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New York State Department of Environmental Conservation  
50 Circle Road  
Stony Brook, NY 11790-3409

ENVIRONMENTAL

Subject:

OU-3 Vapor Intrusion Evaluation Report  
50 Marcus Drive, Farmingdale, NY

Date:  
February 18, 2020

Contact:  
Christopher Engler

Dear Mr. Sheehan:

Phone:  
315-409-6579

Arcadis on behalf of Stellae International, Inc. (Stellae), has prepared this Vapor Intrusion Evaluation Report to detail the completed field activities outlined in the Vapor Intrusion Work Plan dated October 15, 2019 and approved by the NYSDEC on November 8, 2019.

Email:  
[christopher.engler@arcadis.com](mailto:christopher.engler@arcadis.com)

The completed activities summarized in this evaluation include a building evaluation with chemical inventory, indoor, sub-slab, and outside ambient air sampling, and inspection and performance testing of the existing sub-slab depressurization system (SSDS).

A detailed description of each of these tasks are presented below:

#### **Building Evaluation:**

Prior to intrusive sampling (i.e., sub-slab sample collection activities) and as part of the building evaluation, Arcadis evaluated the existence of sub-surface utilities using a multiple lines of evidence approach. Within the existing building in preparation for the July 2016 sampling event, this included a walk-through inspection of the building, and the use of ground penetrating radar (GPR) to identify utilities and potentially determine slab thickness in order to aid in sample collection activities. Since as-built records were available for each of the two new building additions, these drawings, along with interviews with Stellae Staff were used to identify utility locations within the new buildings for the December 2016 sampling event.

Arcadis conducted a building inspection and chemical inventory as required by the NYSDOH prior to initiating the vapor intrusion related sampling activities. The inventory (as provided in **Attachment A**), consisted of a review of the building construction, current and past usage, heating fuels, HVAC settings and chemicals used within each of the buildings. Of the products identified, none contained chemicals listed under NYSDOH's VI Matrix A, B, or C. The buildings and associated flooring surfaces were noted to be in good condition with no visual foundation imperfections or staining that could be a potential source of vapor intrusion or indoor air contamination.

### Sample Point Installation and Vapor Sampling:

Vapor samples were collected from six co-located indoor air and sub-slab soil vapor locations within the original (i.e., central) building and five co-located indoor air and sub-slab soil vapor locations in each of the building additions as shown on **Figure 1**. Sub-slab sampling locations were collected from vapor monitoring points (VMPs) installed to a depth of 3" below the bottom of the slab using a 1/2" diameter hammer drill bit. The points consisted of a 3/8-inch Teflon-lined tube installed to the bottom of the slab and sealed on the surface with a non-volatile clay. The points were capped following installation until canisters were installed for sampling. In addition to the sixteen co-located samples, two ambient air sample were collected from an upwind location. The temporary locations were permanently abandoned with non-shrink concrete grout following sample collection.

The sample locations for soil gas and indoor air were co-located to assess potential correlations, if any, between soil gas and indoor air quality. The laboratory provided certified clean 6-liter SUMMA® canisters for sample collection, each with an initial vacuum of greater than 28 inches of mercury (Hg). Field pressure checks prior to sample collection confirmed that canisters were set with greater than 28 inches of Hg. Flow regulators were pre-set by the laboratory to provide uniform sample collection over the approximate 8-hour sampling period. Each sample point and sample collection apparatus was purged of three air volumes (calculated based on sampling train length) into a Tedlar bag. The samples were collected from the sub-slab locations over an approximate 8-hour period. Paired with the sub-slab samples, indoor air samplers were placed between 4 and 5 feet above the finished floor and set to concurrently collect air samples with the sub-slab gas samples over an approximate 8-hour period (to coincide with normal working hours). Sample collection logs are presented in **Attachment B**.

## Vapor Sample Analytical Results

Samples were submitted to SGS North America, Inc., Dayton, NJ, for analysis. All samples including ambient air, indoor air and sub-slab soil gas were analyzed for Volatile Organic Compounds (VOCs) in accordance with EPA Compendium Method TO-15 Compendium of Methods for the Determination of Toxic Organics Compounds in Ambient Air – Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS). The full analytical data set developed from the TO-15 method was then compared to the indoor air and sub-slab concentrations of eight specific constituents included in the NYSDOH Soil Vapor/Indoor Air Decision Matrix A, B, and C. A summary of this comparison for each of the three buildings is provided below (concentrations are reported in ug/m<sup>3</sup>).

In each of the tables, color shading represents the following necessary response actions in accordance with the NYSDOH vapor intrusion guidance document:

Yellow - Monitor

Orange - Monitor/Mitigate

Red – Mitigate

Table 1. Soil Vapor/Indoor Air Results for Western Building

| Sample Number          | WIA-1/<br>WSS-1 | WIA-2/<br>WSS-2 | WIA-3/<br>WSS-3 | WIA-4/<br>WSS-4 | WIA-5/<br>WSS-5 | AMB-1  | AMB-2 |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|-------|
| TCE                    | ND/74.7         | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND     | ND    |
| PCE                    | 0.95/8480a      | 1.3/25          | 1.2/1.8         | 0.95/30         | ND/2.2          | 0.29   | ND    |
| 1,1,1-TCE              | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND     | ND    |
| Carbon Tetrachloride   | 0.43 J/ND       | 0.45 J/ ND      | 0.42 J/ ND      | 0.43 J/ ND      | 0.44 J/ ND      | 0.42 J | ND    |
| Vinyl Chloride         | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND     | ND    |
| 1,1-Dichloroethene     | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND     | ND    |
| Cis-1,2-dichloroethene | ND/2.1 J        | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND     | ND    |
| Methylene Chloride     | 0.87/ND         | ND/ND           | 0.69/ND         | 0.73/ND         | 31/ND           | 0.69   | ND    |

a. Result is from Run #2

Analytical data collected from the five co-located indoor air and sub-slab samples in the Western Building included elevated concentrations of both TCE and PCE in sample WSS-1 located in the northwestern corner of the building. The concentration of TCE associated with sub-slab sample WSS-1 was 74.7 ug/m<sup>3</sup> and the sub-slab concentration in Matrix A of the NYSDOH vapor intrusion guidance document requiring mitigation is 60 ug/m<sup>3</sup> and above.

Similarly, the concentration of PCE associated with sub-slab sample WSS-1 was 8,480 ug/m<sup>3</sup> and the sub-slab concentration in Matrix B of the NYSDOH vapor intrusion guidance document is 1000 ug/m<sup>3</sup> and above.

The indoor air sample collected at location WIA5 (approximate center of the building) included a detection of Methylene Chloride at a concentration of 31 ug/m<sup>3</sup> however there was no sub-slab detection of Methylene Chloride and no products identified in the inventory to correlate this detection. Therefore, since the source has yet to be identified and could potentially be from building products such as paints, carpet glue, and/or construction adhesive or clothing and apparel products associated with warehousing operations within the building. Consistent with the NYSDOH Indoor Air/Sub-slab Matrix Table B (May 2017), the response will be to *“Identify Sources and Resample or Mitigate.”*

Table 2. Soil Vapor/Indoor Air Results for Central Building

| Sample Number              | IA-1/<br>SS-1 | IA-2/<br>SS-2 | IA-3/<br>SS-3 | IA-4/<br>SS-4 | IA-5/<br>SS-5 | IA-6/<br>SS-6 | AMB-<br>1/AMB-<br>2 |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------------|
| TCE                        | ND/2.9        | 0.35/ND       | 0.26/3.2      | ND/4.0        | ND/ND         | ND/ND         | ND/ND               |
| PCE                        | 1.0/149       | 0.52/7.5      | 1.2/66        | 0.51/753      | 0.95/279      | 1.1/1.4       | 0.29/ND             |
| 1,1,1-TCE                  | ND/ND         | ND/ND         | ND/ND         | ND/ND         | ND/ND         | ND/ND         | ND/ND               |
| Carbon Tetrachloride       | 0.42 J/<br>ND | 0.27 J/<br>ND | 0.43 J/ ND    | 0.43 J/<br>ND | 0.45 J/ ND    | 0.44 J/ ND    | 0.42<br>J/ND        |
| Vinyl Chloride             | ND/ND         | ND/ND         | 0.31 J/ ND    | ND/ND         | ND/ND         | ND/ND         | ND/ND               |
| 1,1-Dichloroethene         | ND/ND         | ND/ND         | ND/ND         | ND/ND         | ND/ND         | ND/ND         | ND/ND               |
| Cis-1,2-<br>dichloroethene | ND/ND         | 1.1/ND        | 1.3/ND        | ND/ND         | ND/ND         | ND/ND         | ND/ND               |
| Methylene Chloride         | 0.76/ND       | 0.94/9.7      | 0.69/ND       | 12/3.3        | ND/ND         | 4.9/9.4       | 0.69/ND             |

Similar to the indoor air sample collected at location WIA5, three sample locations (specifically IA-2/SS-2, IA-3/SS-3, and IA-4/SS-4) in the Central Building detected concentrations of various constituents in a ratio of indoor air vs. sub-slab concentrations that require a response action consistent with the NYSDOH Indoor Air/Sub-slab Matrix Tables to *“Identify Sources and Resample or Mitigate.”* As shown in the table above (and highlighted in yellow), these constituents include Vinyl Chloride, Cis-1,2-dichloroethene, and Methylene Chloride. The source of these constituents has yet to be identified and could potentially be from building products such as paints, carpet glue, and/or construction adhesive or clothing and apparel products associated with warehousing operations within the building.

Table 3. Soil Vapor/Indoor Air Results for Eastern Building

| Sample Number              | EIA-1/<br>ESS-1 | EIA-2/<br>ESS-2 | EIA-3/<br>ESS-3 | EIA-4/<br>ESS-4 | EIA-5/<br>ESS-5 | Amb-<br>1/AMB-<br>2 |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|
| TCE                        | 0.23/ND         | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND               |
| PCE                        | 2.0/ND          | ND/1.7          | 1.4/40          | 0.88/29         | 1.2/2.4         | 0.29/ND             |
| 1,1,1-TCE                  | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND               |
| Carbon Tetrachloride       | 0.53 J/<br>ND   | ND/ND           | 0.43 J/<br>ND   | 0.42 J/<br>ND   | 0.43 J/<br>ND   | 0.42<br>J/ND        |
| Vinyl Chloride             | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND               |
| 1,1-Dichloroethene         | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND               |
| Cis-1,2-<br>dichloroethene | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND           | ND/ND               |
| Methylene Chloride         | 0.94/5.2        | 14/ND           | 0.8/ND          | 1.3/ND          | 0.9/ND          | 0.69/ND             |

As shown in the table above, the ratio of indoor air and subslab vapor concentrations at each of the sampling locations do not exceed concentrations that require a response action consistent with the NYSDOH Indoor Air/Sub-slab Matrix Tables.

Reference **Attachment C** for all analytical data provided by Accutest Laboratories including equipment calibration, “clean certification” of sample canisters, and indoor air, sub-slab, and outside ambient sample results.

### Description and Performance Evaluation of Existing SSD Systems

Sub-slab to indoor air differential pressure is induced by roof top skid mounted blowers and a sub-slab vapor extraction piping. A brief description of the sub-slab differential pressure system for each building is provided below:

#### Central Building:

- Roton Model DR565K58X 3-horsepower Regenerative Blower
- Equipment skid including moisture separator, vacuum/pressure gauges, and control panel
- Two-inch diameter vapor extraction well (Well 1) terminating 23 feet below slab, screened from 13 to 23 feet below slab, and located near building column K-5.
- Two-inch diameter vapor extraction well (Well 2) terminating 23 feet below slab, screened from 13 to 23 feet below slab, and located near building column H-4.
- Shortly after acquisition of the property by Stellae, sub-slab differential pressure testing demonstrated the need for the installation of three additional extraction points in the Central Building. In 2018, additional extraction points

were installed in the northeast, southeast, and southwest quadrants of the facility.

Eastern Supplemental Blower:

- Roton Model DR757CK72X 4-horsepower Regenerative Blower
- Equipment skid including moisture separator, vacuum/pressure gauges, and control panel
- Three-inch diameter vapor extraction point terminating immediately below the slab located near building column I-13.
- Three-inch diameter vapor extraction point terminating immediately below the slab located near building column F.2-13.
- SSDS sub-slab perforated PVC piping

Western Supplemental Blower:

- Roton Model DR757CK72X 4-horsepower Regenerative Blower
- Equipment skid including moisture separator, vacuum/pressure gauges, and control panel
- Three-inch diameter vapor extraction point terminating immediately below the slab located near building column I-13.
- Three-inch diameter vapor extraction point terminating immediately below the slab located near building column C.8-5.
- SSDS sub-slab perforated PVC piping

Prior to the start of sample collection activities, physical inspection of the system components (i.e., blower, moisture separator, control panel, and suction piping) was performed and general operational characteristics of the equipment were noted.

Following installation of SSDS sub-slab sampling ports, pressure differential testing was performed to evaluate the effectiveness of the SSDS by recording the pressure difference between the indoor air space and the sub-slab using Infiltec® handheld micromanometers which was compared to the NYSDOH vapor intrusion guidance criteria of negative 0.004 inches of water column. A summary of this information is presented in the table below:

Table 2a. SSDS Pressure Differentials for Eastern Building

| Vapor Monitoring Point | Vapor Monitoring Point Location | Sub-Slab Pressure Differential (IWC <sup>1</sup> ) |
|------------------------|---------------------------------|----------------------------------------------------|
| WSS-1                  | Northwest Corner                | 0.041                                              |
| WSS-2                  | Northeast Corner                | 0.020                                              |
| WSS-3                  | Southeast Corner                | 0.026                                              |
| WSS-4                  | Southwest Corner                | 0.046                                              |
| WSS-5                  | Center of Building              | 0.066                                              |

Table 2b. SSDS Pressure Differentials for Central Building

| Vapor Monitoring Point | Vapor Monitoring Point Location | Sub-Slab Pressure Differential (IWC <sup>1</sup> ) |
|------------------------|---------------------------------|----------------------------------------------------|
| SS-1                   | Northwest Corner                | 0.016                                              |
| SS-2                   | Northeast Corner                | 0.015                                              |
| SS-3                   | Southeast Corner                | 0.006                                              |
| SS-4                   | Southwest Corner                | 0.016                                              |
| SS-5                   | Cologne Storage Room            | 0.185                                              |
| SS-6                   | East of Atrium                  | 0.045                                              |

Table 2c. SSDS Pressure Differentials for Eastern Building

| Vapor Monitoring Point | Vapor Monitoring Point Location | Sub-Slab Pressure Differential (IWC <sup>1</sup> ) |
|------------------------|---------------------------------|----------------------------------------------------|
| ESS-1                  | Northwest Corner                | 0.026                                              |
| ESS-2                  | Northeast Corner                | 0.007                                              |
| ESS-3                  | Southeast Corner                | 0.010                                              |
| ESS-4                  | Southwest Corner                | 0.036                                              |
| ESS-5                  | Center of Building              | 0.024                                              |

As shown in the tables above, the differential pressure in each location tested is above the NYSDOH recommended value of 0.004 IWC or greater.

Note 1 – IWC is the Abbreviation for Inches Water Column

### Conclusions and Recommendations

Results of the inspection, testing, and laboratory vapor analysis documented above indicate that with the exception of sample collection location WIA-1/WSS-1, the sub-slab vapor intrusion mitigation systems throughout the eastern, central, and western buildings are effective in maintaining sub-slab and indoor air vapor concentrations that are below concentrations requiring additional response actions in accordance with the NYSDOH vapor intrusion guidance criteria.

It appears that the localized concentrations of TCE and PCE at location WSS-1 are due to sub-surface releases of chemicals associated with historic manufacturing operations prior to Stellae ownership. Since the sub-slab to indoor air pressure differential at this location is approximately 10 times higher than the recommended minimum pressure differential (0.041 IWC actual vs. .004 IWC recommended) and the sub-slab concentration of PCE is approximately 8.5 times higher than the NYSDOH VI Guidance value (i.e., Matrix B) requiring mitigation at this location, the data suggests a fairly strong source area is present near the northeast corner of the western building addition.

As a first step towards reducing sub-slab vapor concentrations in the area, Arcadis recommends evaluating the set points of the isolation valves associated with the vapor conveyance piping network to impart addition vacuum to this part of the system. Once appropriate adjustments have been made (if possible), Arcadis recommends resampling the sub-slab concentrations at the WSS-1 location following approximately two weeks of operation at the new valve positions to evaluate the impacts of the proposed changes.

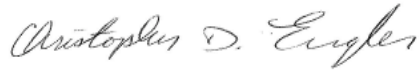
Additionally, at locations WIA-5, IA-2, IA-3, and IA-4, concentrations of various constituents were detected in a ratio of indoor air vs. sub-slab concentrations that require a response action consistent with the NYSDOH Indoor Air/Sub-slab Matrix Tables to *"Identify Sources and Resample or Mitigate"*. Since these constituents were either not detected or detected in significantly lower concentrations in sub-slab samples as compared to the indoor air concentrations at these sample locations, the detections appear to be associated with chemical usage within the building space (and not a result of vapor intrusion from the sub-slab). Arcadis recommends that Stellae evaluate possible sources for these chemical constituents and remove them from the building if possible.

February 18 2020

If you have any questions or require additional information, please feel free to call me at 315-409-6579.

Sincerely,

Arcadis U.S., Inc.



Christopher Engler, P.E.  
Vice President

Copies:

Carl Daguiard, Stellae International

George Daguiard, Stellae International

Figures

1- Site Plan

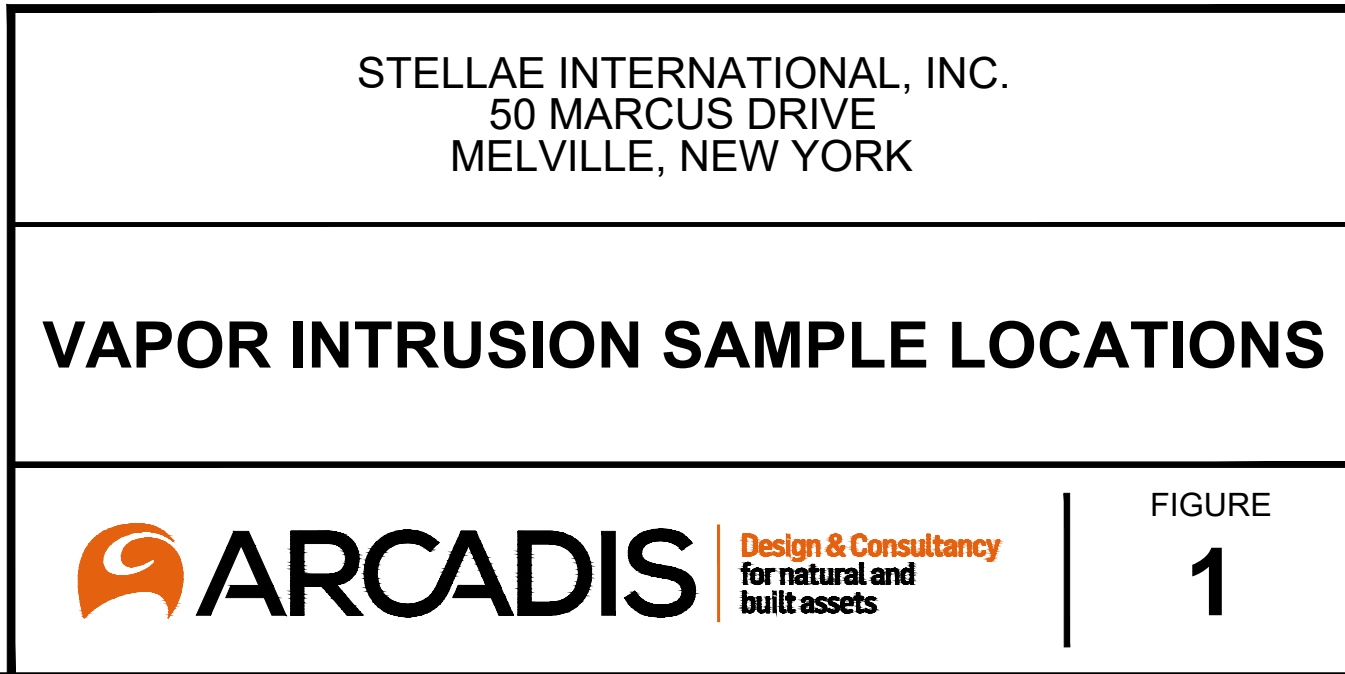
Attachments

A - Building Assessment Forms

B - Sample Collection Logs

C - Lab Report

**Figure 1**  
***Site Plan***



**Attachment A**  
***Building Assessment Forms***

**Building Survey and Product Inventory Form**

Directions: This form must be completed for each residence or area involved in indoor air testing.

Preparer's Name: Albina Redzepagic

Date/Time Prepared: 12/17/2019 / 22:00

Preparer's Affiliation: Arcadis U.S., Inc.

Phone No.: 212-365-4651

Purpose of Investigation: Vapor intrusion sampling background

**1. OCCUPANT:**

Interviewed: ☒ Y ☐ N

Last Name: \_\_\_\_\_ First Name: Nelson

Address: Queens NY

County: \_\_\_\_\_

Home Phone: 516-384-9291 Office Phone: \_\_\_\_\_

Number of Occupants/Persons at this Location: ~30

Age of Occupants: over 20 years

**2. OWNER OR LANDLORD: (Check if Same as Occupant ☐)**

Interviewed: Y ☒ ☐ N

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Address: \_\_\_\_\_

County: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Office Phone: \_\_\_\_\_

**3. BUILDING CHARACTERISTICS:****Type of Building:** (circle appropriate response)

Residential

School

Commercial/Multi-use

Industrial

Church

Other: \_\_\_\_\_

**If the Property is Residential, Type?** (circle appropriate response)

Ranch

2-Family 3-Family

Raised Ranch

Split Level

Colonial

Cape Cod

Contemporary

Mobile Home

Duplex

Apartment House

Townhouses/Condos

Modular

Log Home

Other: \_\_\_\_\_

**If Multiple Units, How Many?** \_\_\_\_\_**If the Property is Commercial, Type?**Business Type(s) Warehouse w/ office spaceDoes it include residences (i.e., multi-use)? Y / (N) If yes, how many? \_\_\_\_\_**Other Characteristics:**Number of Floors 2 Building Age \_\_\_\_\_Is the Building Insulated? (Y) / NHow Air-Tight? Tight (Average) Not Tight**4. AIRFLOW:****Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:****Airflow Between Floors**

Open space concept between warehouse & ground floor) & office space (2<sup>nd</sup> floor). Roll up doors on ground floors not air tight. Air flows from ground floor up.

Airflow Near Source

Ware house, open floor concept, doors kept open during day.

Outdoor Air Infiltration

Roll doors in East & West wings of the warehouse.  
Not air tight.

Infiltration Into Air Ducts

Air ducts throughout the warehouse. Insulation in tact.

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS: (circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other \_\_\_\_\_
- c. Basement floor: concrete dirt stone other N/A
- d. Basement floor: uncovered covered covered with \_\_\_\_\_
- e. Concrete floor: unsealed sealed sealed with Epoxy
- f. Foundation walls: poured block stone other Glass w/ Aluminum frame
- g. Foundation walls: unsealed sealed sealed with Paint
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y (N)
- k. Water in sump? Y/N NA

Basement/lowest level depth below grade: 0 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Minor cracks in floor.

Are the basement walls or floor sealed with waterproof paint or epoxy coatings?

(Y) / N

6. HEATING, VENTILATING, AND AIR CONDITIONING: (circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation

Heat pump

Hot water baseboard

Space heaters

Stream radiation

Radiant floor

Electric baseboard

Wood stove

Outdoor wood boiler

Other \_\_\_\_\_

The primary type of fuel used is:

Natural base

Fuel oil

Kerosene

Electric

Propane

Solar

Wood coal

Domestic hot water tank fueled by: \_\_\_\_\_

Boiler/furnace located in: Basement Outdoors Main Floor Other \_\_\_\_\_

Air conditioning: Central Air Window Units Open Windows None

Are there air distribution ducts present?

(Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

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**7. OCCUPANCY:**

| Is basement/lowest level occupied? | Full-time | Occasionally | Seldom | Almost Never |
|------------------------------------|-----------|--------------|--------|--------------|
|------------------------------------|-----------|--------------|--------|--------------|

**General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage):**

Basement Slab

1st Floor Warehouse

2nd Floor Office space

3rd Floor \_\_\_\_\_

4th Floor \_\_\_\_\_

**8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY:**

**a. Is there an attached garage?**

INDOOR AIR QUALITY: Y (N) but loading/off loading

b. Does the garage have a separate heating unit? Y / N / NA

**c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, ATV, car)?**

Y / N / (NA) Please specify:

d. Has the building ever had a fire? Y ☒ N ☐ When? \_\_\_\_\_

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? \_\_\_\_\_

f. Is there a workshop or hobby/craft area? (Y) N Where & Type? \_\_\_\_\_

g. Is there smoking in the building? Y (N) How frequently? Cigaretts found in the store area

h. Have cleaning products been used recently? (Y) / N When & Type? Everyday / Floor & glass cleaners

i. Have cosmetic products been used recently? ☒ Y / ☐ N When & Type? *Ev<sup>ry</sup> day / stored in warehouse*

j. **Has painting/staining been done in the last 6 months?** Y (N) Where & When? \_\_\_\_\_

k. Is there new carpet, drapes or other textiles? ☒ N Where & When? 1st Floor Every day

l. Have air fresheners been used recently? Y (N) When & Type? \_\_\_\_\_

m. Is there a kitchen exhaust fan? (Y) / N If yes, where Capek na

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Roof

**o. Is there a clothes dryer?** Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? (Y)/N When & Type? \_\_\_\_\_

q. Are there odors in the building? (Y)/N

If yes, please describe: New fabrics / leather / perfume

Do any of the building occupants use solvents (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist) at work? (Y)/N

If yes, what types of solvents are used? Cosmetological, polishes for glass

If yes, are their clothes washed at work? (Y)/N

Do any of the building occupants regularly use or work at a dry-cleaning service? (circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

No

Yes, use dry-cleaning infrequently (monthly or less)

Unknown

Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? (Y)/N

Date of Installation: 2004

Is the system active or passive? Active/Passive

Are there any Outside Contaminant Sources? (circle appropriate responses)

Contaminated site with 1000-foot radius? Y / N Specify \_\_\_\_\_

Other stationary sources nearby (e.g., gas stations, emission stacks, etc.): \_\_\_\_\_

Heavy vehicle traffic nearby (or other mobile sources): Loading docks on SE & SW corners.

## 9. WATER AND SEWAGE:

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: \_\_\_\_\_

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: \_\_\_\_\_

**10. RELOCATION INFORMATION:** (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: \_\_\_\_\_

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

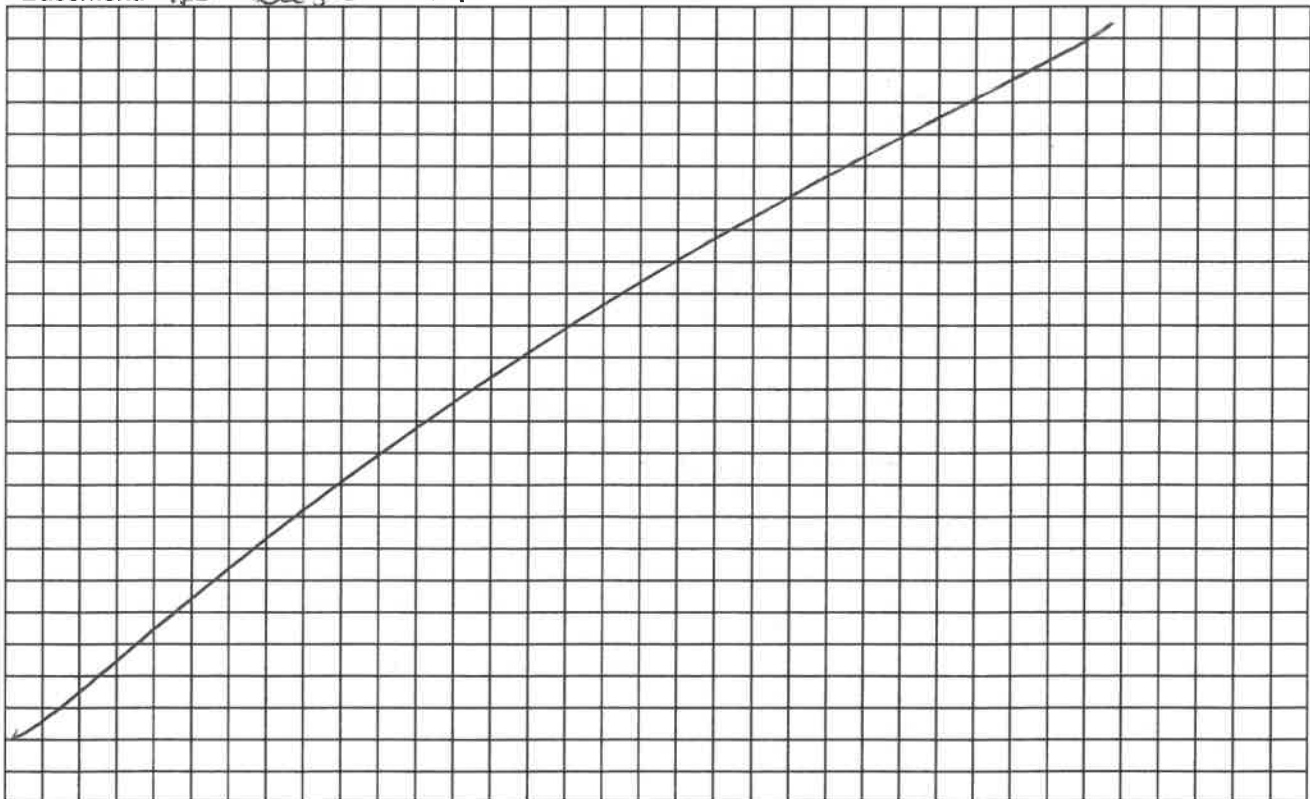
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

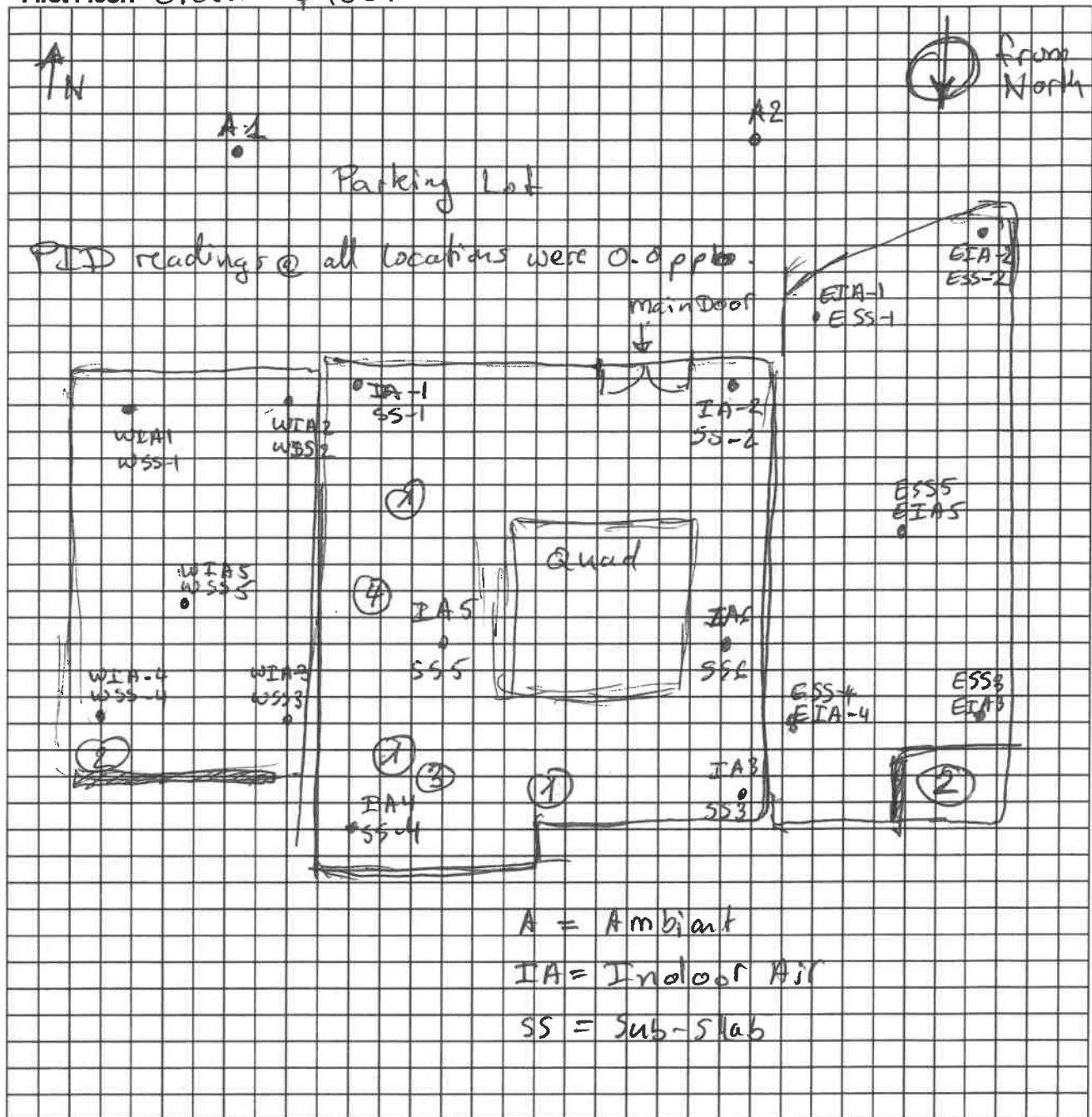
**11. FLOOR PLANS:**

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement: *NO Basement*



First Floor: Ground floor



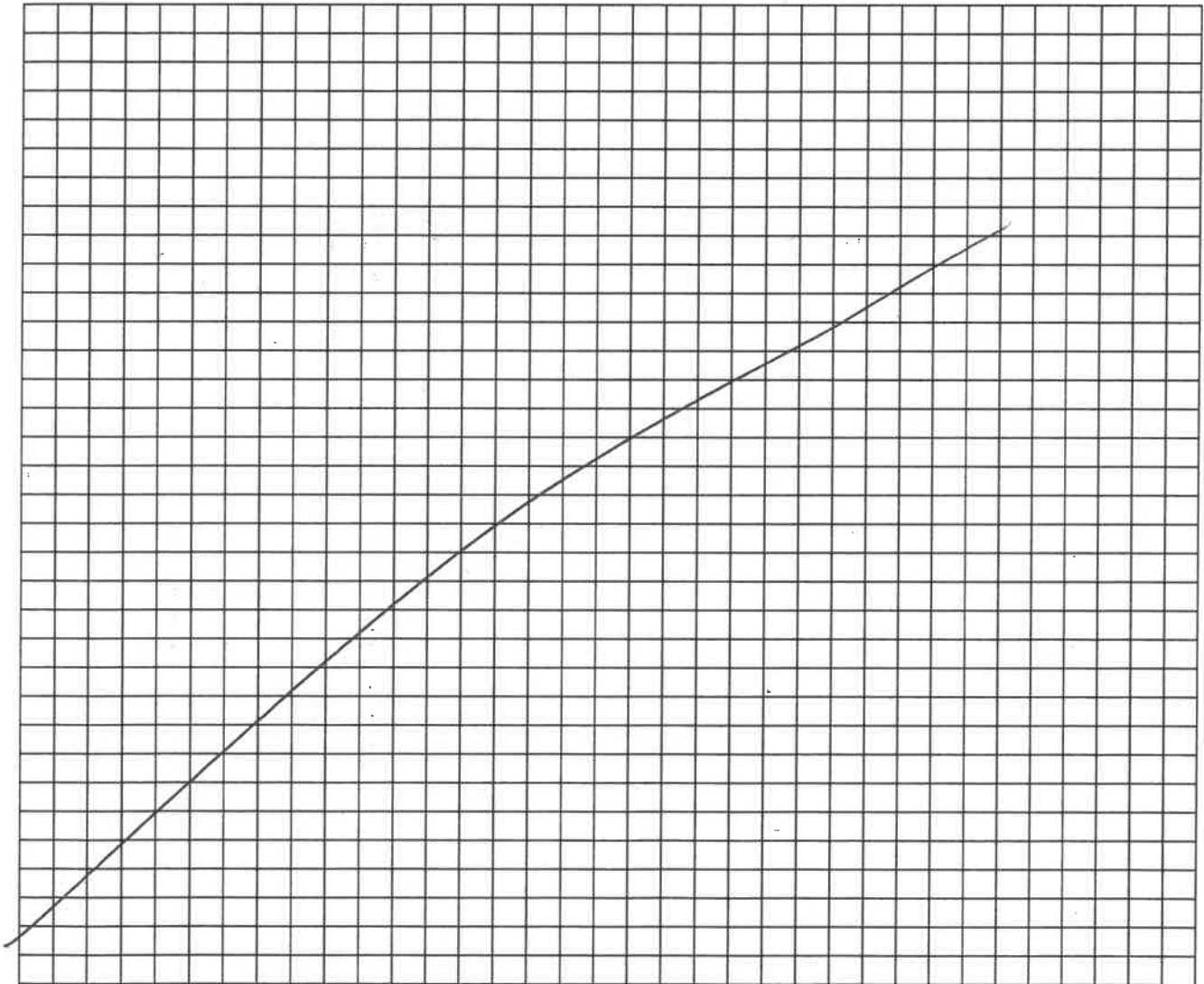
Notes:

- ① Cleaning Supplies.
- ② Loading dock.
- ③ Lunch Room
- ④ Tool Cabinet

## 12. OUTDOOR PLOT:

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s), and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM:

Make and Model of field instrument used: Mini Rae 5000 (19889)

List specific products found in the residence or area that have the potential to affect indoor air quality (e.g., gasoline or kerosene storage cans, glues, paints, cleaning solvents/products, polishes/waxes, new furniture/ carpet, nail polish/hairspray/cologne).

