | | | | | | |
| | Relinqu | ished By: (4) | Date | Time | Received By: | | | | | | | | | | | |

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

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

www.phaseonline.com

PHASE SEPARATION SCIENCE, INC.

email: info@phaseonline.com

| | Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton | | | | | | PSS Work Order #: PAGE 2 | | | | OF | 2 | | | | |
|---|---|--|---------------------|-----------------------------|------------------------|----------------------------|--------------------------|---------------------------|---|--|---|--------------------|----------------------|-----------------|-----------|-------------------|
| | | CT MGR: Karl Ford | | | | | 2 | 2/090318 | | | | | | | | |
| | | kford@teci.pro *PHONE NO: (703) 567-4346 | | | | | | | | | | | | | | |
| | | CT NAME: ACPS IAQ te | | | _{o.:} 4920002 | | * 3 | * | ч * | ۽ * | er -ab | ab * | Air * | | | |
| | SITELO | CATION: Lyles Crouch | ES | P.O. NO.: | | | 1 | g. D | ressu g) Sta | ressu g) Sto | Canist "Hg) L | Subsl | bient | List | st. | |
| ľ | SAMPLE | R(S): Channing Jack | kson, Dei | | nson | | Can ID * | Sample Reg. ID | Canister Pressure in field ("Hg) Start | Canister Pressure in field ("Hg) Stop | Incoming Canister Pressure ("Hg) Lab | Soil Gas / Subslab | Indoor/Ambient Air * | TO-15 Full List | cial List | |
| 2 | LAB # | *SAMPLE IDENTIFICATION | *DATE START | *Time Start (24hr clock) | *DATE STOP | *Time Stop (24hr clock) | Can | Sam | Can in fie | Can in fie | Inco Pres | Soil | Indo | To | Special | REMARKS |
| T | 11 | LC - Office | 9/1/21 | 15:40 | 9/1/21 | 19:09 | WA061 | 4599 | 23 | 7.5 | | | | ~ | | |
| | 12 | LC - Class 200 | 9/1/21 | 15:42 | 9/1/21 | 19:12 | 1515 | 10151 | 29 | 8.5 | - | | | ~ | | |
| | 13 | LC - Class 206 | 9/1/21 | 15:43 | 9/1/21 | 19:14 | WA860 |) 10733 | 30 | 11.0 | | | | ~ | | |
| ľ | 14 | LC - Hall 202 | 9/1/21 | 15:44 | 9/1/21 | 19:19 | WA588 | 8 WR556 | 21 | 3.0 | | | | ~ | | |
| | 15 | LC - Class 211 | 9/1/21 | 15:45 | 9/1/21 | 19:16 | WA444 | 7449 | 30+ | 13.0 | | | | ~ | | |
| | | | | | | | | | | | | | | ~ | | |
| | | | | | | | | | | | 5 | | Ц | ~ | | |
| | | | | | | | | | | | | | | ~ | | |
| | | | | | | | | | | | | | | ~ | | |
| I | | | | | | | | | | | | | | ~ | | |
| 5 | | ished By: (1) | Date 9/2/21 | Time 13:00 | Received By: | K John | | 4 4 5-Day Next I | | T (One T 3-Day Emerg | | C) 2-Da Othe | - | | | Carrier: KL +- |
| | Relinquished By: (2) Devici (K Johnson | | Date 3 2- 9 2 21 | Time | Received By: | | | Data Deliverab | | | | | | | | |
| | Relinquished By: (3) Date Time Received By: | | | | : | Special Instruc | tions: | | | | | | | | | |
| | Relinquished By: (4) | | Date | Time | Received By: | | | | | | | | | | | |

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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

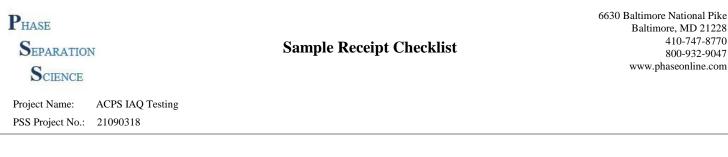


SCIENCE

Project Name: ACPS IAQ Testing PSS Project No.: 21090318

| • ••••••• | | | | |
|------------------|---------------------------------------|----------|---------------|-----------------------------------|
| Client Name | Total Environmental Concepts - | - Lorto | Received By | Thomas Wingate |
| Disposal Date | 10/07/2021 | | Date Received | 09/02/2021 05:15:00 PM |
| | | | Delivered By | Client |
| | | | Tracking No | Not Applicable |
| | | | Logged In By | Amber Confer |
| Shipping Contai | iner(s) | | | |
| No. of Coolers | 0 | | | |
| | | | Ice | N/A |
| Custody Seal(s | s) Intact? | N/A | Temp (deg | C) |
| Seal(s) Signed | / Dated? | N/A | Temp Blan | k Present No |
| Documentation | | | Sampler Na | ame <u>C. Jackson, D. Johnson</u> |
| COC agrees w | ith sample labels? | Yes | MD DW Ce | ert. No. N/A |
| Chain of Custo | dy | Yes | | |
| Sample Contain | er | | Custody Se | al(s) Intact? Not Applicable |
| Appropriate for | Specified Analysis? | Yes | Seal(s) Sig | ned / Dated Not Applicable |
| Intact? | | Yes | | neu / Batea - Not Applicable |
| Labeled and La | abels Legible? | Yes | | |
| Holding Time | | | Total No. o | f Samples Received 15 |
| All Samples Re | eceived Within Holding Time(s)? | Yes | Total No. o | f Containers Received 15 |
| Preservation | | | | |
| Total Metals | | | (p | H<2) N/A |
| Dissolved Meta | als, filtered within 15 minutes of co | ollectic | on (p | H<2) N/A |
| Orthophosphor | rus, filtered within 15 minutes of c | ollectio | on | N/A |
| Cyanides | | | (p | H>12) N/A |
| Sulfide | | | (p | H>9) N/A |
| TOC, DOC (fie | ld filtered), COD, Phenols | | (p | H<2) N/A |
| TOX, TKN, NH | 3, Total Phos | | (p | H<2) N/A |
| VOC, BTEX (V | OA Vials Rcvd Preserved) | | (p | H<2) N/A |
| Do VOA vials h | nave zero headspace? | | | N/A |
| 624 VOC (Rcvo | d at least one unpreserved VOA | vial) | | N/A |
| 524 VOC (Rcv | d with trip blanks) | | (p | H<2) N/A |

Sample Receipt Checklist



| Client Name | Total Environmental Concepts - Lorto | Received By | Thomas Wingate |
|---------------|--------------------------------------|---------------|------------------------|
| Disposal Date | 10/07/2021 | Date Received | 09/02/2021 05:15:00 PM |
| | | Delivered By | Client |
| | | Tracking No | Not Applicable |
| | | Logged In By | Amber Confer |

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.

Soil gas/indoor air not indicated on COC; samples are indoor air. Incoming pressures not taken upon receipt. Pressures will be taken at subcontracting lab. Sample 014 labeled as "Hall 207"; logged in according to canister label.

Date: 09/07/2021

PM Review and Approval: NY Jackson

Date: 09/07/2021



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

www.phaseonline.com

PHASE SEPARATION SCIENCE, INC.

email: info@phaseonline.com

| | *CLIENT | T: CT MGR: | *0FF | TICE LOC.: | | | PSS Work | Order #: | | | PAGE _ | | OF | | | |
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| | EMAIL: *PROJE | CT NAME: | | *PHONE NO: (PROJECT NO P.O. NO.: | 0.: | | Can ID * | Sample Reg. ID * | Canister Pressure * in field ("Hg) Start | Canister Pressure * in field ("Hg) Stop | Incoming Canister Pressure ("Hg) Lab | Soil Gas / Subslab * | Indoor/Ambient Air * | TO-15 Full List | Special List | |
| 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 | uished By: (3) | Date | Time | Received By: | | ະ | Special Instruct | tions: | | | | | | | |
| | Relinqu | uished By: (4) | Date | Time | Received By: | | | | | | | | | | | |

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

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 | T: CT MGR: | *0FF | TICE LOC.: | | | PSS Work | Order #: | | | PAGE _ | | OF | | | |
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| | EMAIL: *PROJE | CT NAME: | | *PHONE NO: (PROJECT NO P.O. NO.: | 0.: | | Can ID * | Sample Reg. ID * | Canister Pressure * in field ("Hg) Start | Canister Pressure * in field ("Hg) Stop | Incoming Canister Pressure ("Hg) Lab | Soil Gas / Subslab * | Indoor/Ambient Air * | TO-15 Full List | Special List | |
| 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 | uished By: (2) | Date | Time | Received By: | | C | Data Deliverabl | es Requi | ired: | | | <u>.</u> | | | |
| | Relinqu | uished By: (3) | Date | Time | Received By: | | ະ | Special Instruct | tions: | | | | | | | |
| | Relinqu | uished By: (4) | Date | Time | Received By: | | | | | | | | | | | |

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Appendix D: Formaldehyde Analytical Results



Project Name: ACPS IAQ Testing PSS Project No.: 21091316

September 21, 2021

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

Reference: PSS Project No: **21091316** Project Name: ACPS IAQ Testing Project Location: Lyles Crouch 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) **21091316**.