Ambient Air

| Location             | Product Description | Size (units)      | Condition*      | Chemical Ingredients                                                          | Field Instrument Reading (units) ppb | Photo** Y/N |
|----------------------|---------------------|-------------------|-----------------|-------------------------------------------------------------------------------|--------------------------------------|-------------|
| West Ware house      | Cosmetic            | 5 gal units       | sealed          | NA                                                                            | 0.0                                  | y           |
|                      | Rec'd material      | > 20 on side      |                 | (MSD on Request)                                                              |                                      |             |
|                      | Motor Oil           | 1/4 gal           | used/capped     | petroleum                                                                     | 0.0                                  | yes         |
|                      | Epoxy               | 7x 5 gal          | used/new closed | unknown                                                                       | 0.0                                  | yes         |
|                      |                     |                   |                 |                                                                               |                                      |             |
|                      |                     |                   |                 |                                                                               |                                      |             |
|                      | Paint (DB)          | 10x 1 gal         | used & New      | petroleum, titanium dioxide, Ethyl benzene, silica                            | 0.0                                  | yes         |
|                      | WD-40               | 3 cans            | used            |                                                                               | 0.0                                  | yes         |
| Lunch Room           | Degreasers          | 2 gal             | used            |                                                                               | 0.0                                  | yes         |
| Kitchen              | Glass Cleaner       | ~ 3 gal           | used            | 2-hydroxyethanol, ammonium hydroxide, isopropanolamine, sodium dodecylbenzene | 0.0                                  | yes         |
|                      | Door Cleaner        | ~ 3 spray cans    | used            |                                                                               | 0.0                                  | yes         |
|                      | Detergents          | 1 gal             | used            |                                                                               |                                      |             |
|                      | Bugspray            | ~ 6 spray cans    | used/New        | Pyrethrins, Piperonyl butoxide, Permethrin                                    | 0.0                                  | yes         |
| Tool Cabinet         | D-Alcohol           | 1/4 gal           | Used            | isopropanol, methyl ethyl ketone, benzene                                     | 0.0                                  | yes         |
|                      | Cleaners            | ~ 3 spray bottles | used            |                                                                               | 0.0                                  | yes         |
|                      | Paint cans          | ~ 5 cans          | used            | Alcohol                                                                       | 0.0                                  | yes         |
| Central Bldg. ~ IA-2 | Perfumes            | 750 gal           | New/Sealed      | Alcohol                                                                       | 0.0                                  | yes         |

**Attachment B**  
***Sample Collection Logs***

|                                                                                   |                                  |                                                     |                 |
|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | AMB-1           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Outdoor         |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 4'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 22:20 / 5:17    |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 22:20 | -23                                |                  |                       |                 |                                    |           |
| 12/18/19 | 05:17 | -4                                 |                  |                       |                 |                                    |           |
|          |       |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | M107           |
| Flow Controller ID: | FC133          |
| Notes:              | Start: -23 Hg  |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | AMB-2           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Outdoor         |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 2'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 22:20/05:17     |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 22:20 | -23                                |                  |                       |                 |                                    |           |
| 12/18/19 | 05:17 | -11                                |                  |                       |                 |                                    |           |
|          |       |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |               |
|---------------------|---------------|
| Size (circle one):  | 1 L    6 L    |
| Canister ID:        | A845          |
| Flow Controller ID: | FC732         |
| Notes:              | Start: -23 Hg |

**General Observations/Notes:**

|                                                   |
|---------------------------------------------------|
| Gauge stuck at -23 in default, disconnected state |
|                                                   |
|                                                   |

|                                                                                   |                                  |                                                     |                 |
|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | IA-1            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 8'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 22:09 / 5:57    |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 22:09 | -30                                |                  |                       |                 |                                    | 1ppm      |
| 12/18/19 | 05:37 | -11                                |                  |                       |                 |                                    |           |
| 12/18/19 | 05:57 | -9.5                               |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A324           |
| Flow Controller ID: | MC104          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|                                                                                   |                                  |                                              |                 |
|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | SS-1            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 22:09 / 5:57    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | -----           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 22:09 | -30                                |                  |                       |                 |                                    | PPM       |
| 12/18/19 | 5:37  | -6                                 |                  |                       |                 |                                    |           |
| 12/18/19 | 5:57  | -4                                 |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A442           |
| Flow Controller ID: | FC437          |
| Notes:              | Start: -29.5   |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | IA-2            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 4'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 22001           |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | -----           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2202 | -30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 6:15 | -7                                 |                  |                       |                 |                                    | 0.2       |
|          |      |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A262           |
| Flow Controller ID: | MC183          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID: <u>SS-2</u>                                  |                 |
| <b>Client:</b>                                                                    | Stellae International, Inc.      | <b>Outdoor/Indoor:</b>                                  | <u>Indoor</u>   |
| <b>Project:</b>                                                                   | 50 Marcus Drive                  | <b>Sample Intake Height:</b>                            | <u>0' (SS)</u>  |
| <b>Location:</b>                                                                  | Farmingdale, NY                  | <b>Tubing Information:</b>                              | Teflon, 1/4" ID |
| <b>Project #:</b>                                                                 | 30004624.00008                   | <b>Miscellaneous Equipment:</b>                         |                 |
| <b>Samplers:</b>                                                                  | Robert Arnold, Albina Redzepagic | <b>Time On/Off:</b>                                     | <u>22:02 /</u>  |
| <b>Sample Point Location:</b>                                                     |                                  | <b>Subcontractor:</b>                                   | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|-------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 22:02 | -28.5                                 |                     |                       |                    |                                       | VP44         |
| 12/18/19 | 6:15  | -5                                    |                     |                       |                    |                                       | 0.2          |
|          |       |                                       |                     |                       |                    |                                       |              |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                     |
|---------------------|---------------------|
| Size (circle one):  | 1 L <u>6 L</u>      |
| Canister ID:        | <u>A642</u>         |
| Flow Controller ID: | <u>FC481</u>        |
| Notes:              | <u>Start: -28.5</u> |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                              | IA-3            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                         | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                                   | 31              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                     | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                                |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                            | 2200 / 5:52     |
| Sample Point Location:                                                            |                                  | Subcontractor:                                          | -----           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|-------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 22:00 | -27                                   |                     |                       |                    |                                       | ppm          |
| 12/18/19 | 5:52  | -6                                    |                     |                       |                    |                                       | 0.3          |
|          |       |                                       |                     |                       |                    |                                       |              |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |              |
|---------------------|--------------|
| Size (circle one):  | 1 L      6 L |
| Canister ID:        | A302         |
| Flow Controller ID: | FC568        |
| Notes:              | Start: -27   |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                              | SS-3            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                         | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                                   | SS-01           |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                     | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                                |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                            | 2200 / 5:53     |
| Sample Point Location:                                                            |                                  | Subcontractor:                                          | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 22:00 | ~30                                |                  |                       |                 |                                    | from      |
| 12/18/19 | 5:53  | ~14                                |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <b>6 L</b> |
| Canister ID:        | M403           |
| Flow Controller ID: | FC661          |
| Notes:              | Start: ~30     |

**General Observations/Notes:**

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| Quick Connect |
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|                                                                                   |                                  |                                                         |                 |
|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                 |
|                                                                                   |                                  | <b>Sample ID:</b>                                       | IA-4            |
| <b>Client:</b>                                                                    | Stellae International, Inc.      | <b>Outdoor/Indoor:</b>                                  | Indoor          |
| <b>Project:</b>                                                                   | 50 Marcus Drive                  | <b>Sample Intake Height:</b>                            | 3'              |
| <b>Location:</b>                                                                  | Farmingdale, NY                  | <b>Tubing Information:</b>                              | Teflon, 1/4" ID |
| <b>Project #:</b>                                                                 | 30004624.00008                   | <b>Miscellaneous Equipment:</b>                         |                 |
| <b>Samplers:</b>                                                                  | Robert Arnold, Albina Redzepagic | <b>Time On/Off:</b>                                     | 21:58 / 6:04    |
| <b>Sample Point Location:</b>                                                     |                                  | <b>Subcontractor:</b>                                   | -----           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|-------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/17 | 21:58 | -2.9                                  |                     |                       |                    |                                       |              |
| 12/18/17 | 06:04 | -5.5                                  |                     |                       |                    |                                       |              |
|          |       |                                       |                     |                       |                    |                                       |              |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                            |             |
|----------------------------|-------------|
| <b>Size (circle one):</b>  | 1 L    6 L  |
| <b>Canister ID:</b>        | A1081       |
| <b>Flow Controller ID:</b> | FC565       |
| <b>Notes:</b>              | Start: -2.9 |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|----------------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                      |
|                                                                                   |                                  | Sample ID:                                   | <del>SS-4</del> SS-4 |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor               |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 0' (SS)              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID      |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                      |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 21:58 / 6:04         |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____                |

**Instrument Readings:**

| Date    | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb)          |
|---------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|--------------------|
| 2/17/19 | 21:58 | -29                                |                  |                       |                 |                                    | <del>ppb</del> ppm |
| 2/18/19 | 06:04 | -5                                 |                  |                       |                 |                                    | 0.2                |
|         |       |                                    |                  |                       |                 |                                    |                    |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A1088          |
| Flow Controller ID: | FC674          |
| Notes:              | Start: -29     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|----------------------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                            |
|                                                                                   |                                  | Sample ID:                                              | IA-5                       |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                         | Indoor                     |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                                   | 3'                         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                     | <del>Teflon, 1/4" ID</del> |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                                |                            |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                            | 2208 / 6:01                |
| Sample Point Location:                                                            |                                  | Subcontractor:                                          | -----                      |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb)<br><i>PPM</i> |
|----------|------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|----------------------------|
| 12/17/19 | 2208 | -30                                   |                     |                       |                    |                                       |                            |
| 12/18/19 | 0601 | -9                                    |                     |                       |                    |                                       | 0.2                        |
|          |      |                                       |                     |                       |                    |                                       |                            |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A226           |
| Flow Controller ID: | FC492          |
| Notes:              | Start : -30    |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | SS-5            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 22:07 / 6:01    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 22:07 | -30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 06:01 | -10                                |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | M105           |
| Flow Controller ID: | FC275          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

|                                   |
|-----------------------------------|
| "Leak" written on Flow Controller |
|                                   |
|                                   |

|                                                                                   |                                  |                                              |                 |
|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | IA-6            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | I               |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 22:04           |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
|      | 22:04 | -30*                               |                  |                       |                 |                                    | ppb       |
|      | 05:32 | -30*                               |                  |                       |                 |                                    | 0.2       |
|      | 06:13 | -30*                               |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |            |
|---------------------|------------|
| Size (circle one):  | 1 L    6 L |
| Canister ID:        | A345       |
| Flow Controller ID: | FC618      |
| Notes:              | Start: -30 |

**General Observations/Notes:**

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| * Gauge stuck at -30 |
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|                                                                                   |                                  |                                              |                 |
|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | SS - 6          |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 22:04 / 6:12    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|-------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 22:04 | -28                                   |                     |                       |                    |                                       | ppm          |
| 12/18/19 | 05:32 | -6                                    |                     |                       |                    |                                       |              |
| 12/18/19 | 06:12 | -4                                    |                     |                       |                    |                                       | 0.2          |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A1205          |
| Flow Controller ID: | FC667          |
| Notes:              | Start: -28     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                              | EIA-1           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                         | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                                   | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                     | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                                |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                            | 2207 / 609      |
| Sample Point Location:                                                            |                                  | Subcontractor:                                          | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 2207 | -30                                   |                     |                       |                    |                                       | ppb          |
| 12/18/19 | 609  | -8                                    |                     |                       |                    |                                       | 0.2          |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | M207           |
| Flow Controller ID: | FC710          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | ESS-1           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2207 610        |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 2207 | ~29                                   |                     |                       |                    |                                       | ppb          |
| 12/18/19 | 610  | ~5                                    |                     |                       |                    |                                       | 0.2          |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |              |
|---------------------|--------------|
| Size (circle one):  | 1 L      6 L |
| Canister ID:        | A248         |
| Flow Controller ID: | FC542        |
| Notes:              | Start: -29   |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | EIA-2           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2205 / 605      |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2205 | ~30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 6:05 | -8                                 |                  |                       |                 |                                    | 0.2       |
|          |      |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                  |
|---------------------|------------------|
| Size (circle one):  | 1 L <u>6 L</u>   |
| Canister ID:        | A363             |
| Flow Controller ID: | FC686            |
| Notes:              | Note: Start: -30 |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | ESS-2           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2205            |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2205 | -30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 0:06 | -8.5                               |                  |                       |                 |                                    | 0.2       |
|          |      |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |              |
|---------------------|--------------|
| Size (circle one):  | 1 L      6 L |
| Canister ID:        | M129         |
| Flow Controller ID: | MC092        |
| Notes:              | Start: -30   |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | EIA - 3         |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2204 / 601      |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | -----           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 2204 | -30                                   |                     |                       |                    |                                       |              |
| 12/18/19 | 6:01 | -11.5                                 |                     |                       |                    |                                       | 0.2          |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |              |
|---------------------|--------------|
| Size (circle one):  | 1 L      6 L |
| Canister ID:        | A316         |
| Flow Controller ID: | MC109        |
| Notes:              | Start: -30   |

**General Observations/Notes:**

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## Indoor Air/Ambient Air Sample Collection Log

|                        |                                  |                          |                 |
|------------------------|----------------------------------|--------------------------|-----------------|
|                        |                                  | Sample ID:               | ESS-3           |
| Client:                | Stellae International, Inc.      | Outdoor/Indoor:          | Indoor          |
| Project:               | 50 Marcus Drive                  | Sample Intake Height:    | 0' CSS          |
| Location:              | Farmingdale, NY                  | Tubing Information:      | Teflon, 1/4" ID |
| Project #:             | 30004624.00008                   | Miscellaneous Equipment: |                 |
| Samplers:              | Robert Arnold, Albina Redzepagic | Time On/Off:             | 2204 / 602      |
| Sample Point Location: |                                  | Subcontractor:           |                 |

### Instrument Readings:

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2204 | -30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 6:02 | -18                                |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

### SUMMA Canister Information:

|                     |            |
|---------------------|------------|
| Size (circle one):  | 1 L (6 L)  |
| Canister ID:        | A224       |
| Flow Controller ID: | FC472      |
| Notes:              | Start: -30 |

### General Observations/Notes:

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | EIA-4           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2203 / 5:57     |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2203 | -30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 5:57 | -3                                 |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A1006          |
| Flow Controller ID: | MC205          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | ESS - 4         |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2202 / 5:58     |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (PPM) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2202 | -29                                |                  |                       |                 |                                    |           |
| 12/18/19 | 5:58 | -7                                 |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <b>6 L</b> |
| Canister ID:        | M404           |
| Flow Controller ID: | FC533          |
| Notes:              | Start: -29     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | EIA -5          |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2208 - 612      |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2208 | -29                                |                  |                       |                 |                                    | ppb       |
| 12/18/19 | 612  | -5                                 |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                  |
|---------------------|------------------|
| Size (circle one):  | 1 L <u>(6 L)</u> |
| Canister ID:        | A284             |
| Flow Controller ID: | FC179            |
| Notes:              | Start: -29       |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | ESS-5           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 2208            |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | -----           |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2208 | -30                                |                  |                       |                 |                                    | ppb       |
| 12/18/19 | 614  | -7.5                               |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | M307           |
| Flow Controller ID: | FC562          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | W1A-1           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 4'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            | —               |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 21:47 / 05:42   |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | —————           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) PPM |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|---------------|
| 12/17/19 | 21:47 | -30                                |                  |                       |                 |                                    | —             |
| 12/18/19 | 05:42 | -7                                 |                  |                       |                 |                                    | 0.3           |
|          |       |                                    |                  |                       |                 |                                    |               |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <b>6 L</b> |
| Canister ID:        | LA2352         |
| Flow Controller ID: | FC585          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | WSS-1           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 55              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     | _____           |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 21:47 / 5:43    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) <i>ppm</i> |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|----------------------|
| 12/17/19 | 21:47 | ~30                                |                  |                       |                 |                                    |                      |
| 12/18/19 | 5:43  | ~5                                 |                  |                       |                 |                                    | 0.3                  |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A775           |
| Flow Controller ID: | FC642          |
| Notes:              | Start: -29.5   |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | W1A-2           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 21:49 / 5:48    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               |                 |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 21:49 | -30                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 5:48  | -8                                 |                  |                       |                 |                                    | 0.3       |
|          |       |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A195           |
| Flow Controller ID: | FC713          |
| Notes:              | Start: -30     |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|--------------------|
|  |                                  | <b>Indoor Air/Ambient Air<br/>Sample Collection Log</b> |                    |
|                                                                                   |                                  | Sample ID:                                              | <del>#</del> WSS-2 |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                         | Indoor             |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                                   | SS                 |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                     | Teflon, 1/4" ID    |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                                | —                  |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                            | 21:49 / 5:48       |
| Sample Point Location:                                                            |                                  | Subcontractor:                                          | —                  |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb)<br>ppm |
|----------|-------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|---------------------|
| 12/17/19 | 21:49 | -30                                   |                     |                       |                    |                                       | —                   |
| 12/18/19 | 05:48 | -8.5                                  |                     |                       |                    |                                       | 0.3                 |
|          |       |                                       |                     |                       |                    |                                       |                     |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | M238           |
| Flow Controller ID: | FC294          |
| Notes:              | -30 Start      |

**General Observations/Notes:**

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|                                                                                   |                                  |                                              |                 |
|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | WIA-3           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 21:51 / 5:51    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a)<br>(inches of Hg) | Temperature<br>(°F) | Relative Humidity (%) | Air Speed<br>(mph) | Barometric Pressure<br>(inches of Hg) | PID<br>(ppb) |
|----------|-------|---------------------------------------|---------------------|-----------------------|--------------------|---------------------------------------|--------------|
| 12/17/19 | 21:51 | -2.9                                  |                     |                       |                    |                                       | 1.0          |
| 12/18/19 | 05:51 | -8.5                                  |                     |                       |                    |                                       | 0.2          |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A1074          |
| Flow Controller ID: | MC098          |
| Notes:              | Start: -2.9    |

**General Observations/Notes:**

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|                                                                                   |                                  |                                              |                 |
|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | WSS-3           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 21:51 / 5:51    |
| Sample Point Location:                                                            |                                  | Subcontractor:                               | -----           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) ppm |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|---------------|
| 12/17/19 | 21:51 | -30                                |                  |                       |                 |                                    | ~             |
| 12/18/19 | 05:51 | -7                                 |                  |                       |                 |                                    | 0.2           |
|          |       |                                    |                  |                       |                 |                                    |               |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |            |
|---------------------|------------|
| Size (circle one):  | 1 L (6 L)  |
| Canister ID:        | A1051      |
| Flow Controller ID: | FC581      |
| Notes:              | Start: -30 |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | WIA-4           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     | —               |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 21:45 / 5:41    |
| Sample Point Location:                                                            | West warehouse                   | Subcontractor:                               | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 21:45 | -30                                |                  |                       |                 |                                    |           |
| 12/18/19 | 5:41  | -8                                 |                  |                       |                 |                                    | 0.2ppm    |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |              |
|---------------------|--------------|
| Size (circle one):  | 1 L      6 L |
| Canister ID:        | A831         |
| Flow Controller ID: | C233         |
| Notes:              | Start: -30   |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | WSS-4           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor (SS)     |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | SS              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            | —               |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 21:45 / 5:41    |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | —               |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 21:45 | -28.5                              |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 5:41  | -10                                |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |              |
|---------------------|--------------|
| Size (circle one):  | 1 L (6 L)    |
| Canister ID:        | M229         |
| Flow Controller ID: | FC730        |
| Notes:              | Start: -28.5 |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------|-----------------|
|  |                                  | Indoor Air/Ambient Air Sample Collection Log |                 |
|                                                                                   |                                  | Sample ID:                                   | WIAS            |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                              | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                        | 3'              |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                          | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                     |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                 | 2:50 / 5:46     |
| Sample Point Location:                                                            |                                  | Subcontractor:                               |                 |

**Instrument Readings:**

| Date     | Time | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 2:50 | -30                                |                  |                       |                 |                                    | ppb       |
| 12/18/19 | 5:46 | -6                                 |                  |                       |                 |                                    | 0.2       |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |            |
|---------------------|------------|
| Size (circle one):  | 1 L (6 L)  |
| Canister ID:        | A883       |
| Flow Controller ID: | MC126      |
| Notes:              | Start: -29 |

**General Observations/Notes:**

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|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-----------------|
|  |                                  | <b>Indoor Air/Ambient Air Sample Collection Log</b> |                 |
|                                                                                   |                                  | Sample ID:                                          | W55-5           |
| Client:                                                                           | Stellae International, Inc.      | Outdoor/Indoor:                                     | Indoor          |
| Project:                                                                          | 50 Marcus Drive                  | Sample Intake Height:                               | 0' (SS)         |
| Location:                                                                         | Farmingdale, NY                  | Tubing Information:                                 | Teflon, 1/4" ID |
| Project #:                                                                        | 30004624.00008                   | Miscellaneous Equipment:                            |                 |
| Samplers:                                                                         | Robert Arnold, Albina Redzepagic | Time On/Off:                                        | 21:50 / 05:46   |
| Sample Point Location:                                                            |                                  | Subcontractor:                                      | _____           |

**Instrument Readings:**

| Date     | Time  | Canister Vacuum (a) (inches of Hg) | Temperature (°F) | Relative Humidity (%) | Air Speed (mph) | Barometric Pressure (inches of Hg) | PID (ppb) |
|----------|-------|------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-----------|
| 12/17/19 | 21:50 | -29                                |                  |                       |                 |                                    | ppm       |
| 12/18/19 | 05:46 | -9                                 |                  |                       |                 |                                    | 0.2       |
|          |       |                                    |                  |                       |                 |                                    |           |

(a) Record canister information at a minimum at the beginning and end of sampling

**SUMMA Canister Information:**

|                     |                |
|---------------------|----------------|
| Size (circle one):  | 1 L <u>6 L</u> |
| Canister ID:        | A888           |
| Flow Controller ID: | FC331          |
| Notes:              | Start: -29     |

**General Observations/Notes:**

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|  |

**Attachment C**

***Lab Report***

The results set forth herein are provided by SGS North America Inc.

**e-Hardcopy 2.0**  
Automated Report

## Technical Report for

Arcadis

Stellae International, NY

30004624.00008

SGS Job Number: JD743

Sampling Date: 12/18/19

Report to:

Arcadis  
2 Huntington Quad Suite 1S10  
Melville, NY 11747  
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Jeffrey.Conte@arcadis.com  
ATTN: Albina Redzepagic

Total number of pages in report: **217**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Laura Degenhardt  
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number | Collected Date | Time By | Received | Matrix Code | Type | Client Sample ID |
|---------------|----------------|---------|----------|-------------|------|------------------|
|---------------|----------------|---------|----------|-------------|------|------------------|

This report contains results reported as ND = Not detected. The following applies:  
Organics ND = Not detected above the MDL

|          |          |       |    |          |     |                   |       |
|----------|----------|-------|----|----------|-----|-------------------|-------|
| JD743-1  | 12/18/19 | 05:42 | AR | 12/20/19 | AIR | Indoor Air Comp.  | WIA-1 |
| JD743-2  | 12/18/19 | 05:43 | AR | 12/20/19 | AIR | Soil Vapor Comp.  | WSS-1 |
| JD743-3  | 12/18/19 | 05:48 | AR | 12/20/19 | AIR | Indoor Air Comp.  | WIA-2 |
| JD743-4  | 12/18/19 | 05:48 | AR | 12/20/19 | AIR | Soil Vapor Comp.  | WSS-2 |
| JD743-5  | 12/18/19 | 05:51 | AR | 12/20/19 | AIR | Indoor Air Comp.  | WIA-3 |
| JD743-6  | 12/18/19 | 05:51 | AR | 12/20/19 | AIR | Soil Vapor Comp.  | WSS-3 |
| JD743-7  | 12/18/19 | 05:41 | AR | 12/20/19 | AIR | Indoor Air Comp.  | WIA-4 |
| JD743-8  | 12/18/19 | 05:41 | AR | 12/20/19 | AIR | Soil Vapor Comp.  | WSS-4 |
| JD743-9  | 12/18/19 | 05:46 | AR | 12/20/19 | AIR | Indoor Air Comp.  | WIA-5 |
| JD743-10 | 12/18/19 | 05:46 | AR | 12/20/19 | AIR | Soil Vapor Comp.  | WSS-5 |
| JD743-11 | 12/18/19 | 05:17 | AR | 12/20/19 | AIR | Ambient Air Comp. | AMB-1 |
| JD743-12 | 12/18/19 | 05:17 | AR | 12/20/19 | AIR | Ambient Air Comp. | AMB-2 |



Sample Summary  
(continued)

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number | Collected Date | Time By  | Received | Matrix Code | Type             | Client Sample ID |
|---------------|----------------|----------|----------|-------------|------------------|------------------|
| JD743-13      | 12/18/19       | 05:57 AR | 12/20/19 | AIR         | Indoor Air Comp. | IA-1             |
| JD743-14      | 12/18/19       | 05:57 AR | 12/20/19 | AIR         | Soil Vapor Comp. | SS-1             |
| JD743-15      | 12/18/19       | 06:15 AR | 12/20/19 | AIR         | Indoor Air Comp. | IA-2             |
| JD743-16      | 12/18/19       | 06:15 AR | 12/20/19 | AIR         | Soil Vapor Comp. | SS-2             |
| JD743-17      | 12/18/19       | 05:52 AR | 12/20/19 | AIR         | Indoor Air Comp. | IA-3             |
| JD743-18      | 12/18/19       | 05:53 AR | 12/20/19 | AIR         | Soil Vapor Comp. | SS-3             |
| JD743-19      | 12/18/19       | 06:04 AR | 12/20/19 | AIR         | Indoor Air Comp. | IA-4             |
| JD743-20      | 12/18/19       | 06:04 AR | 12/20/19 | AIR         | Soil Vapor Comp. | SS-4             |
| JD743-21      | 12/18/19       | 06:01 AR | 12/20/19 | AIR         | Indoor Air Comp. | IA-5             |
| JD743-22      | 12/18/19       | 06:01 AR | 12/20/19 | AIR         | Soil Vapor Comp. | SS-5             |
| JD743-23      | 12/18/19       | 06:13 AR | 12/20/19 | AIR         | Indoor Air Comp. | IA-6             |
| JD743-24      | 12/18/19       | 06:12 AR | 12/20/19 | AIR         | Soil Vapor Comp. | SS-6             |
| JD743-25      | 12/18/19       | 06:09 AR | 12/20/19 | AIR         | Indoor Air Comp. | EIA-1            |



Sample Summary  
(continued)

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number | Collected Date | Time By  | Received | Matrix Code | Type             | Client Sample ID |
|---------------|----------------|----------|----------|-------------|------------------|------------------|
| JD743-26      | 12/18/19       | 06:10 AR | 12/20/19 | AIR         | Soil Vapor Comp. | ESS-1            |
| JD743-27      | 12/18/19       | 06:05 AR | 12/20/19 | AIR         | Indoor Air Comp. | EIA-2            |
| JD743-28      | 12/18/19       | 06:06 AR | 12/20/19 | AIR         | Soil Vapor Comp. | ESS-2            |
| JD743-29      | 12/18/19       | 06:01 AR | 12/20/19 | AIR         | Indoor Air Comp. | EIA-3            |
| JD743-30      | 12/18/19       | 06:02 AR | 12/20/19 | AIR         | Soil Vapor Comp. | ESS-3            |
| JD743-31      | 12/18/19       | 05:57 AR | 12/20/19 | AIR         | Indoor Air Comp. | EIA-4            |
| JD743-32      | 12/18/19       | 05:58 AR | 12/20/19 | AIR         | Soil Vapor Comp. | ESS-4            |
| JD743-33      | 12/18/19       | 06:12 AR | 12/20/19 | AIR         | Indoor Air Comp. | EIA-5            |
| JD743-34      | 12/18/19       | 06:14 AR | 12/20/19 | AIR         | Soil Vapor Comp. | ESS-5            |

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Arcadis

**Job No** JD743

**Site:** Stellae International, NY

**Report Date** 1/3/2020 5:18:43 PM

On 12/20/2019, 34 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. A SGS North America Inc. Job Number of JD743 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

### MS Volatiles By Method TO-15

**Matrix:** AIR

**Batch ID:** V5W1625

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD743-7DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-29 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

**Matrix:** AIR

**Batch ID:** V5W1626

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD743-34DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD743-33 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

**Matrix:** AIR

**Batch ID:** V6W645

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD743-2DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Hexachlorobutadiene are outside control limits for sample JD743-2DUP. High RPD due to low concentration of hit
- JD743-14 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.
- JD743-20 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

**Matrix:** AIR

**Batch ID:** V6W646

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD734-1DUP were used as the QC samples indicated.
- JD743-14: Confirmation run.
- JD743-20: Confirmation run.
- JD743-14 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.
- JD743-20 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Friday, January 03, 2020

Page 1 of 2

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID           | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|-------------------------|------------------|-----------------|-------|-------|-------|--------|
| JD743-1                 | WIA-1            |                 |       |       |       |        |
| Acetone                 |                  | 18.2            | 0.20  | 0.11  | ppbv  | TO-15  |
| Benzene                 |                  | 0.15 J          | 0.20  | 0.012 | ppbv  | TO-15  |
| Carbon disulfide        |                  | 0.76            | 0.20  | 0.024 | ppbv  | TO-15  |
| Chloromethane           |                  | 0.46            | 0.20  | 0.015 | ppbv  | TO-15  |
| Carbon tetrachloride    |                  | 0.068 J         | 0.20  | 0.024 | ppbv  | TO-15  |
| Cyclohexane             |                  | 3.4             | 0.20  | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane |                  | 0.41            | 0.20  | 0.017 | ppbv  | TO-15  |
| Ethanol                 |                  | 33.8            | 0.50  | 0.22  | ppbv  | TO-15  |
| Ethylbenzene            |                  | 0.16 J          | 0.20  | 0.015 | ppbv  | TO-15  |
| Ethyl Acetate           |                  | 5.8             | 0.20  | 0.038 | ppbv  | TO-15  |
| Heptane                 |                  | 0.59            | 0.20  | 0.018 | ppbv  | TO-15  |
| Hexane                  |                  | 0.15 J          | 0.20  | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol       |                  | 3.1             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methylene chloride      |                  | 0.25            | 0.20  | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone     |                  | 2.9             | 0.20  | 0.042 | ppbv  | TO-15  |
| Styrene                 |                  | 0.16 J          | 0.20  | 0.019 | ppbv  | TO-15  |
| 1,2,4-Trimethylbenzene  |                  | 0.10 J          | 0.20  | 0.033 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol  |                  | 0.79            | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene     |                  | 0.14            | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran         |                  | 0.16 J          | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                 |                  | 3.0             | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane  |                  | 0.20            | 0.20  | 0.028 | ppbv  | TO-15  |
| m,p-Xylene              |                  | 0.46            | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                |                  | 0.31            | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)         |                  | 0.78            | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                 |                  | 43.2            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                 |                  | 0.48 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide        |                  | 2.4             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane           |                  | 0.95            | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride    |                  | 0.43 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane             |                  | 12              | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane |                  | 2.0             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                 |                  | 63.7            | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene            |                  | 0.69 J          | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate           |                  | 21              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                 |                  | 2.4             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                  |                  | 0.53 J          | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol       |                  | 7.6             | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride      |                  | 0.87            | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone     |                  | 8.6             | 0.59  | 0.12  | ug/m3 | TO-15  |
| Styrene                 |                  | 0.68 J          | 0.85  | 0.081 | ug/m3 | TO-15  |
| 1,2,4-Trimethylbenzene  |                  | 0.49 J          | 0.98  | 0.16  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol  |                  | 2.4             | 0.61  | 0.042 | ug/m3 | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Tetrachloroethylene      |                  | 0.95            | 0.27 | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.47 J          | 0.59 | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 11              | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.0             | 0.87 | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.3             | 0.87 | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 3.4             | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-2 WSS-1

|                          |  |        |      |       |       |       |
|--------------------------|--|--------|------|-------|-------|-------|
| Acetone                  |  | 77.2   | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide         |  | 0.81   | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloroform               |  | 0.72 J | 0.80 | 0.080 | ppbv  | TO-15 |
| Cyclohexane              |  | 0.72 J | 0.80 | 0.088 | ppbv  | TO-15 |
| cis-1,2-Dichloroethylene |  | 0.54 J | 0.80 | 0.047 | ppbv  | TO-15 |
| Ethanol                  |  | 23.0   | 2.0  | 0.87  | ppbv  | TO-15 |
| Hexachlorobutadiene      |  | 0.69 J | 0.80 | 0.18  | ppbv  | TO-15 |
| Isopropyl Alcohol        |  | 1.4    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methyl ethyl ketone      |  | 12.3   | 0.80 | 0.17  | ppbv  | TO-15 |
| Propylene                |  | 3.2    | 2.0  | 0.064 | ppbv  | TO-15 |
| Tertiary Butyl Alcohol   |  | 2.7    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene      |  | 1250   | 1.6  | 1.2   | ppbv  | TO-15 |
| Toluene                  |  | 0.48 J | 0.80 | 0.058 | ppbv  | TO-15 |
| Trichloroethylene        |  | 13.9   | 0.16 | 0.076 | ppbv  | TO-15 |
| Trichlorofluoromethane   |  | 2.6    | 1.6  | 1.1   | ppbv  | TO-15 |
| Acetone                  |  | 183    | 1.9  | 1.1   | ug/m3 | TO-15 |
| Carbon disulfide         |  | 2.5    | 2.5  | 0.29  | ug/m3 | TO-15 |
| Chloroform               |  | 3.5 J  | 3.9  | 0.39  | ug/m3 | TO-15 |
| Cyclohexane              |  | 2.5 J  | 2.8  | 0.30  | ug/m3 | TO-15 |
| cis-1,2-Dichloroethylene |  | 2.1 J  | 3.2  | 0.19  | ug/m3 | TO-15 |
| Ethanol                  |  | 43.3   | 3.8  | 1.6   | ug/m3 | TO-15 |
| Hexachlorobutadiene      |  | 7.4 J  | 8.5  | 1.9   | ug/m3 | TO-15 |
| Isopropyl Alcohol        |  | 3.4    | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methyl ethyl ketone      |  | 36.3   | 2.4  | 0.50  | ug/m3 | TO-15 |
| Propylene                |  | 5.5    | 3.4  | 0.11  | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol   |  | 8.2    | 2.4  | 0.17  | ug/m3 | TO-15 |
| Tetrachloroethylene      |  | 8480   | 11   | 8.1   | ug/m3 | TO-15 |
| Toluene                  |  | 1.8 J  | 3.0  | 0.22  | ug/m3 | TO-15 |
| Trichloroethylene        |  | 74.7   | 0.86 | 0.41  | ug/m3 | TO-15 |
| Trichlorofluoromethane   |  | 15     | 9.0  | 6.2   | ug/m3 | TO-15 |

### JD743-3 WIA-2

|         |  |        |      |       |      |       |
|---------|--|--------|------|-------|------|-------|
| Acetone |  | 19.8   | 0.20 | 0.11  | ppbv | TO-15 |
| Benzene |  | 0.15 J | 0.20 | 0.012 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Carbon disulfide         |                  | 0.76            | 0.20  | 0.024 | ppbv  | TO-15  |
| Chloromethane            |                  | 0.58            | 0.20  | 0.015 | ppbv  | TO-15  |
| Carbon tetrachloride     |                  | 0.071 J         | 0.20  | 0.024 | ppbv  | TO-15  |
| Cyclohexane              |                  | 3.6             | 0.20  | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane  |                  | 0.42            | 0.20  | 0.017 | ppbv  | TO-15  |
| Ethanol                  |                  | 34.6            | 0.50  | 0.22  | ppbv  | TO-15  |
| Ethylbenzene             |                  | 0.14 J          | 0.20  | 0.015 | ppbv  | TO-15  |
| Ethyl Acetate            |                  | 5.7             | 0.20  | 0.038 | ppbv  | TO-15  |
| Heptane                  |                  | 0.63            | 0.20  | 0.018 | ppbv  | TO-15  |
| Hexane                   |                  | 0.16 J          | 0.20  | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol        |                  | 3.3             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 3.2             | 0.20  | 0.042 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 0.88            | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.19            | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran          |                  | 0.17 J          | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                  |                  | 2.8             | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.21            | 0.20  | 0.028 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 0.37            | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                 |                  | 0.25            | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 0.63            | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 47.0            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.48 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 2.4             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.2             | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.45 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 12              | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 65.2            | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 0.61 J          | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 21              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 2.6             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.56 J          | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 8.1             | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 9.4             | 0.59  | 0.12  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 2.7             | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.3             | 0.27  | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.50 J          | 0.59  | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 11              | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.2             | 1.1   | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 1.6             | 0.87  | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.1             | 0.87  | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 2.7             | 0.87  | 0.074 | ug/m3 | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|--------------------------|------------------|-----------------|----|-----|-------|--------|
|--------------------------|------------------|-----------------|----|-----|-------|--------|

### JD743-4 WSS-2

|                        |        |      |       |       |       |
|------------------------|--------|------|-------|-------|-------|
| Acetone                | 127    | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide       | 3.1    | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloromethane          | 0.58 J | 0.80 | 0.061 | ppbv  | TO-15 |
| Cyclohexane            | 1.5    | 0.80 | 0.088 | ppbv  | TO-15 |
| Ethanol                | 96.4   | 2.0  | 0.87  | ppbv  | TO-15 |
| Isopropyl Alcohol      | 5.1    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methyl ethyl ketone    | 10.0   | 0.80 | 0.17  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol | 3.1    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene    | 3.7    | 0.16 | 0.12  | ppbv  | TO-15 |
| Toluene                | 1.4    | 0.80 | 0.058 | ppbv  | TO-15 |
| m,p-Xylene             | 0.41 J | 0.80 | 0.14  | ppbv  | TO-15 |
| Xylenes (total)        | 0.41 J | 0.80 | 0.068 | ppbv  | TO-15 |
| Acetone                | 302    | 1.9  | 1.1   | ug/m3 | TO-15 |
| Carbon disulfide       | 9.7    | 2.5  | 0.29  | ug/m3 | TO-15 |
| Chloromethane          | 1.2 J  | 1.7  | 0.13  | ug/m3 | TO-15 |
| Cyclohexane            | 5.2    | 2.8  | 0.30  | ug/m3 | TO-15 |
| Ethanol                | 182    | 3.8  | 1.6   | ug/m3 | TO-15 |
| Isopropyl Alcohol      | 13     | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methyl ethyl ketone    | 29.5   | 2.4  | 0.50  | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | 9.4    | 2.4  | 0.17  | ug/m3 | TO-15 |
| Tetrachloroethylene    | 25     | 1.1  | 0.81  | ug/m3 | TO-15 |
| Toluene                | 5.3    | 3.0  | 0.22  | ug/m3 | TO-15 |
| m,p-Xylene             | 1.8 J  | 3.5  | 0.61  | ug/m3 | TO-15 |
| Xylenes (total)        | 1.8 J  | 3.5  | 0.30  | ug/m3 | TO-15 |

### JD743-5 WIA-3

|                         |         |      |       |      |       |
|-------------------------|---------|------|-------|------|-------|
| Acetone                 | 16.8    | 0.20 | 0.11  | ppbv | TO-15 |
| Benzene                 | 0.14 J  | 0.20 | 0.012 | ppbv | TO-15 |
| Carbon disulfide        | 0.69    | 0.20 | 0.024 | ppbv | TO-15 |
| Chloromethane           | 0.47    | 0.20 | 0.015 | ppbv | TO-15 |
| Carbon tetrachloride    | 0.066 J | 0.20 | 0.024 | ppbv | TO-15 |
| Cyclohexane             | 3.2     | 0.20 | 0.022 | ppbv | TO-15 |
| Dichlorodifluoromethane | 0.42    | 0.20 | 0.017 | ppbv | TO-15 |
| Ethanol                 | 38.8    | 0.50 | 0.22  | ppbv | TO-15 |
| Ethylbenzene            | 0.18 J  | 0.20 | 0.015 | ppbv | TO-15 |
| Ethyl Acetate           | 5.9     | 0.20 | 0.038 | ppbv | TO-15 |
| Heptane                 | 0.59    | 0.20 | 0.018 | ppbv | TO-15 |
| Hexane                  | 0.14 J  | 0.20 | 0.011 | ppbv | TO-15 |
| Isopropyl Alcohol       | 3.5     | 0.20 | 0.065 | ppbv | TO-15 |
| Methylene chloride      | 0.20    | 0.20 | 0.015 | ppbv | TO-15 |
| Methyl ethyl ketone     | 2.7     | 0.20 | 0.042 | ppbv | TO-15 |
| Styrene                 | 0.12 J  | 0.20 | 0.019 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Tertiary Butyl Alcohol   |                  | 1.0             | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.18            | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran          |                  | 0.24            | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                  |                  | 3.4             | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.19 J          | 0.20  | 0.028 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 0.51            | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                 |                  | 0.33            | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 0.84            | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 39.9            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.45 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 2.1             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 0.97            | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.42 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 11              | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 73.1            | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 0.78 J          | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 21              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 2.4             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.49 J          | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 8.6             | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.69            | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 8.0             | 0.59  | 0.12  | ug/m3 | TO-15  |
| Styrene                  |                  | 0.51 J          | 0.85  | 0.081 | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 3.0             | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.2             | 0.27  | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.71            | 0.59  | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 13              | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1 J           | 1.1   | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.2             | 0.87  | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.4             | 0.87  | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 3.6             | 0.87  | 0.074 | ug/m3 | TO-15  |

### JD743-6 WSS-3

|                        |        |      |       |      |       |
|------------------------|--------|------|-------|------|-------|
| Acetone                | 25.6   | 0.80 | 0.45  | ppbv | TO-15 |
| Carbon disulfide       | 1.5    | 0.80 | 0.094 | ppbv | TO-15 |
| Chloromethane          | 0.48 J | 0.80 | 0.061 | ppbv | TO-15 |
| Cyclohexane            | 1.7    | 0.80 | 0.088 | ppbv | TO-15 |
| Ethanol                | 46.6   | 2.0  | 0.87  | ppbv | TO-15 |
| Ethyl Acetate          | 1.3    | 0.80 | 0.15  | ppbv | TO-15 |
| Isopropyl Alcohol      | 2.6    | 0.80 | 0.26  | ppbv | TO-15 |
| Methyl ethyl ketone    | 1.8    | 0.80 | 0.17  | ppbv | TO-15 |
| Tertiary Butyl Alcohol | 2.1    | 0.80 | 0.055 | ppbv | TO-15 |
| Tetrachloroethylene    | 0.27   | 0.16 | 0.12  | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Toluene                  |                  | 2.6             | 0.80 | 0.058 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 0.65 J          | 0.80 | 0.14  | ppbv  | TO-15  |
| Xylenes (total)          |                  | 0.65 J          | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                  |                  | 60.8            | 1.9  | 1.1   | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 4.7             | 2.5  | 0.29  | ug/m3 | TO-15  |
| Chloromethane            |                  | 0.99 J          | 1.7  | 0.13  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 5.9             | 2.8  | 0.30  | ug/m3 | TO-15  |
| Ethanol                  |                  | 87.8            | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 4.7             | 2.9  | 0.54  | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 6.4             | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 5.3             | 2.4  | 0.50  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 6.4             | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.8             | 1.1  | 0.81  | ug/m3 | TO-15  |
| Toluene                  |                  | 9.8             | 3.0  | 0.22  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.8 J           | 3.5  | 0.61  | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 2.8 J           | 3.5  | 0.30  | ug/m3 | TO-15  |

### JD743-7 WIA-4

|                         |         |       |       |      |       |
|-------------------------|---------|-------|-------|------|-------|
| Acetone                 | 20.7    | 0.20  | 0.11  | ppbv | TO-15 |
| Benzene                 | 0.18 J  | 0.20  | 0.012 | ppbv | TO-15 |
| Carbon disulfide        | 0.82    | 0.20  | 0.024 | ppbv | TO-15 |
| Chloromethane           | 0.50    | 0.20  | 0.015 | ppbv | TO-15 |
| Carbon tetrachloride    | 0.069 J | 0.20  | 0.024 | ppbv | TO-15 |
| Cyclohexane             | 3.5     | 0.20  | 0.022 | ppbv | TO-15 |
| 1,2-Dichloroethane      | 0.15 J  | 0.20  | 0.021 | ppbv | TO-15 |
| Dichlorodifluoromethane | 0.43    | 0.20  | 0.017 | ppbv | TO-15 |
| Ethanol                 | 37.1    | 0.50  | 0.22  | ppbv | TO-15 |
| Ethylbenzene            | 0.22    | 0.20  | 0.015 | ppbv | TO-15 |
| Ethyl Acetate           | 6.4     | 0.20  | 0.038 | ppbv | TO-15 |
| Heptane                 | 0.71    | 0.20  | 0.018 | ppbv | TO-15 |
| Hexane                  | 0.21    | 0.20  | 0.011 | ppbv | TO-15 |
| Isopropyl Alcohol       | 3.2     | 0.20  | 0.065 | ppbv | TO-15 |
| Methylene chloride      | 0.21    | 0.20  | 0.015 | ppbv | TO-15 |
| Methyl ethyl ketone     | 3.4     | 0.20  | 0.042 | ppbv | TO-15 |
| Styrene                 | 0.14 J  | 0.20  | 0.019 | ppbv | TO-15 |
| 1,2,4-Trimethylbenzene  | 0.13 J  | 0.20  | 0.033 | ppbv | TO-15 |
| Tertiary Butyl Alcohol  | 0.90    | 0.20  | 0.014 | ppbv | TO-15 |
| Tetrachloroethylene     | 0.14    | 0.040 | 0.031 | ppbv | TO-15 |
| Tetrahydrofuran         | 0.19 J  | 0.20  | 0.050 | ppbv | TO-15 |
| Toluene                 | 4.1     | 0.20  | 0.014 | ppbv | TO-15 |
| Trichlorofluoromethane  | 0.21    | 0.20  | 0.028 | ppbv | TO-15 |
| m,p-Xylene              | 0.68    | 0.20  | 0.034 | ppbv | TO-15 |
| o-Xylene                | 0.44    | 0.20  | 0.017 | ppbv | TO-15 |
| Xylenes (total)         | 1.1     | 0.20  | 0.017 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Acetone                  |                  | 49.2            | 0.48 | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.58 J          | 0.64 | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 2.6             | 0.62 | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.0             | 0.41 | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.43 J          | 1.3  | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 12              | 0.69 | 0.076 | ug/m3 | TO-15  |
| 1,2-Dichloroethane       |                  | 0.61 J          | 0.81 | 0.085 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99 | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 69.9            | 0.94 | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 0.96            | 0.87 | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 23              | 0.72 | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 2.9             | 0.82 | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.74            | 0.70 | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 7.9             | 0.49 | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.73            | 0.69 | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 10              | 0.59 | 0.12  | ug/m3 | TO-15  |
| Styrene                  |                  | 0.60 J          | 0.85 | 0.081 | ug/m3 | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 0.64 J          | 0.98 | 0.16  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 2.7             | 0.61 | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 0.95            | 0.27 | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.56 J          | 0.59 | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 15              | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.2             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 3.0             | 0.87 | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.9             | 0.87 | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 4.8             | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-8 WSS-4

|                        |        |      |       |      |       |
|------------------------|--------|------|-------|------|-------|
| Acetone                | 171    | 5.9  | 3.3   | ppbv | TO-15 |
| Benzene                | 0.59 J | 0.80 | 0.048 | ppbv | TO-15 |
| Carbon disulfide       | 9.3    | 0.80 | 0.094 | ppbv | TO-15 |
| Chlorobenzene          | 1.4    | 0.80 | 0.10  | ppbv | TO-15 |
| Cyclohexane            | 1.4    | 0.80 | 0.088 | ppbv | TO-15 |
| 1,4-Dioxane            | 0.62 J | 0.80 | 0.21  | ppbv | TO-15 |
| o-Dichlorobenzene      | 7.9    | 0.80 | 0.087 | ppbv | TO-15 |
| p-Dichlorobenzene      | 0.64 J | 0.80 | 0.070 | ppbv | TO-15 |
| Ethanol                | 59.9   | 2.0  | 0.87  | ppbv | TO-15 |
| Ethylbenzene           | 0.62 J | 0.80 | 0.060 | ppbv | TO-15 |
| 4-Ethyltoluene         | 0.50 J | 0.80 | 0.12  | ppbv | TO-15 |
| 2-Hexanone             | 0.96   | 0.80 | 0.15  | ppbv | TO-15 |
| Isopropyl Alcohol      | 5.5    | 0.80 | 0.26  | ppbv | TO-15 |
| Methyl ethyl ketone    | 30.0   | 0.80 | 0.17  | ppbv | TO-15 |
| Methyl Isobutyl Ketone | 1.0    | 0.80 | 0.14  | ppbv | TO-15 |
| 1,2,4-Trimethylbenzene | 3.6    | 0.80 | 0.13  | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| 1,3,5-Trimethylbenzene   |                  | 1.8             | 0.80 | 0.13  | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 3.0             | 0.80 | 0.055 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 4.4             | 0.16 | 0.12  | ppbv  | TO-15  |
| Toluene                  |                  | 1.8             | 0.80 | 0.058 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 2.1             | 0.80 | 0.14  | ppbv  | TO-15  |
| o-Xylene                 |                  | 0.84            | 0.80 | 0.068 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 2.9             | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                  |                  | 406             | 14   | 7.8   | ug/m3 | TO-15  |
| Benzene                  |                  | 1.9 J           | 2.6  | 0.15  | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 29              | 2.5  | 0.29  | ug/m3 | TO-15  |
| Chlorobenzene            |                  | 6.4             | 3.7  | 0.46  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 4.8             | 2.8  | 0.30  | ug/m3 | TO-15  |
| 1,4-Dioxane              |                  | 2.2 J           | 2.9  | 0.76  | ug/m3 | TO-15  |
| o-Dichlorobenzene        |                  | 47              | 4.8  | 0.52  | ug/m3 | TO-15  |
| p-Dichlorobenzene        |                  | 3.8 J           | 4.8  | 0.42  | ug/m3 | TO-15  |
| Ethanol                  |                  | 113             | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 2.7 J           | 3.5  | 0.26  | ug/m3 | TO-15  |
| 4-Ethyltoluene           |                  | 2.5 J           | 3.9  | 0.59  | ug/m3 | TO-15  |
| 2-Hexanone               |                  | 3.9             | 3.3  | 0.61  | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 14              | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 88.5            | 2.4  | 0.50  | ug/m3 | TO-15  |
| Methyl Isobutyl Ketone   |                  | 4.1             | 3.3  | 0.57  | ug/m3 | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 18              | 3.9  | 0.64  | ug/m3 | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 8.8             | 3.9  | 0.64  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 9.1             | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 30              | 1.1  | 0.81  | ug/m3 | TO-15  |
| Toluene                  |                  | 6.8             | 3.0  | 0.22  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 9.1             | 3.5  | 0.61  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 3.6             | 3.5  | 0.30  | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 13              | 3.5  | 0.30  | ug/m3 | TO-15  |

### JD743-9 WIA-5

|                         |         |      |       |      |       |
|-------------------------|---------|------|-------|------|-------|
| Acetone                 | 5.5     | 0.20 | 0.11  | ppbv | TO-15 |
| Benzene                 | 0.15 J  | 0.20 | 0.012 | ppbv | TO-15 |
| Carbon disulfide        | 0.13 J  | 0.20 | 0.024 | ppbv | TO-15 |
| Chloromethane           | 0.45    | 0.20 | 0.015 | ppbv | TO-15 |
| Carbon tetrachloride    | 0.070 J | 0.20 | 0.024 | ppbv | TO-15 |
| Cyclohexane             | 0.54    | 0.20 | 0.022 | ppbv | TO-15 |
| Dichlorodifluoromethane | 0.43    | 0.20 | 0.017 | ppbv | TO-15 |
| Ethanol                 | 9.0     | 0.50 | 0.22  | ppbv | TO-15 |
| Ethyl Acetate           | 1.0     | 0.20 | 0.038 | ppbv | TO-15 |
| Heptane                 | 0.12 J  | 0.20 | 0.018 | ppbv | TO-15 |
| Hexane                  | 2.9     | 0.20 | 0.011 | ppbv | TO-15 |
| Isopropyl Alcohol       | 0.70    | 0.20 | 0.065 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Methylene chloride       |                  | 8.8             | 0.20 | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 0.53            | 0.20 | 0.042 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 0.17 J          | 0.20 | 0.014 | ppbv  | TO-15  |
| Toluene                  |                  | 0.57            | 0.20 | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.39            | 0.20 | 0.028 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 0.15 J          | 0.20 | 0.034 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 0.15 J          | 0.20 | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 13              | 0.48 | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.48 J          | 0.64 | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 0.40 J          | 0.62 | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 0.93            | 0.41 | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.44 J          | 1.3  | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 1.9             | 0.69 | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99 | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 17              | 0.94 | 0.41  | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 3.6             | 0.72 | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 0.49 J          | 0.82 | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 10              | 0.70 | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 1.7             | 0.49 | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 31              | 0.69 | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 1.6             | 0.59 | 0.12  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 0.52 J          | 0.61 | 0.042 | ug/m3 | TO-15  |
| Toluene                  |                  | 2.1             | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 2.2             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 0.65 J          | 0.87 | 0.15  | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 0.65 J          | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-10 WSS-5

|                        |        |      |       |       |       |
|------------------------|--------|------|-------|-------|-------|
| Acetone                | 92.4   | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide       | 6.2    | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloromethane          | 0.67 J | 0.80 | 0.061 | ppbv  | TO-15 |
| Cyclohexane            | 2.8    | 0.80 | 0.088 | ppbv  | TO-15 |
| 1,4-Dioxane            | 0.39 J | 0.80 | 0.21  | ppbv  | TO-15 |
| Ethanol                | 67.6   | 2.0  | 0.87  | ppbv  | TO-15 |
| Ethyl Acetate          | 0.41 J | 0.80 | 0.15  | ppbv  | TO-15 |
| Heptane                | 0.49 J | 0.80 | 0.070 | ppbv  | TO-15 |
| Isopropyl Alcohol      | 6.2    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methyl ethyl ketone    | 3.8    | 0.80 | 0.17  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol | 3.4    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene    | 0.32   | 0.16 | 0.12  | ppbv  | TO-15 |
| Toluene                | 2.8    | 0.80 | 0.058 | ppbv  | TO-15 |
| m,p-Xylene             | 0.50 J | 0.80 | 0.14  | ppbv  | TO-15 |
| Xylenes (total)        | 0.50 J | 0.80 | 0.068 | ppbv  | TO-15 |
| Acetone                | 219    | 1.9  | 1.1   | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL  | MDL  | Units | Method |
|--------------------------|------------------|-----------------|-----|------|-------|--------|
| Carbon disulfide         |                  | 19              | 2.5 | 0.29 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.4 J           | 1.7 | 0.13 | ug/m3 | TO-15  |
| Cyclohexane              |                  | 9.6             | 2.8 | 0.30 | ug/m3 | TO-15  |
| 1,4-Dioxane              |                  | 1.4 J           | 2.9 | 0.76 | ug/m3 | TO-15  |
| Ethanol                  |                  | 127             | 3.8 | 1.6  | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 1.5 J           | 2.9 | 0.54 | ug/m3 | TO-15  |
| Heptane                  |                  | 2.0 J           | 3.3 | 0.29 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 15              | 2.0 | 0.64 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 11              | 2.4 | 0.50 | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 10              | 2.4 | 0.17 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 2.2             | 1.1 | 0.81 | ug/m3 | TO-15  |
| Toluene                  |                  | 11              | 3.0 | 0.22 | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.2 J           | 3.5 | 0.61 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 2.2 J           | 3.5 | 0.30 | ug/m3 | TO-15  |

### JD743-11 AMB-1

|                         |         |       |       |       |       |
|-------------------------|---------|-------|-------|-------|-------|
| Acetone                 | 4.0     | 0.20  | 0.11  | ppbv  | TO-15 |
| Benzene                 | 0.12 J  | 0.20  | 0.012 | ppbv  | TO-15 |
| Chloromethane           | 0.61    | 0.20  | 0.015 | ppbv  | TO-15 |
| Carbon tetrachloride    | 0.066 J | 0.20  | 0.024 | ppbv  | TO-15 |
| Dichlorodifluoromethane | 0.40    | 0.20  | 0.017 | ppbv  | TO-15 |
| Ethanol                 | 4.1     | 0.50  | 0.22  | ppbv  | TO-15 |
| Ethyl Acetate           | 0.31    | 0.20  | 0.038 | ppbv  | TO-15 |
| Isopropyl Alcohol       | 2.9     | 0.20  | 0.065 | ppbv  | TO-15 |
| Methylene chloride      | 0.20    | 0.20  | 0.015 | ppbv  | TO-15 |
| Methyl ethyl ketone     | 0.48    | 0.20  | 0.042 | ppbv  | TO-15 |
| Methyl Isobutyl Ketone  | 0.79    | 0.20  | 0.036 | ppbv  | TO-15 |
| Tertiary Butyl Alcohol  | 0.16 J  | 0.20  | 0.014 | ppbv  | TO-15 |
| Tetrachloroethylene     | 0.043   | 0.040 | 0.031 | ppbv  | TO-15 |
| Toluene                 | 2.2     | 0.20  | 0.014 | ppbv  | TO-15 |
| Trichlorofluoromethane  | 0.19 J  | 0.20  | 0.028 | ppbv  | TO-15 |
| m,p-Xylene              | 0.12 J  | 0.20  | 0.034 | ppbv  | TO-15 |
| Xylenes (total)         | 0.12 J  | 0.20  | 0.017 | ppbv  | TO-15 |
| Acetone                 | 9.5     | 0.48  | 0.26  | ug/m3 | TO-15 |
| Benzene                 | 0.38 J  | 0.64  | 0.038 | ug/m3 | TO-15 |
| Chloromethane           | 1.3     | 0.41  | 0.031 | ug/m3 | TO-15 |
| Carbon tetrachloride    | 0.42 J  | 1.3   | 0.15  | ug/m3 | TO-15 |
| Dichlorodifluoromethane | 2.0     | 0.99  | 0.084 | ug/m3 | TO-15 |
| Ethanol                 | 7.7     | 0.94  | 0.41  | ug/m3 | TO-15 |
| Ethyl Acetate           | 1.1     | 0.72  | 0.14  | ug/m3 | TO-15 |
| Isopropyl Alcohol       | 7.1     | 0.49  | 0.16  | ug/m3 | TO-15 |
| Methylene chloride      | 0.69    | 0.69  | 0.052 | ug/m3 | TO-15 |
| Methyl ethyl ketone     | 1.4     | 0.59  | 0.12  | ug/m3 | TO-15 |
| Methyl Isobutyl Ketone  | 3.2     | 0.82  | 0.15  | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Tertiary Butyl Alcohol   |                  | 0.49 J          | 0.61 | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 0.29            | 0.27 | 0.21  | ug/m3 | TO-15  |
| Toluene                  |                  | 8.3             | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1 J           | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 0.52 J          | 0.87 | 0.15  | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 0.52 J          | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-12 AMB-2

|                         |        |      |       |       |       |
|-------------------------|--------|------|-------|-------|-------|
| Acetone                 | 2.8    | 0.20 | 0.11  | ppbv  | TO-15 |
| Benzene                 | 0.12 J | 0.20 | 0.012 | ppbv  | TO-15 |
| Chloromethane           | 0.46   | 0.20 | 0.015 | ppbv  | TO-15 |
| Dichlorodifluoromethane | 0.41   | 0.20 | 0.017 | ppbv  | TO-15 |
| Ethanol                 | 4.4    | 0.50 | 0.22  | ppbv  | TO-15 |
| Ethyl Acetate           | 0.14 J | 0.20 | 0.038 | ppbv  | TO-15 |
| Isopropyl Alcohol       | 1.7    | 0.20 | 0.065 | ppbv  | TO-15 |
| Methyl ethyl ketone     | 0.20   | 0.20 | 0.042 | ppbv  | TO-15 |
| Methyl Isobutyl Ketone  | 0.20   | 0.20 | 0.036 | ppbv  | TO-15 |
| Toluene                 | 0.89   | 0.20 | 0.014 | ppbv  | TO-15 |
| Trichlorofluoromethane  | 0.20   | 0.20 | 0.028 | ppbv  | TO-15 |
| Acetone                 | 6.7    | 0.48 | 0.26  | ug/m3 | TO-15 |
| Benzene                 | 0.38 J | 0.64 | 0.038 | ug/m3 | TO-15 |
| Chloromethane           | 0.95   | 0.41 | 0.031 | ug/m3 | TO-15 |
| Dichlorodifluoromethane | 2.0    | 0.99 | 0.084 | ug/m3 | TO-15 |
| Ethanol                 | 8.3    | 0.94 | 0.41  | ug/m3 | TO-15 |
| Ethyl Acetate           | 0.50 J | 0.72 | 0.14  | ug/m3 | TO-15 |
| Isopropyl Alcohol       | 4.2    | 0.49 | 0.16  | ug/m3 | TO-15 |
| Methyl ethyl ketone     | 0.59   | 0.59 | 0.12  | ug/m3 | TO-15 |
| Methyl Isobutyl Ketone  | 0.82   | 0.82 | 0.15  | ug/m3 | TO-15 |
| Toluene                 | 3.4    | 0.75 | 0.053 | ug/m3 | TO-15 |
| Trichlorofluoromethane  | 1.1    | 1.1  | 0.16  | ug/m3 | TO-15 |

### JD743-13 IA-1

|                         |         |      |       |      |       |
|-------------------------|---------|------|-------|------|-------|
| Acetone                 | 41.2    | 1.2  | 0.68  | ppbv | TO-15 |
| Benzene                 | 0.14 J  | 0.20 | 0.012 | ppbv | TO-15 |
| Carbon disulfide        | 0.35    | 0.20 | 0.024 | ppbv | TO-15 |
| Chloromethane           | 0.51    | 0.20 | 0.015 | ppbv | TO-15 |
| Carbon tetrachloride    | 0.067 J | 0.20 | 0.024 | ppbv | TO-15 |
| Cyclohexane             | 13.3    | 0.20 | 0.022 | ppbv | TO-15 |
| Dichlorodifluoromethane | 0.45    | 0.20 | 0.017 | ppbv | TO-15 |
| Ethanol                 | 72.9    | 3.0  | 1.3   | ppbv | TO-15 |
| Ethylbenzene            | 1.0     | 0.20 | 0.015 | ppbv | TO-15 |
| Ethyl Acetate           | 29.5    | 0.20 | 0.038 | ppbv | TO-15 |
| Heptane                 | 1.0     | 0.20 | 0.018 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Hexane                   |                  | 0.22            | 0.20  | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol        |                  | 4.7             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methylene chloride       |                  | 0.22            | 0.20  | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 6.5             | 0.20  | 0.042 | ppbv  | TO-15  |
| Methyl Tert Butyl Ether  |                  | 0.46            | 0.20  | 0.019 | ppbv  | TO-15  |
| Styrene                  |                  | 0.20            | 0.20  | 0.019 | ppbv  | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 0.25            | 0.20  | 0.022 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 11.8            | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.15            | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran          |                  | 0.21            | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                  |                  | 17.9            | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.20            | 0.20  | 0.028 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 2.9             | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                 |                  | 1.6             | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 4.5             | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 97.9            | 2.9   | 1.6   | ug/m3 | TO-15  |
| Benzene                  |                  | 0.45 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 1.1             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.1             | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.42 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 45.8            | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.2             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 137             | 5.7   | 2.4   | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 4.3             | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 106             | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 4.1             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.78            | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 12              | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.76            | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 19              | 0.59  | 0.12  | ug/m3 | TO-15  |
| Methyl Tert Butyl Ether  |                  | 1.7             | 0.72  | 0.069 | ug/m3 | TO-15  |
| Styrene                  |                  | 0.85            | 0.85  | 0.081 | ug/m3 | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 1.2             | 0.93  | 0.10  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 35.8            | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.0             | 0.27  | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.62            | 0.59  | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 67.5            | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1             | 1.1   | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 13              | 0.87  | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 6.9             | 0.87  | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 20              | 0.87  | 0.074 | ug/m3 | TO-15  |
| <b>JD743-14 SS-1</b>     |                  |                 |       |       |       |        |
| Acetone                  |                  | 23.3            | 0.80  | 0.45  | ppbv  | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte  | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|---------------------------|------------------|-----------------|------|-------|-------|--------|
| Cyclohexane               |                  | 1.4             | 0.80 | 0.088 | ppbv  | TO-15  |
| Ethanol                   |                  | 19.9            | 2.0  | 0.87  | ppbv  | TO-15  |
| Ethylbenzene              |                  | 6.3             | 0.80 | 0.060 | ppbv  | TO-15  |
| Ethyl Acetate             |                  | 2.8             | 0.80 | 0.15  | ppbv  | TO-15  |
| 4-Ethyltoluene            |                  | 0.40 J          | 0.80 | 0.12  | ppbv  | TO-15  |
| Hexane                    |                  | 1.7             | 0.80 | 0.042 | ppbv  | TO-15  |
| 2-Hexanone                |                  | 35.8            | 0.80 | 0.15  | ppbv  | TO-15  |
| Isopropyl Alcohol         |                  | 1.8             | 0.80 | 0.26  | ppbv  | TO-15  |
| Methyl ethyl ketone       |                  | 4.1             | 0.80 | 0.17  | ppbv  | TO-15  |
| Methyl Isobutyl Ketone    |                  | 2.3             | 0.80 | 0.14  | ppbv  | TO-15  |
| 1,2,4-Trimethylbenzene    |                  | 4.5             | 0.80 | 0.13  | ppbv  | TO-15  |
| 1,3,5-Trimethylbenzene    |                  | 1.8             | 0.80 | 0.13  | ppbv  | TO-15  |
| Tertiary Butyl Alcohol    |                  | 3.7             | 0.80 | 0.055 | ppbv  | TO-15  |
| Tetrachloroethylene       |                  | 22.0            | 0.16 | 0.12  | ppbv  | TO-15  |
| Toluene                   |                  | 6.9             | 0.80 | 0.058 | ppbv  | TO-15  |
| Trichloroethylene         |                  | 0.54            | 0.16 | 0.076 | ppbv  | TO-15  |
| m,p-Xylene                |                  | 27.3            | 0.80 | 0.14  | ppbv  | TO-15  |
| o-Xylene                  |                  | 17.1            | 0.80 | 0.068 | ppbv  | TO-15  |
| Xylenes (total)           |                  | 44.4            | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                   |                  | 55.3            | 1.9  | 1.1   | ug/m3 | TO-15  |
| Cyclohexane               |                  | 4.8             | 2.8  | 0.30  | ug/m3 | TO-15  |
| Ethanol                   |                  | 37.5            | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethylbenzene              |                  | 27              | 3.5  | 0.26  | ug/m3 | TO-15  |
| Ethyl Acetate             |                  | 10              | 2.9  | 0.54  | ug/m3 | TO-15  |
| 4-Ethyltoluene            |                  | 2.0 J           | 3.9  | 0.59  | ug/m3 | TO-15  |
| Hexane                    |                  | 6.0             | 2.8  | 0.15  | ug/m3 | TO-15  |
| 2-Hexanone                |                  | 146             | 3.3  | 0.61  | ug/m3 | TO-15  |
| Isopropyl Alcohol         |                  | 4.4             | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methyl ethyl ketone       |                  | 12              | 2.4  | 0.50  | ug/m3 | TO-15  |
| Methyl Isobutyl Ketone    |                  | 9.4             | 3.3  | 0.57  | ug/m3 | TO-15  |
| 1,2,4-Trimethylbenzene    |                  | 22              | 3.9  | 0.64  | ug/m3 | TO-15  |
| 1,3,5-Trimethylbenzene    |                  | 8.8             | 3.9  | 0.64  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol    |                  | 11              | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene       |                  | 149             | 1.1  | 0.81  | ug/m3 | TO-15  |
| Toluene                   |                  | 26              | 3.0  | 0.22  | ug/m3 | TO-15  |
| Trichloroethylene         |                  | 2.9             | 0.86 | 0.41  | ug/m3 | TO-15  |
| m,p-Xylene                |                  | 119             | 3.5  | 0.61  | ug/m3 | TO-15  |
| o-Xylene                  |                  | 74.3            | 3.5  | 0.30  | ug/m3 | TO-15  |
| Xylenes (total)           |                  | 193             | 3.5  | 0.30  | ug/m3 | TO-15  |
| <b>JD743-15      IA-2</b> |                  |                 |      |       |       |        |
| Acetone                   |                  | 30.5            | 0.20 | 0.11  | ppbv  | TO-15  |
| Carbon disulfide          |                  | 0.54            | 0.20 | 0.024 | ppbv  | TO-15  |
| Chloromethane             |                  | 0.60            | 0.20 | 0.015 | ppbv  | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Carbon tetrachloride     |                  | 0.043 J         | 0.20  | 0.024 | ppbv  | TO-15  |
| Cyclohexane              |                  | 18.6            | 0.20  | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane  |                  | 0.43            | 0.20  | 0.017 | ppbv  | TO-15  |
| cis-1,2-Dichloroethylene |                  | 0.27            | 0.20  | 0.012 | ppbv  | TO-15  |
| Ethanol                  |                  | 56.2 E          | 0.50  | 0.22  | ppbv  | TO-15  |
| Ethyl Acetate            |                  | 4.7             | 0.20  | 0.038 | ppbv  | TO-15  |
| Isopropyl Alcohol        |                  | 5.4             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methylene chloride       |                  | 0.27            | 0.20  | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 4.3             | 0.20  | 0.042 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 0.38            | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.077           | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran          |                  | 0.95            | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                  |                  | 0.56            | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichloroethylene        |                  | 0.066           | 0.040 | 0.019 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.20            | 0.20  | 0.028 | ppbv  | TO-15  |
| Acetone                  |                  | 72.5            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 1.7             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.2             | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.27 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 64.0            | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99  | 0.084 | ug/m3 | TO-15  |
| cis-1,2-Dichloroethylene |                  | 1.1             | 0.79  | 0.048 | ug/m3 | TO-15  |
| Ethanol                  |                  | 106 E           | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 17              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 13              | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.94            | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 13              | 0.59  | 0.12  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 1.2             | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 0.52            | 0.27  | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 2.8             | 0.59  | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 2.1             | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichloroethylene        |                  | 0.35            | 0.21  | 0.10  | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1             | 1.1   | 0.16  | ug/m3 | TO-15  |

### JD743-16 SS-2

|                   |        |      |       |      |       |
|-------------------|--------|------|-------|------|-------|
| Acetone           | 30.1   | 0.80 | 0.45  | ppbv | TO-15 |
| Carbon disulfide  | 1.9    | 0.80 | 0.094 | ppbv | TO-15 |
| Cyclohexane       | 3.7    | 0.80 | 0.088 | ppbv | TO-15 |
| Ethanol           | 21.6   | 2.0  | 0.87  | ppbv | TO-15 |
| Ethylbenzene      | 39.3   | 0.80 | 0.060 | ppbv | TO-15 |
| Ethyl Acetate     | 0.59 J | 0.80 | 0.15  | ppbv | TO-15 |
| Hexane            | 0.82   | 0.80 | 0.042 | ppbv | TO-15 |
| 2-Hexanone        | 0.38 J | 0.80 | 0.15  | ppbv | TO-15 |
| Isopropyl Alcohol | 3.5    | 0.80 | 0.26  | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Methylene chloride       |                  | 2.8             | 0.80 | 0.058 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 3.1             | 0.80 | 0.17  | ppbv  | TO-15  |
| Methyl Isobutyl Ketone   |                  | 0.90            | 0.80 | 0.14  | ppbv  | TO-15  |
| Propylene                |                  | 1.6 J           | 2.0  | 0.064 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 4.1             | 0.80 | 0.055 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 1.1             | 0.16 | 0.12  | ppbv  | TO-15  |
| Toluene                  |                  | 10.5            | 0.80 | 0.058 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 195             | 0.80 | 0.14  | ppbv  | TO-15  |
| o-Xylene                 |                  | 84.7            | 0.80 | 0.068 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 280             | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                  |                  | 71.5            | 1.9  | 1.1   | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 5.9             | 2.5  | 0.29  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 13              | 2.8  | 0.30  | ug/m3 | TO-15  |
| Ethanol                  |                  | 40.7            | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 171             | 3.5  | 0.26  | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 2.1 J           | 2.9  | 0.54  | ug/m3 | TO-15  |
| Hexane                   |                  | 2.9             | 2.8  | 0.15  | ug/m3 | TO-15  |
| 2-Hexanone               |                  | 1.6 J           | 3.3  | 0.61  | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 8.6             | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 9.7             | 2.8  | 0.20  | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 9.1             | 2.4  | 0.50  | ug/m3 | TO-15  |
| Methyl Isobutyl Ketone   |                  | 3.7             | 3.3  | 0.57  | ug/m3 | TO-15  |
| Propylene                |                  | 2.7 J           | 3.4  | 0.11  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 12              | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 7.5             | 1.1  | 0.81  | ug/m3 | TO-15  |
| Toluene                  |                  | 39.6            | 3.0  | 0.22  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 847             | 3.5  | 0.61  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 368             | 3.5  | 0.30  | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 1220            | 3.5  | 0.30  | ug/m3 | TO-15  |