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 18, 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.: 21091316

Project ID: 4920002

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/13/2021 at 12:42 pm

| PSS Sample ID | Sample ID | Matrix | Date/Time Collected |
|---------------|------------------|--------|---------------------|
| 21091316-001 | LC 001 | AIR | 09/08/21 00:00 |
| 21091316-002 | LC Cafe | AIR | 09/08/21 00:00 |
| 21091316-003 | LC 010 | AIR | 09/08/21 00:00 |
| 21091316-004 | LC 114 | AIR | 09/08/21 00:00 |
| 21091316-005 | LC 111 | AIR | 09/08/21 00:00 |
| 21091316-006 | LC Hall 117 | AIR | 09/08/21 00:00 |
| 21091316-007 | LC Multi Purpose | AIR | 09/08/21 00:00 |
| 21091316-008 | LC 106 | AIR | 09/08/21 00:00 |
| 21091316-009 | LC Library | AIR | 09/08/21 00:00 |
| 21091316-010 | LC Lobby | AIR | 09/08/21 00:00 |
| 21091316-011 | LC Office | AIR | 09/08/21 00:00 |
| 21091316-012 | LC 200 | AIR | 09/08/21 00:00 |
| 21091316-013 | LC 206 | AIR | 09/08/21 00:00 |
| 21091316-014 | LC Hall 215 | AIR | 09/08/21 00:00 |
| 21091316-015 | LC 211 | AIR | 09/08/21 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.: 21091316

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 21, 2021

Account# 15354

Login# L546492

Dear Amber Confer:

Enclosed are the analytical results for the samples received by our laboratory on September 14, 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 | mg - Milligrams | MDL - Method Detection Limit | ppb - Parts per Billion |
|-----------------------------|--------------------------|------------------------------|-------------------------|
| > - Greater than | ug - Micrograms | NA - Not Applicable | ppm - Parts per Million |
| I - 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 | : | LYLES CROUCH | Login No. : L546492 | |
| Project No. | : | ACPS IAQ TESTING - 4920002 | | |
| Date Sampled | : | 08-SEP-21 | Date Analyzed : 15-SEP-21 | |
| Date Received | : | 14-SEP-21 | Report ID : 1265200 | |
| | | | | |

Formaldehyde

| | | Time | Total | Conc | |
|------------------|---------------|---------|-------|-------|-------|
| Sample ID | <u>Lab ID</u> | minutes | uq | mg/m3 | mqq |
| | | | | | |
| LC 001 | L546492-1 | 236 | <0.4 | <0.01 | <0.01 |
| LC CAFE | L546492-2 | 238 | <0.4 | <0.01 | <0.01 |
| LC 010 | L546492-3 | 236 | <0.4 | <0.01 | <0.01 |
| LC 114 | L546492-4 | 236 | <0.4 | <0.01 | <0.01 |
| LC 111 | L546492-5 | 239 | <0.4 | <0.01 | <0.01 |
| LC HALL 117 | L546492-6 | 241 | <0.4 | <0.01 | <0.01 |
| LC MULTI PURPOSE | L546492-7 | 236 | <0.4 | <0.01 | <0.01 |
| LC 106 | L546492-8 | 227 | <0.4 | <0.01 | <0.01 |
| LC LIBRARY | L546492-9 | 249 | <0.4 | <0.01 | <0.01 |
| LC LOBBY | L546492-10 | 235 | <0.4 | <0.01 | <0.01 |
| LC OFFICE | L546492-11 | 231 | <0.4 | <0.01 | <0.01 |
| LC 200 | L546492-12 | 238 | <0.4 | <0.01 | <0.01 |
| LC 206 | L546492-13 | 236 | <0.4 | <0.01 | <0.01 |
| LC HALL 215 | L546492-14 | 236 | <0.4 | <0.01 | <0.01 |
| LC 211 | L546492-15 | 236 | <0.4 | <0.01 | <0.01 |
| | | | | | |

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

| Level of Quantitation: 0.4 ug | Submitted by: JLL | Approved by: NKP |
|---|--------------------------------------|------------------|
| Analytical Method : mod. OSHA 1007; HPLC/UV Collection Media : Assay 581 | Date : 21-SEP-21 Supervisor : MWJ | |
| COTTection Media · Assay 561 | Supervisor · MWJ | |



LABORATORY FOOTNOTE REPORT

| | Client Name : Phase Separation Science, Inc. |
|-------------------------|--|
| | Site : LYLES CROUCH |
| | Project No. : ACPS IAQ TESTING - 4920002 |
| 6601 Kirkville Road | |
| East Syracuse, NY 13057 | Date Sampled : 08-SEP-21 Account No.: 15354 |
| (315) 432-5227 | Date Received: 14-SEP-21 Login No. : L546492 |
| FAX: (315) 437-0571 | Date Analyzed: 15-SEP-21 |
| www.sgsgalson.com | |
| | |

L546492 (Report ID: 1265200):

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)

L546492 (Report ID: 1265200):

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
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| SGS GALSON | New Client? | Report To* : Ph 66 | | aration Sc nore Natio | | Invoice Te | o*∶ <u>Phase S</u> | eparation Scie | ence | |
|--|--------------------------|--------------------------------------|---------------------|------------------------------------|---|--|--|-------------------------|--|--|
| | Client Account N | o.*: Ba | altimore, I | MD 21228 | | | | | • | |
| 6601 Kirkville Rd | - | | | | · · · · · · · · · · · · · · · · · · · | Phone M | | 770 | •••••••••••••••••••••••••••••••••••••• | |
| East Syracuse, NY 13057 Tel: (315) 432-5227 | | Phone No.* : <u>41</u> Cell No. : | 0-747-87 | /0 | | | lo.: <u>410-747-87</u> ail : invoicing@ | phaseonline.com | | |
| 888-432-LABS (5227) |) Er | nail Results to : An | nher Conf | for | | | o.: <u>ODC 4920</u> | | I | |
| www.sgsgalson.com | | Email address: روْر | • | | e.com | | | le Call for Cre | dit Card Info. | |
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| Need Results By: (surcharge) | | | Samples su | | g the FreePumpLoan™ | | ubmitted using th | e FreeSamplingBadge | es Program | |
| Standard 0% | s Crouch | <u></u> | Pro | ject : ACPS IAQ te | sting - 4920002 Samp | oled by: Karl F | ord | | | |
| 4 Business Days 35% | Comments : | | | | | | | | | |
| 3 Business Days 50% | Dosimeter cartrig | ge # noted in th | e (Hexav | elent Chro | omium Process) o | olum | | | | |
| 2 Business Days 75% Next Day by 6pm 100% | List description of indu | stry or Process/interf | erences pres | sent in sampli | ng area : | State samples were | Please indicate w | /hich OEL this data wi | Il be used for : | |
| Next Day by Noon 150% | 1 | | p | | | | | | Cal OSHA | |
| Same Day 200% | Public grade so | chool building | | | | VA | MSHA | Other (specify): | | |
| Sample Identification* (Maxmium of 20 Characters) | Date Sampled | Collection Medium | Sam | le Volume ple Time ple Area* | Sample Units*: L, ml,min,in2,cm2,ft2 | Analysis Reque | ested* | Method Reference^ | Hexavalent Chromiur Process (e.g., welding plating, painting, etc. | |
| C 001 | 09/08/21 | Assay N581 Aldehyde Badge | 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C Cafe | 09/08/21 | Assay N581 Aldehyde Badg | • 238 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C 010 | 09/08/21 | Assay N581 Aldehyde Badg | • 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C 114 | 09/08/21 | Assay N581 Aldehyde Badge | • 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | , | |
| C 111 | 09/08/21 | Assay N581 Aldehyde Badge | ^{idge} 239 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C Hall 117 | 09/08/21 | Assay N581 Aldehyde Badge | • 241 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C Multi Purpose | 09/08/21 | Assay N581 Aldehyde Badg | • 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C 106 | 09/08/21 | Assay N581 Aldehyde Badg | • 227 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| C Library | 09/08/21 | Assay N581 Aldehyde Badg | • 249 | | Min | Formaldehyde | mod. OSHA 1007: TPLC/UV | | | |
| C Lobby | 09/08/21 | Assay N581 Aldehyde Badg | • 235 | | Min | Formaldehyde | mod. OSHA 1007: TPLC/UV | | | |
| C Office | 09/08/21 | Assay N581 Aldehyde Badg | • 231 | | Min | Formaldehyde | | mod, OSHA 1007: TPLC/UV | | |
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| For metals analysis: if requesting an ana | | | | | | | | | | |
| For crystalline silica: form(s) of silica nee | | | | | | | | | | |
| Chain of Custody Print Name/Signature | | | Date | Time | | Print Nam | e/Signature | Da | ate Time | |
| elinquished by : Churit | lin | 9/1 | 0/21 | n:30 | Received by : | | | | | |
| elinquished by: Ted | Kraus | | 3/21 | 12:47 | | ane | 76m | 9/13 | | |
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| SGS | GALSON | New Client? | Report To* : P | hase Sepa 630 Baltim | aration Sc ore Natic | vience onal Pike | Invoice T | o* : Phase Se | eparation S | cience | |
| | | Client Account N | lo.*: B | altimore, i | 1D 21228 | 5 | | ······································ | | | |
| | rkville Rd | | - Phone No.* : 4 | 10 747 977 | | | Phone | No.: 410-747-87 | 770 | | |
| Tel: (31 | racuse, NY 13057 5) 432-5227 | | Cell No. : | 10-141-011 | <u> </u> | <u></u> | | ail : invoicing@ | | om | |
| 88 | 3-432-LABS (5227) | E | mail Results to : A | mber Conf | er | | | lo.: ODC 4920 | | | |
| www.s | gsgalson.com | | Email address: re | | | ie.com | Credit Ca | rd : 🗌 Card on Fi | le Call for | Credit Card I | nfo. |
| | · · · · · · · · · · · · · · · · · · · | | | Sempler ou | hmittad unir | ig the FreePumpLoan™ I | | submitted using th | e FreeSamplingBa | daes™Proar | am |
| Need Results By: | (surcharge) | | ······ | | | | | | | | |
| Stand | ard 0% | Site Name : | es cronc | <u> </u> | Pro | pject : ACPS IAQ te | sting - 4920002 Sam | pled by: Karl F | ord | | |
| 4 Business D | | Comments : | | | | • | | | | | |
| 3 Business D | | Dosimeter cartri | ge # noted in th | he (Hexav | elent Chr | omium Process) c | olum | | | | |
| 2 Business D Next Day by 6 | <u> </u> | List description of indu | etter of Process/inter | forances ores | ent in compl | | State samples were | Please indicate w | vhich OEL this data | will be used | for : |
| Next Day by 6 Next Day by Next | | • | | | an in sampi | nig area . | collected in (e.g., NY) | OSHA PEL | | Cal | |
|] Same [| | Public grade s | chool building | | | | VA MSHA Other (specify): | | | | |
| Sample Id | entification* 20 Characters) | Date Sampled | Collection Medium | n Samp | e Volume de Time le Area* | Sample Units*: L, ml,min,in2,cm2,ft2 | Analysis Requ | ested* | Method Referen | ce^ Process | ent Chromium (e.g., welding painting, etc.) |
| C 200 | | 09/08/21 | Assay N581 Aldehyde Bad | ge 238 | | Min | Formaldehyde | | mod. OSHA 1007: TPL | слих | |
| C 206 | | 09/08/21 | Assay N581 Aldehyde Bad | _{9⁰} 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPL | c/uv | |
| C Hall 215 | | 09/08/21 | Assay N581 Aldehyde Bad | ge 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPL | C/UV | |
| C 211 | | 09/08/21 | Assay N581 Aldehyde Bad | ge 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPL | C/UV | |
| <u>. </u> | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | | mod, OSHA 1007: TPL | C/UV | |
| | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | | mod. OSHA 1007: TPL | c/uv | |
| | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | | mod. OSHA 1007: TPL | c/uv | |
| | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | . <u></u> | mod. OSHA 1007: TPL | c/UV | |
| | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | | mod. OSHA 1007: TPL | CAUV | |
| | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | | mod. OSHA 1007: TPL | C/UV | |
| | | | Assay N581 Aldehyde Bad | ge | | Min | Formaldehyde | | mod, OSHA 1007: TPL | C/UV | |
| AGalson Laboratorie | s will subsititute our | routine/preferred meth | od if it does not mate | ch the method | l listed on th | e COC unless this box i | s checked: 🔽 Use method | (s) listed on COC | | | |
| For metals analysis: | if requesting an analy | rte with the option of a | lower LOQ, please in | ndicate if the I | ower LOQ is | required (only availabl | e for certain analytes - see S | AG): | w | | |
| For crystalline silica | form(s) of silica need | ed must be indicated (| Quartz, Cristobalite, | and/or Tridyn | nite)* : | · · · · · · · · · · · · · · · · · · · | | : | | | |
| hain of Custody | Prir | nt Name/Signature | | Date | Time | | Print Nan | ne/Signature | | Date | Time |
| elinquished by : | ang to | cr- | - 91 | 10/21 | 2120 | Received by : | <u> </u> | ~ 1 | | | 10.11 |
| lelinquished by : | Ted K | Faus | ٩/ | 13120 | 12.4 | Received by : | Merc | 2 an | | 13/2 | 1242 |
| | | * D | | | | will be considered as fields may result in a | next day's business delay in the samelas be Michelle Kersion | eina processed. | | Page_1 | of |
| | | | Page 6 | JT Y' Kep | ort Keter | ence T Generate | 0.21-SEP-21.08.46 | J | | | |



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

For Questions or issues please contact: Amber Confer

| W.O. No. : | 21091316 |
|------------------|--------------|
| Project Location | Lyles Crouch |

Project Number: 4920002

Report To LOD : No

Report Due On :09/21/21 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 all 581 Stalutz |
|------------------|--------------------|-----------------|-----------------|--------|--|---------|----------------------|---------------------------------|
| 21091316-001 | LC 001 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-002 | LC Cafe | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-003 | LC 010 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-004 | LC 114 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-005 | LC 111 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-006 | LC Hall 117 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-007 | LC Multi Purpose | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-008 | LC 106 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-009 | LC Library | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-010 | LC Lobby | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-011 | LC Office | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-012 | LC 200 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-013 | LC 206 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-014 | LC Hall 215 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |
| 21091316-015 | LC 211 | 09/08/21 | 00:00 | Air | Formaldehyde (mod. OSHA 1007; HPLC/UV) | VARIOUS | NONSC | NON |

Data Deliverables Required: COA

Send Report Attn : reporting@phaseonline.com

Perform Q.C. on Sample :

Send InvoiceAttn : <u>invoicing@phaseonline.com</u>

| Airbill No.: Carr Condition Upon Receipt : Comments : | rier : | 1Z2313E40166036170 Date:09/14/21 Shipper:UPS Initials:MAK |
|---|--|--|
| Samples Relinquished By : | Date : 9 13 2 Time: | |
| Samples Relinquished By: | Date : Time : Samples Received By: Page 7 of 7 Report Reference:1 Generated:21-SEP-21.08:46 | |
| Samples Relinquished By: | Date: Time: Samples Received By ichelle Krazse piece | relle Krause 9/14/21 0941 |

| PHASE |
|------------|
| SEPARATION |
| SCIENCE |
| |

Project Name:ACPS IAQ TestingPSS Project No.:21091316

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.

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

21091310

| (| SGS (| ALSON | New Client? | * : Pha | Phase Separation Science 6630 Baltimore National Pike | | | | Invoice T | ⁰*∶ <u>Phase S</u> | eparati | <u>on Scie</u> | nce | | |
|---------------------------------------|---|--|-------------------------|---|--|----------------------|----------------------|--------------------------|---|--------------------|---|---------------------------|---------------|-------------|--------------------------------|
| | | | Client Account I | No.*: | Ba | timore, I | MD 21228 | } | | | | | | | |
| | Tel: (315) 4 | use, NY 13057 132-5227 82-LABS (5227) | E | – Phone No Cell N Email Results f Email addre | o. : to : <u>Am</u> sss: <u>rep</u> | ber Conf orting@r | fer ohaseonlir | | | Ema P.O. N | lo.: <u>410-747-87</u> ail : <u>invoicing@</u> o. : <u>ODC 4920</u> rd : Card on Fil | <u>phaseon</u> 002-001 | lline.com | lit Card In | |
| | Need Results By: | (surcharge) | | | | Samples su | bmitted usin | g the FreePumpLoan™ | Program | Samples s | ubmitted using the | e FreeSam | plingBadges | ™ Progra | n |
| | Standard | 0% | Site Name : Ly 10 | is Crow | ch | | Pro | ject : ACPS IAQ te | sting - 492000 | 2 Samp | oled by: Karl Fo | ord | | | |
| | 4 Business Days | 35% | Comments : | | | | | | | | | | | | |
| | 3 Business Days | 50% | Dosimeter cartr | ige # noted | in the | e (Hexav | elent Chr | omium Process) o | colum | | | | | | |
| | 2 Business Days | 75% | | description of industry or Process/interferences present in sampling area : State samples were Please indicate which OEL this data will be used for a | | | | | | | | | | | |
| | Next Day by 6pm | | List description of ind | ustry or Process | /interfe | rences pres | ent in sampl | ing area : | State samples we collected in (e.g., | | | | | be used f | |
| | Next Day by Noon Same Day | Next Day by Noon 150% Public grade school building | | | | | | | | Other (| | | | | |
| Sample Identification* | | | | | ladium | | e Volume ole Time | Sample Units*: | Analysis Requested* | | | | leference^ | | t Chromium |
| (Maxmium of 20 Characters) | | | Date Sampled | Collection M | ealum | | le Area* | L, ml,min,in2,cm2,ft2 | Ana | | steu | Metriod h | leierence | | .g., welding inting, etc.)* |
| LC | 001 | | 09/08/21 | Assay N581 Aldehy | de Badge | 236 | | Min | Formaldehyde | | | mod. OSHA 1 | 1007: TPLC/UV | | |
| LC | Cafe | | 09/08/21 | Assay N581 Aldehy | de Badge | 238 | | Min | Formaldehyde | | | mod. OSHA 1 | 1007: TPLC/UV | | |
| LC | 010 | | 09/08/21 | Assay N581 Aldehy | vde Badge | 236 | | Min | Formaldehyde mod. Os | | | mod. OSHA 1 | 1007: TPLC/UV | | |
| LC | 114 | | 09/08/21 | Assay N581 Aldehy | de Badge | 236 | | Min | Formaldehyde mod. OSHA 10 | | | 1007: TPLC/UV | | | |
| LC | 111 | | 09/08/21 | Assay N581 Aldehy | de Badge | 239 | | Min | Formaldehyde mod. OSHA 1007: TPLC/UV | | | 007: TPLC/UV | | | |
| LC | Hall 117 | | 09/08/21 | Assay N581 Aldehy | de Badge | 241 | | Min | Formaldehyde mod. OSHA 1007: TPLC/U | | | 007: TPLC/UV | | | |
| LC | Multi Purpose | | 09/08/21 | Assay N581 Aldehy | de Badge | 236 | | Min | Formaldehyde | | | mod. OSHA 1 | 007: TPLC/UV | | |
| LC | 106 | | 09/08/21 | Assay N581 Aldehy | de Badge | 227 | | Min | Formaldehyde | | | mod. OSHA 1 | 007: TPLC/UV | | |
| LC | Library | | 09/08/21 | Assay N581 Aldehy | de Badge | 249 | | Min | Formaldehyde | | | mod. OSHA 1 | 007: TPLC/UV | | |
| LC | Lobby | | 09/08/21 | Assay N581 Aldehy | de Badge | 235 | | Min | Formaldehyde | | | mod, OSHA 1 | 007: TPLC/UV | | |
| LC | Office | | 09/08/21 | Assay N581 Aldehy | de Badge | 231 | | Min | Formaldehyde | | | mod. OSHA 1 | 007: TPLC/UV | | _ |
| ^Ga | alson Laboratories wi | Il subsititute our | routine/preferred meth | od if it does no | t match | the method | l listed on the | e COC unless this box is | checked: 🖌 Us | e method(s |) listed on COC | | | | |
| For | metals analysis: if re | questing an analy | te with the option of a | lower LOQ, ple | ase indi | cate if the l | ower LOQ is | required (only available | o for certain analyte | es - see SA | G): | | | | |
| For | crystalline silica: forr | n(s) of silica need | ed must be indicated (| Quartz, Cristob | alite, an | d/or Tridyn | nite)* : | | | | | | | | |
| Chain of Custody Print Name/Signature | | | | | ۵ | Date | Time | | F | Print Nam | e/Signature | | Dat | e | Time |
| Reli | nquished by: | hing | han | | 9/10 | 121 | 12:30 | Received by : | ~ | | | | | | |
| Reli | nquished by : | Ted | Craus | | 2/(3 | 121 | 12:47 | Received by : | - an- | en ? | 762 | | 9 13 | 2 | 1242 |
| | 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 | | | | | | | | | | | | | | |