### JD743-17 IA-3

|                          |         |      |       |      |       |
|--------------------------|---------|------|-------|------|-------|
| Acetone                  | 28.9    | 0.20 | 0.11  | ppbv | TO-15 |
| Benzene                  | 0.15 J  | 0.20 | 0.012 | ppbv | TO-15 |
| Carbon disulfide         | 0.24    | 0.20 | 0.024 | ppbv | TO-15 |
| Chloromethane            | 0.54    | 0.20 | 0.015 | ppbv | TO-15 |
| Carbon tetrachloride     | 0.069 J | 0.20 | 0.024 | ppbv | TO-15 |
| Cyclohexane              | 6.0     | 0.20 | 0.022 | ppbv | TO-15 |
| Dichlorodifluoromethane  | 0.45    | 0.20 | 0.017 | ppbv | TO-15 |
| cis-1,2-Dichloroethylene | 0.34    | 0.20 | 0.012 | ppbv | TO-15 |
| Ethanol                  | 66.8 E  | 0.50 | 0.22  | ppbv | TO-15 |
| Ethylbenzene             | 0.40    | 0.20 | 0.015 | ppbv | TO-15 |
| Ethyl Acetate            | 5.0     | 0.20 | 0.038 | ppbv | TO-15 |
| Heptane                  | 0.49    | 0.20 | 0.018 | ppbv | TO-15 |
| Hexane                   | 0.14 J  | 0.20 | 0.011 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Isopropyl Alcohol        |                  | 7.7             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methylene chloride       |                  | 0.20            | 0.20  | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 3.8             | 0.20  | 0.042 | ppbv  | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 0.10 J          | 0.20  | 0.033 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 2.8             | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.18            | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran          |                  | 0.30            | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                  |                  | 11.6            | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichloroethylene        |                  | 0.049           | 0.040 | 0.019 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.20            | 0.20  | 0.028 | ppbv  | TO-15  |
| Vinyl chloride           |                  | 0.12 J          | 0.20  | 0.022 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 1.2             | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                 |                  | 0.58            | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 1.8             | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 68.7            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.48 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 0.75            | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.1             | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.43 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 21              | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.2             | 0.99  | 0.084 | ug/m3 | TO-15  |
| cis-1,2-Dichloroethylene |                  | 1.3             | 0.79  | 0.048 | ug/m3 | TO-15  |
| Ethanol                  |                  | 126 E           | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 1.7             | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 18              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 2.0             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.49 J          | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 19              | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.69            | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 11              | 0.59  | 0.12  | ug/m3 | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 0.49 J          | 0.98  | 0.16  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 8.5             | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.2             | 0.27  | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.88            | 0.59  | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 43.7            | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichloroethylene        |                  | 0.26            | 0.21  | 0.10  | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1             | 1.1   | 0.16  | ug/m3 | TO-15  |
| Vinyl chloride           |                  | 0.31 J          | 0.51  | 0.056 | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 5.2             | 0.87  | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 2.5             | 0.87  | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 7.8             | 0.87  | 0.074 | ug/m3 | TO-15  |
| <b>JD743-18 SS-3</b>     |                  |                 |       |       |       |        |
| Acetone                  |                  | 56.6            | 0.80  | 0.45  | ppbv  | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte  | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|---------------------------|------------------|-----------------|------|-------|-------|--------|
| Carbon disulfide          |                  | 1.6             | 0.80 | 0.094 | ppbv  | TO-15  |
| Chloromethane             |                  | 0.63 J          | 0.80 | 0.061 | ppbv  | TO-15  |
| Cyclohexane               |                  | 4.0             | 0.80 | 0.088 | ppbv  | TO-15  |
| 1,4-Dioxane               |                  | 0.99            | 0.80 | 0.21  | ppbv  | TO-15  |
| Ethanol                   |                  | 62.0            | 2.0  | 0.87  | ppbv  | TO-15  |
| Ethylbenzene              |                  | 10.6            | 0.80 | 0.060 | ppbv  | TO-15  |
| Ethyl Acetate             |                  | 3.8             | 0.80 | 0.15  | ppbv  | TO-15  |
| Heptane                   |                  | 0.41 J          | 0.80 | 0.070 | ppbv  | TO-15  |
| 2-Hexanone                |                  | 0.54 J          | 0.80 | 0.15  | ppbv  | TO-15  |
| Isopropyl Alcohol         |                  | 7.1             | 0.80 | 0.26  | ppbv  | TO-15  |
| Methyl ethyl ketone       |                  | 8.2             | 0.80 | 0.17  | ppbv  | TO-15  |
| Methyl Isobutyl Ketone    |                  | 1.7             | 0.80 | 0.14  | ppbv  | TO-15  |
| Tertiary Butyl Alcohol    |                  | 4.6             | 0.80 | 0.055 | ppbv  | TO-15  |
| Tetrachloroethylene       |                  | 9.7             | 0.16 | 0.12  | ppbv  | TO-15  |
| Toluene                   |                  | 8.9             | 0.80 | 0.058 | ppbv  | TO-15  |
| Trichloroethylene         |                  | 0.60            | 0.16 | 0.076 | ppbv  | TO-15  |
| m,p-Xylene                |                  | 47.4            | 0.80 | 0.14  | ppbv  | TO-15  |
| o-Xylene                  |                  | 23.1            | 0.80 | 0.068 | ppbv  | TO-15  |
| Xylenes (total)           |                  | 70.5            | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                   |                  | 134             | 1.9  | 1.1   | ug/m3 | TO-15  |
| Carbon disulfide          |                  | 5.0             | 2.5  | 0.29  | ug/m3 | TO-15  |
| Chloromethane             |                  | 1.3 J           | 1.7  | 0.13  | ug/m3 | TO-15  |
| Cyclohexane               |                  | 14              | 2.8  | 0.30  | ug/m3 | TO-15  |
| 1,4-Dioxane               |                  | 3.6             | 2.9  | 0.76  | ug/m3 | TO-15  |
| Ethanol                   |                  | 117             | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethylbenzene              |                  | 46.0            | 3.5  | 0.26  | ug/m3 | TO-15  |
| Ethyl Acetate             |                  | 14              | 2.9  | 0.54  | ug/m3 | TO-15  |
| Heptane                   |                  | 1.7 J           | 3.3  | 0.29  | ug/m3 | TO-15  |
| 2-Hexanone                |                  | 2.2 J           | 3.3  | 0.61  | ug/m3 | TO-15  |
| Isopropyl Alcohol         |                  | 17              | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methyl ethyl ketone       |                  | 24              | 2.4  | 0.50  | ug/m3 | TO-15  |
| Methyl Isobutyl Ketone    |                  | 7.0             | 3.3  | 0.57  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol    |                  | 14              | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene       |                  | 66              | 1.1  | 0.81  | ug/m3 | TO-15  |
| Toluene                   |                  | 34              | 3.0  | 0.22  | ug/m3 | TO-15  |
| Trichloroethylene         |                  | 3.2             | 0.86 | 0.41  | ug/m3 | TO-15  |
| m,p-Xylene                |                  | 206             | 3.5  | 0.61  | ug/m3 | TO-15  |
| o-Xylene                  |                  | 100             | 3.5  | 0.30  | ug/m3 | TO-15  |
| Xylenes (total)           |                  | 306             | 3.5  | 0.30  | ug/m3 | TO-15  |
| <b>JD743-19      IA-4</b> |                  |                 |      |       |       |        |
| Acetone                   |                  | 12.4            | 0.20 | 0.11  | ppbv  | TO-15  |
| Benzene                   |                  | 0.14 J          | 0.20 | 0.012 | ppbv  | TO-15  |
| Carbon disulfide          |                  | 0.15 J          | 0.20 | 0.024 | ppbv  | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Chloromethane            |                  | 0.48            | 0.20  | 0.015 | ppbv  | TO-15  |
| Carbon tetrachloride     |                  | 0.068 J         | 0.20  | 0.024 | ppbv  | TO-15  |
| Cyclohexane              |                  | 2.6             | 0.20  | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane  |                  | 0.45            | 0.20  | 0.017 | ppbv  | TO-15  |
| Ethanol                  |                  | 78.7 E          | 0.50  | 0.22  | ppbv  | TO-15  |
| Ethylbenzene             |                  | 0.19 J          | 0.20  | 0.015 | ppbv  | TO-15  |
| Ethyl Acetate            |                  | 6.5             | 0.20  | 0.038 | ppbv  | TO-15  |
| Heptane                  |                  | 0.26            | 0.20  | 0.018 | ppbv  | TO-15  |
| Hexane                   |                  | 0.74            | 0.20  | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol        |                  | 4.3             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methylene chloride       |                  | 3.4             | 0.20  | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 1.8             | 0.20  | 0.042 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 1.4             | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.075           | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran          |                  | 0.35            | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                  |                  | 3.7             | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.25            | 0.20  | 0.028 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 0.60            | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                 |                  | 0.32            | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 0.93            | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 29.5            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.45 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 0.47 J          | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 0.99            | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.43 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 8.9             | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.2             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 148 E           | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 0.83 J          | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 23              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 1.1             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 2.6             | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 11              | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 12              | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 5.3             | 0.59  | 0.12  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 4.2             | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 0.51            | 0.27  | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 1.0             | 0.59  | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 14              | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.4             | 1.1   | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.6             | 0.87  | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.4             | 0.87  | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 4.0             | 0.87  | 0.074 | ug/m3 | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID          | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|------------------------|------------------|-----------------|------|-------|-------|--------|
| JD743-20               | SS-4             |                 |      |       |       |        |
| Acetone                |                  | 45.5            | 0.80 | 0.45  | ppbv  | TO-15  |
| Carbon disulfide       |                  | 1.2             | 0.80 | 0.094 | ppbv  | TO-15  |
| Ethanol                |                  | 15.2            | 2.0  | 0.87  | ppbv  | TO-15  |
| Ethylbenzene           |                  | 17.1            | 0.80 | 0.060 | ppbv  | TO-15  |
| 4-Ethyltoluene         |                  | 1.7             | 0.80 | 0.12  | ppbv  | TO-15  |
| Hexane                 |                  | 3.0             | 0.80 | 0.042 | ppbv  | TO-15  |
| 2-Hexanone             |                  | 33.3            | 0.80 | 0.15  | ppbv  | TO-15  |
| Isopropyl Alcohol      |                  | 3.0             | 0.80 | 0.26  | ppbv  | TO-15  |
| Methylene chloride     |                  | 0.95            | 0.80 | 0.058 | ppbv  | TO-15  |
| Methyl ethyl ketone    |                  | 9.6             | 0.80 | 0.17  | ppbv  | TO-15  |
| Styrene                |                  | 0.50 J          | 0.80 | 0.076 | ppbv  | TO-15  |
| 1,2,4-Trimethylbenzene |                  | 6.5             | 0.80 | 0.13  | ppbv  | TO-15  |
| 1,3,5-Trimethylbenzene |                  | 2.6             | 0.80 | 0.13  | ppbv  | TO-15  |
| Tertiary Butyl Alcohol |                  | 5.4             | 0.80 | 0.055 | ppbv  | TO-15  |
| Tetrachloroethylene    |                  | 111             | 0.16 | 0.12  | ppbv  | TO-15  |
| Toluene                |                  | 0.80            | 0.80 | 0.058 | ppbv  | TO-15  |
| Trichloroethylene      |                  | 0.74            | 0.16 | 0.076 | ppbv  | TO-15  |
| m,p-Xylene             |                  | 57.8            | 0.80 | 0.14  | ppbv  | TO-15  |
| o-Xylene               |                  | 27.8            | 0.80 | 0.068 | ppbv  | TO-15  |
| Xylenes (total)        |                  | 85.6            | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                |                  | 108             | 1.9  | 1.1   | ug/m3 | TO-15  |
| Carbon disulfide       |                  | 3.7             | 2.5  | 0.29  | ug/m3 | TO-15  |
| Ethanol                |                  | 28.6            | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethylbenzene           |                  | 74.3            | 3.5  | 0.26  | ug/m3 | TO-15  |
| 4-Ethyltoluene         |                  | 8.4             | 3.9  | 0.59  | ug/m3 | TO-15  |
| Hexane                 |                  | 11              | 2.8  | 0.15  | ug/m3 | TO-15  |
| 2-Hexanone             |                  | 136             | 3.3  | 0.61  | ug/m3 | TO-15  |
| Isopropyl Alcohol      |                  | 7.4             | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methylene chloride     |                  | 3.3             | 2.8  | 0.20  | ug/m3 | TO-15  |
| Methyl ethyl ketone    |                  | 28              | 2.4  | 0.50  | ug/m3 | TO-15  |
| Styrene                |                  | 2.1 J           | 3.4  | 0.32  | ug/m3 | TO-15  |
| 1,2,4-Trimethylbenzene |                  | 32              | 3.9  | 0.64  | ug/m3 | TO-15  |
| 1,3,5-Trimethylbenzene |                  | 13              | 3.9  | 0.64  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol |                  | 16              | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene    |                  | 753             | 1.1  | 0.81  | ug/m3 | TO-15  |
| Toluene                |                  | 3.0             | 3.0  | 0.22  | ug/m3 | TO-15  |
| Trichloroethylene      |                  | 4.0             | 0.86 | 0.41  | ug/m3 | TO-15  |
| m,p-Xylene             |                  | 251             | 3.5  | 0.61  | ug/m3 | TO-15  |
| o-Xylene               |                  | 121             | 3.5  | 0.30  | ug/m3 | TO-15  |
| Xylenes (total)        |                  | 372             | 3.5  | 0.30  | ug/m3 | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID           | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|-------------------------|------------------|-----------------|-------|-------|-------|--------|
| JD743-21                | IA-5             |                 |       |       |       |        |
| Acetone                 |                  | 35.3            | 0.20  | 0.11  | ppbv  | TO-15  |
| Benzene                 |                  | 0.15 J          | 0.20  | 0.012 | ppbv  | TO-15  |
| Carbon disulfide        |                  | 0.38            | 0.20  | 0.024 | ppbv  | TO-15  |
| Chloromethane           |                  | 0.50            | 0.20  | 0.015 | ppbv  | TO-15  |
| Carbon tetrachloride    |                  | 0.071 J         | 0.20  | 0.024 | ppbv  | TO-15  |
| Cyclohexane             |                  | 12.0            | 0.20  | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane |                  | 0.46            | 0.20  | 0.017 | ppbv  | TO-15  |
| Ethanol                 |                  | 102 E           | 0.50  | 0.22  | ppbv  | TO-15  |
| Ethylbenzene            |                  | 0.99            | 0.20  | 0.015 | ppbv  | TO-15  |
| Ethyl Acetate           |                  | 29.1            | 0.20  | 0.038 | ppbv  | TO-15  |
| Heptane                 |                  | 0.92            | 0.20  | 0.018 | ppbv  | TO-15  |
| Hexane                  |                  | 0.22            | 0.20  | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol       |                  | 6.6             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methyl ethyl ketone     |                  | 6.3             | 0.20  | 0.042 | ppbv  | TO-15  |
| Methyl Tert Butyl Ether |                  | 0.32            | 0.20  | 0.019 | ppbv  | TO-15  |
| Styrene                 |                  | 0.32            | 0.20  | 0.019 | ppbv  | TO-15  |
| 2,2,4-Trimethylpentane  |                  | 0.19 J          | 0.20  | 0.022 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol  |                  | 8.8             | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene     |                  | 0.14            | 0.040 | 0.031 | ppbv  | TO-15  |
| Tetrahydrofuran         |                  | 0.59            | 0.20  | 0.050 | ppbv  | TO-15  |
| Toluene                 |                  | 17.9            | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane  |                  | 0.20            | 0.20  | 0.028 | ppbv  | TO-15  |
| m,p-Xylene              |                  | 2.9             | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                |                  | 1.5             | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)         |                  | 4.4             | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                 |                  | 83.9            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                 |                  | 0.48 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide        |                  | 1.2             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane           |                  | 1.0             | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride    |                  | 0.45 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane             |                  | 41.3            | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane |                  | 2.3             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                 |                  | 192 E           | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene            |                  | 4.3             | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate           |                  | 105             | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                 |                  | 3.8             | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                  |                  | 0.78            | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol       |                  | 16              | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methyl ethyl ketone     |                  | 19              | 0.59  | 0.12  | ug/m3 | TO-15  |
| Methyl Tert Butyl Ether |                  | 1.2             | 0.72  | 0.069 | ug/m3 | TO-15  |
| Styrene                 |                  | 1.4             | 0.85  | 0.081 | ug/m3 | TO-15  |
| 2,2,4-Trimethylpentane  |                  | 0.89 J          | 0.93  | 0.10  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol  |                  | 27              | 0.61  | 0.042 | ug/m3 | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Tetrachloroethylene      |                  | 0.95            | 0.27 | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 1.7             | 0.59 | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 67.5            | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 13              | 0.87 | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 6.5             | 0.87 | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 19              | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-22 SS-5

|                        |        |      |       |       |       |
|------------------------|--------|------|-------|-------|-------|
| Acetone                | 57.2   | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide       | 0.85   | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloromethane          | 0.55 J | 0.80 | 0.061 | ppbv  | TO-15 |
| Cyclohexane            | 6.4    | 0.80 | 0.088 | ppbv  | TO-15 |
| Ethanol                | 114    | 2.0  | 0.87  | ppbv  | TO-15 |
| Ethylbenzene           | 38.3   | 0.80 | 0.060 | ppbv  | TO-15 |
| Ethyl Acetate          | 13.1   | 0.80 | 0.15  | ppbv  | TO-15 |
| Heptane                | 1.2    | 0.80 | 0.070 | ppbv  | TO-15 |
| Hexane                 | 0.65 J | 0.80 | 0.042 | ppbv  | TO-15 |
| 2-Hexanone             | 95.4   | 0.80 | 0.15  | ppbv  | TO-15 |
| Isopropyl Alcohol      | 5.3    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methyl ethyl ketone    | 10.1   | 0.80 | 0.17  | ppbv  | TO-15 |
| Styrene                | 0.43 J | 0.80 | 0.076 | ppbv  | TO-15 |
| 1,2,4-Trimethylbenzene | 3.6    | 0.80 | 0.13  | ppbv  | TO-15 |
| 1,3,5-Trimethylbenzene | 1.4    | 0.80 | 0.13  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol | 9.2    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene    | 41.1   | 0.16 | 0.12  | ppbv  | TO-15 |
| Tetrahydrofuran        | 0.41 J | 0.80 | 0.20  | ppbv  | TO-15 |
| Toluene                | 17.5   | 0.80 | 0.058 | ppbv  | TO-15 |
| m,p-Xylene             | 172    | 0.80 | 0.14  | ppbv  | TO-15 |
| o-Xylene               | 66.2   | 0.80 | 0.068 | ppbv  | TO-15 |
| Xylenes (total)        | 238    | 0.80 | 0.068 | ppbv  | TO-15 |
| Acetone                | 136    | 1.9  | 1.1   | ug/m3 | TO-15 |
| Carbon disulfide       | 2.6    | 2.5  | 0.29  | ug/m3 | TO-15 |
| Chloromethane          | 1.1 J  | 1.7  | 0.13  | ug/m3 | TO-15 |
| Cyclohexane            | 22     | 2.8  | 0.30  | ug/m3 | TO-15 |
| Ethanol                | 215    | 3.8  | 1.6   | ug/m3 | TO-15 |
| Ethylbenzene           | 166    | 3.5  | 0.26  | ug/m3 | TO-15 |
| Ethyl Acetate          | 47.1   | 2.9  | 0.54  | ug/m3 | TO-15 |
| Heptane                | 4.9    | 3.3  | 0.29  | ug/m3 | TO-15 |
| Hexane                 | 2.3 J  | 2.8  | 0.15  | ug/m3 | TO-15 |
| 2-Hexanone             | 390    | 3.3  | 0.61  | ug/m3 | TO-15 |
| Isopropyl Alcohol      | 13     | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methyl ethyl ketone    | 29.8   | 2.4  | 0.50  | ug/m3 | TO-15 |
| Styrene                | 1.8 J  | 3.4  | 0.32  | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL  | MDL  | Units | Method |
|--------------------------|------------------|-----------------|-----|------|-------|--------|
| 1,2,4-Trimethylbenzene   |                  | 18              | 3.9 | 0.64 | ug/m3 | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 6.9             | 3.9 | 0.64 | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 28              | 2.4 | 0.17 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 279             | 1.1 | 0.81 | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 1.2 J           | 2.4 | 0.59 | ug/m3 | TO-15  |
| Toluene                  |                  | 65.9            | 3.0 | 0.22 | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 747             | 3.5 | 0.61 | ug/m3 | TO-15  |
| o-Xylene                 |                  | 288             | 3.5 | 0.30 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 1030            | 3.5 | 0.30 | ug/m3 | TO-15  |

### JD743-23 IA-6

|                         |         |       |       |       |       |
|-------------------------|---------|-------|-------|-------|-------|
| Acetone                 | 21.5    | 0.20  | 0.11  | ppbv  | TO-15 |
| Benzene                 | 0.14 J  | 0.20  | 0.012 | ppbv  | TO-15 |
| Carbon disulfide        | 0.28    | 0.20  | 0.024 | ppbv  | TO-15 |
| Chloromethane           | 0.50    | 0.20  | 0.015 | ppbv  | TO-15 |
| Carbon tetrachloride    | 0.070 J | 0.20  | 0.024 | ppbv  | TO-15 |
| Cyclohexane             | 6.1     | 0.20  | 0.022 | ppbv  | TO-15 |
| Dichlorodifluoromethane | 0.43    | 0.20  | 0.017 | ppbv  | TO-15 |
| Ethanol                 | 63.5 E  | 0.50  | 0.22  | ppbv  | TO-15 |
| Ethylbenzene            | 0.38    | 0.20  | 0.015 | ppbv  | TO-15 |
| Ethyl Acetate           | 12.3    | 0.20  | 0.038 | ppbv  | TO-15 |
| Heptane                 | 0.54    | 0.20  | 0.018 | ppbv  | TO-15 |
| Hexane                  | 0.36    | 0.20  | 0.011 | ppbv  | TO-15 |
| Isopropyl Alcohol       | 6.7     | 0.20  | 0.065 | ppbv  | TO-15 |
| Methylene chloride      | 1.4     | 0.20  | 0.015 | ppbv  | TO-15 |
| Methyl ethyl ketone     | 3.4     | 0.20  | 0.042 | ppbv  | TO-15 |
| Styrene                 | 0.12 J  | 0.20  | 0.019 | ppbv  | TO-15 |
| Tertiary Butyl Alcohol  | 3.4     | 0.20  | 0.014 | ppbv  | TO-15 |
| Tetrachloroethylene     | 0.16    | 0.040 | 0.031 | ppbv  | TO-15 |
| Tetrahydrofuran         | 0.19 J  | 0.20  | 0.050 | ppbv  | TO-15 |
| Toluene                 | 11.8    | 0.20  | 0.014 | ppbv  | TO-15 |
| Trichlorofluoromethane  | 0.22    | 0.20  | 0.028 | ppbv  | TO-15 |
| m,p-Xylene              | 1.1     | 0.20  | 0.034 | ppbv  | TO-15 |
| o-Xylene                | 0.59    | 0.20  | 0.017 | ppbv  | TO-15 |
| Xylenes (total)         | 1.7     | 0.20  | 0.017 | ppbv  | TO-15 |
| Acetone                 | 51.1    | 0.48  | 0.26  | ug/m3 | TO-15 |
| Benzene                 | 0.45 J  | 0.64  | 0.038 | ug/m3 | TO-15 |
| Carbon disulfide        | 0.87    | 0.62  | 0.075 | ug/m3 | TO-15 |
| Chloromethane           | 1.0     | 0.41  | 0.031 | ug/m3 | TO-15 |
| Carbon tetrachloride    | 0.44 J  | 1.3   | 0.15  | ug/m3 | TO-15 |
| Cyclohexane             | 21      | 0.69  | 0.076 | ug/m3 | TO-15 |
| Dichlorodifluoromethane | 2.1     | 0.99  | 0.084 | ug/m3 | TO-15 |
| Ethanol                 | 120 E   | 0.94  | 0.41  | ug/m3 | TO-15 |
| Ethylbenzene            | 1.7     | 0.87  | 0.065 | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Ethyl Acetate            |                  | 44.3            | 0.72 | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 2.2             | 0.82 | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 1.3             | 0.70 | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 16              | 0.49 | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 4.9             | 0.69 | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 10              | 0.59 | 0.12  | ug/m3 | TO-15  |
| Styrene                  |                  | 0.51 J          | 0.85 | 0.081 | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 10              | 0.61 | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.1             | 0.27 | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.56 J          | 0.59 | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 44.5            | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.2             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 4.8             | 0.87 | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 2.6             | 0.87 | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 7.4             | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-24 SS-6

|                        |        |      |       |       |       |
|------------------------|--------|------|-------|-------|-------|
| Acetone                | 14.0   | 0.80 | 0.45  | ppbv  | TO-15 |
| Chloromethane          | 0.51 J | 0.80 | 0.061 | ppbv  | TO-15 |
| Cyclohexane            | 4.8    | 0.80 | 0.088 | ppbv  | TO-15 |
| Ethanol                | 65.8   | 2.0  | 0.87  | ppbv  | TO-15 |
| Ethylbenzene           | 3.7    | 0.80 | 0.060 | ppbv  | TO-15 |
| Ethyl Acetate          | 5.8    | 0.80 | 0.15  | ppbv  | TO-15 |
| Heptane                | 0.47 J | 0.80 | 0.070 | ppbv  | TO-15 |
| Hexane                 | 0.72 J | 0.80 | 0.042 | ppbv  | TO-15 |
| Isopropyl Alcohol      | 5.2    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methylene chloride     | 2.7    | 0.80 | 0.058 | ppbv  | TO-15 |
| Methyl ethyl ketone    | 2.2    | 0.80 | 0.17  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol | 2.1    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene    | 0.21   | 0.16 | 0.12  | ppbv  | TO-15 |
| Toluene                | 12.8   | 0.80 | 0.058 | ppbv  | TO-15 |
| m,p-Xylene             | 15.9   | 0.80 | 0.14  | ppbv  | TO-15 |
| o-Xylene               | 5.5    | 0.80 | 0.068 | ppbv  | TO-15 |
| Xylenes (total)        | 21.4   | 0.80 | 0.068 | ppbv  | TO-15 |
| Acetone                | 33.3   | 1.9  | 1.1   | ug/m3 | TO-15 |
| Chloromethane          | 1.1 J  | 1.7  | 0.13  | ug/m3 | TO-15 |
| Cyclohexane            | 17     | 2.8  | 0.30  | ug/m3 | TO-15 |
| Ethanol                | 124    | 3.8  | 1.6   | ug/m3 | TO-15 |
| Ethylbenzene           | 16     | 3.5  | 0.26  | ug/m3 | TO-15 |
| Ethyl Acetate          | 21     | 2.9  | 0.54  | ug/m3 | TO-15 |
| Heptane                | 1.9 J  | 3.3  | 0.29  | ug/m3 | TO-15 |
| Hexane                 | 2.5 J  | 2.8  | 0.15  | ug/m3 | TO-15 |
| Isopropyl Alcohol      | 13     | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methylene chloride     | 9.4    | 2.8  | 0.20  | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL  | MDL  | Units | Method |
|--------------------------|------------------|-----------------|-----|------|-------|--------|
| Methyl ethyl ketone      |                  | 6.5             | 2.4 | 0.50 | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 6.4             | 2.4 | 0.17 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.4             | 1.1 | 0.81 | ug/m3 | TO-15  |
| Toluene                  |                  | 48.2            | 3.0 | 0.22 | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 69.1            | 3.5 | 0.61 | ug/m3 | TO-15  |
| o-Xylene                 |                  | 24              | 3.5 | 0.30 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 93.0            | 3.5 | 0.30 | ug/m3 | TO-15  |

### JD743-25 EIA-1

|                         |         |       |       |       |       |
|-------------------------|---------|-------|-------|-------|-------|
| Acetone                 | 13.9    | 0.20  | 0.11  | ppbv  | TO-15 |
| Benzene                 | 0.16 J  | 0.20  | 0.012 | ppbv  | TO-15 |
| Carbon disulfide        | 0.78    | 0.20  | 0.024 | ppbv  | TO-15 |
| Chloromethane           | 0.51    | 0.20  | 0.015 | ppbv  | TO-15 |
| Carbon tetrachloride    | 0.085 J | 0.20  | 0.024 | ppbv  | TO-15 |
| Cyclohexane             | 2.7     | 0.20  | 0.022 | ppbv  | TO-15 |
| Dichlorodifluoromethane | 0.44    | 0.20  | 0.017 | ppbv  | TO-15 |
| Ethanol                 | 48.6 E  | 0.50  | 0.22  | ppbv  | TO-15 |
| Ethylbenzene            | 0.19 J  | 0.20  | 0.015 | ppbv  | TO-15 |
| Ethyl Acetate           | 5.4     | 0.20  | 0.038 | ppbv  | TO-15 |
| Heptane                 | 0.25    | 0.20  | 0.018 | ppbv  | TO-15 |
| Hexane                  | 0.14 J  | 0.20  | 0.011 | ppbv  | TO-15 |
| Isopropyl Alcohol       | 3.5     | 0.20  | 0.065 | ppbv  | TO-15 |
| Methylene chloride      | 0.27    | 0.20  | 0.015 | ppbv  | TO-15 |
| Methyl ethyl ketone     | 5.1     | 0.20  | 0.042 | ppbv  | TO-15 |
| 2,2,4-Trimethylpentane  | 0.10 J  | 0.20  | 0.022 | ppbv  | TO-15 |
| Tertiary Butyl Alcohol  | 1.2     | 0.20  | 0.014 | ppbv  | TO-15 |
| Tetrachloroethylene     | 0.29    | 0.040 | 0.031 | ppbv  | TO-15 |
| Tetrahydrofuran         | 0.15 J  | 0.20  | 0.050 | ppbv  | TO-15 |
| Toluene                 | 9.1     | 0.20  | 0.014 | ppbv  | TO-15 |
| Trichloroethylene       | 0.042   | 0.040 | 0.019 | ppbv  | TO-15 |
| Trichlorofluoromethane  | 0.22    | 0.20  | 0.028 | ppbv  | TO-15 |
| m,p-Xylene              | 0.54    | 0.20  | 0.034 | ppbv  | TO-15 |
| o-Xylene                | 0.34    | 0.20  | 0.017 | ppbv  | TO-15 |
| Xylenes (total)         | 0.88    | 0.20  | 0.017 | ppbv  | TO-15 |
| Acetone                 | 33.0    | 0.48  | 0.26  | ug/m3 | TO-15 |
| Benzene                 | 0.51 J  | 0.64  | 0.038 | ug/m3 | TO-15 |
| Carbon disulfide        | 2.4     | 0.62  | 0.075 | ug/m3 | TO-15 |
| Chloromethane           | 1.1     | 0.41  | 0.031 | ug/m3 | TO-15 |
| Carbon tetrachloride    | 0.53 J  | 1.3   | 0.15  | ug/m3 | TO-15 |
| Cyclohexane             | 9.3     | 0.69  | 0.076 | ug/m3 | TO-15 |
| Dichlorodifluoromethane | 2.2     | 0.99  | 0.084 | ug/m3 | TO-15 |
| Ethanol                 | 91.6 E  | 0.94  | 0.41  | ug/m3 | TO-15 |
| Ethylbenzene            | 0.83 J  | 0.87  | 0.065 | ug/m3 | TO-15 |
| Ethyl Acetate           | 19      | 0.72  | 0.14  | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Heptane                  |                  | 1.0             | 0.82 | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.49 J          | 0.70 | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 8.6             | 0.49 | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.94            | 0.69 | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 15              | 0.59 | 0.12  | ug/m3 | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 0.47 J          | 0.93 | 0.10  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 3.6             | 0.61 | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 2.0             | 0.27 | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.44 J          | 0.59 | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 34              | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichloroethylene        |                  | 0.23            | 0.21 | 0.10  | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.2             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.3             | 0.87 | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.5             | 0.87 | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 3.8             | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-26 ESS-1

|                        |        |      |       |       |       |
|------------------------|--------|------|-------|-------|-------|
| Acetone                | 17.4   | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide       | 2.1    | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloromethane          | 0.52 J | 0.80 | 0.061 | ppbv  | TO-15 |
| Cyclohexane            | 0.92   | 0.80 | 0.088 | ppbv  | TO-15 |
| Ethanol                | 31.8   | 2.0  | 0.87  | ppbv  | TO-15 |
| Ethyl Acetate          | 0.93   | 0.80 | 0.15  | ppbv  | TO-15 |
| Isopropyl Alcohol      | 2.2    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methylene chloride     | 1.5    | 0.80 | 0.058 | ppbv  | TO-15 |
| Methyl ethyl ketone    | 2.5    | 0.80 | 0.17  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol | 1.7    | 0.80 | 0.055 | ppbv  | TO-15 |
| Toluene                | 3.9    | 0.80 | 0.058 | ppbv  | TO-15 |
| Acetone                | 41.3   | 1.9  | 1.1   | ug/m3 | TO-15 |
| Carbon disulfide       | 6.5    | 2.5  | 0.29  | ug/m3 | TO-15 |
| Chloromethane          | 1.1 J  | 1.7  | 0.13  | ug/m3 | TO-15 |
| Cyclohexane            | 3.2    | 2.8  | 0.30  | ug/m3 | TO-15 |
| Ethanol                | 59.9   | 3.8  | 1.6   | ug/m3 | TO-15 |
| Ethyl Acetate          | 3.3    | 2.9  | 0.54  | ug/m3 | TO-15 |
| Isopropyl Alcohol      | 5.4    | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methylene chloride     | 5.2    | 2.8  | 0.20  | ug/m3 | TO-15 |
| Methyl ethyl ketone    | 7.4    | 2.4  | 0.50  | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | 5.2    | 2.4  | 0.17  | ug/m3 | TO-15 |
| Toluene                | 15     | 3.0  | 0.22  | ug/m3 | TO-15 |

### JD743-27 EIA-2

|                  |      |      |       |      |       |
|------------------|------|------|-------|------|-------|
| Acetone          | 11.8 | 0.20 | 0.11  | ppbv | TO-15 |
| Carbon disulfide | 0.49 | 0.20 | 0.024 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Chloromethane            |                  | 0.55            | 0.20 | 0.015 | ppbv  | TO-15  |
| Cyclohexane              |                  | 1.4             | 0.20 | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane  |                  | 0.43            | 0.20 | 0.017 | ppbv  | TO-15  |
| Ethanol                  |                  | 32.3            | 0.50 | 0.22  | ppbv  | TO-15  |
| Ethyl Acetate            |                  | 0.80            | 0.20 | 0.038 | ppbv  | TO-15  |
| Hexane                   |                  | 0.83            | 0.20 | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol        |                  | 1.5             | 0.20 | 0.065 | ppbv  | TO-15  |
| Methylene chloride       |                  | 4.1             | 0.20 | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 0.82            | 0.20 | 0.042 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 0.14 J          | 0.20 | 0.014 | ppbv  | TO-15  |
| Toluene                  |                  | 0.13 J          | 0.20 | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.28            | 0.20 | 0.028 | ppbv  | TO-15  |
| Acetone                  |                  | 28.0            | 0.48 | 0.26  | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 1.5             | 0.62 | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.1             | 0.41 | 0.031 | ug/m3 | TO-15  |
| Cyclohexane              |                  | 4.8             | 0.69 | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99 | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 60.9            | 0.94 | 0.41  | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 2.9             | 0.72 | 0.14  | ug/m3 | TO-15  |
| Hexane                   |                  | 2.9             | 0.70 | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 3.7             | 0.49 | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 14              | 0.69 | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 2.4             | 0.59 | 0.12  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 0.42 J          | 0.61 | 0.042 | ug/m3 | TO-15  |
| Toluene                  |                  | 0.49 J          | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.6             | 1.1  | 0.16  | ug/m3 | TO-15  |

### JD743-28 ESS-2

|                        |        |      |       |      |       |
|------------------------|--------|------|-------|------|-------|
| Acetone                | 31.8   | 0.80 | 0.45  | ppbv | TO-15 |
| Carbon disulfide       | 2.7    | 0.80 | 0.094 | ppbv | TO-15 |
| Chloromethane          | 0.60 J | 0.80 | 0.061 | ppbv | TO-15 |
| Cyclohexane            | 1.6    | 0.80 | 0.088 | ppbv | TO-15 |
| 1,4-Dioxane            | 3.5    | 0.80 | 0.21  | ppbv | TO-15 |
| Ethanol                | 79.3   | 2.0  | 0.87  | ppbv | TO-15 |
| Ethyl Acetate          | 0.58 J | 0.80 | 0.15  | ppbv | TO-15 |
| Isopropyl Alcohol      | 5.5    | 0.80 | 0.26  | ppbv | TO-15 |
| Methyl ethyl ketone    | 3.8    | 0.80 | 0.17  | ppbv | TO-15 |
| Methyl Isobutyl Ketone | 3.3    | 0.80 | 0.14  | ppbv | TO-15 |
| Propylene              | 1.0 J  | 2.0  | 0.064 | ppbv | TO-15 |
| Tertiary Butyl Alcohol | 2.2    | 0.80 | 0.055 | ppbv | TO-15 |
| Tetrachloroethylene    | 0.25   | 0.16 | 0.12  | ppbv | TO-15 |
| Toluene                | 6.4    | 0.80 | 0.058 | ppbv | TO-15 |
| m,p-Xylene             | 0.64 J | 0.80 | 0.14  | ppbv | TO-15 |
| Xylenes (total)        | 0.64 J | 0.80 | 0.068 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL  | MDL  | Units | Method |
|--------------------------|------------------|-----------------|-----|------|-------|--------|
| Acetone                  |                  | 75.5            | 1.9 | 1.1  | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 8.4             | 2.5 | 0.29 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.2 J           | 1.7 | 0.13 | ug/m3 | TO-15  |
| Cyclohexane              |                  | 5.5             | 2.8 | 0.30 | ug/m3 | TO-15  |
| 1,4-Dioxane              |                  | 13              | 2.9 | 0.76 | ug/m3 | TO-15  |
| Ethanol                  |                  | 149             | 3.8 | 1.6  | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 2.1 J           | 2.9 | 0.54 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 14              | 2.0 | 0.64 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 11              | 2.4 | 0.50 | ug/m3 | TO-15  |
| Methyl Isobutyl Ketone   |                  | 14              | 3.3 | 0.57 | ug/m3 | TO-15  |
| Propylene                |                  | 1.7 J           | 3.4 | 0.11 | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 6.7             | 2.4 | 0.17 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.7             | 1.1 | 0.81 | ug/m3 | TO-15  |
| Toluene                  |                  | 24              | 3.0 | 0.22 | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.8 J           | 3.5 | 0.61 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 2.8 J           | 3.5 | 0.30 | ug/m3 | TO-15  |

### JD743-29 EIA-3

|                         |         |       |       |       |       |
|-------------------------|---------|-------|-------|-------|-------|
| Acetone                 | 15.3    | 0.20  | 0.11  | ppbv  | TO-15 |
| Benzene                 | 0.15 J  | 0.20  | 0.012 | ppbv  | TO-15 |
| Carbon disulfide        | 0.77    | 0.20  | 0.024 | ppbv  | TO-15 |
| Chloromethane           | 0.50    | 0.20  | 0.015 | ppbv  | TO-15 |
| Carbon tetrachloride    | 0.069 J | 0.20  | 0.024 | ppbv  | TO-15 |
| Cyclohexane             | 2.8     | 0.20  | 0.022 | ppbv  | TO-15 |
| Dichlorodifluoromethane | 0.42    | 0.20  | 0.017 | ppbv  | TO-15 |
| Ethanol                 | 52.6 E  | 0.50  | 0.22  | ppbv  | TO-15 |
| Ethylbenzene            | 0.17 J  | 0.20  | 0.015 | ppbv  | TO-15 |
| Ethyl Acetate           | 5.9     | 0.20  | 0.038 | ppbv  | TO-15 |
| Heptane                 | 0.24    | 0.20  | 0.018 | ppbv  | TO-15 |
| Hexane                  | 0.14 J  | 0.20  | 0.011 | ppbv  | TO-15 |
| Isopropyl Alcohol       | 4.2     | 0.20  | 0.065 | ppbv  | TO-15 |
| Methylene chloride      | 0.23    | 0.20  | 0.015 | ppbv  | TO-15 |
| Methyl ethyl ketone     | 5.4     | 0.20  | 0.042 | ppbv  | TO-15 |
| 2,2,4-Trimethylpentane  | 0.085 J | 0.20  | 0.022 | ppbv  | TO-15 |
| Tertiary Butyl Alcohol  | 1.2     | 0.20  | 0.014 | ppbv  | TO-15 |
| Tetrachloroethylene     | 0.21    | 0.040 | 0.031 | ppbv  | TO-15 |
| Tetrahydrofuran         | 0.13 J  | 0.20  | 0.050 | ppbv  | TO-15 |
| Toluene                 | 9.5     | 0.20  | 0.014 | ppbv  | TO-15 |
| Trichlorofluoromethane  | 0.20    | 0.20  | 0.028 | ppbv  | TO-15 |
| m,p-Xylene              | 0.53    | 0.20  | 0.034 | ppbv  | TO-15 |
| o-Xylene                | 0.33    | 0.20  | 0.017 | ppbv  | TO-15 |
| Xylenes (total)         | 0.86    | 0.20  | 0.017 | ppbv  | TO-15 |
| Acetone                 | 36.3    | 0.48  | 0.26  | ug/m3 | TO-15 |
| Benzene                 | 0.48 J  | 0.64  | 0.038 | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|--------------------------|------------------|-----------------|------|-------|-------|--------|
| Carbon disulfide         |                  | 2.4             | 0.62 | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.0             | 0.41 | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.43 J          | 1.3  | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 9.6             | 0.69 | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.1             | 0.99 | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 99.1 E          | 0.94 | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 0.74 J          | 0.87 | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 21              | 0.72 | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 0.98            | 0.82 | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.49 J          | 0.70 | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 10              | 0.49 | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.80            | 0.69 | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 16              | 0.59 | 0.12  | ug/m3 | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 0.40 J          | 0.93 | 0.10  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 3.6             | 0.61 | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.4             | 0.27 | 0.21  | ug/m3 | TO-15  |
| Tetrahydrofuran          |                  | 0.38 J          | 0.59 | 0.15  | ug/m3 | TO-15  |
| Toluene                  |                  | 36              | 0.75 | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.1             | 1.1  | 0.16  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 2.3             | 0.87 | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.4             | 0.87 | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 3.7             | 0.87 | 0.074 | ug/m3 | TO-15  |