21091316

| | SGS G | ALSON | New Clier | nt? Report To* : | Phase Se | paration So | cience onal Pike | Invoice T | ∘*∶ <u>Phase S</u> | eparation | <u>Scien</u> | ce |
|--|---|--------------------------|----------------------|------------------------|-----------------------|---|--------------------------|---------------------------------|-------------------------|---------------------------------------|---|------------|
| _ | | | Client Account | | | , MD 21228 | | | | | | |
| | CC01 Kinlad | llo Dd | | | | | | | | | | |
| | | ise, NY 13057 | | Phone No.* : | 410-747-8 | 770 | | Phone N | lo.: 410-747-87 | 770 | | |
| | Tel: (315) 4 888-43 | 32-5227 2-LABS (5227) | | Cell No. | | | | Ema | ail : <u>invoicing@</u> | phaseonline | e.com | |
| Email Results to : Amber Confer | | | | | | | | | o.: <u>ODC 4920</u> | | | |
| www.sgsgalson.com Email address: reporting@phaseonline.com | | | | | | | | Credit Ca | rd : 🗌 Card on Fi | le Call | for Credit | Card Info. |
| Samples submitted using the FreePumpLoan [™] Progra | | | | | | | | | ubmitted using th | e FreeSamplin | gBadges™ | Program |
| Need Results By: (surcharge) Image: Standard 0% Site Name : Image: Standard Project : ACPS IAQ testing | | | | | | | | | bled by: Karl Fo | ord | | |
| | Standard 4 Business Days | 0% 35% | | 16 00n | Stilly - 4920002 Samp | | | | | | | |
| | 3 Business Days | 50% | Comments : | utuine # noted in | the (Lleve | walant Chr | | alum | | | | |
| | 3 Business Days 50% Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum 2 Business Days 75% | | | | | | | | | | | |
| | | | | | | | | | | | used for : | |
| | Next Day by Noon | 150% | Dudi Karawa da | | | | | collected in (e.g., NY) | 🗹 OSHA PEL | ACGIH TL | v 🗌 |] Cal OSHA |
| | Same Day | 200% | Public grade | e school buildin | g | | | VA MSHA Other (specify): | | | | |
| Sample Identification* Date Sampled Collection Medium Sample Time Sample Area* | | | | | | Sample Units*: L, ml,min,in2,cm2,ft2 | Analysis Reque | ested* | Method Refe | rence^ Pr | exavalent Chromium ocess (e.g., welding ating, painting, etc.)* | |
| LC | 200 | | 09/08/21 | Assay N581 Aldehyde E | adge 238 | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| LC | 206 | | 09/08/21 | Assay N581 Aldehyde E | adge 236 | | Min | Formaldehyde | | mod. OSHA 1007: | : TPLC/UV | |
| LC | Hall 215 | | 09/08/21 | Assay N581 Aldehyde E | Badge 236 | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| LC | 211 | | 09/08/21 | Assay N581 Aldehyde E | adge 236 | | Min | Formaldehyde | | mod. OSHA 1007: TPLC/UV | | |
| | | | | Assay N581 Aldehyde B | adge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| | | | | Assay N581 Aldehyde B | adge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| | | | | Assay N581 Aldehyde B | adge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| | _ | | | Assay N581 Aldehyde E | Badge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| | | | | Assay N581 Aldehyde B | adge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| | | | | Assay N581 Aldehyde B | adge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| | | | | Assay N581 Aldehyde B | adge | | Min | Formaldehyde | | mod. OSHA 1007: | TPLC/UV | |
| ^G | alson Laboratories wil | l subsititute our | routine/preferred m | ethod if it does not m | atch the meth | od listed on th | e COC unless this box is | s checked: 🖌 Use method(s |) listed on COC | | | |
| Foi | metals analysis: if rec | questing an analy | te with the option o | f a lower LOQ, please | indicate if the | e lower LOQ is | required (only available | e for certain analytes - see SA | G): | 10. 0. 01. 0. 09. 10. 01. 01. 01. 01. | | |
| Foi | crystalline silica: form | n(s) of silica need | ed must be indicate | d (Quartz, Cristobalit | e, and/or Trid | ymite)* : | | | | | | |
| Cha | in of Custody | a Prir | nt Name/Signature | e | Date | Time | | Print Nam | e/Signature | _ | Date | Time |
| Reli | nquished by : | asp | y | - 9 | 10/21 | niso | Received by : | | | | | |
| Reli | nquished by : | Ted K | Fairs | 9 | 13120 | 12:4 | Received by : | any | ran | 6 | 2/13/2 | 1 1242 |
| | 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 | | | | | | | | | | | |



Sample Receipt Checklist

SCIENCE

Project Name: ACPS IAQ Testing PSS Project No.: 21091316

| Client Name | Total Environmental Concepts - | Lorto | Rec | eived By | Amber Con | ıfer |
|-----------------|---------------------------------------|----------|------|--------------|--------------------|----------------|
| Disposal Date | 10/18/2021 | | Dat | e Received | 09/13/2021 | 12:42:00 PM |
| | | | Deli | ivered By | Client | |
| | | | | cking No | Not Applicat | ble |
| | | | Loo | ged In By | Amber Con | ıfer |
| Shipping Contai | iner(s) | | | , | | |
| No. of Coolers | 0 | | | | | |
| | | | | Ice | N/ | /A |
| Custody Seal(s | | N/A | | Temp (deg | , | |
| Seal(s) Signed | / Dated? | N/A | | Temp Blank | Present No | 0 |
| Documentation | | | | Sampler Na | me <u>Karl</u> | Ford |
| COC agrees wi | ith sample labels? | Yes | | MD DW Cer | rt. No. <u>N/A</u> | |
| Chain of Custo | dy | Yes | | | | |
| Sample Contain | er | | | Custody Sea | al(s) Intact? | Not Applicable |
| Appropriate for | Specified Analysis? | Yes | | Seal(s) Sign | ned / Dated | Not Applicable |
| Intact? | | Yes | | eeu.(e) e.g. | | |
| Labeled and La | abels Legible? | Yes | | | | |
| Holding Time | | | | Total No. of | Samples Re | ceived 15 |
| All Samples Re | eceived Within Holding Time(s)? | Yes | | Total No. of | Containers I | Received 15 |
| Preservation | | | | | | |
| Total Metals | | | | (pł | H<2) | N/A |
| Dissolved Meta | als, filtered within 15 minutes of co | ollectio | n | (pł | H<2) | N/A |
| | us, filtered within 15 minutes of c | ollectio | n | | | N/A |
| Cyanides | | | | | H>12) | N/A |
| Sulfide | | | | | H>9) | N/A |
| , | ld filtered), COD, Phenols | | | | H<2) | N/A |
| TOX, TKN, NH | | | | | H<2) | N/A |
| | OA Vials Rcvd Preserved) | | | (pł | H<2) | N/A |
| | ave zero headspace? | (ial) | | | | N/A |
| , | d at least one unpreserved VOA v | nai) | | /~1 | 1 ~ J) | N/A |
| 524 VUU (RCVC | d with trip blanks) | | | (pr | 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: 09/13/2021

PM Review and Approval:

NY Jackson

Amber Confer

Date: 09/13/2021

Lynn Jackson Page 14 of 14

Version 1.000

| | SGS | GALSON | New Client? | Report To* : | | | | | Invoice T | o* : | | | | |
|--|---------------------|---------------------------------|--------------------------|----------------------|--|-----------------|---|-----------------|---------------|--------------------|------------|-------------|-------------|--|
| | | UALUUT | Client Account N | | | | | | | | | | | |
| | 6601 Kir | kville Rd | | - | | | | | | | | | | |
| | East Syı | acuse, NY 13057 | | Phone No.* : | | | | | Phone I | No.: | | | | |
| | | 5) 432-5227 -432-LABS (5227) | | Cell No. : | | | | | Em | ail : | | | | |
| | | . , | E | mail Results to : | | | | | P.O. N | lo. : | | | | |
| | www.sg | sgalson.com | | Email address: | | | | | Credit Ca | rd : 📃 Card on Fi | ile 🗌 C | all for Cre | dit Card Ir | nfo. |
| | Need Results By: | (surcharge) | | [| Samples | submitted usir | ng the FreePumpLoan™ | Program | Samples | submitted using th | e FreeSamp | lingBadge | es™Progra | am |
| | Standa | rd 0% | Site Name : | | | Pro | oject : | | Sam | pled 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 | stry or Process/int | erferences pr | esent in samp | ling area : | State samp | | Please indicate w | | | 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% | | | | | | | | MSHA | Other (s | pecify): | | |
| Sample Identification* Date Sampled Collection | | | | Collection Media | ium Sample Volume Sample Time Sample Area* Sample Units*: L, ml,min,in2,cm2,ft2 | | | | Analysis Requ | ested* | Method Re | eference^ | Process (| nt Chromium e.g., welding painting, etc.)* |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| ^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 | | | | | | |
| 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 |
| <u> </u> | nquished by : | | - | | | | Received by : | | | - | | | | |
| L | nquished by : | | | | | | Received by : | | | | | | | |
| | I | | * Re | | | • | will be considered as fields may result in a | | | ing processed. | 1 | F | Page | of |

| | SGS | GALSON | New Client? | Report To* :_ | | | | | Invoice T | o* : | | | | |
|--|---------------------|---------------------------------|--------------------------|----------------------|--|-----------------|---|-----------------|---------------|--------------------|------------|-------------|-------------|--|
| | | UALUUT | Client Account N | | | | | | | | | | | |
| | 6601 Kir | kville Rd | | - | | | | | | | | | | |
| | East Syı | acuse, NY 13057 | | Phone No.* : | | | | | Phone I | No.: | | | | |
| | | 5) 432-5227 -432-LABS (5227) | | Cell No. : | | | | | Em | ail : | | | | |
| | | . , | E | mail Results to : | | | | | P.O. N | lo. : | | | | |
| | www.sg | sgalson.com | | Email address: | | | | | Credit Ca | rd : 📃 Card on Fi | ile 🗌 C | all for Cre | dit Card Ir | nfo. |
| | Need Results By: | (surcharge) | | [| Samples | submitted usir | ng the FreePumpLoan™ | Program | Samples | submitted using th | e FreeSamp | lingBadge | es™Progra | am |
| | Standa | rd 0% | Site Name : | | | Pro | oject : | | Sam | pled 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 | stry or Process/int | erferences pr | esent in samp | ling area : | State samp | | Please indicate w | | | 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% | | | | | | | | MSHA | Other (s | pecify): | | |
| Sample Identification* Date Sampled Collection | | | | Collection Media | ium Sample Volume Sample Time Sample Area* Sample Units*: L, ml,min,in2,cm2,ft2 | | | | Analysis Requ | ested* | Method Re | eference^ | Process (| nt Chromium e.g., welding painting, etc.)* |
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| ^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 | | | | | | |
| 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 |
| <u> </u> | nquished by : | | - | | | | Received by : | | | - | | | | |
| L | nquished by : | | | | | | Received by : | | | | | | | |
| | I | | * Re | | | • | will be considered as fields may result in a | | | ing processed. | 1 | F | Page | of |

Appendix E: 4-PCH Analytical Results



Project Name: ACPS IAQ Testing PSS Project No.: 21091313

September 21, 2021

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

Reference: PSS Project No: **21091313** Project Name: ACPS IAQ Testing Project Location: Lyles Crouch 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) **21091313**.

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 18, 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.: 21091313

Project ID: 4920002

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/13/2021 at 12:42 pm

| PSS Sample ID | Sample ID | Matrix | Date/Time Collected | |
|---------------|------------------|--------|---------------------|--|
| 21091313-001 | LC 001 | AIR | 09/08/21 00:00 | |
| 21091313-002 | LC Cafe | AIR | 09/08/21 00:00 | |
| 21091313-003 | LC 010 | AIR | 09/08/21 00:00 | |
| 21091313-004 | LC 114 | AIR | 09/08/21 00:00 | |
| 21091313-005 | LC 111 | AIR | 09/08/21 00:00 | |
| 21091313-006 | LC 117 | AIR | 09/08/21 00:00 | |
| 21091313-007 | LC Multi Purpose | AIR | 09/08/21 00:00 | |
| 21091313-008 | LC 106 | AIR | 09/08/21 00:00 | |
| 21091313-009 | LC Library | AIR | 09/08/21 00:00 | |
| 21091313-010 | LC Lobby | AIR | 09/08/21 00:00 | |
| 21091313-011 | LC Office | AIR | 09/08/21 00:00 | |
| 21091313-012 | LC 200 | AIR | 09/08/21 00:00 | |
| 21091313-013 | LC 206 | AIR | 09/08/21 00:00 | |
| 21091313-014 | LC Hall 215 | AIR | 09/08/21 00:00 | |
| 21091313-015 | LC 211 | AIR | 09/08/21 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.: 21091313

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 21, 2021

Account# 15354

Login# L546494

Dear Amber Confer:

Enclosed are the analytical results for the samples received by our laboratory on September 14, 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 | mg - Milligrams | MDL - Method Detection Limit | ppb - Parts per Billion |
|-----------------------------|--------------------------|------------------------------|-------------------------|
| > - Greater than | ug - Micrograms | NA - Not Applicable | ppm - Parts per Million |
| I - 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

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

(315) 432-5227

LABORATORY ANALYSIS REPORT

| Client | : Phase Separation Science, Inc. | Account No.: 15354 |
|---------------|----------------------------------|---------------------------------------|
| Site | : LYLES CROUCH | Login No. : L546494 |
| Project No. | : ACPS IAQ TESTING - 4920002 | |
| Date Sampled | : 08-SEP-21 | Date Analyzed : 16-SEP-21 - 17-SEP-21 |
| Date Received | : 14-SEP-21 | Report ID : 1265460 |
| | | |

4-Phenylcyclohexene (4PCH low LOQ)

| <u>Sample ID</u> | Lab ID | Air Vol liter | Front uq | Back uq | Total uq | Conc mg/m3 | ppm |
|------------------|------------|------------------|-------------|------------|-------------|---------------|---------|
| LC 001 | L546494-1 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC CAFE | L546494-2 | 47.6 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 010 | L546494-3 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 114 | L546494-4 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 111 | L546494-5 | 47.8 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 117 | L546494-6 | 48.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC MULTI PURPOSE | L546494-7 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 106 | L546494-8 | 45.4 | <0.2 | <0.2 | <0.2 | <0.005 | <0.0007 |
| LC LIBRARY | L546494-9 | 49.8 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0006 |
| LC LOBBY | L546494-10 | 47 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC OFFICE | L546494-11 | 46.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 200 | L546494-12 | 47.6 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 206 | L546494-13 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC HALL 215 | L546494-14 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |
| LC 211 | L546494-15 | 47.2 | <0.2 | <0.2 | <0.2 | <0.004 | <0.0007 |

<u>COMMENTS:</u> Please see attached lab footnote report for any applicable footnotes.

| Level of Quantitation: 0. | .2 ug | Submitted by: ECB | Approved by: MLN |
|---------------------------|-------|--------------------------------------|------------------|
| - | | Date : 20-SEP-21 Supervisor : KAG | |

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Version 1.000
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LABORATORY FOOTNOTE REPORT

| | Client Name : Phase Separation | Science, Inc. |
|-------------------------|---------------------------------|---------------------|
| | Site : LYLES CROUCH | |
| | Project No. : ACPS IAQ TESTING | - 4920002 |
| 6601 Kirkville Road | | |
| East Syracuse, NY 13057 | Date Sampled : 08-SEP-21 | Account No.: 15354 |
| (315) 432-5227 | Date Received: 14-SEP-21 | Login No. : L546494 |
| FAX: (315) 437-0571 | Date Analyzed: 16-SEP-21 - 17-S | EP-21 |
| www.sqsqalson.com | | |

L546494 (Report ID: 1265460):

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

L546494 (Report ID: 1265460):

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

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

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Version 1.000
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| 1Z2313E40165206989 Date:09/14/21 Shipper:UPS Initials:BGF Prep:UNKNOWN | New Client | | 30 Baltim | | nal Pike | | o* : <u>Phase Se</u> | eparation Scie | ence | | | | |
|---|--|--|--|------------------|--------------------------|-------------------------|--|---|--|--|--|--|--|
| East Syracuse, NY 130 Tel: (315) 432-5227 888-432-LABS (52 www.sgsgalson.com | (0) | Cell No. : Email Results to : <u>Arr</u> Email address: <u>rep</u> | No.* : <u>410-747-8770</u> No. : <u>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 I Credit Card : Card on File Call for Credit Card I Samples submitted using the FreePumpLoan[™] Program</u> | | | | | | | | | | |
| Need Results By: (surcharge |) | | Samples sub | omitted using | g the FreePumpLoan'™ | ProgramSamples | submitted using the | e FreeSamplingBadge | s'" Program | | | | |
| Standard 0% | Site Name : L y | les cronch | า | Proj | ject : ACPS IAQ te | esting - 4920002 Sam | pled by: Karl Fo | ord | | | | | |
| 4 Business Days 35% | Comments : | | | | | | | | | | | | |
| 3 Business Days 50% | - | | | | | | | | | | | | |
| 2 Business Days 75% Next Day by 6pm 100% | List description of in | dustry or Process/interfe | rences prese | ent in sampli | ing area : | State samples were | Please indicate w | hich OEL this data wil | l be used for : | | | | |
| Next Day by Noon 150% | | • | • | • | 0 | collected in (e.g., NY) | OSHA PEL | ACGIH TLV | Cal OSHA | | | | |
| Same Day 200% | Public grade | school | | Other (specify): | - - | | | | | | | | |
| Sample Identification* (Maxmium of 20 Characters) | Date Sampled | Collection Medium | Vedium Sample Volume Sample Units*: Sample Time L, ml,min,in2,cm2,ft | | | Analysis Requ | ested* | Method Reference^ | Hexavalent Chromium Process (e.g., welding plating, painting, etc.)* | | | | |
| _C 001 | 09/08/21 | Sm Charcoal tubes /.226-01 | 47.2 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| _C Cafe | 09/08/21 | Sm Charcoal tubes / 226-01 | /226-01 47.6 L 4-P | | | 4-Phenylcyclohexene | mod. NIOSH 1501 | | | | | | |
| _C 010 | 09/08/21 | Sm Charcoal tubes / 226-01 | 47.2 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| _C 114 | 09/08/21 | Sm Charcoat tubes / 226-01 | 47.2 | | L | 4-Phenylcyclohexene | mod. NIOSH 1501 | | | | | | |
| _C 111 | 09/08/21 | Sm Charcoal tubes / 226-01 | 47.8 | | L | 4-Phenylcyclohexene | mod. NIOSH 1501 | | | | | | |
| _C 117 | 09/08/21 | Sm Charcoal tubes / 226-01 | 48.2 | | L | 4-Phenylcyclohexene | mod. NIOSH 1501 | | | | | | |
| _C Multi Purpose | 09/08/21 | Sm Charcoal tubes / 226-01 | 47.2 | | L | 4-Phenylcyclohexene | mod. NIOSH 1501 | | | | | | |
| -C 106 | 09/08/21 | Sm Charcoal tubes / 226-01 | 45.4 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| C Library | 09/08/21 | Sm Charcoal tubes / 226-01 | 49.8 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| _C Lobby | 09/08/21 | Sm Charcoal tubes / 226-01 | 47 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| | 09/08/21 | Sm Charcoal tubes / 226-01 | 46.2 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| _C Office | LC Office 09/08/21 sm Charcoal tubes / 226-01 46.2 L 4-Phenylcyclohexene mod. NIOSH 1501 ^Galson Laboratories will substitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: Image: Colored colo | | | | | | | | | | | | |
| | our routine/preferred me | thod if it does not match | | | | | | | ····· | | | | |
| AGalson Laboratories will subsititute | | | | ower LOQ is | required (only available | | And the second s | and the state of the | | | | | |
| AGalson Laboratories will subsititute For metals analysis: if requesting an | nalyte with the option of | a lower LOQ, please inc | licate if the lo | | required (only availabl | | | 16. 2 ₁₁ (f = 1, 2 ²) 2 = 1 = 2 = 2 ¹ | | | | | |
| AGalson Laboratories will subsititute For metals analysis: if requesting an For crystalline silica: form(s) of silica | nalyte with the option of | a lower LOQ, please inc (Quartz, Cristobalite, a | licate if the lo | | | | ne/Signature | Da | te Time | | | | |
| For metals analysis: if requesting an a | nalyte with the option of needed must be indicated | a lower LOQ, please inc I (Quartz, Cristobalite, a | licate if the lo nd/or Tridym Date | nite)* : | Received by : | | : | Da 3 | | | | | |