### JD743-30 ESS-3

|                        |        |      |       |       |       |
|------------------------|--------|------|-------|-------|-------|
| Acetone                | 48.0   | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide       | 14.1   | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloroform             | 0.77 J | 0.80 | 0.080 | ppbv  | TO-15 |
| 1,4-Dioxane            | 5.9    | 0.80 | 0.21  | ppbv  | TO-15 |
| Ethanol                | 54.4   | 2.0  | 0.87  | ppbv  | TO-15 |
| Isopropyl Alcohol      | 6.8    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methyl ethyl ketone    | 2.1    | 0.80 | 0.17  | ppbv  | TO-15 |
| Methyl Isobutyl Ketone | 7.3    | 0.80 | 0.14  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol | 2.4    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene    | 5.9    | 0.16 | 0.12  | ppbv  | TO-15 |
| Toluene                | 0.92   | 0.80 | 0.058 | ppbv  | TO-15 |
| Acetone                | 114    | 1.9  | 1.1   | ug/m3 | TO-15 |
| Carbon disulfide       | 43.9   | 2.5  | 0.29  | ug/m3 | TO-15 |
| Chloroform             | 3.8 J  | 3.9  | 0.39  | ug/m3 | TO-15 |
| 1,4-Dioxane            | 21     | 2.9  | 0.76  | ug/m3 | TO-15 |
| Ethanol                | 103    | 3.8  | 1.6   | ug/m3 | TO-15 |
| Isopropyl Alcohol      | 17     | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methyl ethyl ketone    | 6.2    | 2.4  | 0.50  | ug/m3 | TO-15 |
| Methyl Isobutyl Ketone | 30     | 3.3  | 0.57  | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | 7.3    | 2.4  | 0.17  | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|                     |  |     |     |      |       |       |
|---------------------|--|-----|-----|------|-------|-------|
| Tetrachloroethylene |  | 40  | 1.1 | 0.81 | ug/m3 | TO-15 |
| Toluene             |  | 3.5 | 3.0 | 0.22 | ug/m3 | TO-15 |

### JD743-31 EIA-4

|                         |         |       |       |       |       |
|-------------------------|---------|-------|-------|-------|-------|
| Acetone                 | 17.8    | 0.20  | 0.11  | ppbv  | TO-15 |
| Benzene                 | 0.14 J  | 0.20  | 0.012 | ppbv  | TO-15 |
| Carbon disulfide        | 0.43    | 0.20  | 0.024 | ppbv  | TO-15 |
| Chloromethane           | 0.51    | 0.20  | 0.015 | ppbv  | TO-15 |
| Carbon tetrachloride    | 0.066 J | 0.20  | 0.024 | ppbv  | TO-15 |
| Cyclohexane             | 3.1     | 0.20  | 0.022 | ppbv  | TO-15 |
| Dichlorodifluoromethane | 0.42    | 0.20  | 0.017 | ppbv  | TO-15 |
| Ethanol                 | 34.0    | 0.50  | 0.22  | ppbv  | TO-15 |
| Ethylbenzene            | 0.12 J  | 0.20  | 0.015 | ppbv  | TO-15 |
| Ethyl Acetate           | 5.5     | 0.20  | 0.038 | ppbv  | TO-15 |
| Heptane                 | 0.16 J  | 0.20  | 0.018 | ppbv  | TO-15 |
| Hexane                  | 0.14 J  | 0.20  | 0.011 | ppbv  | TO-15 |
| Isopropyl Alcohol       | 3.3     | 0.20  | 0.065 | ppbv  | TO-15 |
| Methylene chloride      | 0.36    | 0.20  | 0.015 | ppbv  | TO-15 |
| Methyl ethyl ketone     | 3.4     | 0.20  | 0.042 | ppbv  | TO-15 |
| Tertiary Butyl Alcohol  | 0.93    | 0.20  | 0.014 | ppbv  | TO-15 |
| Tetrachloroethylene     | 0.13    | 0.040 | 0.031 | ppbv  | TO-15 |
| Toluene                 | 6.0     | 0.20  | 0.014 | ppbv  | TO-15 |
| Trichlorofluoromethane  | 0.20    | 0.20  | 0.028 | ppbv  | TO-15 |
| m,p-Xylene              | 0.34    | 0.20  | 0.034 | ppbv  | TO-15 |
| o-Xylene                | 0.21    | 0.20  | 0.017 | ppbv  | TO-15 |
| Xylenes (total)         | 0.55    | 0.20  | 0.017 | ppbv  | TO-15 |
| Acetone                 | 42.3    | 0.48  | 0.26  | ug/m3 | TO-15 |
| Benzene                 | 0.45 J  | 0.64  | 0.038 | ug/m3 | TO-15 |
| Carbon disulfide        | 1.3     | 0.62  | 0.075 | ug/m3 | TO-15 |
| Chloromethane           | 1.1     | 0.41  | 0.031 | ug/m3 | TO-15 |
| Carbon tetrachloride    | 0.42 J  | 1.3   | 0.15  | ug/m3 | TO-15 |
| Cyclohexane             | 11      | 0.69  | 0.076 | ug/m3 | TO-15 |
| Dichlorodifluoromethane | 2.1     | 0.99  | 0.084 | ug/m3 | TO-15 |
| Ethanol                 | 64.1    | 0.94  | 0.41  | ug/m3 | TO-15 |
| Ethylbenzene            | 0.52 J  | 0.87  | 0.065 | ug/m3 | TO-15 |
| Ethyl Acetate           | 20      | 0.72  | 0.14  | ug/m3 | TO-15 |
| Heptane                 | 0.66 J  | 0.82  | 0.074 | ug/m3 | TO-15 |
| Hexane                  | 0.49 J  | 0.70  | 0.039 | ug/m3 | TO-15 |
| Isopropyl Alcohol       | 8.1     | 0.49  | 0.16  | ug/m3 | TO-15 |
| Methylene chloride      | 1.3     | 0.69  | 0.052 | ug/m3 | TO-15 |
| Methyl ethyl ketone     | 10      | 0.59  | 0.12  | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol  | 2.8     | 0.61  | 0.042 | ug/m3 | TO-15 |
| Tetrachloroethylene     | 0.88    | 0.27  | 0.21  | ug/m3 | TO-15 |
| Toluene                 | 23      | 0.75  | 0.053 | ug/m3 | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|                        |  |      |      |       |       |       |
|------------------------|--|------|------|-------|-------|-------|
| Trichlorofluoromethane |  | 1.1  | 1.1  | 0.16  | ug/m3 | TO-15 |
| m,p-Xylene             |  | 1.5  | 0.87 | 0.15  | ug/m3 | TO-15 |
| o-Xylene               |  | 0.91 | 0.87 | 0.074 | ug/m3 | TO-15 |
| Xylenes (total)        |  | 2.4  | 0.87 | 0.074 | ug/m3 | TO-15 |

### JD743-32 ESS-4

|                        |  |        |      |       |       |       |
|------------------------|--|--------|------|-------|-------|-------|
| Acetone                |  | 23.4   | 0.80 | 0.45  | ppbv  | TO-15 |
| Carbon disulfide       |  | 6.7    | 0.80 | 0.094 | ppbv  | TO-15 |
| Chloromethane          |  | 0.43 J | 0.80 | 0.061 | ppbv  | TO-15 |
| Cyclohexane            |  | 1.4    | 0.80 | 0.088 | ppbv  | TO-15 |
| 1,4-Dioxane            |  | 1.9    | 0.80 | 0.21  | ppbv  | TO-15 |
| Ethanol                |  | 42.7   | 2.0  | 0.87  | ppbv  | TO-15 |
| Isopropyl Alcohol      |  | 2.8    | 0.80 | 0.26  | ppbv  | TO-15 |
| Methyl ethyl ketone    |  | 2.4    | 0.80 | 0.17  | ppbv  | TO-15 |
| Methyl Isobutyl Ketone |  | 2.5    | 0.80 | 0.14  | ppbv  | TO-15 |
| Tertiary Butyl Alcohol |  | 2.0    | 0.80 | 0.055 | ppbv  | TO-15 |
| Tetrachloroethylene    |  | 4.3    | 0.16 | 0.12  | ppbv  | TO-15 |
| Toluene                |  | 4.4    | 0.80 | 0.058 | ppbv  | TO-15 |
| m,p-Xylene             |  | 0.70 J | 0.80 | 0.14  | ppbv  | TO-15 |
| o-Xylene               |  | 0.41 J | 0.80 | 0.068 | ppbv  | TO-15 |
| Xylenes (total)        |  | 1.1    | 0.80 | 0.068 | ppbv  | TO-15 |
| Acetone                |  | 55.6   | 1.9  | 1.1   | ug/m3 | TO-15 |
| Carbon disulfide       |  | 21     | 2.5  | 0.29  | ug/m3 | TO-15 |
| Chloromethane          |  | 0.89 J | 1.7  | 0.13  | ug/m3 | TO-15 |
| Cyclohexane            |  | 4.8    | 2.8  | 0.30  | ug/m3 | TO-15 |
| 1,4-Dioxane            |  | 6.8    | 2.9  | 0.76  | ug/m3 | TO-15 |
| Ethanol                |  | 80.5   | 3.8  | 1.6   | ug/m3 | TO-15 |
| Isopropyl Alcohol      |  | 6.9    | 2.0  | 0.64  | ug/m3 | TO-15 |
| Methyl ethyl ketone    |  | 7.1    | 2.4  | 0.50  | ug/m3 | TO-15 |
| Methyl Isobutyl Ketone |  | 10     | 3.3  | 0.57  | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol |  | 6.1    | 2.4  | 0.17  | ug/m3 | TO-15 |
| Tetrachloroethylene    |  | 29     | 1.1  | 0.81  | ug/m3 | TO-15 |
| Toluene                |  | 17     | 3.0  | 0.22  | ug/m3 | TO-15 |
| m,p-Xylene             |  | 3.0 J  | 3.5  | 0.61  | ug/m3 | TO-15 |
| o-Xylene               |  | 1.8 J  | 3.5  | 0.30  | ug/m3 | TO-15 |
| Xylenes (total)        |  | 4.8    | 3.5  | 0.30  | ug/m3 | TO-15 |

### JD743-33 EIA-5

|                      |  |         |      |       |      |       |
|----------------------|--|---------|------|-------|------|-------|
| Acetone              |  | 15.1    | 0.20 | 0.11  | ppbv | TO-15 |
| Benzene              |  | 0.15 J  | 0.20 | 0.012 | ppbv | TO-15 |
| Carbon disulfide     |  | 0.78    | 0.20 | 0.024 | ppbv | TO-15 |
| Chloromethane        |  | 0.52    | 0.20 | 0.015 | ppbv | TO-15 |
| Carbon tetrachloride |  | 0.068 J | 0.20 | 0.024 | ppbv | TO-15 |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL    | MDL   | Units | Method |
|--------------------------|------------------|-----------------|-------|-------|-------|--------|
| Cyclohexane              |                  | 2.5             | 0.20  | 0.022 | ppbv  | TO-15  |
| Dichlorodifluoromethane  |                  | 0.44            | 0.20  | 0.017 | ppbv  | TO-15  |
| Ethanol                  |                  | 48.4 E          | 0.50  | 0.22  | ppbv  | TO-15  |
| Ethylbenzene             |                  | 0.14 J          | 0.20  | 0.015 | ppbv  | TO-15  |
| Ethyl Acetate            |                  | 5.1             | 0.20  | 0.038 | ppbv  | TO-15  |
| Heptane                  |                  | 0.22            | 0.20  | 0.018 | ppbv  | TO-15  |
| Hexane                   |                  | 0.11 J          | 0.20  | 0.011 | ppbv  | TO-15  |
| Isopropyl Alcohol        |                  | 4.3             | 0.20  | 0.065 | ppbv  | TO-15  |
| Methylene chloride       |                  | 0.26            | 0.20  | 0.015 | ppbv  | TO-15  |
| Methyl ethyl ketone      |                  | 4.8             | 0.20  | 0.042 | ppbv  | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 0.11 J          | 0.20  | 0.022 | ppbv  | TO-15  |
| Tertiary Butyl Alcohol   |                  | 1.0             | 0.20  | 0.014 | ppbv  | TO-15  |
| Tetrachloroethylene      |                  | 0.18            | 0.040 | 0.031 | ppbv  | TO-15  |
| Toluene                  |                  | 13.9            | 0.20  | 0.014 | ppbv  | TO-15  |
| Trichlorofluoromethane   |                  | 0.21            | 0.20  | 0.028 | ppbv  | TO-15  |
| Vinyl Acetate            |                  | 0.47            | 0.20  | 0.034 | ppbv  | TO-15  |
| m,p-Xylene               |                  | 0.40            | 0.20  | 0.034 | ppbv  | TO-15  |
| o-Xylene                 |                  | 0.26            | 0.20  | 0.017 | ppbv  | TO-15  |
| Xylenes (total)          |                  | 0.66            | 0.20  | 0.017 | ppbv  | TO-15  |
| Acetone                  |                  | 35.9            | 0.48  | 0.26  | ug/m3 | TO-15  |
| Benzene                  |                  | 0.48 J          | 0.64  | 0.038 | ug/m3 | TO-15  |
| Carbon disulfide         |                  | 2.4             | 0.62  | 0.075 | ug/m3 | TO-15  |
| Chloromethane            |                  | 1.1             | 0.41  | 0.031 | ug/m3 | TO-15  |
| Carbon tetrachloride     |                  | 0.43 J          | 1.3   | 0.15  | ug/m3 | TO-15  |
| Cyclohexane              |                  | 8.6             | 0.69  | 0.076 | ug/m3 | TO-15  |
| Dichlorodifluoromethane  |                  | 2.2             | 0.99  | 0.084 | ug/m3 | TO-15  |
| Ethanol                  |                  | 91.2 E          | 0.94  | 0.41  | ug/m3 | TO-15  |
| Ethylbenzene             |                  | 0.61 J          | 0.87  | 0.065 | ug/m3 | TO-15  |
| Ethyl Acetate            |                  | 18              | 0.72  | 0.14  | ug/m3 | TO-15  |
| Heptane                  |                  | 0.90            | 0.82  | 0.074 | ug/m3 | TO-15  |
| Hexane                   |                  | 0.39 J          | 0.70  | 0.039 | ug/m3 | TO-15  |
| Isopropyl Alcohol        |                  | 11              | 0.49  | 0.16  | ug/m3 | TO-15  |
| Methylene chloride       |                  | 0.90            | 0.69  | 0.052 | ug/m3 | TO-15  |
| Methyl ethyl ketone      |                  | 14              | 0.59  | 0.12  | ug/m3 | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 0.51 J          | 0.93  | 0.10  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol   |                  | 3.0             | 0.61  | 0.042 | ug/m3 | TO-15  |
| Tetrachloroethylene      |                  | 1.2             | 0.27  | 0.21  | ug/m3 | TO-15  |
| Toluene                  |                  | 52.4            | 0.75  | 0.053 | ug/m3 | TO-15  |
| Trichlorofluoromethane   |                  | 1.2             | 1.1   | 0.16  | ug/m3 | TO-15  |
| Vinyl Acetate            |                  | 1.7             | 0.70  | 0.12  | ug/m3 | TO-15  |
| m,p-Xylene               |                  | 1.7             | 0.87  | 0.15  | ug/m3 | TO-15  |
| o-Xylene                 |                  | 1.1             | 0.87  | 0.074 | ug/m3 | TO-15  |
| Xylenes (total)          |                  | 2.9             | 0.87  | 0.074 | ug/m3 | TO-15  |

## Summary of Hits

**Job Number:** JD743  
**Account:** Arcadis  
**Project:** Stellae International, NY  
**Collected:** 12/18/19



| Lab Sample ID           | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method |
|-------------------------|------------------|-----------------|------|-------|-------|--------|
| JD743-34                | ESS-5            |                 |      |       |       |        |
| Acetone                 |                  | 39.3            | 0.80 | 0.45  | ppbv  | TO-15  |
| Carbon disulfide        |                  | 11.5            | 0.80 | 0.094 | ppbv  | TO-15  |
| Chloromethane           |                  | 0.54 J          | 0.80 | 0.061 | ppbv  | TO-15  |
| Cyclohexane             |                  | 2.2             | 0.80 | 0.088 | ppbv  | TO-15  |
| 1,4-Dioxane             |                  | 1.3             | 0.80 | 0.21  | ppbv  | TO-15  |
| Dichlorodifluoromethane |                  | 0.46 J          | 0.80 | 0.066 | ppbv  | TO-15  |
| Ethanol                 |                  | 48.5            | 2.0  | 0.87  | ppbv  | TO-15  |
| Ethyl Acetate           |                  | 0.99            | 0.80 | 0.15  | ppbv  | TO-15  |
| Isopropyl Alcohol       |                  | 6.6             | 0.80 | 0.26  | ppbv  | TO-15  |
| Methyl ethyl ketone     |                  | 5.6             | 0.80 | 0.17  | ppbv  | TO-15  |
| Methyl Isobutyl Ketone  |                  | 2.0             | 0.80 | 0.14  | ppbv  | TO-15  |
| Tertiary Butyl Alcohol  |                  | 3.0             | 0.80 | 0.055 | ppbv  | TO-15  |
| Tetrachloroethylene     |                  | 0.35            | 0.16 | 0.12  | ppbv  | TO-15  |
| Tetrahydrofuran         |                  | 1.2             | 0.80 | 0.20  | ppbv  | TO-15  |
| Toluene                 |                  | 13.4            | 0.80 | 0.058 | ppbv  | TO-15  |
| m,p-Xylene              |                  | 0.64 J          | 0.80 | 0.14  | ppbv  | TO-15  |
| o-Xylene                |                  | 0.40 J          | 0.80 | 0.068 | ppbv  | TO-15  |
| Xylenes (total)         |                  | 1.0             | 0.80 | 0.068 | ppbv  | TO-15  |
| Acetone                 |                  | 93.4            | 1.9  | 1.1   | ug/m3 | TO-15  |
| Carbon disulfide        |                  | 35.8            | 2.5  | 0.29  | ug/m3 | TO-15  |
| Chloromethane           |                  | 1.1 J           | 1.7  | 0.13  | ug/m3 | TO-15  |
| Cyclohexane             |                  | 7.6             | 2.8  | 0.30  | ug/m3 | TO-15  |
| 1,4-Dioxane             |                  | 4.7             | 2.9  | 0.76  | ug/m3 | TO-15  |
| Dichlorodifluoromethane |                  | 2.3 J           | 4.0  | 0.33  | ug/m3 | TO-15  |
| Ethanol                 |                  | 91.4            | 3.8  | 1.6   | ug/m3 | TO-15  |
| Ethyl Acetate           |                  | 3.6             | 2.9  | 0.54  | ug/m3 | TO-15  |
| Isopropyl Alcohol       |                  | 16              | 2.0  | 0.64  | ug/m3 | TO-15  |
| Methyl ethyl ketone     |                  | 17              | 2.4  | 0.50  | ug/m3 | TO-15  |
| Methyl Isobutyl Ketone  |                  | 8.2             | 3.3  | 0.57  | ug/m3 | TO-15  |
| Tertiary Butyl Alcohol  |                  | 9.1             | 2.4  | 0.17  | ug/m3 | TO-15  |
| Tetrachloroethylene     |                  | 2.4             | 1.1  | 0.81  | ug/m3 | TO-15  |
| Tetrahydrofuran         |                  | 3.5             | 2.4  | 0.59  | ug/m3 | TO-15  |
| Toluene                 |                  | 50.5            | 3.0  | 0.22  | ug/m3 | TO-15  |
| m,p-Xylene              |                  | 2.8 J           | 3.5  | 0.61  | ug/m3 | TO-15  |
| o-Xylene                |                  | 1.7 J           | 3.5  | 0.30  | ug/m3 | TO-15  |
| Xylenes (total)         |                  | 4.3             | 3.5  | 0.30  | ug/m3 | TO-15  |



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

## Report of Analysis

Page 1 of 2

|                          |                           |                   |                                |
|--------------------------|---------------------------|-------------------|--------------------------------|
| <b>Client Sample ID:</b> | WIA-1                     |                   |                                |
| <b>Lab Sample ID:</b>    | JD743-1                   |                   | <b>Date Sampled:</b> 12/18/19  |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: LA 2352 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |                   | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |                   |                                |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39946.D | 1  | 12/31/19 16:30 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 18.2   | 0.20 | 0.11   | ppbv  |   | 43.2   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.76   | 0.20 | 0.024  | ppbv  |   | 2.4    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.46   | 0.20 | 0.015  | ppbv  |   | 0.95   | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.068  | 0.20 | 0.024  | ppbv  | J | 0.43   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 3.4    | 0.20 | 0.022  | ppbv  |   | 12     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.41   | 0.20 | 0.017  | ppbv  |   | 2.0    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                   |                                |
|--------------------------|---------------------------|-------------------|--------------------------------|
| <b>Client Sample ID:</b> | WIA-1                     |                   |                                |
| <b>Lab Sample ID:</b>    | JD743-1                   |                   |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: LA 2352 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                   | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                   | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 33.8   | 0.50  | 0.22  | ppbv  |   | 63.7   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.16   | 0.20  | 0.015 | ppbv  | J | 0.69   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.8    | 0.20  | 0.038 | ppbv  |   | 21     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.59   | 0.20  | 0.018 | ppbv  |   | 2.4    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.15   | 0.20  | 0.011 | ppbv  | J | 0.53   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.1    | 0.20  | 0.065 | ppbv  |   | 7.6    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.25   | 0.20  | 0.015 | ppbv  |   | 0.87   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 2.9    | 0.20  | 0.042 | ppbv  |   | 8.6    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.16   | 0.20  | 0.019 | ppbv  | J | 0.68   | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 0.10   | 0.20  | 0.033 | ppbv  | J | 0.49   | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.79   | 0.20  | 0.014 | ppbv  |   | 2.4    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.14   | 0.040 | 0.031 | ppbv  |   | 0.95   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.16   | 0.20  | 0.050 | ppbv  | J | 0.47   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 3.0    | 0.20  | 0.014 | ppbv  |   | 11     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.46   | 0.20  | 0.034 | ppbv  |   | 2.0    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.31   | 0.20  | 0.017 | ppbv  |   | 1.3    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.78   | 0.20  | 0.017 | ppbv  |   | 3.4    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 94%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |  |                        |          |
|--------------------------|---------------------------|-----------|------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | WSS-1                     |           |      |  |  |                        |          |
| <b>Lab Sample ID:</b>    | JD743-2                   |           |      |  |  |                        |          |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | A775 |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Method:</b>           | TO-15                     |           |      |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |           |      |  |  | <b>Percent Solids:</b> | n/a      |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15509.D | 1  | 12/31/19 17:44 | TCH | n/a       | n/a        | V6W645           |
| Run #2 | 5W39975.D | 1  | 01/02/20 17:20 | DFT | n/a       | n/a        | V5W1626          |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 | 10.0 ml        |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 77.2   | 0.80 | 0.45  | ppbv  |   | 183    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.81   | 0.80 | 0.094 | ppbv  |   | 2.5    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | 0.72   | 0.80 | 0.080 | ppbv  | J | 3.5    | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | ND     | 0.80 | 0.061 | ppbv  |   | ND     | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 0.72   | 0.80 | 0.088 | ppbv  | J | 2.5    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | 0.54   | 0.80 | 0.047 | ppbv  | J | 2.1    | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** WSS-1  
**Lab Sample ID:** JD743-2  
**Matrix:** AIR - Soil Vapor Comp. Summa ID: A775  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19

**Date Received:** 12/20/19

**Percent Solids:** n/a

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result            | RL   | MDL   | Units | Q | Result            | RL   | MDL  | Units |
|-----------|--------|---------------------------|-------------------|------|-------|-------|---|-------------------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 23.0              | 2.0  | 0.87  | ppbv  |   | 43.3              | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND                | 0.80 | 0.060 | ppbv  |   | ND                | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | ND                | 0.80 | 0.15  | ppbv  |   | ND                | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND                | 0.80 | 0.12  | ppbv  |   | ND                | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND                | 0.80 | 0.068 | ppbv  |   | ND                | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND                | 0.80 | 0.076 | ppbv  |   | ND                | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND                | 0.80 | 0.070 | ppbv  |   | ND                | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | 0.69              | 0.80 | 0.18  | ppbv  | J | 7.4               | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND                | 0.80 | 0.042 | ppbv  |   | ND                | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND                | 0.80 | 0.15  | ppbv  |   | ND                | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 1.4               | 0.80 | 0.26  | ppbv  |   | 3.4               | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND                | 0.80 | 0.058 | ppbv  |   | ND                | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 12.3              | 0.80 | 0.17  | ppbv  |   | 36.3              | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND                | 0.80 | 0.14  | ppbv  |   | ND                | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND                | 0.80 | 0.077 | ppbv  |   | ND                | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND                | 0.80 | 0.13  | ppbv  |   | ND                | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | 3.2               | 2.0  | 0.064 | ppbv  |   | 5.5               | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND                | 0.80 | 0.076 | ppbv  |   | ND                | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND                | 0.80 | 0.13  | ppbv  |   | ND                | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND                | 0.80 | 0.11  | ppbv  |   | ND                | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND                | 0.80 | 0.12  | ppbv  |   | ND                | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND                | 0.80 | 0.35  | ppbv  |   | ND                | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND                | 0.80 | 0.13  | ppbv  |   | ND                | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND                | 0.80 | 0.13  | ppbv  |   | ND                | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND                | 0.80 | 0.087 | ppbv  |   | ND                | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.7               | 0.80 | 0.055 | ppbv  |   | 8.2               | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 1250 <sup>a</sup> | 1.6  | 1.2   | ppbv  |   | 8480 <sup>a</sup> | 11   | 8.1  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND                | 0.80 | 0.20  | ppbv  |   | ND                | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.48              | 0.80 | 0.058 | ppbv  | J | 1.8               | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 13.9              | 0.16 | 0.076 | ppbv  |   | 74.7              | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 2.6 <sup>a</sup>  | 1.6  | 1.1   | ppbv  |   | 15 <sup>a</sup>   | 9.0  | 6.2  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND                | 0.80 | 0.089 | ppbv  |   | ND                | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND                | 0.80 | 0.14  | ppbv  |   | ND                | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | ND                | 0.80 | 0.14  | ppbv  |   | ND                | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND                | 0.80 | 0.068 | ppbv  |   | ND                | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND                | 0.80 | 0.068 | ppbv  |   | ND                | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 90%    | 93%    | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

**Client Sample ID:** WSS-1  
**Lab Sample ID:** JD743-2  
**Matrix:** AIR - Soil Vapor Comp.      Summa ID: A775  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19

**Date Received:** 12/20/19

**Percent Solids:** n/a

## VOA T015 List

| CAS No. | MW | Compound | Result | RL | MDL | Units | Q | Result | RL | MDL | Units |
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | WIA-2                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-3                   | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | <b>Summa ID:</b>       | A195     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39947.D | 1  | 12/31/19 17:24 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 19.8   | 0.20 | 0.11   | ppbv  |   | 47.0   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.76   | 0.20 | 0.024  | ppbv  |   | 2.4    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.58   | 0.20 | 0.015  | ppbv  |   | 1.2    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.071  | 0.20 | 0.024  | ppbv  | J | 0.45   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 3.6    | 0.20 | 0.022  | ppbv  |   | 12     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.42   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | WIA-2                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-3                   |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A195 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 34.6   | 0.50  | 0.22  | ppbv  |   | 65.2   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.14   | 0.20  | 0.015 | ppbv  | J | 0.61   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.7    | 0.20  | 0.038 | ppbv  |   | 21     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.63   | 0.20  | 0.018 | ppbv  |   | 2.6    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.16   | 0.20  | 0.011 | ppbv  | J | 0.56   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.3    | 0.20  | 0.065 | ppbv  |   | 8.1    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.2    | 0.20  | 0.042 | ppbv  |   | 9.4    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.88   | 0.20  | 0.014 | ppbv  |   | 2.7    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.19   | 0.040 | 0.031 | ppbv  |   | 1.3    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.17   | 0.20  | 0.050 | ppbv  | J | 0.50   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 2.8    | 0.20  | 0.014 | ppbv  |   | 11     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.21   | 0.20  | 0.028 | ppbv  |   | 1.2    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.37   | 0.20  | 0.034 | ppbv  |   | 1.6    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.25   | 0.20  | 0.017 | ppbv  |   | 1.1    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.63   | 0.20  | 0.017 | ppbv  |   | 2.7    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 91%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                       |                        |          |
|--------------------------|---------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | WSS-2                                 | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-4                               | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp. Summa ID: M238 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                 |                        |          |
| <b>Project:</b>          | Stellae International, NY             |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15511.D | 1  | 12/31/19 19:20 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 127    | 0.80 | 0.45  | ppbv  |   | 302    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 3.1    | 0.80 | 0.094 | ppbv  |   | 9.7    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.58   | 0.80 | 0.061 | ppbv  | J | 1.2    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.5    | 0.80 | 0.088 | ppbv  |   | 5.2    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** WSS-2  
**Lab Sample ID:** JD743-4  
**Matrix:** AIR - Soil Vapor Comp. Summa ID: M238  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19

**Date Received:** 12/20/19

**Percent Solids:** n/a

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 96.4   | 2.0  | 0.87  | ppbv  |   | 182    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 5.1    | 0.80 | 0.26  | ppbv  |   | 13     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 10.0   | 0.80 | 0.17  | ppbv  |   | 29.5   | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 3.1    | 0.80 | 0.055 | ppbv  |   | 9.4    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 3.7    | 0.16 | 0.12  | ppbv  |   | 25     | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 1.4    | 0.80 | 0.058 | ppbv  |   | 5.3    | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.41   | 0.80 | 0.14  | ppbv  | J | 1.8    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.41   | 0.80 | 0.068 | ppbv  | J | 1.8    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 100%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

|                          |                           |           |       |                        |          |
|--------------------------|---------------------------|-----------|-------|------------------------|----------|
| <b>Client Sample ID:</b> | WIA-3                     |           |       |                        |          |
| <b>Lab Sample ID:</b>    | JD743-5                   |           |       | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A1074 | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |       | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |       |                        |          |

|        | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39948.D | 1.55 | 12/31/19 18:18 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |      |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 620 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 16.8   | 0.20 | 0.11   | ppbv  |   | 39.9   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.14   | 0.20 | 0.012  | ppbv  | J | 0.45   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.69   | 0.20 | 0.024  | ppbv  |   | 2.1    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.47   | 0.20 | 0.015  | ppbv  |   | 0.97   | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.066  | 0.20 | 0.024  | ppbv  | J | 0.42   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 3.2    | 0.20 | 0.022  | ppbv  |   | 11     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.42   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | WIA-3                     |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-5                   |                 |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A1074 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                 | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                 | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 38.8   | 0.50  | 0.22  | ppbv  |   | 73.1   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.18   | 0.20  | 0.015 | ppbv  | J | 0.78   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.9    | 0.20  | 0.038 | ppbv  |   | 21     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.59   | 0.20  | 0.018 | ppbv  |   | 2.4    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.14   | 0.20  | 0.011 | ppbv  | J | 0.49   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.5    | 0.20  | 0.065 | ppbv  |   | 8.6    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.20   | 0.20  | 0.015 | ppbv  |   | 0.69   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 2.7    | 0.20  | 0.042 | ppbv  |   | 8.0    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.12   | 0.20  | 0.019 | ppbv  | J | 0.51   | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 1.0    | 0.20  | 0.014 | ppbv  |   | 3.0    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.18   | 0.040 | 0.031 | ppbv  |   | 1.2    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.24   | 0.20  | 0.050 | ppbv  |   | 0.71   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 3.4    | 0.20  | 0.014 | ppbv  |   | 13     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.19   | 0.20  | 0.028 | ppbv  | J | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.51   | 0.20  | 0.034 | ppbv  |   | 2.2    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.33   | 0.20  | 0.017 | ppbv  |   | 1.4    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.84   | 0.20  | 0.017 | ppbv  |   | 3.6    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 93%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |       |  |  |                        |          |
|--------------------------|---------------------------|-----------|-------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | WSS-3                     |           |       |  |  |                        |          |
| <b>Lab Sample ID:</b>    | JD743-6                   |           |       |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | A1051 |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |       |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |       |  |  |                        |          |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15512.D | 1  | 12/31/19 20:08 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 25.6   | 0.80 | 0.45  | ppbv  |   | 60.8   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 1.5    | 0.80 | 0.094 | ppbv  |   | 4.7    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.48   | 0.80 | 0.061 | ppbv  | J | 0.99   | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.7    | 0.80 | 0.088 | ppbv  |   | 5.9    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | WSS-3                     |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-6                   |                 |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A1051 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                 | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                 | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 46.6   | 2.0  | 0.87  | ppbv  |   | 87.8   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 1.3    | 0.80 | 0.15  | ppbv  |   | 4.7    | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 2.6    | 0.80 | 0.26  | ppbv  |   | 6.4    | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 1.8    | 0.80 | 0.17  | ppbv  |   | 5.3    | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.1    | 0.80 | 0.055 | ppbv  |   | 6.4    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.27   | 0.16 | 0.12  | ppbv  |   | 1.8    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 2.6    | 0.80 | 0.058 | ppbv  |   | 9.8    | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.65   | 0.80 | 0.14  | ppbv  | J | 2.8    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.65   | 0.80 | 0.068 | ppbv  | J | 2.8    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 98%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

|                          |                           |                |                        |          |
|--------------------------|---------------------------|----------------|------------------------|----------|
| <b>Client Sample ID:</b> | WIA-4                     |                |                        |          |
| <b>Lab Sample ID:</b>    | JD743-7                   |                | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A831 | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |                | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                |                        |          |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39949.D | 1  | 12/31/19 19:12 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 20.7   | 0.20 | 0.11   | ppbv  |   | 49.2   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.18   | 0.20 | 0.012  | ppbv  | J | 0.58   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.82   | 0.20 | 0.024  | ppbv  |   | 2.6    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.50   | 0.20 | 0.015  | ppbv  |   | 1.0    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.069  | 0.20 | 0.024  | ppbv  | J | 0.43   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 3.5    | 0.20 | 0.022  | ppbv  |   | 12     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | 0.15   | 0.20 | 0.021  | ppbv  | J | 0.61   | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.43   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | WIA-4                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-7                   |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A831 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 37.1   | 0.50  | 0.22  | ppbv  |   | 69.9   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.22   | 0.20  | 0.015 | ppbv  |   | 0.96   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 6.4    | 0.20  | 0.038 | ppbv  |   | 23     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.71   | 0.20  | 0.018 | ppbv  |   | 2.9    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.21   | 0.20  | 0.011 | ppbv  |   | 0.74   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.2    | 0.20  | 0.065 | ppbv  |   | 7.9    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.21   | 0.20  | 0.015 | ppbv  |   | 0.73   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.4    | 0.20  | 0.042 | ppbv  |   | 10     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.14   | 0.20  | 0.019 | ppbv  | J | 0.60   | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 0.13   | 0.20  | 0.033 | ppbv  | J | 0.64   | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.90   | 0.20  | 0.014 | ppbv  |   | 2.7    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.14   | 0.040 | 0.031 | ppbv  |   | 0.95   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.19   | 0.20  | 0.050 | ppbv  | J | 0.56   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 4.1    | 0.20  | 0.014 | ppbv  |   | 15     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.21   | 0.20  | 0.028 | ppbv  |   | 1.2    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.68   | 0.20  | 0.034 | ppbv  |   | 3.0    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.44   | 0.20  | 0.017 | ppbv  |   | 1.9    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 1.1    | 0.20  | 0.017 | ppbv  |   | 4.8    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 91%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

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|                          |                           |           |                      |                                |
|--------------------------|---------------------------|-----------|----------------------|--------------------------------|
| <b>Client Sample ID:</b> | WSS-4                     |           |                      |                                |
| <b>Lab Sample ID:</b>    | JD743-8                   |           | <b>Date Sampled:</b> | 12/18/19                       |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | M229                 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |           |                      |                                |

|        | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15513.D | 1.48 | 12/31/19 20:57 | TCH | n/a       | n/a        | V6W645           |
| Run #2 | 6W15535.D | 1.48 | 01/02/20 17:56 | TCH | n/a       | n/a        | V6W646           |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 148 ml         |
| Run #2 | 20.0 ml        |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result           | RL   | MDL   | Units | Q | Result           | RL  | MDL  | Units |
|------------|-------|----------------------------|------------------|------|-------|-------|---|------------------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 171 <sup>a</sup> | 5.9  | 3.3   | ppbv  |   | 406 <sup>a</sup> | 14  | 7.8  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND               | 0.80 | 0.18  | ppbv  |   | ND               | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.59             | 0.80 | 0.048 | ppbv  | J | 1.9              | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND               | 0.80 | 0.11  | ppbv  |   | ND               | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND               | 0.80 | 0.15  | ppbv  |   | ND               | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND               | 0.80 | 0.088 | ppbv  |   | ND               | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND               | 0.80 | 0.088 | ppbv  |   | ND               | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND               | 0.80 | 0.23  | ppbv  |   | ND               | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 9.3              | 0.80 | 0.094 | ppbv  |   | 29               | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | 1.4              | 0.80 | 0.10  | ppbv  |   | 6.4              | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND               | 0.80 | 0.19  | ppbv  |   | ND               | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND               | 0.80 | 0.080 | ppbv  |   | ND               | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | ND               | 0.80 | 0.061 | ppbv  |   | ND               | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND               | 0.80 | 0.16  | ppbv  |   | ND               | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND               | 0.80 | 0.10  | ppbv  |   | ND               | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND               | 0.80 | 0.094 | ppbv  |   | ND               | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.4              | 0.80 | 0.088 | ppbv  |   | 4.8              | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND               | 0.80 | 0.046 | ppbv  |   | ND               | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND               | 0.80 | 0.067 | ppbv  |   | ND               | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND               | 0.80 | 0.071 | ppbv  |   | ND               | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND               | 0.80 | 0.083 | ppbv  |   | ND               | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND               | 0.80 | 0.077 | ppbv  |   | ND               | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 0.62             | 0.80 | 0.21  | ppbv  | J | 2.2              | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND               | 0.80 | 0.066 | ppbv  |   | ND               | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND               | 0.80 | 0.13  | ppbv  |   | ND               | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND               | 0.80 | 0.029 | ppbv  |   | ND               | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND               | 0.80 | 0.047 | ppbv  |   | ND               | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND               | 0.80 | 0.078 | ppbv  |   | ND               | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND               | 0.80 | 0.076 | ppbv  |   | ND               | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | 7.9              | 0.80 | 0.087 | ppbv  |   | 47               | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | 0.64             | 0.80 | 0.070 | ppbv  | J | 3.8              | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND               | 0.80 | 0.078 | ppbv  |   | ND               | 3.6 | 0.35 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | WSS-4                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-8                   |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: M229 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 59.9   | 2.0  | 0.87  | ppbv  |   | 113    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.62   | 0.80 | 0.060 | ppbv  | J | 2.7    | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | 0.50   | 0.80 | 0.12  | ppbv  | J | 2.5    | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 0.96   | 0.80 | 0.15  | ppbv  |   | 3.9    | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 5.5    | 0.80 | 0.26  | ppbv  |   | 14     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 30.0   | 0.80 | 0.17  | ppbv  |   | 88.5   | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 1.0    | 0.80 | 0.14  | ppbv  |   | 4.1    | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 3.6    | 0.80 | 0.13  | ppbv  |   | 18     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | 1.8    | 0.80 | 0.13  | ppbv  |   | 8.8    | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 3.0    | 0.80 | 0.055 | ppbv  |   | 9.1    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 4.4    | 0.16 | 0.12  | ppbv  |   | 30     | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 1.8    | 0.80 | 0.058 | ppbv  |   | 6.8    | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 2.1    | 0.80 | 0.14  | ppbv  |   | 9.1    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.84   | 0.80 | 0.068 | ppbv  |   | 3.6    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 2.9    | 0.80 | 0.068 | ppbv  |   | 13     | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 106%   | 103%   | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

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|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | WSS-4                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-8                   |                | <b>Date Sampled:</b> 12/18/19  |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: M229 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |                |                                |

## VOA T015 List

| CAS No. | MW | Compound | Result | RL | MDL | Units | Q | Result | RL | MDL | Units |
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
RL = Reporting Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |                        |          |  |  |
|--------------------------|---------------------------|-----------|------|------------------------|----------|--|--|
| <b>Client Sample ID:</b> | WIA-5                     |           |      |                        |          |  |  |
| <b>Lab Sample ID:</b>    | JD743-9                   |           |      |                        |          |  |  |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A883 | <b>Date Sampled:</b>   | 12/18/19 |  |  |
| <b>Method:</b>           | TO-15                     |           |      | <b>Date Received:</b>  | 12/20/19 |  |  |
| <b>Project:</b>          | Stellae International, NY |           |      | <b>Percent Solids:</b> | n/a      |  |  |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39951.D | 1  | 12/31/19 20:57 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 5.5    | 0.20 | 0.11   | ppbv  |   | 13     | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.13   | 0.20 | 0.024  | ppbv  | J | 0.40   | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.45   | 0.20 | 0.015  | ppbv  |   | 0.93   | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.070  | 0.20 | 0.024  | ppbv  | J | 0.44   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 0.54   | 0.20 | 0.022  | ppbv  |   | 1.9    | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.43   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | WIA-5                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-9                   |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A883 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 9.0    | 0.50  | 0.22  | ppbv  |   | 17     | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 1.0    | 0.20  | 0.038 | ppbv  |   | 3.6    | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.12   | 0.20  | 0.018 | ppbv  | J | 0.49   | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 2.9    | 0.20  | 0.011 | ppbv  |   | 10     | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 0.70   | 0.20  | 0.065 | ppbv  |   | 1.7    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 8.8    | 0.20  | 0.015 | ppbv  |   | 31     | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 0.53   | 0.20  | 0.042 | ppbv  |   | 1.6    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.17   | 0.20  | 0.014 | ppbv  | J | 0.52   | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.57   | 0.20  | 0.014 | ppbv  |   | 2.1    | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.39   | 0.20  | 0.028 | ppbv  |   | 2.2    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.15   | 0.20  | 0.034 | ppbv  | J | 0.65   | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.15   | 0.20  | 0.017 | ppbv  | J | 0.65   | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 92%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |                        |          |  |
|--------------------------|---------------------------|-----------|------|--|------------------------|----------|--|
| <b>Client Sample ID:</b> | WSS-5                     |           |      |  |                        |          |  |
| <b>Lab Sample ID:</b>    | JD743-10                  |           |      |  |                        |          |  |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | A888 |  | <b>Date Sampled:</b>   | 12/18/19 |  |
| <b>Method:</b>           | TO-15                     |           |      |  | <b>Date Received:</b>  | 12/20/19 |  |
| <b>Project:</b>          | Stellae International, NY |           |      |  | <b>Percent Solids:</b> | n/a      |  |

| Run #  | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15514.D | 1.55 | 12/31/19 21:47 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |      |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 155 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 92.4   | 0.80 | 0.45  | ppbv  |   | 219    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 6.2    | 0.80 | 0.094 | ppbv  |   | 19     | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.67   | 0.80 | 0.061 | ppbv  | J | 1.4    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 2.8    | 0.80 | 0.088 | ppbv  |   | 9.6    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 0.39   | 0.80 | 0.21  | ppbv  | J | 1.4    | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** WSS-5  
**Lab Sample ID:** JD743-10  
**Matrix:** AIR - Soil Vapor Comp. Summa ID: A888  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19  
**Date Received:** 12/20/19  
**Percent Solids:** n/a

4.10  
4

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 67.6   | 2.0  | 0.87  | ppbv  |   | 127    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.41   | 0.80 | 0.15  | ppbv  | J | 1.5    | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.49   | 0.80 | 0.070 | ppbv  | J | 2.0    | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 6.2    | 0.80 | 0.26  | ppbv  |   | 15     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.8    | 0.80 | 0.17  | ppbv  |   | 11     | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 3.4    | 0.80 | 0.055 | ppbv  |   | 10     | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.32   | 0.16 | 0.12  | ppbv  |   | 2.2    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 2.8    | 0.80 | 0.058 | ppbv  |   | 11     | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.50   | 0.80 | 0.14  | ppbv  | J | 2.2    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.50   | 0.80 | 0.068 | ppbv  | J | 2.2    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 102%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                        |                        |          |
|--------------------------|----------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AMB-1                                  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-11                               | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: M107 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                  |                        |          |
| <b>Project:</b>          | Stellae International, NY              |                        |          |

| Run #  | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39952.D | 1.55 | 12/31/19 21:51 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |      |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 620 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 4.0    | 0.20 | 0.11   | ppbv  |   | 9.5    | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.12   | 0.20 | 0.012  | ppbv  | J | 0.38   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.61   | 0.20 | 0.015  | ppbv  |   | 1.3    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.066  | 0.20 | 0.024  | ppbv  | J | 0.42   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.40   | 0.20 | 0.017  | ppbv  |   | 2.0    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                        |                        |          |
|--------------------------|----------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AMB-1                                  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-11                               | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: M107 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                  |                        |          |
| <b>Project:</b>          | Stellae International, NY              |                        |          |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 4.1    | 0.50  | 0.22  | ppbv  |   | 7.7    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.31   | 0.20  | 0.038 | ppbv  |   | 1.1    | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 2.9    | 0.20  | 0.065 | ppbv  |   | 7.1    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.20   | 0.20  | 0.015 | ppbv  |   | 0.69   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 0.48   | 0.20  | 0.042 | ppbv  |   | 1.4    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 0.79   | 0.20  | 0.036 | ppbv  |   | 3.2    | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.16   | 0.20  | 0.014 | ppbv  | J | 0.49   | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.043  | 0.040 | 0.031 | ppbv  |   | 0.29   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 2.2    | 0.20  | 0.014 | ppbv  |   | 8.3    | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.19   | 0.20  | 0.028 | ppbv  | J | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.12   | 0.20  | 0.034 | ppbv  | J | 0.52   | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.12   | 0.20  | 0.017 | ppbv  | J | 0.52   | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 91%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                        |                        |          |
|--------------------------|----------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AMB-2                                  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-12                               | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: A845 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                  |                        |          |
| <b>Project:</b>          | Stellae International, NY              |                        |          |

| Run #  | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39953.D | 1.55 | 12/31/19 22:45 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |      |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 620 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 2.8    | 0.20 | 0.11   | ppbv  |   | 6.7    | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.12   | 0.20 | 0.012  | ppbv  | J | 0.38   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.46   | 0.20 | 0.015  | ppbv  |   | 0.95   | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.41   | 0.20 | 0.017  | ppbv  |   | 2.0    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                        |                        |          |
|--------------------------|----------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AMB-2                                  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-12                               | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Ambient Air Comp. Summa ID: A845 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                  |                        |          |
| <b>Project:</b>          | Stellae International, NY              |                        |          |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 4.4    | 0.50  | 0.22  | ppbv  |   | 8.3    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.14   | 0.20  | 0.038 | ppbv  | J | 0.50   | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 1.7    | 0.20  | 0.065 | ppbv  |   | 4.2    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 0.20   | 0.20  | 0.042 | ppbv  |   | 0.59   | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 0.20   | 0.20  | 0.036 | ppbv  |   | 0.82   | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.89   | 0.20  | 0.014 | ppbv  |   | 3.4    | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 88%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-1                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-13                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A324 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

|        | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39954.D | 1.52 | 12/31/19 23:40 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 | 5W39971.D | 1.52 | 01/02/20 14:15 | DFT | n/a       | n/a        | V5W1626          |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 608 ml         |
| Run #2 | 100 ml         |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result            | RL   | MDL    | Units | Q | Result            | RL   | MDL   | Units |
|------------|-------|----------------------------|-------------------|------|--------|-------|---|-------------------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 41.2 <sup>a</sup> | 1.2  | 0.68   | ppbv  |   | 97.9 <sup>a</sup> | 2.9  | 1.6   | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND                | 0.20 | 0.046  | ppbv  |   | ND                | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.14              | 0.20 | 0.012  | ppbv  | J | 0.45              | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND                | 0.20 | 0.027  | ppbv  |   | ND                | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND                | 0.20 | 0.037  | ppbv  |   | ND                | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND                | 0.20 | 0.022  | ppbv  |   | ND                | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND                | 0.20 | 0.022  | ppbv  |   | ND                | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND                | 0.20 | 0.057  | ppbv  |   | ND                | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.35              | 0.20 | 0.024  | ppbv  |   | 1.1               | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND                | 0.20 | 0.026  | ppbv  |   | ND                | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND                | 0.20 | 0.048  | ppbv  |   | ND                | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND                | 0.20 | 0.020  | ppbv  |   | ND                | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.51              | 0.20 | 0.015  | ppbv  |   | 1.1               | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND                | 0.20 | 0.040  | ppbv  |   | ND                | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND                | 0.20 | 0.025  | ppbv  |   | ND                | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.067             | 0.20 | 0.024  | ppbv  | J | 0.42              | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 13.3              | 0.20 | 0.022  | ppbv  |   | 45.8              | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND                | 0.20 | 0.012  | ppbv  |   | ND                | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND                | 0.20 | 0.017  | ppbv  |   | ND                | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND                | 0.20 | 0.018  | ppbv  |   | ND                | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND                | 0.20 | 0.021  | ppbv  |   | ND                | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND                | 0.20 | 0.019  | ppbv  |   | ND                | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND                | 0.20 | 0.052  | ppbv  |   | ND                | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.45              | 0.20 | 0.017  | ppbv  |   | 2.2               | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND                | 0.20 | 0.033  | ppbv  |   | ND                | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND                | 0.20 | 0.0073 | ppbv  |   | ND                | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND                | 0.20 | 0.012  | ppbv  |   | ND                | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND                | 0.20 | 0.020  | ppbv  |   | ND                | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND                | 0.20 | 0.019  | ppbv  |   | ND                | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND                | 0.20 | 0.022  | ppbv  |   | ND                | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND                | 0.20 | 0.018  | ppbv  |   | ND                | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND                | 0.20 | 0.020  | ppbv  |   | ND                | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-1                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-13                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A324 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result            | RL    | MDL   | Units | Q | Result           | RL   | MDL   | Units |
|-----------|--------|---------------------------|-------------------|-------|-------|-------|---|------------------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 72.9 <sup>a</sup> | 3.0   | 1.3   | ppbv  |   | 137 <sup>a</sup> | 5.7  | 2.4   | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 1.0               | 0.20  | 0.015 | ppbv  |   | 4.3              | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 29.5              | 0.20  | 0.038 | ppbv  |   | 106              | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND                | 0.20  | 0.030 | ppbv  |   | ND               | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND                | 0.20  | 0.017 | ppbv  |   | ND               | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND                | 0.20  | 0.019 | ppbv  |   | ND               | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 1.0               | 0.20  | 0.018 | ppbv  |   | 4.1              | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND                | 0.20  | 0.046 | ppbv  |   | ND               | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.22              | 0.20  | 0.011 | ppbv  |   | 0.78             | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND                | 0.20  | 0.036 | ppbv  |   | ND               | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 4.7               | 0.20  | 0.065 | ppbv  |   | 12               | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.22              | 0.20  | 0.015 | ppbv  |   | 0.76             | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 6.5               | 0.20  | 0.042 | ppbv  |   | 19               | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND                | 0.20  | 0.036 | ppbv  |   | ND               | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | 0.46              | 0.20  | 0.019 | ppbv  |   | 1.7              | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND                | 0.20  | 0.033 | ppbv  |   | ND               | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND                | 0.50  | 0.016 | ppbv  |   | ND               | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.20              | 0.20  | 0.019 | ppbv  |   | 0.85             | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND                | 0.20  | 0.033 | ppbv  |   | ND               | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND                | 0.20  | 0.027 | ppbv  |   | ND               | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND                | 0.20  | 0.030 | ppbv  |   | ND               | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND                | 0.20  | 0.089 | ppbv  |   | ND               | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND                | 0.20  | 0.033 | ppbv  |   | ND               | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND                | 0.20  | 0.034 | ppbv  |   | ND               | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.25              | 0.20  | 0.022 | ppbv  |   | 1.2              | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 11.8              | 0.20  | 0.014 | ppbv  |   | 35.8             | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.15              | 0.040 | 0.031 | ppbv  |   | 1.0              | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.21              | 0.20  | 0.050 | ppbv  |   | 0.62             | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 17.9              | 0.20  | 0.014 | ppbv  |   | 67.5             | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND                | 0.040 | 0.019 | ppbv  |   | ND               | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20              | 0.20  | 0.028 | ppbv  |   | 1.1              | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND                | 0.20  | 0.022 | ppbv  |   | ND               | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND                | 0.20  | 0.034 | ppbv  |   | ND               | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 2.9               | 0.20  | 0.034 | ppbv  |   | 13               | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 1.6               | 0.20  | 0.017 | ppbv  |   | 6.9              | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 4.5               | 0.20  | 0.017 | ppbv  |   | 20               | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 92%    | 92%    | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-1                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-13                  |                | <b>Date Sampled:</b> 12/18/19  |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A324 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |                |                                |

## VOA T015 List

| CAS No. | MW | Compound | Result | RL | MDL | Units | Q | Result | RL | MDL | Units |
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
RL = Reporting Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |                        |          |  |
|--------------------------|---------------------------|-----------|------|--|------------------------|----------|--|
| <b>Client Sample ID:</b> | SS-1                      |           |      |  |                        |          |  |
| <b>Lab Sample ID:</b>    | JD743-14                  |           |      |  |                        |          |  |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | A442 |  | <b>Date Sampled:</b>   | 12/18/19 |  |
| <b>Method:</b>           | TO-15                     |           |      |  | <b>Date Received:</b>  | 12/20/19 |  |
| <b>Project:</b>          | Stellae International, NY |           |      |  | <b>Percent Solids:</b> | n/a      |  |

|                     | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|---------------------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1              | 6W15515.D | 1  | 12/31/19 22:36 | TCH | n/a       | n/a        | V6W645           |
| Run #2 <sup>a</sup> | 6W15536.D | 1  | 01/02/20 18:44 | TCH | n/a       | n/a        | V6W646           |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 | 100 ml         |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 23.3   | 0.80 | 0.45  | ppbv  |   | 55.3   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | ND     | 0.80 | 0.061 | ppbv  |   | ND     | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.4    | 0.80 | 0.088 | ppbv  |   | 4.8    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-1                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-14                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A442 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 19.9   | 2.0  | 0.87  | ppbv  |   | 37.5   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 6.3    | 0.80 | 0.060 | ppbv  |   | 27     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 2.8    | 0.80 | 0.15  | ppbv  |   | 10     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | 0.40   | 0.80 | 0.12  | ppbv  | J | 2.0    | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 1.7    | 0.80 | 0.042 | ppbv  |   | 6.0    | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 35.8   | 0.80 | 0.15  | ppbv  |   | 146    | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 1.8    | 0.80 | 0.26  | ppbv  |   | 4.4    | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 4.1    | 0.80 | 0.17  | ppbv  |   | 12     | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 2.3    | 0.80 | 0.14  | ppbv  |   | 9.4    | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 4.5    | 0.80 | 0.13  | ppbv  |   | 22     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | 1.8    | 0.80 | 0.13  | ppbv  |   | 8.8    | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 3.7    | 0.80 | 0.055 | ppbv  |   | 11     | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 22.0   | 0.16 | 0.12  | ppbv  |   | 149    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 6.9    | 0.80 | 0.058 | ppbv  |   | 26     | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 0.54   | 0.16 | 0.076 | ppbv  |   | 2.9    | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 27.3   | 0.80 | 0.14  | ppbv  |   | 119    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 17.1   | 0.80 | 0.068 | ppbv  |   | 74.3   | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 44.4   | 0.80 | 0.068 | ppbv  |   | 193    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1            | Run# 2            | Limits  |
|----------|----------------------|-------------------|-------------------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 134% <sup>b</sup> | 129% <sup>b</sup> | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-1                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-14                  |                | <b>Date Sampled:</b> 12/18/19  |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A442 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |                | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |                |                                |

## VOA T015 List

| CAS No. | MW | Compound | Result | RL | MDL | Units | Q | Result | RL | MDL | Units |
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|

(a) Confirmation run.

(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |  |                        |          |
|--------------------------|---------------------------|-----------|------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | IA-2                      |           |      |  |  |                        |          |
| <b>Lab Sample ID:</b>    | JD743-15                  |           |      |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A262 |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |      |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |      |  |  |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39955.D | 1  | 01/01/20 00:32 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 30.5   | 0.20 | 0.11   | ppbv  |   | 72.5   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.54   | 0.20 | 0.024  | ppbv  |   | 1.7    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.60   | 0.20 | 0.015  | ppbv  |   | 1.2    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.043  | 0.20 | 0.024  | ppbv  | J | 0.27   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 18.6   | 0.20 | 0.022  | ppbv  |   | 64.0   | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.43   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | 0.27   | 0.20 | 0.012  | ppbv  |   | 1.1    | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-2                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-15                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A262 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 56.2   | 0.50  | 0.22  | ppbv  | E | 106    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 4.7    | 0.20  | 0.038 | ppbv  |   | 17     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 5.4    | 0.20  | 0.065 | ppbv  |   | 13     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.27   | 0.20  | 0.015 | ppbv  |   | 0.94   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 4.3    | 0.20  | 0.042 | ppbv  |   | 13     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.38   | 0.20  | 0.014 | ppbv  |   | 1.2    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.077  | 0.040 | 0.031 | ppbv  |   | 0.52   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.95   | 0.20  | 0.050 | ppbv  |   | 2.8    | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.56   | 0.20  | 0.014 | ppbv  |   | 2.1    | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 0.066  | 0.040 | 0.019 | ppbv  |   | 0.35   | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 86%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |  |                        |          |
|--------------------------|---------------------------|-----------|------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | SS-2                      |           |      |  |  |                        |          |
| <b>Lab Sample ID:</b>    | JD743-16                  |           |      |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | A642 |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |      |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |      |  |  |                        |          |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15516.D | 1  | 12/31/19 23:24 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 30.1   | 0.80 | 0.45  | ppbv  |   | 71.5   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 1.9    | 0.80 | 0.094 | ppbv  |   | 5.9    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | ND     | 0.80 | 0.061 | ppbv  |   | ND     | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 3.7    | 0.80 | 0.088 | ppbv  |   | 13     | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-2                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-16                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A642 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 21.6   | 2.0  | 0.87  | ppbv  |   | 40.7   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 39.3   | 0.80 | 0.060 | ppbv  |   | 171    | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.59   | 0.80 | 0.15  | ppbv  | J | 2.1    | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.82   | 0.80 | 0.042 | ppbv  |   | 2.9    | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 0.38   | 0.80 | 0.15  | ppbv  | J | 1.6    | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.5    | 0.80 | 0.26  | ppbv  |   | 8.6    | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 2.8    | 0.80 | 0.058 | ppbv  |   | 9.7    | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.1    | 0.80 | 0.17  | ppbv  |   | 9.1    | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 0.90   | 0.80 | 0.14  | ppbv  |   | 3.7    | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | 1.6    | 2.0  | 0.064 | ppbv  | J | 2.7    | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 4.1    | 0.80 | 0.055 | ppbv  |   | 12     | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 1.1    | 0.16 | 0.12  | ppbv  |   | 7.5    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 10.5   | 0.80 | 0.058 | ppbv  |   | 39.6   | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 195    | 0.80 | 0.14  | ppbv  |   | 847    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 84.7   | 0.80 | 0.068 | ppbv  |   | 368    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 280    | 0.80 | 0.068 | ppbv  |   | 1220   | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 115%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

|                          |                           |           |      |                        |          |
|--------------------------|---------------------------|-----------|------|------------------------|----------|
| <b>Client Sample ID:</b> | IA-3                      |           |      |                        |          |
| <b>Lab Sample ID:</b>    | JD743-17                  |           |      | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A302 | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |      | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |      |                        |          |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39956.D | 1  | 01/01/20 01:25 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 28.9   | 0.20 | 0.11   | ppbv  |   | 68.7   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.24   | 0.20 | 0.024  | ppbv  |   | 0.75   | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.54   | 0.20 | 0.015  | ppbv  |   | 1.1    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.069  | 0.20 | 0.024  | ppbv  | J | 0.43   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 6.0    | 0.20 | 0.022  | ppbv  |   | 21     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.45   | 0.20 | 0.017  | ppbv  |   | 2.2    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | 0.34   | 0.20 | 0.012  | ppbv  |   | 1.3    | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-3                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-17                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A302 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 66.8   | 0.50  | 0.22  | ppbv  | E | 126    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.40   | 0.20  | 0.015 | ppbv  |   | 1.7    | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.0    | 0.20  | 0.038 | ppbv  |   | 18     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.49   | 0.20  | 0.018 | ppbv  |   | 2.0    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.14   | 0.20  | 0.011 | ppbv  | J | 0.49   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 7.7    | 0.20  | 0.065 | ppbv  |   | 19     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.20   | 0.20  | 0.015 | ppbv  |   | 0.69   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.8    | 0.20  | 0.042 | ppbv  |   | 11     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 0.10   | 0.20  | 0.033 | ppbv  | J | 0.49   | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.8    | 0.20  | 0.014 | ppbv  |   | 8.5    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.18   | 0.040 | 0.031 | ppbv  |   | 1.2    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.30   | 0.20  | 0.050 | ppbv  |   | 0.88   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 11.6   | 0.20  | 0.014 | ppbv  |   | 43.7   | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 0.049  | 0.040 | 0.019 | ppbv  |   | 0.26   | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | 0.12   | 0.20  | 0.022 | ppbv  | J | 0.31   | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 1.2    | 0.20  | 0.034 | ppbv  |   | 5.2    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.58   | 0.20  | 0.017 | ppbv  |   | 2.5    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 1.8    | 0.20  | 0.017 | ppbv  |   | 7.8    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 90%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |  |                        |          |
|--------------------------|---------------------------|-----------|------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | SS-3                      |           |      |  |  |                        |          |
| <b>Lab Sample ID:</b>    | JD743-18                  |           |      |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | M403 |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |      |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |      |  |  |                        |          |

|        | File ID   | DF  | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|-----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15517.D | 2.1 | 01/01/20 00:14 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |     |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 210 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 56.6   | 0.80 | 0.45  | ppbv  |   | 134    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 1.6    | 0.80 | 0.094 | ppbv  |   | 5.0    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.63   | 0.80 | 0.061 | ppbv  | J | 1.3    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 4.0    | 0.80 | 0.088 | ppbv  |   | 14     | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 0.99   | 0.80 | 0.21  | ppbv  |   | 3.6    | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-3                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-18                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: M403 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 62.0   | 2.0  | 0.87  | ppbv  |   | 117    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 10.6   | 0.80 | 0.060 | ppbv  |   | 46.0   | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 3.8    | 0.80 | 0.15  | ppbv  |   | 14     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.41   | 0.80 | 0.070 | ppbv  | J | 1.7    | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 0.54   | 0.80 | 0.15  | ppbv  | J | 2.2    | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 7.1    | 0.80 | 0.26  | ppbv  |   | 17     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 8.2    | 0.80 | 0.17  | ppbv  |   | 24     | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 1.7    | 0.80 | 0.14  | ppbv  |   | 7.0    | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 4.6    | 0.80 | 0.055 | ppbv  |   | 14     | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 9.7    | 0.16 | 0.12  | ppbv  |   | 66     | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 8.9    | 0.80 | 0.058 | ppbv  |   | 34     | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 0.60   | 0.16 | 0.076 | ppbv  |   | 3.2    | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 47.4   | 0.80 | 0.14  | ppbv  |   | 206    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 23.1   | 0.80 | 0.068 | ppbv  |   | 100    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 70.5   | 0.80 | 0.068 | ppbv  |   | 306    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 110%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |       |                        |          |  |  |
|--------------------------|---------------------------|-----------|-------|------------------------|----------|--|--|
| <b>Client Sample ID:</b> | IA-4                      |           |       |                        |          |  |  |
| <b>Lab Sample ID:</b>    | JD743-19                  |           |       |                        |          |  |  |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A1081 | <b>Date Sampled:</b>   | 12/18/19 |  |  |
| <b>Method:</b>           | TO-15                     |           |       | <b>Date Received:</b>  | 12/20/19 |  |  |
| <b>Project:</b>          | Stellae International, NY |           |       | <b>Percent Solids:</b> | n/a      |  |  |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39957.D | 1  | 01/01/20 02:15 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 12.4   | 0.20 | 0.11   | ppbv  |   | 29.5   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.14   | 0.20 | 0.012  | ppbv  | J | 0.45   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.15   | 0.20 | 0.024  | ppbv  | J | 0.47   | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.48   | 0.20 | 0.015  | ppbv  |   | 0.99   | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.068  | 0.20 | 0.024  | ppbv  | J | 0.43   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 2.6    | 0.20 | 0.022  | ppbv  |   | 8.9    | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.45   | 0.20 | 0.017  | ppbv  |   | 2.2    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-4                      |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-19                  |                 |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A1081 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                 | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                 | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 78.7   | 0.50  | 0.22  | ppbv  | E | 148    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.19   | 0.20  | 0.015 | ppbv  | J | 0.83   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 6.5    | 0.20  | 0.038 | ppbv  |   | 23     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.26   | 0.20  | 0.018 | ppbv  |   | 1.1    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.74   | 0.20  | 0.011 | ppbv  |   | 2.6    | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 4.3    | 0.20  | 0.065 | ppbv  |   | 11     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 3.4    | 0.20  | 0.015 | ppbv  |   | 12     | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 1.8    | 0.20  | 0.042 | ppbv  |   | 5.3    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 1.4    | 0.20  | 0.014 | ppbv  |   | 4.2    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.075  | 0.040 | 0.031 | ppbv  |   | 0.51   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.35   | 0.20  | 0.050 | ppbv  |   | 1.0    | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 3.7    | 0.20  | 0.014 | ppbv  |   | 14     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.25   | 0.20  | 0.028 | ppbv  |   | 1.4    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.60   | 0.20  | 0.034 | ppbv  |   | 2.6    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.32   | 0.20  | 0.017 | ppbv  |   | 1.4    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.93   | 0.20  | 0.017 | ppbv  |   | 4.0    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 91%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-4                      |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-20                  |                 | <b>Date Sampled:</b> 12/18/19  |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A1088 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |                 | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |                 |                                |

|                     | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|---------------------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1              | 6W15518.D | 1  | 01/01/20 01:03 | TCH | n/a       | n/a        | V6W645           |
| Run #2 <sup>a</sup> | 6W15537.D | 1  | 01/02/20 19:33 | TCH | n/a       | n/a        | V6W646           |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 | 100 ml         |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 45.5   | 0.80 | 0.45  | ppbv  |   | 108    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 1.2    | 0.80 | 0.094 | ppbv  |   | 3.7    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | ND     | 0.80 | 0.061 | ppbv  |   | ND     | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-4                      |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-20                  |                 |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A1088 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                 | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                 | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 15.2   | 2.0  | 0.87  | ppbv  |   | 28.6   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 17.1   | 0.80 | 0.060 | ppbv  |   | 74.3   | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | 1.7    | 0.80 | 0.12  | ppbv  |   | 8.4    | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 3.0    | 0.80 | 0.042 | ppbv  |   | 11     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 33.3   | 0.80 | 0.15  | ppbv  |   | 136    | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.0    | 0.80 | 0.26  | ppbv  |   | 7.4    | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.95   | 0.80 | 0.058 | ppbv  |   | 3.3    | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 9.6    | 0.80 | 0.17  | ppbv  |   | 28     | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.50   | 0.80 | 0.076 | ppbv  | J | 2.1    | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 6.5    | 0.80 | 0.13  | ppbv  |   | 32     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | 2.6    | 0.80 | 0.13  | ppbv  |   | 13     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 5.4    | 0.80 | 0.055 | ppbv  |   | 16     | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 111    | 0.16 | 0.12  | ppbv  |   | 753    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.80   | 0.80 | 0.058 | ppbv  |   | 3.0    | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 0.74   | 0.16 | 0.076 | ppbv  |   | 4.0    | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 57.8   | 0.80 | 0.14  | ppbv  |   | 251    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 27.8   | 0.80 | 0.068 | ppbv  |   | 121    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 85.6   | 0.80 | 0.068 | ppbv  |   | 372    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1            | Run# 2            | Limits  |
|----------|----------------------|-------------------|-------------------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 145% <sup>b</sup> | 140% <sup>b</sup> | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-4                      |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-20                  |                 | <b>Date Sampled:</b> 12/18/19  |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A1088 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |                 | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |                 |                                |

## VOA T015 List

| CAS No. | MW | Compound | Result | RL | MDL | Units | Q | Result | RL | MDL | Units |
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|
|---------|----|----------|--------|----|-----|-------|---|--------|----|-----|-------|

(a) Confirmation run.

(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |  |                        |          |
|--------------------------|---------------------------|-----------|------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | IA-5                      |           |      |  |  |                        |          |
| <b>Lab Sample ID:</b>    | JD743-21                  |           |      |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A226 |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |      |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |      |  |  |                        |          |

|        | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39958.D | 1.48 | 01/01/20 03:09 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |      |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 592 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 35.3   | 0.20 | 0.11   | ppbv  |   | 83.9   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.38   | 0.20 | 0.024  | ppbv  |   | 1.2    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.50   | 0.20 | 0.015  | ppbv  |   | 1.0    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.071  | 0.20 | 0.024  | ppbv  | J | 0.45   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 12.0   | 0.20 | 0.022  | ppbv  |   | 41.3   | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.46   | 0.20 | 0.017  | ppbv  |   | 2.3    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-5                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-21                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A226 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 102    | 0.50  | 0.22  | ppbv  | E | 192    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.99   | 0.20  | 0.015 | ppbv  |   | 4.3    | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 29.1   | 0.20  | 0.038 | ppbv  |   | 105    | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.92   | 0.20  | 0.018 | ppbv  |   | 3.8    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.22   | 0.20  | 0.011 | ppbv  |   | 0.78   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 6.6    | 0.20  | 0.065 | ppbv  |   | 16     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 6.3    | 0.20  | 0.042 | ppbv  |   | 19     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | 0.32   | 0.20  | 0.019 | ppbv  |   | 1.2    | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.32   | 0.20  | 0.019 | ppbv  |   | 1.4    | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.19   | 0.20  | 0.022 | ppbv  | J | 0.89   | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 8.8    | 0.20  | 0.014 | ppbv  |   | 27     | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.14   | 0.040 | 0.031 | ppbv  |   | 0.95   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.59   | 0.20  | 0.050 | ppbv  |   | 1.7    | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 17.9   | 0.20  | 0.014 | ppbv  |   | 67.5   | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 2.9    | 0.20  | 0.034 | ppbv  |   | 13     | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 1.5    | 0.20  | 0.017 | ppbv  |   | 6.5    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 4.4    | 0.20  | 0.017 | ppbv  |   | 19     | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 95%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                       |                        |          |
|--------------------------|---------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | SS-5                                  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-22                              | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp. Summa ID: M105 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                 |                        |          |
| <b>Project:</b>          | Stellae International, NY             |                        |          |

| Run #  | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15519.D | 1.55 | 01/01/20 01:53 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |      |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 155 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 57.2   | 0.80 | 0.45  | ppbv  |   | 136    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.85   | 0.80 | 0.094 | ppbv  |   | 2.6    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.55   | 0.80 | 0.061 | ppbv  | J | 1.1    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 6.4    | 0.80 | 0.088 | ppbv  |   | 22     | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-5                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-22                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: M105 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 114    | 2.0  | 0.87  | ppbv  |   | 215    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 38.3   | 0.80 | 0.060 | ppbv  |   | 166    | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 13.1   | 0.80 | 0.15  | ppbv  |   | 47.1   | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 1.2    | 0.80 | 0.070 | ppbv  |   | 4.9    | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.65   | 0.80 | 0.042 | ppbv  | J | 2.3    | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | 95.4   | 0.80 | 0.15  | ppbv  |   | 390    | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 5.3    | 0.80 | 0.26  | ppbv  |   | 13     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 10.1   | 0.80 | 0.17  | ppbv  |   | 29.8   | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.43   | 0.80 | 0.076 | ppbv  | J | 1.8    | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | 3.6    | 0.80 | 0.13  | ppbv  |   | 18     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | 1.4    | 0.80 | 0.13  | ppbv  |   | 6.9    | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 9.2    | 0.80 | 0.055 | ppbv  |   | 28     | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 41.1   | 0.16 | 0.12  | ppbv  |   | 279    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.41   | 0.80 | 0.20  | ppbv  | J | 1.2    | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 17.5   | 0.80 | 0.058 | ppbv  |   | 65.9   | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 172    | 0.80 | 0.14  | ppbv  |   | 747    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 66.2   | 0.80 | 0.068 | ppbv  |   | 288    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 238    | 0.80 | 0.068 | ppbv  |   | 1030   | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 124%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

|                          |                           |           |                        |                                |
|--------------------------|---------------------------|-----------|------------------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-6                      |           |                        |                                |
| <b>Lab Sample ID:</b>    | JD743-23                  |           | <b>Date Sampled:</b>   | 12/18/19                       |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A345                   | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |           | <b>Percent Solids:</b> | n/a                            |
| <b>Project:</b>          | Stellae International, NY |           |                        |                                |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39959.D | 1  | 01/01/20 04:01 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 21.5   | 0.20 | 0.11   | ppbv  |   | 51.1   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.14   | 0.20 | 0.012  | ppbv  | J | 0.45   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.28   | 0.20 | 0.024  | ppbv  |   | 0.87   | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.50   | 0.20 | 0.015  | ppbv  |   | 1.0    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.070  | 0.20 | 0.024  | ppbv  | J | 0.44   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 6.1    | 0.20 | 0.022  | ppbv  |   | 21     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.43   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | IA-6                      |                |                                |
| <b>Lab Sample ID:</b>    | JD743-23                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A345 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 63.5   | 0.50  | 0.22  | ppbv  | E | 120    | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.38   | 0.20  | 0.015 | ppbv  |   | 1.7    | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 12.3   | 0.20  | 0.038 | ppbv  |   | 44.3   | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.54   | 0.20  | 0.018 | ppbv  |   | 2.2    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.36   | 0.20  | 0.011 | ppbv  |   | 1.3    | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 6.7    | 0.20  | 0.065 | ppbv  |   | 16     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 1.4    | 0.20  | 0.015 | ppbv  |   | 4.9    | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.4    | 0.20  | 0.042 | ppbv  |   | 10     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | 0.12   | 0.20  | 0.019 | ppbv  | J | 0.51   | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 3.4    | 0.20  | 0.014 | ppbv  |   | 10     | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.16   | 0.040 | 0.031 | ppbv  |   | 1.1    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.19   | 0.20  | 0.050 | ppbv  | J | 0.56   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 11.8   | 0.20  | 0.014 | ppbv  |   | 44.5   | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.22   | 0.20  | 0.028 | ppbv  |   | 1.2    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 1.1    | 0.20  | 0.034 | ppbv  |   | 4.8    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.59   | 0.20  | 0.017 | ppbv  |   | 2.6    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 1.7    | 0.20  | 0.017 | ppbv  |   | 7.4    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 92%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

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|                          |                           |           |       |                        |          |
|--------------------------|---------------------------|-----------|-------|------------------------|----------|
| <b>Client Sample ID:</b> | SS-6                      |           |       |                        |          |
| <b>Lab Sample ID:</b>    | JD743-24                  |           |       | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: | A1205 | <b>Date Received:</b>  | 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |       | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |           |       |                        |          |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15520.D | 1  | 01/01/20 02:41 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 14.0   | 0.80 | 0.45  | ppbv  |   | 33.3   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.51   | 0.80 | 0.061 | ppbv  | J | 1.1    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 4.8    | 0.80 | 0.088 | ppbv  |   | 17     | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | SS-6                      |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-24                  |                 |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A1205 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                 | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                 | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 65.8   | 2.0  | 0.87  | ppbv  |   | 124    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 3.7    | 0.80 | 0.060 | ppbv  |   | 16     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.8    | 0.80 | 0.15  | ppbv  |   | 21     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.47   | 0.80 | 0.070 | ppbv  | J | 1.9    | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.72   | 0.80 | 0.042 | ppbv  | J | 2.5    | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 5.2    | 0.80 | 0.26  | ppbv  |   | 13     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 2.7    | 0.80 | 0.058 | ppbv  |   | 9.4    | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 2.2    | 0.80 | 0.17  | ppbv  |   | 6.5    | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.1    | 0.80 | 0.055 | ppbv  |   | 6.4    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.21   | 0.16 | 0.12  | ppbv  |   | 1.4    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 12.8   | 0.80 | 0.058 | ppbv  |   | 48.2   | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 15.9   | 0.80 | 0.14  | ppbv  |   | 69.1   | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 5.5    | 0.80 | 0.068 | ppbv  |   | 24     | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 21.4   | 0.80 | 0.068 | ppbv  |   | 93.0   | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 102%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