21091313

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| 9 | SGS a | ALSO | New Client | ? Report To | * : Phase Sepa 6630 Baltim | | | Invoice To | •* : <u>Phase S</u> | eparation Scie | ence | | | |
|----------------------------------|--|--------------------|---------------------------|--|-------------------------------|----------------|---|---|-----------------------|--|--|--|--|--|
| | | | Client Account | No.*: | Baltimore, 1 | MD 21228 |) | | - · · · · | ······································ | | | | |
| | 6601 Kirkvi | ile Rd | <u> </u> | - | | | | Phana N | | | | | | |
| | East Syracu Tel: (315) 4 | use, NY 13057 | | | * :410-747-87 | 70 | ······································ | | o.: <u>410-747-87</u> | | | | | |
| | | 2-LABS (5227) | | Cell No | | <u> </u> | | | | phaseonline.com | <u> </u> | | | |
| | www.sgsga | ison.com | t | | o : Amber Conf | | | | •.: <u>ODC 4920</u> | | | | | |
| | | | | Email addre | ss:reporting@p | onaseoniir | ie.com | | d : 🗌 Card on Fi | le Call for Cre | dit Card Into. | | | |
| 1 | eed Results By: | (surcharge) | | | Samples su | bmitted usin | g the FreePumpLoan™ | Program Samples s | ubmitted using th | e FreeSamplingBadge | es™Program | | | |
| 1 | Standard | 0% | Site Name : LY | 12] (1 | ouch | Pro | ject : ACPS IAQ te | esting - 4920002 Samp | oled by: Karl Fo | ord | | | | |
|] | 4 Business Days | 35% | Comments : | | | | | | | | | | | |
|] | 3 Business Days | 50% | | | | | | | | | | | | |
|] | 2 Business Days | 75% | | | | | | | | <u></u> | | | | |
|] | Next Day by 6pm | 100% | List description of ind | escription of industry or Process/interferences present in sampling area : State samples were Please indicate which OEL this data will be used for : | | | | | | | | | | |
|] | Next Day by Noon | 150% | Public grade s | ade school | | | | | | | | | | |
|] | Same Day | 200% | | | | i | | VA | | Other (specify): | T | | | |
| | Sample Identification* Date Sampled Collection Medium (Maxmium of 20 Characters) | | | | | | Sample Volume Sample Units*: m Sample Time L, ml,min,in2,cm2,ft2 Sample Area* | | Analysis Requested* | | Hexavalent Chromium Process (e.g., welding plating, painting, etc.)* | | | |
| C 2 | 00 | | 09/08/21 | Sm Charcoal tubes | / 226-01 47.6 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| _C 206 09/08/21 Sm Charcoal tube | | | | /226-01 47.2 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | | |
| CI | all 215 | <u></u> | 09/08/21 | Sm Charcoal tubes | 47.2 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| C 2 | :11 | | 09/08/21 | Sm Charcoal tubes | / 226-01 47.2 | 1 47.2 L | | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| | | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| | · · · · · | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| | | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| | | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| _ | | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| | | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| | | | | Sm Charcoal tubes | / 226-01 | | L | 4-Phenylcyclohexene | | mod. NIOSH 1501 | | | | |
| ^Ga | son Laboratories wi | Il subsititute ou | r routine/preferred met | hod if it does no | t match the metho | d listed on th | e COC unless this box i | s checked: 🔽 Use method(| s) listed on COC | | | | | |
| For | netals analysis: if re | questing an ana | lyte with the option of a | a lower LOQ, ple | ease indicate if the | lower LOQ is | required (only availabl | le for certain analytes - see SA | G): | ······································ | · ··· | | | |
| For | rystalline silica: forr | m(s) of silica nee | eded must be indicated | (Quartz, Cristob | alite, and/or Tridyr | nite)* : | | | | | | | | |
| hai | n of Custody | Pr | int Name/Signature | | Date | Time | | Print Nam | e/Signature | Da | ate Time | | | |
| Relir | quished by : 🗸 | and | In | | 9/10/21 | m,10 | Received by : | | | | | | | |
| Relin | quished by : | Tu | & Kraus | | 9/13/21 | 1246 | Received by : | arno | run | ch 12 | 3/1/1242 | | | |
| | | | | | | | | s next day's business delay in your samples be | ing processed. | • | Page_1 of _2 | | | |
| | <u> </u> | | | | | - | e 9 of 14 | BrettGreenen | | it Bunut - 3 | Jischer 9/14/2 | | | |



| SEDING THE STAND | | | | • • • • • • • • • • • • • • • • • | ······································ | | | | | | | |
|---|---|-----------------|-------------------------|-----------------------------------|--|--------------------------|--|--------------|--|--|--|--|
| Phase Separation Sc | cience, Inc | | |). No. : | 21091313 | - | es Transferred To: Jorth America - NY | 7 | | | | |
| 6630 Baltimore Nat | | | Proi | ect Location | Lyles Crouch | 6601 J | 6601 Kirkville Road | | | | | |
| Baltimore, MD 2122 Phone: (410) 747-87 | | | | ect Number : | | East Syracuse, NY 13057 | | | | | | |
| Fax: (410) 788-8723 | | | 5 | ort To LOD | | | GS Galson Labs. b | 2C | | | | |
| For Ouestions or | issues please contact: A | mber Confer | - | | · | Phone | 315-432-5227 | | | | | |
| | | | | Report D | ue On :09/21/21 05:00 | | | | | | | |
| Lab Sample ID | Field Sample ID | Date Sampled | Time Sampled | Matrix | Analyses Required | Method | Type of Container | Preservative | | | | |
| 21091313-001 | LC 001 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-002 | LC Cafe | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-003 | LC 010 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-004 | LC 114 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-005 | LC 111 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-006 | LC 117 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-007 | LC Multi Purpose | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-008 | LC 106 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-009 | LC Library | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-010 | LC Lobby | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | . VARIOUS | NONSC | NON | | | | |
| 21091313-011 | LC Office | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-012 | LC 200 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-013 | LC 206 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-014 | LC Hall 215 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| 21091313-015 | LC 211 | 09/08/21 | 00:00 | Air | 4-Phenylcyclohexene | VARIOUS | NONSC | NON | | | | |
| Send Repor | erables Required t Attn : reporting(| | mups | | Perform Q.C. ! Send] | - | voicing@phaseor | nline.com | | | | |
| Condition Upon Rea | ceipt : | | | | | | | | | | | |
| Comments : | | | | | | | | | | | | |
| Samples Relinquish | ed By: AUS66 | Date : 913 | 5)2 т | `ime: | Samples Received By : Brett (| Grenert-Fischer But | Gunut - Fis | | | | | |
| Samples Relinquish | ed By: | Date : | | Time : | _ Samples Received By: | | | 0944 | | | | |
| Samples Relinquish | ed By: | Date: | age 7 of 7 ₁ | Report R | eference:1 Generated:21-SEP-2 Samples Received By: Page 10 of 14 | 1 08:10 Version 1.000 | | | | | | |

| PHASE |
|--------------------|
| S EPARATION |
| SCIENCE |
| |

Project Name: ACPS IAQ Testing PSS Project No.: 21091313

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.

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

| | | | ······ | | | | ~. | 210913 | 313 | | | | | | |
|--|-------------------|---|------------------------|---|---|---------------------------------|---------------------------------------|---|-----------------------------------|--|--------------------|---------------------------------|-----------------|-------------|---|
| | SGS | GALSO | New Clien | | 66 | 30 Balt | paration S imore Nati , MD 2122 | cience onal Pike | | Invoice To* : Phase Separation Science | | | | | |
| | | | Chefic Account | L NO.": | | | | | | | | | | | |
| | Tel: (315 888- | cville Rd acuse, NY 13057) 432-5227 432-LABS (5227 sgalson.com |) | Cell Email Result | No. : s to : <u>Ar</u> | | nfer | | | En P.O. 1 | No. : <u>ODC 4</u> | g@phaseonline.com 920002-001 | | | |
| | | | | Eman auc | ddress: reporting@phaseonline.com Credit Card : Card on File Call for Cre | | | | | | | dit Card I | nfo. | | |
| | Need Results By: | (surcharge) | | | | Samples | submitted usir | ng the FreePumpLoan™ | Program | Samples | submitted usin | g the FreeS | amplingBadge | s™Progra | am |
| Standard 0% Site Name: Lyles crowch Project: | | | | | | | | | esting - 4920 | 002 Sam | pled by: Ka | rl Ford | | | |
| | 4 Business Day | s 35% | Comments : | | | - <i></i> | | | | 002 Sam | pied by . Ital | Fold | | | |
| | 3 Business Day | s 50% | | | | | | | | | | | | | |
| | 2 Business Day | | | | | | | | | | | | | | |
| | Next Day by 6pm | | List description of in | description of industry or Process/interferences present in sampling area : State samples were Please indicate which OEL this data will be used for | | | | | | | | | | | |
| | Next Day by Nooi | | Public grade | school | | | | | collected in (e.g., NY) | | | | | | JSHA |
| | Same Day | | | - <u></u> | | | | / | | | | Oth | er (specify): | • | |
| | (Maxmium of 20 | nple Identification* Date Sampled Collection Medium Sample Volume Sample Time L, n Sample Area* L, n | | | | | | | 4 | nalysis Requ | ested* | Metho | d Reference^ | Process (| nt Chromium e.g., welding ainting, etc.}* |
| LC (| | | 09/08/21 | Sm Charcoal tub | es / 226-01 | 47.2 L 4-Phenylcyclohexene | | | hexene | | mod. I | NIOSH 1501 | | | |
| LC | Cafe | | 09/08/21 | Sm Charcoal tub | es / 226-01 | 226-01 47.6 L 4-Ph | | | 4-Phenylcyclo | hexene | | mod. I | NIOSH 1501 | | |
| LC | D10 | | 09/08/21 | Sm Charcoal tub | es / 226-01 | 47.2 | | L | 4-Phenylcyclohexene | | | mod. I | mod. NIOSH 1501 | | |
| LC · | 114 | | 09/08/21 | Sm Charcoal tub | es / 226-01 | 226-01 47.2 L 4-Phenylcyclohexe | | | hexene | | mod. I | NIOSH 1501 | | <u></u> | |
| LC [·] | 111 | | 09/08/21 | Sm Charcoal tub | es / 226-01 | 47.8 | | L | 4-Phenylcyclo | ohexene mod. NIOSH 1501 | | | | | |
| LC [·] | 117 | | 09/08/21 | Sm Charcoal tub | es / 226-01 | 48.2 | | L | 4-Phenylcyclo | hexene | | | NIOSH 1501 | | |
| LCI | Multi Purpose | | 09/08/21 | Sm Charcoal tub | s / 226-01 | 47.2 | | L | 4-Phenylcyclo | | | | NOSH 1501 | | |
| LC 1 | 06 | | 09/08/21 | Sm Charcoal tub | s / 226-01 | 45.4 | | L | 4-Phenylcyclo | | | | NIOSH 1501 | ~~~ | |
| LCL | ibrary | | 09/08/21 | Sm Charcoal tube | s / 226-01 | 49.8 | | L | 4-Phenylcyclo | | | _ | NOSH 1501 | | |
| LCL | .obby | | 09/08/21 | Sm Charcoal tube | | 47 | | | 4-Phenylcyclo | | | | NOSH 1501 | | <u> </u> |
| | Office | | 09/08/21 | Sm Charcoal tube | s / 226-01 | | | | 4-Phenylcyclol | | | | | | ····· |
| | | /ill subsititute our | | | | | d listed on the | COC unless this box is | | | \ | 1 | 10SH 1501 | | |
| | | | | | | | | required (only available | | | | | | | |
| | | | ed must be indicated | | | | | equired (only available | Fior certain anal | yles - see SA | ; | | | | |
| | of Custody | | nt Name/Signature | ,, 0,,000 | | ate | Time | Г Т | | Print Marr | e/Signature | | | | |
| Relinquished by : during g | | | | | 7 1- | >721 | 12:31 | Received by : | | i ilii inami | signature | | Date | <u> </u> | Time |
| | quished by : | | raws | | 9/13 | 121 | 1246 | Received by : | Mil | er 1 | 120 | | 9137 | и | 1242 |
| | | | | s equired fields | amples , failure | received to comp | after 3pm w | ill be considered as Ids may result in a c | next day's bus delay in your s | iness amples beir | ng processed. | | | ge_1_ | |