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|                          |                           |           |                      |                                |
|--------------------------|---------------------------|-----------|----------------------|--------------------------------|
| <b>Client Sample ID:</b> | EIA-1                     |           |                      |                                |
| <b>Lab Sample ID:</b>    | JD743-25                  |           | <b>Date Sampled:</b> | 12/18/19                       |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | M207                 | <b>Date Received:</b> 12/20/19 |
| <b>Method:</b>           | TO-15                     |           |                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b>          | Stellae International, NY |           |                      |                                |

|        | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39960.D | 1  | 01/01/20 04:53 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

|        | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA T015 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 13.9   | 0.20 | 0.11   | ppbv  |   | 33.0   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.16   | 0.20 | 0.012  | ppbv  | J | 0.51   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.78   | 0.20 | 0.024  | ppbv  |   | 2.4    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.51   | 0.20 | 0.015  | ppbv  |   | 1.1    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.085  | 0.20 | 0.024  | ppbv  | J | 0.53   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 2.7    | 0.20 | 0.022  | ppbv  |   | 9.3    | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.44   | 0.20 | 0.017  | ppbv  |   | 2.2    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | EIA-1                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-25                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: M207 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 48.6   | 0.50  | 0.22  | ppbv  | E | 91.6   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.19   | 0.20  | 0.015 | ppbv  | J | 0.83   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.4    | 0.20  | 0.038 | ppbv  |   | 19     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.25   | 0.20  | 0.018 | ppbv  |   | 1.0    | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.14   | 0.20  | 0.011 | ppbv  | J | 0.49   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.5    | 0.20  | 0.065 | ppbv  |   | 8.6    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.27   | 0.20  | 0.015 | ppbv  |   | 0.94   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 5.1    | 0.20  | 0.042 | ppbv  |   | 15     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.10   | 0.20  | 0.022 | ppbv  | J | 0.47   | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 1.2    | 0.20  | 0.014 | ppbv  |   | 3.6    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.29   | 0.040 | 0.031 | ppbv  |   | 2.0    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.15   | 0.20  | 0.050 | ppbv  | J | 0.44   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 9.1    | 0.20  | 0.014 | ppbv  |   | 34     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | 0.042  | 0.040 | 0.019 | ppbv  |   | 0.23   | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.22   | 0.20  | 0.028 | ppbv  |   | 1.2    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.54   | 0.20  | 0.034 | ppbv  |   | 2.3    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.34   | 0.20  | 0.017 | ppbv  |   | 1.5    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.88   | 0.20  | 0.017 | ppbv  |   | 3.8    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 89%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | ESS-1                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-26                  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | <b>Summa ID:</b>       | A248     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15522.D | 1  | 01/01/20 04:18 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 17.4   | 0.80 | 0.45  | ppbv  |   | 41.3   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 2.1    | 0.80 | 0.094 | ppbv  |   | 6.5    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.52   | 0.80 | 0.061 | ppbv  | J | 1.1    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 0.92   | 0.80 | 0.088 | ppbv  |   | 3.2    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.80 | 0.21  | ppbv  |   | ND     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | ESS-1                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-26                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: A248 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 31.8   | 2.0  | 0.87  | ppbv  |   | 59.9   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.93   | 0.80 | 0.15  | ppbv  |   | 3.3    | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 2.2    | 0.80 | 0.26  | ppbv  |   | 5.4    | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 1.5    | 0.80 | 0.058 | ppbv  |   | 5.2    | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 2.5    | 0.80 | 0.17  | ppbv  |   | 7.4    | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 1.7    | 0.80 | 0.055 | ppbv  |   | 5.2    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | ND     | 0.16 | 0.12  | ppbv  |   | ND     | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 3.9    | 0.80 | 0.058 | ppbv  |   | 15     | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 99%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | EIA-2                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-27                  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | <b>Summa ID:</b>       | A363     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39961.D | 1  | 01/01/20 05:44 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 11.8   | 0.20 | 0.11   | ppbv  |   | 28.0   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.49   | 0.20 | 0.024  | ppbv  |   | 1.5    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.55   | 0.20 | 0.015  | ppbv  |   | 1.1    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.4    | 0.20 | 0.022  | ppbv  |   | 4.8    | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.43   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | EIA-2                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-27                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A363 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 32.3   | 0.50  | 0.22  | ppbv  |   | 60.9   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.80   | 0.20  | 0.038 | ppbv  |   | 2.9    | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.83   | 0.20  | 0.011 | ppbv  |   | 2.9    | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 1.5    | 0.20  | 0.065 | ppbv  |   | 3.7    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 4.1    | 0.20  | 0.015 | ppbv  |   | 14     | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 0.82   | 0.20  | 0.042 | ppbv  |   | 2.4    | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.14   | 0.20  | 0.014 | ppbv  | J | 0.42   | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 0.13   | 0.20  | 0.014 | ppbv  | J | 0.49   | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.28   | 0.20  | 0.028 | ppbv  |   | 1.6    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 88%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | ESS-2                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-28                  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | <b>Summa ID:</b>       | M129     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15523.D | 1  | 01/01/20 05:07 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 31.8   | 0.80 | 0.45  | ppbv  |   | 75.5   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 2.7    | 0.80 | 0.094 | ppbv  |   | 8.4    | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.60   | 0.80 | 0.061 | ppbv  | J | 1.2    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.6    | 0.80 | 0.088 | ppbv  |   | 5.5    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 3.5    | 0.80 | 0.21  | ppbv  |   | 13     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | ESS-2                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-28                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: M129 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 79.3   | 2.0  | 0.87  | ppbv  |   | 149    | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.58   | 0.80 | 0.15  | ppbv  | J | 2.1    | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 5.5    | 0.80 | 0.26  | ppbv  |   | 14     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.8    | 0.80 | 0.17  | ppbv  |   | 11     | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 3.3    | 0.80 | 0.14  | ppbv  |   | 14     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | 1.0    | 2.0  | 0.064 | ppbv  | J | 1.7    | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.2    | 0.80 | 0.055 | ppbv  |   | 6.7    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.25   | 0.16 | 0.12  | ppbv  |   | 1.7    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 6.4    | 0.80 | 0.058 | ppbv  |   | 24     | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.64   | 0.80 | 0.14  | ppbv  | J | 2.8    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.64   | 0.80 | 0.068 | ppbv  | J | 2.8    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 100%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                                       |                        |          |
|--------------------------|---------------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | EIA-3                                 | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-29                              | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp. Summa ID: A316 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                                 |                        |          |
| <b>Project:</b>          | Stellae International, NY             |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39962.D | 1  | 01/01/20 06:37 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 15.3   | 0.20 | 0.11   | ppbv  |   | 36.3   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.77   | 0.20 | 0.024  | ppbv  |   | 2.4    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.50   | 0.20 | 0.015  | ppbv  |   | 1.0    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.069  | 0.20 | 0.024  | ppbv  | J | 0.43   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 2.8    | 0.20 | 0.022  | ppbv  |   | 9.6    | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.42   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** EIA-3  
**Lab Sample ID:** JD743-29  
**Matrix:** AIR - Indoor Air Comp. Summa ID: A316  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19

**Date Received:** 12/20/19

**Percent Solids:** n/a

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 52.6   | 0.50  | 0.22  | ppbv  | E | 99.1   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.17   | 0.20  | 0.015 | ppbv  | J | 0.74   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.9    | 0.20  | 0.038 | ppbv  |   | 21     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.24   | 0.20  | 0.018 | ppbv  |   | 0.98   | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.14   | 0.20  | 0.011 | ppbv  | J | 0.49   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 4.2    | 0.20  | 0.065 | ppbv  |   | 10     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.23   | 0.20  | 0.015 | ppbv  |   | 0.80   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 5.4    | 0.20  | 0.042 | ppbv  |   | 16     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.085  | 0.20  | 0.022 | ppbv  | J | 0.40   | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 1.2    | 0.20  | 0.014 | ppbv  |   | 3.6    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.21   | 0.040 | 0.031 | ppbv  |   | 1.4    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 0.13   | 0.20  | 0.050 | ppbv  | J | 0.38   | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 9.5    | 0.20  | 0.014 | ppbv  |   | 36     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.53   | 0.20  | 0.034 | ppbv  |   | 2.3    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.33   | 0.20  | 0.017 | ppbv  |   | 1.4    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.86   | 0.20  | 0.017 | ppbv  |   | 3.7    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 92%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | ESS-3                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-30                  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | <b>Summa ID:</b>       | A224     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF   | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|------|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15524.D | 2.57 | 01/01/20 05:58 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |      |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 257 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 48.0   | 0.80 | 0.45  | ppbv  |   | 114    | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 14.1   | 0.80 | 0.094 | ppbv  |   | 43.9   | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | 0.77   | 0.80 | 0.080 | ppbv  | J | 3.8    | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | ND     | 0.80 | 0.061 | ppbv  |   | ND     | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 5.9    | 0.80 | 0.21  | ppbv  |   | 21     | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** ESS-3  
**Lab Sample ID:** JD743-30  
**Matrix:** AIR - Soil Vapor Comp. Summa ID: A224  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19

**Date Received:** 12/20/19

**Percent Solids:** n/a

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q   | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|-----|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 54.4   | 2.0  | 0.87  | ppbv  | 103 | 3.8    | 1.6  | ug/m3 |       |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  | ND  | 3.5    | 0.26 | ug/m3 |       |
| 141-78-6  | 88     | Ethyl Acetate             | ND     | 0.80 | 0.15  | ppbv  | ND  | 2.9    | 0.54 | ug/m3 |       |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  | ND  | 3.9    | 0.59 | ug/m3 |       |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  | ND  | 6.1    | 0.52 | ug/m3 |       |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  | ND  | 5.6    | 0.53 | ug/m3 |       |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  | ND  | 3.3    | 0.29 | ug/m3 |       |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  | ND  | 8.5    | 1.9  | ug/m3 |       |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  | ND  | 2.8    | 0.15 | ug/m3 |       |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  | ND  | 3.3    | 0.61 | ug/m3 |       |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 6.8    | 0.80 | 0.26  | ppbv  | 17  | 2.0    | 0.64 | ug/m3 |       |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  | ND  | 2.8    | 0.20 | ug/m3 |       |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 2.1    | 0.80 | 0.17  | ppbv  | 6.2 | 2.4    | 0.50 | ug/m3 |       |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 7.3    | 0.80 | 0.14  | ppbv  | 30  | 3.3    | 0.57 | ug/m3 |       |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  | ND  | 2.9    | 0.28 | ug/m3 |       |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  | ND  | 3.3    | 0.53 | ug/m3 |       |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  | ND  | 3.4    | 0.11 | ug/m3 |       |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  | ND  | 3.4    | 0.32 | ug/m3 |       |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  | ND  | 4.4    | 0.71 | ug/m3 |       |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  | ND  | 5.5    | 0.76 | ug/m3 |       |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  | ND  | 4.4    | 0.65 | ug/m3 |       |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  | ND  | 5.9    | 2.6  | ug/m3 |       |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  | ND  | 3.9    | 0.64 | ug/m3 |       |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  | ND  | 3.9    | 0.64 | ug/m3 |       |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  | ND  | 3.7    | 0.41 | ug/m3 |       |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.4    | 0.80 | 0.055 | ppbv  | 7.3 | 2.4    | 0.17 | ug/m3 |       |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 5.9    | 0.16 | 0.12  | ppbv  | 40  | 1.1    | 0.81 | ug/m3 |       |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  | ND  | 2.4    | 0.59 | ug/m3 |       |
| 108-88-3  | 92.14  | Toluene                   | 0.92   | 0.80 | 0.058 | ppbv  | 3.5 | 3.0    | 0.22 | ug/m3 |       |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  | ND  | 0.86   | 0.41 | ug/m3 |       |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  | ND  | 4.5    | 0.62 | ug/m3 |       |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  | ND  | 2.0    | 0.23 | ug/m3 |       |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  | ND  | 2.8    | 0.49 | ug/m3 |       |
|           | 106.2  | m,p-Xylene                | ND     | 0.80 | 0.14  | ppbv  | ND  | 3.5    | 0.61 | ug/m3 |       |
| 95-47-6   | 106.2  | o-Xylene                  | ND     | 0.80 | 0.068 | ppbv  | ND  | 3.5    | 0.30 | ug/m3 |       |
| 1330-20-7 | 106.2  | Xylenes (total)           | ND     | 0.80 | 0.068 | ppbv  | ND  | 3.5    | 0.30 | ug/m3 |       |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 105%   |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |       |  |  |                        |          |
|--------------------------|---------------------------|-----------|-------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | EIA-4                     |           |       |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-31                  |           |       |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A1006 |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                     |           |       |  |  |                        |          |
| <b>Project:</b>          | Stellae International, NY |           |       |  |  |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39963.D | 1  | 01/01/20 07:28 | DFT | n/a       | n/a        | V5W1625          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 17.8   | 0.20 | 0.11   | ppbv  |   | 42.3   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.14   | 0.20 | 0.012  | ppbv  | J | 0.45   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.43   | 0.20 | 0.024  | ppbv  |   | 1.3    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.51   | 0.20 | 0.015  | ppbv  |   | 1.1    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.066  | 0.20 | 0.024  | ppbv  | J | 0.42   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 3.1    | 0.20 | 0.022  | ppbv  |   | 11     | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.42   | 0.20 | 0.017  | ppbv  |   | 2.1    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                 |                                |
|--------------------------|---------------------------|-----------------|--------------------------------|
| <b>Client Sample ID:</b> | EIA-4                     |                 |                                |
| <b>Lab Sample ID:</b>    | JD743-31                  |                 |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A1006 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                 | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                 | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 34.0   | 0.50  | 0.22  | ppbv  |   | 64.1   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.12   | 0.20  | 0.015 | ppbv  | J | 0.52   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.5    | 0.20  | 0.038 | ppbv  |   | 20     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.16   | 0.20  | 0.018 | ppbv  | J | 0.66   | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.14   | 0.20  | 0.011 | ppbv  | J | 0.49   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 3.3    | 0.20  | 0.065 | ppbv  |   | 8.1    | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.36   | 0.20  | 0.015 | ppbv  |   | 1.3    | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 3.4    | 0.20  | 0.042 | ppbv  |   | 10     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 0.93   | 0.20  | 0.014 | ppbv  |   | 2.8    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.13   | 0.040 | 0.031 | ppbv  |   | 0.88   | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 6.0    | 0.20  | 0.014 | ppbv  |   | 23     | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.20   | 0.20  | 0.028 | ppbv  |   | 1.1    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.34   | 0.20  | 0.034 | ppbv  |   | 1.5    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.21   | 0.20  | 0.017 | ppbv  |   | 0.91   | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.55   | 0.20  | 0.017 | ppbv  |   | 2.4    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 89%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | ESS-4                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-32                  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | <b>Summa ID:</b>       | M404     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 6W15525.D | 1  | 01/01/20 06:46 | TCH | n/a       | n/a        | V6W645           |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 23.4   | 0.80 | 0.45  | ppbv  |   | 55.6   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 6.7    | 0.80 | 0.094 | ppbv  |   | 21     | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.43   | 0.80 | 0.061 | ppbv  | J | 0.89   | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 1.4    | 0.80 | 0.088 | ppbv  |   | 4.8    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 1.9    | 0.80 | 0.21  | ppbv  |   | 6.8    | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | ND     | 0.80 | 0.066 | ppbv  |   | ND     | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | ESS-4                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-32                  |                |                                |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | Summa ID: M404 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 42.7   | 2.0  | 0.87  | ppbv  |   | 80.5   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 2.8    | 0.80 | 0.26  | ppbv  |   | 6.9    | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 2.4    | 0.80 | 0.17  | ppbv  |   | 7.1    | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 2.5    | 0.80 | 0.14  | ppbv  |   | 10     | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 2.0    | 0.80 | 0.055 | ppbv  |   | 6.1    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 4.3    | 0.16 | 0.12  | ppbv  |   | 29     | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.80 | 0.20  | ppbv  |   | ND     | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 4.4    | 0.80 | 0.058 | ppbv  |   | 17     | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.70   | 0.80 | 0.14  | ppbv  | J | 3.0    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.41   | 0.80 | 0.068 | ppbv  | J | 1.8    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 1.1    | 0.80 | 0.068 | ppbv  |   | 4.8    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 99%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |           |      |  |  |                        |          |
|--------------------------|---------------------------|-----------|------|--|--|------------------------|----------|
| <b>Client Sample ID:</b> | EIA-5                     |           |      |  |  | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-33                  |           |      |  |  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: | A284 |  |  | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | TO-15                     |           |      |  |  |                        |          |
| <b>Project:</b>          | Stellae International, NY |           |      |  |  |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39972.D | 1  | 01/02/20 15:06 | DFT | n/a       | n/a        | V5W1626          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 400 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | MDL   | Units |
|------------|-------|----------------------------|--------|------|--------|-------|---|--------|------|-------|-------|
| 67-64-1    | 58.08 | Acetone                    | 15.1   | 0.20 | 0.11   | ppbv  |   | 35.9   | 0.48 | 0.26  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | 0.10  | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | 0.15   | 0.20 | 0.012  | ppbv  | J | 0.48   | 0.64 | 0.038 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | 0.18  | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | 0.38  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | 0.085 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | 0.096 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | 0.29  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 0.78   | 0.20 | 0.024  | ppbv  |   | 2.4    | 0.62 | 0.075 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | 0.12  | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | 0.13  | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | 0.098 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.52   | 0.20 | 0.015  | ppbv  |   | 1.1    | 0.41 | 0.031 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | 0.13  | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | 0.13  | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | 0.068  | 0.20 | 0.024  | ppbv  | J | 0.43   | 1.3  | 0.15  | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 2.5    | 0.20 | 0.022  | ppbv  |   | 8.6    | 0.69 | 0.076 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | 0.049 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | 0.067 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | 0.14  | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | 0.085 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | 0.088 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | 0.19  | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.44   | 0.20 | 0.017  | ppbv  |   | 2.2    | 0.99 | 0.084 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | 0.28  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | 0.029 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | 0.048 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | 0.13  | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | 0.11  | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | 0.091 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                |                                |
|--------------------------|---------------------------|----------------|--------------------------------|
| <b>Client Sample ID:</b> | EIA-5                     |                |                                |
| <b>Lab Sample ID:</b>    | JD743-33                  |                |                                |
| <b>Matrix:</b>           | AIR - Indoor Air Comp.    | Summa ID: A284 | <b>Date Sampled:</b> 12/18/19  |
| <b>Method:</b>           | TO-15                     |                | <b>Date Received:</b> 12/20/19 |
| <b>Project:</b>          | Stellae International, NY |                | <b>Percent Solids:</b> n/a     |

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | MDL   | Units |
|-----------|--------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 48.4   | 0.50  | 0.22  | ppbv  | E | 91.2   | 0.94 | 0.41  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | 0.14   | 0.20  | 0.015 | ppbv  | J | 0.61   | 0.87 | 0.065 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 5.1    | 0.20  | 0.038 | ppbv  |   | 18     | 0.72 | 0.14  | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 0.98 | 0.15  | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | 0.13  | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | 0.13  | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | 0.22   | 0.20  | 0.018 | ppbv  |   | 0.90   | 0.82 | 0.074 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | 0.49  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | 0.11   | 0.20  | 0.011 | ppbv  | J | 0.39   | 0.70 | 0.039 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 4.3    | 0.20  | 0.065 | ppbv  |   | 11     | 0.49 | 0.16  | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | 0.26   | 0.20  | 0.015 | ppbv  |   | 0.90   | 0.69 | 0.052 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 4.8    | 0.20  | 0.042 | ppbv  |   | 14     | 0.59 | 0.12  | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | 0.15  | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | 0.069 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | 0.14  | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | 0.027 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | 0.081 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | 0.18  | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | 0.19  | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | 0.16  | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | 0.66  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | 0.16  | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | 0.17  | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | 0.11   | 0.20  | 0.022 | ppbv  | J | 0.51   | 0.93 | 0.10  | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 1.0    | 0.20  | 0.014 | ppbv  |   | 3.0    | 0.61 | 0.042 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.18   | 0.040 | 0.031 | ppbv  |   | 1.2    | 0.27 | 0.21  | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | 0.15  | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 13.9   | 0.20  | 0.014 | ppbv  |   | 52.4   | 0.75 | 0.053 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | 0.10  | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | 0.21   | 0.20  | 0.028 | ppbv  |   | 1.2    | 1.1  | 0.16  | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | 0.056 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | 0.47   | 0.20  | 0.034 | ppbv  |   | 1.7    | 0.70 | 0.12  | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.40   | 0.20  | 0.034 | ppbv  |   | 1.7    | 0.87 | 0.15  | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.26   | 0.20  | 0.017 | ppbv  |   | 1.1    | 0.87 | 0.074 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 0.66   | 0.20  | 0.017 | ppbv  |   | 2.9    | 0.87 | 0.074 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 88%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

|                          |                           |                        |          |
|--------------------------|---------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | ESS-5                     | <b>Date Sampled:</b>   | 12/18/19 |
| <b>Lab Sample ID:</b>    | JD743-34                  | <b>Date Received:</b>  | 12/20/19 |
| <b>Matrix:</b>           | AIR - Soil Vapor Comp.    | <b>Summa ID:</b>       | M037     |
| <b>Method:</b>           | TO-15                     | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Stellae International, NY |                        |          |

| Run #  | File ID   | DF | Analyzed       | By  | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|-----|-----------|------------|------------------|
| Run #1 | 5W39973.D | 1  | 01/02/20 15:51 | DFT | n/a       | n/a        | V5W1626          |
| Run #2 |           |    |                |     |           |            |                  |

| Run #  | Initial Volume |
|--------|----------------|
| Run #1 | 100 ml         |
| Run #2 |                |

## VOA TO15 List

| CAS No.    | MW    | Compound                   | Result | RL   | MDL   | Units | Q | Result | RL  | MDL  | Units |
|------------|-------|----------------------------|--------|------|-------|-------|---|--------|-----|------|-------|
| 67-64-1    | 58.08 | Acetone                    | 39.3   | 0.80 | 0.45  | ppbv  |   | 93.4   | 1.9 | 1.1  | ug/m3 |
| 106-99-0   | 54.09 | 1,3-Butadiene              | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 1.8 | 0.40 | ug/m3 |
| 71-43-2    | 78.11 | Benzene                    | ND     | 0.80 | 0.048 | ppbv  |   | ND     | 2.6 | 0.15 | ug/m3 |
| 75-27-4    | 163.8 | Bromodichloromethane       | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.4 | 0.74 | ug/m3 |
| 75-25-2    | 252.8 | Bromoform                  | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 8.3 | 1.6  | ug/m3 |
| 74-83-9    | 94.94 | Bromomethane               | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.1 | 0.34 | ug/m3 |
| 593-60-2   | 106.9 | Bromoethene                | ND     | 0.80 | 0.088 | ppbv  |   | ND     | 3.5 | 0.38 | ug/m3 |
| 100-44-7   | 126   | Benzyl Chloride            | ND     | 0.80 | 0.23  | ppbv  |   | ND     | 4.1 | 1.2  | ug/m3 |
| 75-15-0    | 76.14 | Carbon disulfide           | 11.5   | 0.80 | 0.094 | ppbv  |   | 35.8   | 2.5 | 0.29 | ug/m3 |
| 108-90-7   | 112.6 | Chlorobenzene              | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 3.7 | 0.46 | ug/m3 |
| 75-00-3    | 64.52 | Chloroethane               | ND     | 0.80 | 0.19  | ppbv  |   | ND     | 2.1 | 0.50 | ug/m3 |
| 67-66-3    | 119.4 | Chloroform                 | ND     | 0.80 | 0.080 | ppbv  |   | ND     | 3.9 | 0.39 | ug/m3 |
| 74-87-3    | 50.49 | Chloromethane              | 0.54   | 0.80 | 0.061 | ppbv  | J | 1.1    | 1.7 | 0.13 | ug/m3 |
| 107-05-1   | 76.53 | 3-Chloropropene            | ND     | 0.80 | 0.16  | ppbv  |   | ND     | 2.5 | 0.50 | ug/m3 |
| 95-49-8    | 126.6 | 2-Chlorotoluene            | ND     | 0.80 | 0.10  | ppbv  |   | ND     | 4.1 | 0.52 | ug/m3 |
| 56-23-5    | 153.8 | Carbon tetrachloride       | ND     | 0.80 | 0.094 | ppbv  |   | ND     | 5.0 | 0.59 | ug/m3 |
| 110-82-7   | 84.16 | Cyclohexane                | 2.2    | 0.80 | 0.088 | ppbv  |   | 7.6    | 2.8 | 0.30 | ug/m3 |
| 75-34-3    | 98.96 | 1,1-Dichloroethane         | ND     | 0.80 | 0.046 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 75-35-4    | 96.94 | 1,1-Dichloroethylene       | ND     | 0.80 | 0.067 | ppbv  |   | ND     | 3.2 | 0.27 | ug/m3 |
| 106-93-4   | 187.9 | 1,2-Dibromoethane          | ND     | 0.80 | 0.071 | ppbv  |   | ND     | 6.1 | 0.55 | ug/m3 |
| 107-06-2   | 98.96 | 1,2-Dichloroethane         | ND     | 0.80 | 0.083 | ppbv  |   | ND     | 3.2 | 0.34 | ug/m3 |
| 78-87-5    | 113   | 1,2-Dichloropropane        | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 3.7 | 0.36 | ug/m3 |
| 123-91-1   | 88.12 | 1,4-Dioxane                | 1.3    | 0.80 | 0.21  | ppbv  |   | 4.7    | 2.9 | 0.76 | ug/m3 |
| 75-71-8    | 120.9 | Dichlorodifluoromethane    | 0.46   | 0.80 | 0.066 | ppbv  | J | 2.3    | 4.0 | 0.33 | ug/m3 |
| 124-48-1   | 208.3 | Dibromochloromethane       | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 6.8 | 1.1  | ug/m3 |
| 156-60-5   | 96.94 | trans-1,2-Dichloroethylene | ND     | 0.80 | 0.029 | ppbv  |   | ND     | 3.2 | 0.11 | ug/m3 |
| 156-59-2   | 96.94 | cis-1,2-Dichloroethylene   | ND     | 0.80 | 0.047 | ppbv  |   | ND     | 3.2 | 0.19 | ug/m3 |
| 10061-01-5 | 111   | cis-1,3-Dichloropropene    | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |
| 541-73-1   | 147   | m-Dichlorobenzene          | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 4.8 | 0.46 | ug/m3 |
| 95-50-1    | 147   | o-Dichlorobenzene          | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 4.8 | 0.52 | ug/m3 |
| 106-46-7   | 147   | p-Dichlorobenzene          | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 4.8 | 0.42 | ug/m3 |
| 10061-02-6 | 111   | trans-1,3-Dichloropropene  | ND     | 0.80 | 0.078 | ppbv  |   | ND     | 3.6 | 0.35 | ug/m3 |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** ESS-5  
**Lab Sample ID:** JD743-34  
**Matrix:** AIR - Soil Vapor Comp. Summa ID: M037  
**Method:** TO-15  
**Project:** Stellae International, NY

**Date Sampled:** 12/18/19

**Date Received:** 12/20/19

**Percent Solids:** n/a

## VOA TO15 List

| CAS No.   | MW     | Compound                  | Result | RL   | MDL   | Units | Q | Result | RL   | MDL  | Units |
|-----------|--------|---------------------------|--------|------|-------|-------|---|--------|------|------|-------|
| 64-17-5   | 46.07  | Ethanol                   | 48.5   | 2.0  | 0.87  | ppbv  |   | 91.4   | 3.8  | 1.6  | ug/m3 |
| 100-41-4  | 106.2  | Ethylbenzene              | ND     | 0.80 | 0.060 | ppbv  |   | ND     | 3.5  | 0.26 | ug/m3 |
| 141-78-6  | 88     | Ethyl Acetate             | 0.99   | 0.80 | 0.15  | ppbv  |   | 3.6    | 2.9  | 0.54 | ug/m3 |
| 622-96-8  | 120.2  | 4-Ethyltoluene            | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 3.9  | 0.59 | ug/m3 |
| 76-13-1   | 187.4  | Freon 113                 | ND     | 0.80 | 0.068 | ppbv  |   | ND     | 6.1  | 0.52 | ug/m3 |
| 76-14-2   | 170.9  | Freon 114                 | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 5.6  | 0.53 | ug/m3 |
| 142-82-5  | 100.2  | Heptane                   | ND     | 0.80 | 0.070 | ppbv  |   | ND     | 3.3  | 0.29 | ug/m3 |
| 87-68-3   | 260.8  | Hexachlorobutadiene       | ND     | 0.80 | 0.18  | ppbv  |   | ND     | 8.5  | 1.9  | ug/m3 |
| 110-54-3  | 86.17  | Hexane                    | ND     | 0.80 | 0.042 | ppbv  |   | ND     | 2.8  | 0.15 | ug/m3 |
| 591-78-6  | 100    | 2-Hexanone                | ND     | 0.80 | 0.15  | ppbv  |   | ND     | 3.3  | 0.61 | ug/m3 |
| 67-63-0   | 60.1   | Isopropyl Alcohol         | 6.6    | 0.80 | 0.26  | ppbv  |   | 16     | 2.0  | 0.64 | ug/m3 |
| 75-09-2   | 84.94  | Methylene chloride        | ND     | 0.80 | 0.058 | ppbv  |   | ND     | 2.8  | 0.20 | ug/m3 |
| 78-93-3   | 72.11  | Methyl ethyl ketone       | 5.6    | 0.80 | 0.17  | ppbv  |   | 17     | 2.4  | 0.50 | ug/m3 |
| 108-10-1  | 100.2  | Methyl Isobutyl Ketone    | 2.0    | 0.80 | 0.14  | ppbv  |   | 8.2    | 3.3  | 0.57 | ug/m3 |
| 1634-04-4 | 88.15  | Methyl Tert Butyl Ether   | ND     | 0.80 | 0.077 | ppbv  |   | ND     | 2.9  | 0.28 | ug/m3 |
| 80-62-6   | 100.12 | Methylmethacrylate        | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.3  | 0.53 | ug/m3 |
| 115-07-1  | 42     | Propylene                 | ND     | 2.0  | 0.064 | ppbv  |   | ND     | 3.4  | 0.11 | ug/m3 |
| 100-42-5  | 104.1  | Styrene                   | ND     | 0.80 | 0.076 | ppbv  |   | ND     | 3.4  | 0.32 | ug/m3 |
| 71-55-6   | 133.4  | 1,1,1-Trichloroethane     | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 4.4  | 0.71 | ug/m3 |
| 79-34-5   | 167.9  | 1,1,2,2-Tetrachloroethane | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 5.5  | 0.76 | ug/m3 |
| 79-00-5   | 133.4  | 1,1,2-Trichloroethane     | ND     | 0.80 | 0.12  | ppbv  |   | ND     | 4.4  | 0.65 | ug/m3 |
| 120-82-1  | 181.5  | 1,2,4-Trichlorobenzene    | ND     | 0.80 | 0.35  | ppbv  |   | ND     | 5.9  | 2.6  | ug/m3 |
| 95-63-6   | 120.2  | 1,2,4-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 108-67-8  | 120.2  | 1,3,5-Trimethylbenzene    | ND     | 0.80 | 0.13  | ppbv  |   | ND     | 3.9  | 0.64 | ug/m3 |
| 540-84-1  | 114.2  | 2,2,4-Trimethylpentane    | ND     | 0.80 | 0.087 | ppbv  |   | ND     | 3.7  | 0.41 | ug/m3 |
| 75-65-0   | 74.12  | Tertiary Butyl Alcohol    | 3.0    | 0.80 | 0.055 | ppbv  |   | 9.1    | 2.4  | 0.17 | ug/m3 |
| 127-18-4  | 165.8  | Tetrachloroethylene       | 0.35   | 0.16 | 0.12  | ppbv  |   | 2.4    | 1.1  | 0.81 | ug/m3 |
| 109-99-9  | 72.11  | Tetrahydrofuran           | 1.2    | 0.80 | 0.20  | ppbv  |   | 3.5    | 2.4  | 0.59 | ug/m3 |
| 108-88-3  | 92.14  | Toluene                   | 13.4   | 0.80 | 0.058 | ppbv  |   | 50.5   | 3.0  | 0.22 | ug/m3 |
| 79-01-6   | 131.4  | Trichloroethylene         | ND     | 0.16 | 0.076 | ppbv  |   | ND     | 0.86 | 0.41 | ug/m3 |
| 75-69-4   | 137.4  | Trichlorofluoromethane    | ND     | 0.80 | 0.11  | ppbv  |   | ND     | 4.5  | 0.62 | ug/m3 |
| 75-01-4   | 62.5   | Vinyl chloride            | ND     | 0.80 | 0.089 | ppbv  |   | ND     | 2.0  | 0.23 | ug/m3 |
| 108-05-4  | 86     | Vinyl Acetate             | ND     | 0.80 | 0.14  | ppbv  |   | ND     | 2.8  | 0.49 | ug/m3 |
|           | 106.2  | m,p-Xylene                | 0.64   | 0.80 | 0.14  | ppbv  | J | 2.8    | 3.5  | 0.61 | ug/m3 |
| 95-47-6   | 106.2  | o-Xylene                  | 0.40   | 0.80 | 0.068 | ppbv  | J | 1.7    | 3.5  | 0.30 | ug/m3 |
| 1330-20-7 | 106.2  | Xylenes (total)           | 1.0    | 0.80 | 0.068 | ppbv  |   | 4.3    | 3.5  | 0.30 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 89%    |        | 65-128% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Misc. Forms

5

### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle



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|                   |                                      |
|-------------------|--------------------------------------|
| FED-EX Tracking # | Bottle Order Control # KR-111919-211 |
| SGS Quote #       | SGS Job # T0743                      |

## 5.1

<http://www.sos.com/en/terms-and-conditions>

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JD743

SGS North America Inc. - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL. 732-329-0200 FAX 732-329-3499  
[www.sgs.com/ehsusa](http://www.sgs.com/ehsusa)

|                   |                                             |
|-------------------|---------------------------------------------|
| FED-EX Tracking # | Bottle Order Control # <b>KD-111919-211</b> |
| SGS Quote #       | SGS Job # <b>710743</b>                     |

[illegible]

Form:SM088-03C (revised 2/12/18)

<http://www.sgs.com/en/terms-and-conditions>

## JD743: Chain of Custody

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## CHAIN OF CUSTODY

SGS North America Inc. - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL 732-329-0200 FAX 732-329-3499  
www.sgs.com/en/usa

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|                   |                     |
|-------------------|---------------------|
| FED-EX Tracking # | SGS Order Control # |
| SGS Quote #       | SGS Job #           |

KR-111919-211  
JD743

|                                                                                                                                                                                                                                                                |                                     |                                                                                                           |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------|---------------------------|----|-------------------------------------|---------------------------|---------------------------------|---------------------------|----|-------------------------------------|---------------------------|---------------------------------|---------------------------|----|-------------------------------------|---------------------------|---------------------------------|---------------------------|----|-------------------------------------|---------------------------|---------------------------------|---------------------------|
| Company Name<br><b>ARCADIS</b>                                                                                                                                                                                                                                 |                                     | Project Name<br><b>50 Marcus Drive, Farmingdale, New York</b>                                             |                                 | Matrix Codes                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Street Address<br><b>Two Huntington Quadrangle, Suite 1810</b>                                                                                                                                                                                                 |                                     | Street<br><b>50 Marcus Drive</b>                                                                          |                                 | DW - Drinking Water<br>GW - Ground Water<br>WW - Water<br>SW - Surface Water<br>SO - Soil<br>SL - Sludge<br>SED - Sediment<br>OI - Oil<br>LIQ - Other Liquid<br>AIR - Air<br>SOL - Other Solid<br>WP - Waste<br>FB - Field Blank<br>EB - Equipment Blank<br>RB - Rinse Blank<br>TB - Trip Blank                                                                                                                                                 |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| City<br><b>Metville</b>                                                                                                                                                                                                                                        |                                     | City<br><b>Farmingdale</b>                                                                                |                                 | Billing Information (if different from Report to)                                                                                                                                                                                                                                                                                                                                                                                               |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| State<br><b>NY</b>                                                                                                                                                                                                                                             |                                     | State<br><b>NY</b>                                                                                        |                                 | Company Name<br><b>Arcadis U.S., Inc.</b>                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Zip<br><b>11747</b>                                                                                                                                                                                                                                            |                                     | Zip<br><b>11747</b>                                                                                       |                                 | Street Address<br><b>630 Plaza Drive, Suite 600</b>                                                                                                                                                                                                                                                                                                                                                                                             |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Project Contact<br><b>Christopher Engler</b>                                                                                                                                                                                                                   |                                     | Project #<br><b>30004624.00008</b>                                                                        |                                 | City<br><b>Highlands Ranch, CO</b>                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| E-mail<br><b>Christopher.Engler@arcadis.com</b>                                                                                                                                                                                                                |                                     | Client Purchase Order #                                                                                   |                                 | State<br><b>CO</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Phone #<br><b>(315) 448-8120</b>                                                                                                                                                                                                                               |                                     | Fax #<br><b>(315) 448-0017</b>                                                                            |                                 | Zip<br><b>80129</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Sampler(s) Name(s)<br><b>Albina Redzepagic</b>                                                                                                                                                                                                                 |                                     | Project Manager<br><b>Christopher Engler</b>                                                              |                                 | Attention:                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Phone #<br><b>(212) 365-4651</b>                                                                                                                                                                                                                               |                                     | Accts Payable                                                                                             |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Lab Sample #                                                                                                                                                                                                                                                   | Field ID / Point of Collection      | MECH/UDI Val #                                                                                            | Date                            | Time                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sampled by | Matrix                                                                                                                                                                                                                           | # of bottles              | NY                              | NC                        | ND | NE                                  | NO                        | NU                              | OW                        | SI | SW                                  | SO                        | SL                              | SED                       | OI | LIQ                                 | AIR                       | SOL                             | WP                        | FB | EB                                  | RB                        | TB                              | LAB USE ONLY              |
| 19                                                                                                                                                                                                                                                             | IA-4                                |                                                                                                           | 12/18/18                        | 6:04                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR         | AIR                                                                                                                                                                                                                              | 1                         |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| 20                                                                                                                                                                                                                                                             | SS-4                                |                                                                                                           | 12/18/18                        | 6:04                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR         | AIR                                                                                                                                                                                                                              | 1                         |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| 21                                                                                                                                                                                                                                                             | IA-5                                |                                                                                                           | 12/18/18                        | 6:01                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR         | AIR                                                                                                                                                                                                                              | 1                         |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| 22                                                                                                                                                                                                                                                             | SS-5                                |                                                                                                           | 12/18/18                        | 6:01                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR         | AIR                                                                                                                                                                                                                              | 1                         |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| 23                                                                                                                                                                                                                                                             | IA-6                                |                                                                                                           | 12/18/18                        | 6:13                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR         | AIR                                                                                                                                                                                                                              | 1                         |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| 24                                                                                                                                                                                                                                                             | SS-6                                |                                                                                                           | 12/18/18                        | 6:12                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR         | AIR                                                                                                                                                                                                                              | 1                         |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Turnaround Time (Business days)                                                                                                                                                                                                                                |                                     | Data Deliverable Information                                                                              |                                 | Comments / Special Instructions                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| <input type="checkbox"/> Std. 10 Business Days<br><input type="checkbox"/> 5 Day RUSH<br><input type="checkbox"/> 3 Day RUSH<br><input type="checkbox"/> 2 Day RUSH<br><input type="checkbox"/> 1 Day RUSH<br><input type="checkbox"/> other: 20 Business Days |                                     | Approved by (SGS Project Manager)/Date:                                                                   |                                 | <input type="checkbox"/> Commercial "A" (Level 1)<br><input type="checkbox"/> Commercial "B" (Level 2)<br><input type="checkbox"/> FULLT1 (Level 344)<br><input type="checkbox"/> NJ Reduced<br><input type="checkbox"/> Commercial "C"<br><input type="checkbox"/> NJ Data of Known Quality Protocol Reporting<br>Commercial "A" = Results Only; Commercial "B" = Results + QC Summary<br>NJ Reduced = Results + QC Summary + Partial Raw data |            | <input type="checkbox"/> NYASP Category A<br><input type="checkbox"/> NYASP Category B<br><input type="checkbox"/> State Forms<br><input type="checkbox"/> EDO Format EQUS 8<br><input checked="" type="checkbox"/> Other COMM-C |                           | * Gauge stock at -30 Hg         |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| Emergency & Rush TIA data available via LabLink                                                                                                                                                                                                                |                                     | Sample Custody must be documented before each time samples change possession, including courier delivery. |                                 | Sample inventory is verified upon receipt in the Laboratory                                                                                                                                                                                                                                                                                                                                                                                     |            |                                                                                                                                                                                                                                  |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |
| 1                                                                                                                                                                                                                                                              | Relinquished by: <i>[Signature]</i> | Date Time: 12/19/18 14:00                                                                                 | Received By: <i>[Signature]</i> | Date Time: 12/19/18 14:00                                                                                                                                                                                                                                                                                                                                                                                                                       | 2          | Relinquished by: <i>[Signature]</i>                                                                                                                                                                                              | Date Time: 12/19/18 14:00 | Received By: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | 3  | Relinquished by: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | Received By: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | 4  | Relinquished by: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | Received By: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | 5  | Relinquished by: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | Received By: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | 6  | Relinquished by: <i>[Signature]</i> | Date Time: 12/19/18 14:00 | Received By: <i>[Signature]</i> | Date Time: 12/19/18 14:00 |
| Custody Seal # 10007                                                                                                                                                                                                                                           |                                     | <input type="checkbox"/> Intact<br><input type="checkbox"/> Not Intact                                    |                                 | Preserved where applicable                                                                                                                                                                                                                                                                                                                                                                                                                      |            | <input type="checkbox"/> On Ice<br><input type="checkbox"/> Cooler Temp.                                                                                                                                                         |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |    |                                     |                           |                                 |                           |

Form:SM088-03C (revised 2/12/18)

<http://www.sgs.com/en/terms-and-conditions>

JD743: Chain of Custody

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JD743

SGS North America Inc. - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL 732-329-0200 FAX 732-329-3499  
[www.sgs.com/ehsusa](http://www.sgs.com/ehsusa)

|                   |                        |
|-------------------|------------------------|
| FED-EX Tracking # | Bottle Order Control # |
| SGS Quote #       | SGS Job #              |

Handwritten notes: KR-111919-211, JD-743

[illegible]

Form:SM088-03C (revised 2/12/18)

<http://www.sgs.com/en/terms-and-conditions>.