21091313

| | SGS | GALSO | ON New Client? Report To* : Phase Separation Science 6630 Baltimore National Pike Client Account No.*: Baltimore, MD 21228 | | | | onal Pike | | Invoice T | o*∶ <u>Phase S</u> | eparat | tion Scie | ence | | |
|----------------------------|--|---------------------------------|--|---------------------|--------------------|---|------------------|---|--------------------------------|--------------------------------|------------------------|-----------|-------------------|------------|---|
| | I | | Client Account | : No.*: | Ba | altimore, | MD 2122 | 8 | | | | | | | |
| | 6601 K | rkville Rd | | — | | | | | | | | | | | |
| | | racuse, NY 13057 5) 432-5227 | | Phone N | | 0-747-8 | 770 | | | Phone No.: <u>410-747-8770</u> | | | | | |
| | | B-432-LABS (5227 |) | Cell 1 | | | | | | | ail: <u>invoicing@</u> | | | | |
| | www.s | gsgalson.com | | Email Results | | | | | | | o.: <u>ODC 4920</u> | | | | |
| | | | | Email addi | ress <u>: re</u> p | οοπιης(α | phaseonli | ne.com | | Credit Car | rd : 🔲 Card on F | ile | Call for Cre | dit Card I | nfo. |
| | Need Results By: | (surcharge) | | | P | Samples submitted using the FreePumpLoan [™] Program Samples submitted using the FreeSamplingBadges [™] Program | | | | | | | am | | |
| N | Stand | ard 0% | Site Name : LX | oject : ACPS IAQ te | esting - 492 | 0002 Samp | oled by : Karl F | ord | | | | | | | |
| | 4 Business D | | Comments : | | | | | | | | | | | | |
| | 3 Business D | | | | | | | | | | | | | | |
| | 2 Business D | | | | | | | · | ····· | | | | | | |
| | | | | | | | | | State sample collected in (| | Please indicate w | | | | |
| | | | | | | | | | | o.g., w. , | | _ | | Cal | OSHA |
| | | | | T | | Same | ole Volume | 1 | VA | | MSHA | | er (specify): | | |
| (Maxmium of 20 Characters) | | | Date Sampled | Collection N | Medium | ium Sample Time Sample Area* | | Sample Units*: L, ml,min,in2,cm2,ft2 | Analysis Requested* | | sted* | Method F | Method Reference^ | | ent Chromium e.g., welding painting, etc.)* |
| LC 2 | :00 | | 09/08/21 | Sm Charcoal tube | is / 226-01 | 47.6 | | L | 4-Phenylcyc | lohexene | | mod. NI | OSH 1501 | | |
| LC 2 | 206 | | 09/08/21 | Sm Charcoal tube | s / 226-01 | 6-01 47.2 L 4-Phenylcyclohexene mo | | | mod. NI | OSH 1501 | | | | | |
| LCH | lall 215 | | 09/08/21 | Sm Charcoal tube | es / 226-01 | 47.2 | | L | 4-Phenylcyclohexene mo | | | mod. NI | OSH 1501 | | |
| LC 2 | :11 | | 09/08/21 | Sm Charcoal tube | s / 226-01 | 47.2 | | L | | | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tube | s / 226-01 | | | L | 4-Phenylcyc | lohexene | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tube | s / 226-01 | | | L | 4-Phenylcyc | lohexene | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tubes | s / 226-01 | | | L | 4-Phenylcyc | lohexene | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tube | s / 226-01 | | | L | 4-Phenylcyc | lohexene | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tubes | s / 226-01 | | | L | 4-Phenylcyc | lohexene | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tubes | s /226-01 | | | L | 4-Phenylcyc | ohexene | | mod. NIC | OSH 1501 | | |
| | | | | Sm Charcoal tubes | \$ / 226-01 | | | L | 4-Phenylcyc | ohexene | | mod. NIC | OSH 1501 | | |
| | | | | | | | | COC unless this box is | | | | | | | |
| | | | | | | | | required (only available | for certain an | alytes - see SAG | i): | | | | |
| For c | rystalline silica: | orm(s) of silica need | led must be indicated (| Quartz, Cristob | alite, an | d/or Tridyr | mite)* : | | | | | | | | |
| | of Custody | | nt Name/Signature | | |)ate | Time | | | Print Name | /Signature | | Date | • | Time |
| | quished by : | anna | in | | | 0/21 | M10 | Received by : | | | | | | | |
| Relin | quished by : | Ted | Wracis | | 9/1 | <u>3/z(</u> | 1246 | Received by : | a | in g | in | | a 13 | n | 1242 |
| | 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 | | | | | | | | | | | | ge_1_ | | |



Project Name: ACPS IAQ Testing PSS Project No.: 21091313

| Client Name | Total Environmental Concepts - | Lorto | Received Bv | Amber Cor | nfer |
|-----------------|---|-----------|---------------|----------------|----------------|
| Disposal Date | 10/18/2021 | | Date Received | 09/13/2021 | 12:42:00 PM |
| Disposal Date | | | Delivered By | Client | 12.12.001 |
| | | | • | | |
| | | | Tracking No | Not Applical | |
| | | | Logged In By | Amber Cor | nfer |
| Shipping Contai | | | | | |
| No. of Coolers | 0 | | Ice | N | /A |
| Custody Seal(s | a) Intact? | N/A | Temp (deg | | /A |
| Seal(s) Signed | | N/A | | k Present N | 0 |
| Documentation | | | Sampler Na | ame Kar | l Ford |
| | ith sample labels? | Yes | MD DW Ce | | |
| Chain of Custo | - | Yes | | | |
| Sample Contain | er | | Custody Se | eal(s) Intact? | Not Applicable |
| Appropriate for | Specified Analysis? | Yes | Seal(s) Sig | ned / Dated | Not Applicable |
| Intact? | | Yes | | | |
| Labeled and La | abels Legible? | Yes | | | |
| Holding Time | | | Total No. o | f Samples Re | eceived 15 |
| All Samples Re | eceived Within Holding Time(s)? | Yes | Total No. o | f Containers | Received 15 |
| Preservation | | | | | |
| Total Metals | | - 11 4' - | | H<2) | N/A |
| | als, filtered within 15 minutes of co rus, filtered within 15 minutes of c | | | H<2) | N/A N/A |
| Cyanides | | UIECIN | | H>12) | N/A |
| Sulfide | | | | H>9) | N/A |
| | ld filtered), COD, Phenols | | | H<2) | N/A |
| TOX, TKN, NH | 3, Total Phos | | (p | H<2) | N/A |
| VOC, BTEX (V | OA Vials Rcvd Preserved) | | (p | H<2) | N/A |
| | nave zero headspace? | | | | N/A |
| • | d at least one unpreserved VOA | vial) | | | N/A |
| 524 VOC (Rcvo | d 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: 09/13/2021

PM Review and Approval:

NY Lackson

Amber Confer

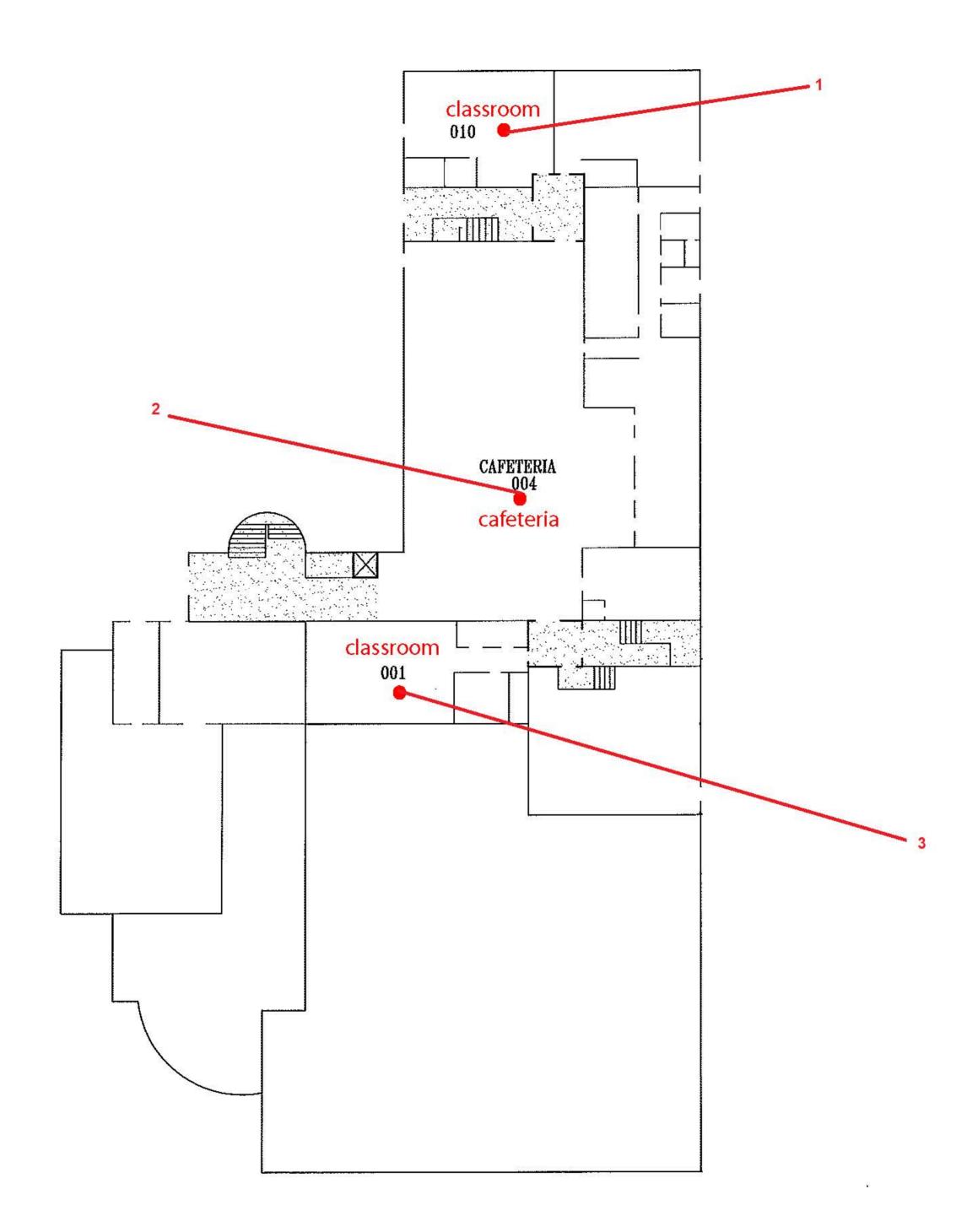
Lynn Jackson Page 14 of 14 Date: 09/13/2021

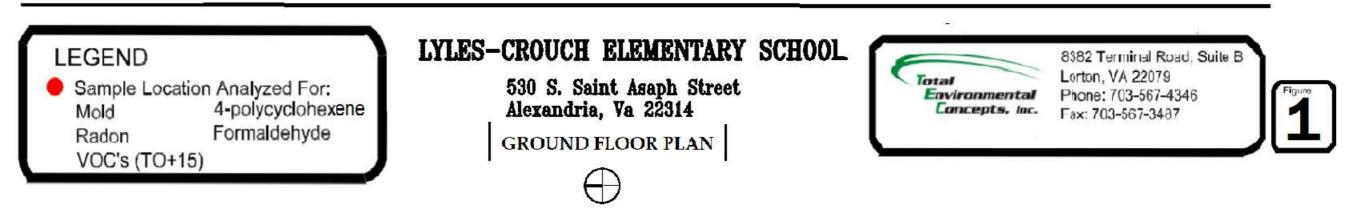
Version 1.000

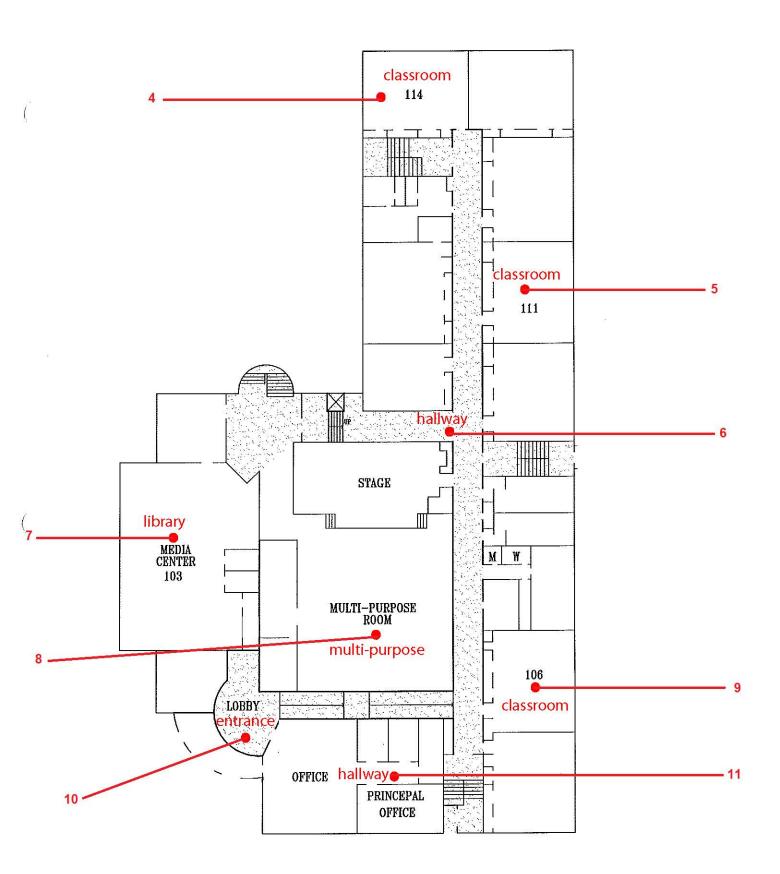
| | SGS | GALSON | New Client? | Report To* : | | | | | Invoice T | ō*: | | | | |
|----------|---|---------------------------------|--------------------------|----------------------|---|------------------|---|---------------|-------------------|--------------------|--------------|-------------|-----------|--|
| | | UALUUT | Client Account N | | | | | | - | | | | | |
| | 6601 Kir | kville Rd | | - | | | | | - | | | | | |
| | East Syı | acuse, NY 13057 | | Phone No.* : | | | | | Phone I | No.: | | | | |
| | | 5) 432-5227 -432-LABS (5227) | | Cell No. : | | | | | _ Em | ail : | | | | |
| | | . , | E | mail Results to : | | | | P.O. N | lo. : | | | | | |
| | www.sg | sgalson.com | | Email address: | | | | Credit Ca | rd : 🗌 Card on Fi | ile 🗌 C | Call for Cre | dit Card Ir | nfo. | |
| | Need Results By: | (surcharge) | | [| Samples | submitted usi | ng the FreePumpLoan™ | Program | Samples | submitted using th | e FreeSamp | olingBadge | es™Progra | am |
| | Standa | rd 0% | Site Name : | | | Pro | oject : | | Sam | pled 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 | stry or Process/int | erferences pi | resent in samp | ling area : | State samp | | 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% | | | | | | | | MSHA | Other (s | specify): | | |
| | Sample Identification* Date Sampled Collect (Maxmium of 20 Characters) | | | | Im Sample Volume Sample Units*: Analysis Requested* | | | | | ested* | Method Re | eference^ | Process (| ent Chromium (e.g., welding painting, etc.)* |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| <u> </u> | | | | | | | | | | | | | | |
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| <u> </u> | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| ^Ga | lson Laboratories | will subsititute our | routine/preferred metho | od if it does not ma | I Itch the meth | nod 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 th | e lower LOQ is | s required (only availabl | e for certain | | | | | | |
| For | crystalline silica: | form(s) of silica need | ded must be indicated (0 | Quartz, Cristobalite | , and/or Trid | lymite)* : | | | | | | | | |
| Chai | in of Custody | Pri | nt Name/Signature | | Date | Time | | | Print Nan | ne/Signature | | Da | te | Time |
| <u> </u> | nquished by : | | - | | | | Received by : | | | - | | | | |
| <u> </u> | nquished by : | | | | | | Received by : | | | | | | | |
| | I | | * Re | | | • | will be considered as fields may result in a | - | | ing processed. | I | F | Page | of |

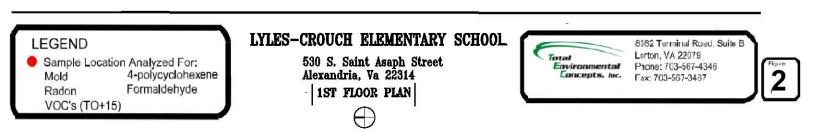
| | SGS | GALSON | New Client? | Report To* : | | | | | Invoice T | ō*: | | | | |
|----------|---|---------------------------------|--------------------------|----------------------|---|------------------|---|---------------|-------------------|--------------------|--------------|-------------|-----------|--|
| | | UALUUT | Client Account N | | | | | | - | | | | | |
| | 6601 Kir | kville Rd | | - | | | | | - | | | | | |
| | East Syı | acuse, NY 13057 | | Phone No.* : | | | | | Phone I | No.: | | | | |
| | | 5) 432-5227 -432-LABS (5227) | | Cell No. : | | | | | _ Em | ail : | | | | |
| | | . , | E | mail Results to : | | | | P.O. N | lo. : | | | | | |
| | www.sg | sgalson.com | | Email address: | | | | Credit Ca | rd : 🗌 Card on Fi | ile 🗌 C | Call for Cre | dit Card Ir | nfo. | |
| | Need Results By: | (surcharge) | | [| Samples | submitted usi | ng the FreePumpLoan™ | Program | Samples | submitted using th | e FreeSamp | olingBadge | es™Progra | am |
| | Standa | rd 0% | Site Name : | | | Pro | oject : | | Sam | pled 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 | stry or Process/int | erferences pi | resent in samp | ling area : | State samp | | 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% | | | | | | | | MSHA | Other (s | specify): | | |
| | Sample Identification* Date Sampled Collect (Maxmium of 20 Characters) | | | | Im Sample Volume Sample Units*: Analysis Requested* | | | | | ested* | Method Re | eference^ | Process (| ent Chromium (e.g., welding painting, etc.)* |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| ^Ga | Ison Laboratories | will subsititute our | routine/preferred metho | od if it does not ma | I Itch the meth | nod 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 th | e lower LOQ is | s required (only availabl | e for certain | | | | | | |
| For | crystalline silica: | form(s) of silica need | ded must be indicated (0 | Quartz, Cristobalite | , and/or Trid | lymite)* : | | | | | | | | |
| Chai | in of Custody | Pri | nt Name/Signature | | Date | Time | | | Print Nan | ne/Signature | | Da | te | Time |
| <u> </u> | nquished by : | | - | | | | Received by : | | | - | | | | |
| <u> </u> | nquished by : | | | | | | Received by : | | | | | | | |
| | I | | * Re | | | • | will be considered as fields may result in a | - | | ing processed. | I | F | Page | of |

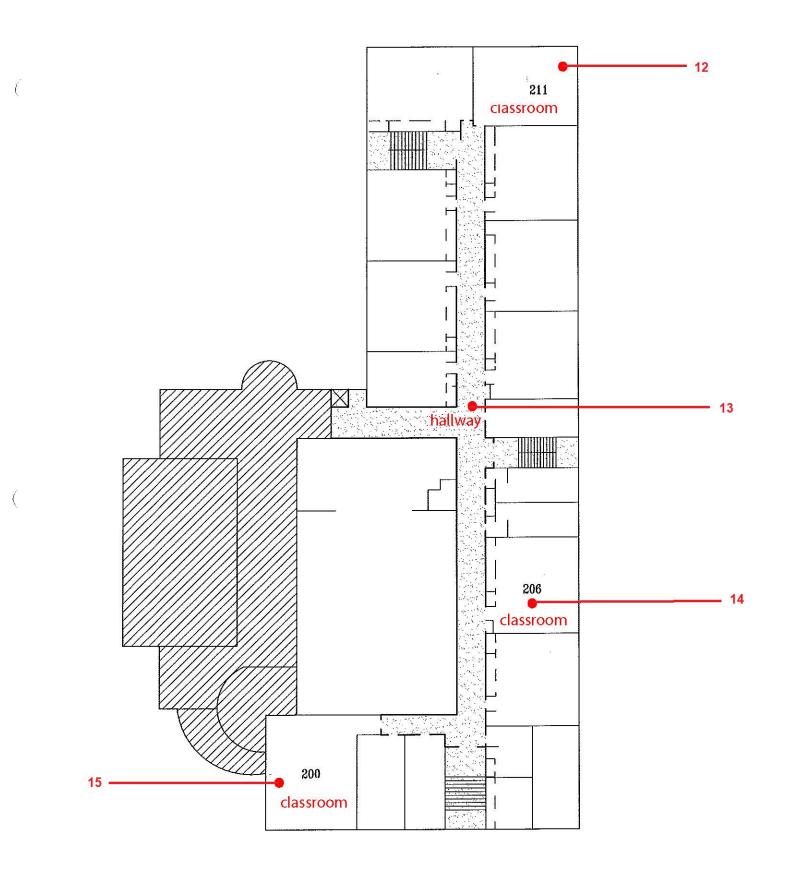
Appendix F: Sampling Locations











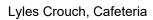


Appendix G: Photographs





Lyles Crouch, Library





Lyles Crouch, Lobby



Lyles Crouch, Classroom



Lyles Crouch, Multi-purpose



Lyles Crouch, Main Office