## JD743: Chain of Custody

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**Attachment C**  
**TO-15 Sampling Compound List**  
**OU-3 Pre-Occupancy Work Plan**  
**50 Marcus Drive, Farmingdale, NY**

|                                         |                           |
|-----------------------------------------|---------------------------|
| 1,1,1-Trichloroethane                   | Ethyl acetate             |
| 1,1,2,2-Tetrachloroethane               | Ethylbenzene              |
| 1,1,1,2-Trichloro-1,2,2-trifluoroethane | Hexachlorobutadiene       |
| 1,1,2-Trichloroethane                   | Isooctane                 |
| 1,1-Dichloroethane                      | m&p-Xylene                |
| 1,1-Dichloroethene                      | Methylene chloride        |
| 1,2,4-Trichlorobenzene                  | MTBE                      |
| 1,2,4-Trimethylbenzene                  | n-Heptane                 |
| 1,2-Dibromoethane                       | n-Hexane                  |
| 1,2-dichloro- 1,1,2,2-tetrafluoroethane | o-Xylene                  |
| 1,2-Dichlorobenzene                     | Propene                   |
| 1,2-Dichloroethane                      | Stylene                   |
| 1,2-Dichloropropane                     | t-Butyl Alcohol           |
| 1,3,5-Trimethylbenzene                  | Tetrachloroethene         |
| 1,3-Butadiene                           | Tetrahydrofuran           |
| 1,3-Dichlorobenzene                     | Toluene                   |
| 1,4-Dichlorobenzene                     | trans-1,2-Dichloroethene  |
| 1,4-Dioxane                             | trans-1,3-Dichloropropene |
| 2-Butanone (MEK)                        | Trichloroethene           |
| 2-Chlorotoluene                         | Trichlorofluoromethane    |
| 2-Hexanone                              | Vinyl acetate             |
| 2-Propanol                              | Vinyl chloride            |
| 3-Chloropropene                         |                           |
| 4-Ethyltoluene                          |                           |
| 4-Methyl-2-pentanone (MIBK)             |                           |
| Acetone                                 |                           |
| Benzene                                 |                           |
| Benzyl chloride                         |                           |
| Bromodichloromethane                    |                           |
| Bromoethene                             |                           |
| Bromoform                               |                           |
| Bromomethane                            |                           |
| Carbon disulfide                        |                           |
| Carbon tetrachloride                    |                           |
| Chlorobenzene                           |                           |
| Chloroethane                            |                           |
| Chloroform                              |                           |
| Chloromethane                           |                           |
| cis-1,2-Dichloroethene                  |                           |
| cis-1,3-Dichloropropene                 |                           |
| Cyclohexane                             |                           |
| Dibromochloromethane                    |                           |
| Dichlorodifluoromethane                 |                           |

G:\Clients\Stellae\Att C\_TO-15 Compound list.xlsx 1 of 1

5/16/2016



# AIR SAMPLING EQUIPMENT RETURN FORM

CLIENT: Arcadis PROJECT: 50 Marcus Drive, Farmingdale  
CONTROL# KR-111919-211 JOB# JD743

ADDITIONAL SUMMA CANISTERS

~~XXXXXXXXXX~~

ADDITIONAL CONTROLLERS

FC 661

| RELINQUISHED BY:               | DATE & TIME:    | RECEIVED BY:                              | DATE & TIME:          |
|--------------------------------|-----------------|-------------------------------------------|-----------------------|
| 1. <u>SGS Courier</u>          | <u>12/29/19</u> | <u>Chavis James Yun</u>                   | <u>12/29/19 11:25</u> |
| RELINQUISHED BY:               | DATE & TIME:    | RECEIVED BY:                              | DATE & TIME:          |
| 3                              |                 | 4                                         |                       |
| CUSTODY SEAL #'S: <u>10009</u> |                 | # OF BOXES OR PIECES IN DELIVERY <u>9</u> |                       |

NOTES:

SM086-03  
Pub date: 3/12/18

# SGS Sample Receipt Summary

Job Number: JD743

Client: ARCADIS

Project: STELLAE INTERNATIONAL, NY

Date / Time Received: 12/20/2019 4:50:00 PM

Delivery Method:

Airbill #s:

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

| <u>Cooler Security</u>    | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |                       | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|---------------------------|-------------------------------------|-----------|--------------------------|-----------------------|-------------------------------------|-----------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

| <u>Cooler Temperature</u>    | <u>Y</u>                 | <u>or</u> | <u>N</u>                 |
|------------------------------|--------------------------|-----------|--------------------------|
| 1. Temp criteria achieved:   | <input type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Cooler temp verification: | N/A                      |           |                          |
| 3. Cooler media:             | N/A                      |           |                          |
| 4. No. Coolers:              | N/A                      |           |                          |

| <u>Quality Control Preservation</u> | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>                          |
|-------------------------------------|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler:     | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. Trip Blank listed on COC:        | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 3. Samples preserved properly:      | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 4. VOCs headspace free:             | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|-----------------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Sample labels present on bottles:    | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Container labeling complete:         | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 3. Sample container label / COC agree:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

| <u>Sample Integrity - Condition</u> | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|-------------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Sample recvd within HT:          | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. All containers accounted for:    | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 3. Condition of sample:             | Intact                              |           |                          |

| <u>Sample Integrity - Instructions</u>    | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>                          |
|-------------------------------------------|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

SM089-02 Rev. Date 12/1/16

JD743: Chain of Custody

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Responded to by:

Response Date:

## SGS Sample Receipt Summary

**Job Number:** JD743

**Client:** Arcadis

**Project:** 50 Marcus Drive, Farmingdale, New York

**Date / Time Received:** 12/20/2019 4:50:00 PM

**Delivery Method:** Accutest Courier

**Airbill #s:**

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

**Cooler Security**      Y or N      Y or N

- |                                                                                        |                                                                                     |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/>        |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <input type="checkbox"/>  | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <input type="checkbox"/> |

**Cooler Temperature**      Y or N

- |                                                                                         |  |
|-----------------------------------------------------------------------------------------|--|
| 1. Temp criteria achieved: <input checked="" type="checkbox"/> <input type="checkbox"/> |  |
| 2. Cooler temp verification: _____                                                      |  |
| 3. Cooler media: _____                                                                  |  |
| 4. No. Coolers: _____                                                                   |  |

**Quality Control Preservation**      Y or N      N/A

- |                                                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------|--|
| 1. Trip Blank present / cooler: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>           |  |
| 2. Trip Blank listed on COC: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              |  |
| 3. Samples preserved properly: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |
| 4. VOCs headspace free: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                   |  |

**Sample Integrity - Documentation**      Y or N

- |                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------|--|
| 1. Sample labels present on bottles: <input checked="" type="checkbox"/> <input type="checkbox"/>   |  |
| 2. Container labeling complete: <input checked="" type="checkbox"/> <input type="checkbox"/>        |  |
| 3. Sample container label / COC agree: <input checked="" type="checkbox"/> <input type="checkbox"/> |  |

**Sample Integrity - Condition**      Y or N

- |                                                                                               |        |
|-----------------------------------------------------------------------------------------------|--------|
| 1. Sample recvd within HT: <input checked="" type="checkbox"/> <input type="checkbox"/>       |        |
| 2. All containers accounted for: <input checked="" type="checkbox"/> <input type="checkbox"/> |        |
| 3. Condition of sample: _____                                                                 | Intact |

**Sample Integrity - Instructions**      Y or N      N/A

- |                                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------|--|
| 1. Analysis requested is clear: <input checked="" type="checkbox"/> <input type="checkbox"/>                             |  |
| 2. Bottles received for unspecified tests: <input type="checkbox"/> <input checked="" type="checkbox"/>                  |  |
| 3. Sufficient volume recvd for analysis: <input checked="" type="checkbox"/> <input type="checkbox"/>                    |  |
| 4. Compositing instructions clear: <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |  |
| 5. Filtering instructions clear: <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>   |  |

Test Strip Lot #s:      pH 1-12: 229517      pH 12+: 208717      Other: (Specify) \_\_\_\_\_

Comments

-19 Did not receive FC565.

-31 ID on flow controller label is MC205, not FC205.

-29 ID on flow controller label is MC104, not MC109.

SM089-02 Rev. Date 12/1/16

**JD743: Chain of Custody**

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Please proceed as noted

**JD743: Chain of Custody**  
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# Summa Canister and Flow Controller Log

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**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY  
**Received:** 12/20/19

| SUMMA CANISTERS |   |          |          |    |                  |            |               |          |    |          |           |            |          |
|-----------------|---|----------|----------|----|------------------|------------|---------------|----------|----|----------|-----------|------------|----------|
| Shipping        |   |          |          |    |                  |            | Receiving     |          |    |          |           |            |          |
| Summa ID        | L | Vac " Hg | Date Out | By | SCC Batch        | SCC FileID | Sample Number | Date In  | By | Vac " Hg | Pres psig | Final psig | Dil Fact |
| LA 2352         | 6 | 29.4     | 12/06/19 | ED | CP106016W14980.D |            | JD743-1       | 12/30/19 | ED | 6        |           |            | 1        |
| A775            | 6 | 29.4     | 12/06/19 | ED | CP106046W15007.D |            | JD743-2       | 12/30/19 | ED | 2.5      |           |            | 1        |
| A195            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-3       | 12/30/19 | ED | 7        |           |            | 1        |
| M238            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-4       | 12/30/19 | ED | 7.5      |           |            | 1        |
| A1074           | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-5       | 12/30/19 | ED | 9        |           | 1.2        | 1.55     |
| A1051           | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-6       | 12/30/19 | ED | 5.5      |           |            | 1        |
| A831            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-7       | 12/30/19 | ED | 6        |           |            | 1        |
| M229            | 6 | 29.4     | 12/06/19 | ED | CP106046W15007.D |            | JD743-8       | 12/30/19 | ED | 8        |           | 1.2        | 1.48     |
| A883            | 6 | 29.4     | 12/06/19 | ED | CP106046W15007.D |            | JD743-9       | 12/30/19 | ED | 6        |           |            | 1        |
| A888            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-10      | 12/27/19 | ED | 9        |           | 1.2        | 1.55     |
| M107            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-11      | 12/27/19 | ED | 9        |           | 1.2        | 1.55     |
| A845            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-12      | 12/27/19 | ED | 9        |           | 1.2        | 1.55     |
| A324            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-13      | 12/27/19 | ED | 8.5      |           | 1.3        | 1.52     |
| A442            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-14      | 12/27/19 | ED | 4.5      |           |            | 1        |
| A262            | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-15      | 12/27/19 | ED | 6        |           |            | 1        |
| A642            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-16      | 12/27/19 | ED | 5.5      |           |            | 1        |
| A302            | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-17      | 12/27/19 | ED | 6.5      |           |            | 1        |
| M403            | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-18      | 12/27/19 | ED | 14.5     |           | 1.2        | 2.1      |
| A1081           | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-19      | 12/27/19 | ED | 5.5      |           |            | 1        |
| A1088           | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-20      | 12/27/19 | ED | 6.5      |           |            | 1        |
| A226            | 6 | 29.4     | 12/06/19 | ED | CP106036W15025.D |            | JD743-21      | 12/27/19 | ED | 8        |           | 1.2        | 1.48     |
| M105            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-22      | 12/27/19 | ED | 9        |           | 1.2        | 1.55     |
| A345            | 6 | 29.4     | 12/06/19 | ED | CP106016W14980.D |            | JD743-23      | 12/27/19 | ED | 7.5      |           |            | 1        |
| A1205           | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-24      | 12/27/19 | ED | 6        |           |            | 1        |
| M207            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-25      | 12/27/19 | ED | 7        |           |            | 1        |
| A248            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-26      | 12/27/19 | ED | 4.5      |           |            | 1        |
| A363            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-27      | 12/27/19 | ED | 7        |           |            | 1        |
| M129            | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-28      | 12/27/19 | ED | 6        |           |            | 1        |
| A316            | 6 | 29.4     | 12/06/19 | ED | CP105926W14966.D |            | JD743-29      | 12/27/19 | ED | 7        |           |            | 1        |
| A224            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-30      | 12/27/19 | ED | 17.5     |           | 1          | 2.57     |
| A1006           | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-31      | 12/27/19 | ED | 5        |           |            | 1        |
| M404            | 6 | 29.4     | 12/06/19 | ED | CP106106W15106.D |            | JD743-32      | 12/27/19 | ED | 6.5      |           |            | 1        |
| A284            | 6 | 29.4     | 12/06/19 | ED | CP105846W15065.D |            | JD743-33      | 12/27/19 | ED | 6        |           |            | 1        |
| M037            | 6 | 29.4     | 12/06/19 | ED | CP106056W15026.D |            | JD743-34      | 12/27/19 | ED | 6        |           |            | 1        |

| FLOW CONTROLLERS / OTHER |          |    |         |           |           |    |         |          |                 |  |
|--------------------------|----------|----|---------|-----------|-----------|----|---------|----------|-----------------|--|
| Shipping                 |          |    |         |           | Receiving |    |         |          |                 |  |
| Flow Crtl ID             | Date Out | By | cc/ min | Time hrs. | Date In   | By | cc/ min | Flow RPD | Equipment Type  |  |
| FC133                    | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.6     | 0        | Flow Controller |  |

# Summa Canister and Flow Controller Log

Page 2 of 2

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY  
**Received:** 12/20/19

## FLOW CONTROLLERS / OTHER

| Shipping     |          |    |         |           | Receiving |    |         |          |                 |
|--------------|----------|----|---------|-----------|-----------|----|---------|----------|-----------------|
| Flow Crtl ID | Date Out | By | cc/ min | Time hrs. | Date In   | By | cc/ min | Flow RPD | Equipment Type  |
| FC179        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.5    | 9        | Flow Controller |
| FC275        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 6.6     | 37*      | Flow Controller |
| FC294        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.6     | 0        | Flow Controller |
| FC331        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10      | 4.1      | Flow Controller |
| FC437        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.2    | 6.1      | Flow Controller |
| FC472        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.8     | 2.1      | Flow Controller |
| FC481        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.4    | 8        | Flow Controller |
| FC492        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.1    | 5.1      | Flow Controller |
| FC533        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.1    | 5.1      | Flow Controller |
| FC542        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.9    | 12.7     | Flow Controller |
| FC562        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.4    | 8        | Flow Controller |
| FC565        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.7    | 10.8     | Flow Controller |
| FC568        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.6    | 9.9      | Flow Controller |
| FC581        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.3    | 7        | Flow Controller |
| FC585        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.2    | 6.1      | Flow Controller |
| FC618        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10      | 4.1      | Flow Controller |
| FC642        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 12.1    | 23*      | Flow Controller |
| FC661        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 7.4     | 25.9*    | Flow Controller |
| FC667        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.4    | 8        | Flow Controller |
| FC674        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10      | 4.1      | Flow Controller |
| FC686        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.9     | 3.1      | Flow Controller |
| FC710        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10      | 4.1      | Flow Controller |
| FC713        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.7     | 1        | Flow Controller |
| FC730        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.2    | 6.1      | Flow Controller |
| FC732        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.9     | 3.1      | Flow Controller |
| MC092        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.2    | 6.1      | Flow Controller |
| MC098        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 8.9     | 7.6      | Flow Controller |
| MC104        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 9.6     | 0        | Flow Controller |
| MC109        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.3    | 7        | Flow Controller |
| MC126        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.5    | 9        | Flow Controller |
| MC183        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.3    | 7        | Flow Controller |
| MC205        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 11      | 13.6     | Flow Controller |
| MC233        | 12/06/19 | ED | 9.6     | 8         | 12/24/19  | JT | 10.5    | 9        | Flow Controller |

\* Flow controller RPD > 20%

## SGS Bottle Order(s):

KR-111919-211

**Prep Date** 12/06/19    **Room Temp(F)** 70    **Bar Pres "Hg** 29.92

## Internal Sample Tracking Chronicle

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number    | Method                     | Analyzed        | By                  | Prepped | By | Test Codes |
|------------------|----------------------------|-----------------|---------------------|---------|----|------------|
| JD743-1<br>WIA-1 | Collected: 18-DEC-19 05:42 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-1          | TO-15                      | 31-DEC-19 16:30 | DFT                 |         |    | VTO15STD   |
| JD743-2<br>WSS-1 | Collected: 18-DEC-19 05:43 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-2          | TO-15                      | 31-DEC-19 17:44 | TCH                 |         |    | VTO15STD   |
| JD743-2          | TO-15                      | 02-JAN-20 17:20 | DFT                 |         |    | VTO15STD   |
| JD743-3<br>WIA-2 | Collected: 18-DEC-19 05:48 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-3          | TO-15                      | 31-DEC-19 17:24 | DFT                 |         |    | VTO15STD   |
| JD743-4<br>WSS-2 | Collected: 18-DEC-19 05:48 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-4          | TO-15                      | 31-DEC-19 19:20 | TCH                 |         |    | VTO15STD   |
| JD743-5<br>WIA-3 | Collected: 18-DEC-19 05:51 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-5          | TO-15                      | 31-DEC-19 18:18 | DFT                 |         |    | VTO15STD   |
| JD743-6<br>WSS-3 | Collected: 18-DEC-19 05:51 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-6          | TO-15                      | 31-DEC-19 20:08 | TCH                 |         |    | VTO15STD   |
| JD743-7<br>WIA-4 | Collected: 18-DEC-19 05:41 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-7          | TO-15                      | 31-DEC-19 19:12 | DFT                 |         |    | VTO15STD   |
| JD743-8<br>WSS-4 | Collected: 18-DEC-19 05:41 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-8          | TO-15                      | 31-DEC-19 20:57 | TCH                 |         |    | VTO15STD   |

## Internal Sample Tracking Chronicle

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number     | Method                            | Analyzed        | By                         | Prepped | By | Test Codes |
|-------------------|-----------------------------------|-----------------|----------------------------|---------|----|------------|
| JD743-8           | TO-15                             | 02-JAN-20 17:56 | TCH                        |         |    | VTO15STD   |
| JD743-9<br>WIA-5  | Collected: 18-DEC-19 05:46 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-9           | TO-15                             | 31-DEC-19 20:57 | DFT                        |         |    | VTO15STD   |
| JD743-10<br>WSS-5 | Collected: 18-DEC-19 05:46 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-10          | TO-15                             | 31-DEC-19 21:47 | TCH                        |         |    | VTO15STD   |
| JD743-11<br>AMB-1 | Collected: 18-DEC-19 05:17 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-11          | TO-15                             | 31-DEC-19 21:51 | DFT                        |         |    | VTO15STD   |
| JD743-12<br>AMB-2 | Collected: 18-DEC-19 05:17 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-12          | TO-15                             | 31-DEC-19 22:45 | DFT                        |         |    | VTO15STD   |
| JD743-13<br>IA-1  | Collected: 18-DEC-19 05:57 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-13          | TO-15                             | 31-DEC-19 23:40 | DFT                        |         |    | VTO15STD   |
| JD743-13          | TO-15                             | 02-JAN-20 14:15 | DFT                        |         |    | VTO15STD   |
| JD743-14<br>SS-1  | Collected: 18-DEC-19 05:57 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-14          | TO-15                             | 31-DEC-19 22:36 | TCH                        |         |    | VTO15STD   |
| JD743-14          | TO-15                             | 02-JAN-20 18:44 | TCH                        |         |    | VTO15STD   |
| JD743-15<br>IA-2  | Collected: 18-DEC-19 06:15 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-15          | TO-15                             | 01-JAN-20 00:32 | DFT                        |         |    | VTO15STD   |

# Internal Sample Tracking Chronicle

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number    | Method                     | Analyzed        | By                  | Prepped | By | Test Codes |
|------------------|----------------------------|-----------------|---------------------|---------|----|------------|
| JD743-16<br>SS-2 | Collected: 18-DEC-19 06:15 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-16         | TO-15                      | 31-DEC-19 23:24 | TCH                 |         |    | VTO15STD   |
| JD743-17<br>IA-3 | Collected: 18-DEC-19 05:52 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-17         | TO-15                      | 01-JAN-20 01:25 | DFT                 |         |    | VTO15STD   |
| JD743-18<br>SS-3 | Collected: 18-DEC-19 05:53 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-18         | TO-15                      | 01-JAN-20 00:14 | TCH                 |         |    | VTO15STD   |
| JD743-19<br>IA-4 | Collected: 18-DEC-19 06:04 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-19         | TO-15                      | 01-JAN-20 02:15 | DFT                 |         |    | VTO15STD   |
| JD743-20<br>SS-4 | Collected: 18-DEC-19 06:04 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-20         | TO-15                      | 01-JAN-20 01:03 | TCH                 |         |    | VTO15STD   |
| JD743-20         | TO-15                      | 02-JAN-20 19:33 | TCH                 |         |    | VTO15STD   |
| JD743-21<br>IA-5 | Collected: 18-DEC-19 06:01 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-21         | TO-15                      | 01-JAN-20 03:09 | DFT                 |         |    | VTO15STD   |
| JD743-22<br>SS-5 | Collected: 18-DEC-19 06:01 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |
| JD743-22         | TO-15                      | 01-JAN-20 01:53 | TCH                 |         |    | VTO15STD   |
| JD743-23<br>IA-6 | Collected: 18-DEC-19 06:13 | By: AR          | Received: 20-DEC-19 | By: DG  |    |            |

## Internal Sample Tracking Chronicle

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number     | Method                            | Analyzed        | By                         | Prepped | By | Test Codes |
|-------------------|-----------------------------------|-----------------|----------------------------|---------|----|------------|
| JD743-23          | TO-15                             | 01-JAN-20 04:01 | DFT                        |         |    | VTO15STD   |
| JD743-24<br>SS-6  | Collected: 18-DEC-19 06:12 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-24          | TO-15                             | 01-JAN-20 02:41 | TCH                        |         |    | VTO15STD   |
| JD743-25<br>EIA-1 | Collected: 18-DEC-19 06:09 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-25          | TO-15                             | 01-JAN-20 04:53 | DFT                        |         |    | VTO15STD   |
| JD743-26<br>ESS-1 | Collected: 18-DEC-19 06:10 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-26          | TO-15                             | 01-JAN-20 04:18 | TCH                        |         |    | VTO15STD   |
| JD743-27<br>EIA-2 | Collected: 18-DEC-19 06:05 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-27          | TO-15                             | 01-JAN-20 05:44 | DFT                        |         |    | VTO15STD   |
| JD743-28<br>ESS-2 | Collected: 18-DEC-19 06:06 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-28          | TO-15                             | 01-JAN-20 05:07 | TCH                        |         |    | VTO15STD   |
| JD743-29<br>EIA-3 | Collected: 18-DEC-19 06:01 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-29          | TO-15                             | 01-JAN-20 06:37 | DFT                        |         |    | VTO15STD   |
| JD743-30<br>ESS-3 | Collected: 18-DEC-19 06:02 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-30          | TO-15                             | 01-JAN-20 05:58 | TCH                        |         |    | VTO15STD   |
| JD743-31<br>EIA-4 | Collected: 18-DEC-19 05:57 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |

Internal Sample Tracking Chronicle

Arcadis

Job No: JD743

Stellae International, NY  
Project No: 30004624.00008

| Sample Number     | Method                            | Analyzed        | By                         | Prepped | By | Test Codes |
|-------------------|-----------------------------------|-----------------|----------------------------|---------|----|------------|
| JD743-31          | TO-15                             | 01-JAN-20 07:28 | DFT                        |         |    | VTO15STD   |
| JD743-32<br>ESS-4 | Collected: 18-DEC-19 05:58 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-32          | TO-15                             | 01-JAN-20 06:46 | TCH                        |         |    | VTO15STD   |
| JD743-33<br>EIA-5 | Collected: 18-DEC-19 06:12 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-33          | TO-15                             | 02-JAN-20 15:06 | DFT                        |         |    | VTO15STD   |
| JD743-34<br>ESS-5 | Collected: 18-DEC-19 06:14 By: AR |                 | Received: 20-DEC-19 By: DG |         |    |            |
| JD743-34          | TO-15                             | 02-JAN-20 15:51 | DFT                        |         |    | VTO15STD   |

## MS Volatiles

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

## Method Blank Summary

**Job Number:** JD743**Account:** AGMNYM Arcadis**Project:** Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W645-MB | 6W15505.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

**The QC reported here applies to the following samples:****Method:** TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

Page 2 of 3

Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W645-MB | 6W15505.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W645-MB | 6W15505.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples: Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 96% 65-128% |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1625-MB | 5W39944.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1625-MB | 5W39944.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1625-MB | 5W39944.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples: Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 91% 65-128% |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1626-MB | 5W39970.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1626-MB | 5W39970.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1626-MB | 5W39970.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples: Method: TO-15  
JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 88% 65-128% |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W646-MB | 6W15534.D | 1  | 01/02/20 | TCH | n/a       | n/a        | V6W646           |

The QC reported here applies to the following samples: Method: TO-15

JD743-8

| CAS No. | Compound | Result | RL   | MDL  | Units | Q | Result | RL   | Units |
|---------|----------|--------|------|------|-------|---|--------|------|-------|
| 67-64-1 | Acetone  | ND     | 0.20 | 0.11 | ppbv  |   | ND     | 0.48 | ug/m3 |

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 98% 65-128% |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-MB | 6W14962.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here applies to the following samples:

Method: TO-15

V6W623-SCC

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-MB | 6W14962.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here applies to the following samples:

Method: TO-15

V6W623-SCC

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-MB | 6W14962.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here applies to the following samples: Method: TO-15

V6W623-SCC

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 93% 65-128% |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-MB | 6W14986.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here applies to the following samples:

Method: TO-15

V6W624-SCC

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-MB | 6W14986.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here applies to the following samples:

Method: TO-15

V6W624-SCC

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-MB | 6W14986.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here applies to the following samples: Method: TO-15

V6W624-SCC

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 93% 65-128% |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-MB | 6W15014.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here applies to the following samples:

Method: TO-15

V6W625-SCC

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-MB | 6W15014.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here applies to the following samples:

Method: TO-15

V6W625-SCC

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-MB | 6W15014.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here applies to the following samples: Method: TO-15

V6W625-SCC

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 92% 65-128% |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-MB | 6W15064.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here applies to the following samples:

Method: TO-15

V6W627-SCC

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-MB | 6W15064.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here applies to the following samples:

Method: TO-15

V6W627-SCC

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-MB | 6W15064.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here applies to the following samples: Method: TO-15

V6W627-SCC

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 91% 65-128% |

## Method Blank Summary

Page 1 of 3

Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-MB | 6W15088.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here applies to the following samples:

Method: TO-15

V6W628-SCC

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

## Method Blank Summary

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-MB | 6W15088.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here applies to the following samples:

Method: TO-15

V6W628-SCC

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Method Blank Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample    | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-MB | 6W15088.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here applies to the following samples: Method: TO-15

V6W628-SCC

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 91% 65-128% |

| CAS No.  | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q  |
|----------|----------------------------------|------|------------|-------|----|
| 124-38-9 | Carbon dioxide                   | 3.60 | 59         | ppbv  | JN |
|          | Total TIC, Volatile              |      | 0          | ppbv  |    |

# Blank Spike/Blank Spike Duplicate Summary

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**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1625-BS  | 5W39940.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |
| V5W1625-BSD | 5W39941.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 9.3         | 93       | 9.3         | 93       | 0   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 9.9         | 99       | 10.2        | 102      | 3   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 9.5         | 95       | 9.8         | 98       | 3   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 10          | 100      | 9.9         | 99       | 1   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.1        | 101      | 10.3        | 103      | 2   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 9.3         | 93       | 9.4         | 94       | 1   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 9.8         | 98       | 9.9         | 99       | 1   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 11.5        | 115      | 12.0        | 120      | 4   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 10.2        | 102      | 10.3        | 103      | 1   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 9.4         | 94       | 9.6         | 96       | 2   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 10.2        | 102      | 10.1        | 101      | 1   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 9.4         | 94       | 9.5         | 95       | 1   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 9.7         | 97       | 9.6         | 96       | 1   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 10.1        | 101      | 10.3        | 103      | 2   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10.2        | 102      | 10.5        | 105      | 3   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 9.9         | 99       | 10          | 100      | 1   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 9.7         | 97       | 9.9         | 99       | 2   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 9.5         | 95       | 9.6         | 96       | 1   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 10.2        | 102      | 10.2        | 102      | 0   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 9.8         | 98       | 9.9         | 99       | 1   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 9.4         | 94       | 9.5         | 95       | 1   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 10.9        | 109      | 11.1        | 111      | 2   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 9.6         | 96       | 9.9         | 99       | 3   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 9.7         | 97       | 9.8         | 98       | 1   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 10.2        | 102      | 10.4        | 104      | 2   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 10.9        | 109      | 11.3        | 113      | 4   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 10.3        | 103      | 10.6        | 106      | 3   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 10.8        | 108      | 11.2        | 112      | 4   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 9.8         | 98       | 10.1        | 101      | 3   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 8.9         | 89       | 8.9         | 89       | 0   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.5         | 95       | 9.6         | 96       | 1   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 10.0        | 100      | 10.1        | 101      | 1   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 11.2        | 112      | 11.3        | 113      | 1   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1625-BS  | 5W39940.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |
| V5W1625-BSD | 5W39941.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 9.4         | 94       | 9.5         | 95       | 1   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 9.7         | 97       | 9.6         | 96       | 1   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 10.4        | 104      | 10.5        | 105      | 1   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 9.4         | 94       | 9.4         | 94       | 0   | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 10          | 100      | 10.1        | 101      | 1   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 11.1        | 111      | 11.1        | 111      | 0   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.5         | 85       | 8.6         | 86       | 1   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 9.3         | 93       | 9.3         | 93       | 0   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 9.5         | 95       | 9.6         | 96       | 1   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 10.2        | 102      | 10.2        | 102      | 0   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 9.5         | 95       | 9.7         | 97       | 2   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 10.3        | 103      | 10.5        | 105      | 2   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 9.5         | 95       | 9.7         | 97       | 2   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 10.9        | 109      | 11.0        | 110      | 1   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 9.1         | 91       | 9.3         | 93       | 2   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 9.0         | 90       | 9.1         | 91       | 1   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 10.4        | 104      | 10.5        | 105      | 1   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 10.2        | 102      | 10.7        | 107      | 5   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 10.2        | 102      | 10.2        | 102      | 0   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 9.3         | 93       | 9.5         | 95       | 2   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 10.0        | 100      | 10          | 100      | 0   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 9.4         | 94       | 9.5         | 95       | 1   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 9.8         | 98       | 10          | 100      | 2   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 9.8         | 98       | 10.0        | 100      | 2   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 9.3         | 93       | 9.4         | 94       | 1   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.5         | 95       | 9.5         | 95       | 0   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 9.3         | 93       | 9.4         | 94       | 1   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 10.3        | 103      | 10.1        | 101      | 2   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
|           | m,p-Xylene                | 20            | 19.2        | 96       | 19.6        | 98       | 2   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.1         | 91       | 9.1         | 91       | 0   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 28.3        | 94       | 28.7        | 96       | 1   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1625-BS  | 5W39940.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |
| V5W1625-BSD | 5W39941.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples: Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 109% | 65-128% |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W645-BS  | 6W15502.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |
| V6W645-BSD | 6W15503.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 7.8         | 78       | 8.0         | 80       | 3   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 11.4        | 114      | 12.0        | 120      | 5   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 7.8         | 78       | 7.9         | 79       | 1   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 10.6        | 106      | 10.9        | 109      | 3   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.2        | 102      | 10.8        | 108      | 6   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 11.6        | 116      | 12.2        | 122      | 5   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 10.7        | 107      | 10.9        | 109      | 2   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 10.4        | 104      | 11.0        | 110      | 6   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 8.7         | 87       | 8.7         | 87       | 0   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 8.1         | 81       | 8.5         | 85       | 5   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 11.5        | 115      | 12.0        | 120      | 4   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 10.4        | 104      | 10.5        | 105      | 1   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 11.3        | 113      | 11.7        | 117      | 3   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 9.2         | 92       | 9.2         | 92       | 0   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 9.4         | 94       | 9.8         | 98       | 4   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 11.7        | 117      | 12.2        | 122      | 4   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 8.0         | 80       | 8.0         | 80       | 0   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 8.5         | 85       | 8.7         | 87       | 2   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 10.3        | 103      | 10.4        | 104      | 1   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 9.1         | 91       | 9.5         | 95       | 4   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 11.7        | 117      | 12.1        | 121      | 3   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 7.8         | 78       | 7.8         | 78       | 0   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 7.5         | 75       | 7.7         | 77       | 3   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 12.5        | 125      | 13.2        | 132* a   | 5   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 10.9        | 109      | 11.3        | 113      | 4   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 9.5         | 95       | 9.7         | 97       | 2   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 9.4         | 94       | 9.6         | 96       | 2   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 9.0         | 90       | 9.3         | 93       | 3   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 10.0        | 100      | 10.6        | 106      | 6   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 10.5        | 105      | 11.3        | 113      | 7   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 9.9         | 99       | 10.4        | 104      | 5   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 9.8         | 98       | 10.3        | 103      | 5   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 11.4        | 114      | 11.6        | 116      | 2   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 8.0         | 80       | 8.4         | 84       | 5   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 8.4         | 84       | 8.4         | 84       | 0   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 9.5         | 95       | 10.0        | 100      | 5   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W645-BS  | 6W15502.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |
| V6W645-BSD | 6W15503.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 12.3        | 123      | 13.0        | 130      | 6   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 8.7         | 87       | 8.7         | 87       | 0   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 10.9        | 109      | 12.1        | 121      | 10  | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 8.1         | 81       | 8.2         | 82       | 1   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 7.2         | 72       | 7.4         | 74       | 3   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.0         | 80       | 8.3         | 83       | 4   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 7.9         | 79       | 8.0         | 80       | 1   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 8.2         | 82       | 8.4         | 84       | 2   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 8.6         | 86       | 8.6         | 86       | 0   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 9.8         | 98       | 10.1        | 101      | 3   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 8.8         | 88       | 9.0         | 90       | 2   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 8.3         | 83       | 8.7         | 87       | 5   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 9.0         | 90       | 9.4         | 94       | 4   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 11.2        | 112      | 11.7        | 117      | 4   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 8.4         | 84       | 8.7         | 87       | 4   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 8.8         | 88       | 9.1         | 91       | 3   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 10.4        | 104      | 11.4        | 114      | 9   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 10.5        | 105      | 11.0        | 110      | 5   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 9.8         | 98       | 10.4        | 104      | 6   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 8.2         | 82       | 8.2         | 82       | 0   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 10.3        | 103      | 10.4        | 104      | 1   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 9.4         | 94       | 9.9         | 99       | 5   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 8.6         | 86       | 8.6         | 86       | 0   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 8.1         | 81       | 8.5         | 85       | 5   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.0         | 90       | 9.3         | 93       | 3   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 12.8        | 128      | 13.5        | 135* a   | 5   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 11.3        | 113      | 12.1        | 121      | 7   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 8.1         | 81       | 8.1         | 81       | 0   | 70-130/30         |
|           | m,p-Xylene                | 20            | 17.8        | 89       | 18.7        | 94       | 5   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 8.6         | 86       | 9.1         | 91       | 6   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 26.4        | 88       | 27.8        | 93       | 5   | 70-130/30         |

\* = Outside of Control Limits.

## Blank Spike/Blank Spike Duplicate Summary

Page 3 of 3

**Job Number:** JD743

**Account:** AGMNYM Arcadis

**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W645-BS  | 6W15502.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |
| V6W645-BSD | 6W15503.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

**The QC reported here applies to the following samples:**

**Method:** TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 110% | 110% | 65-128% |

(a) High percent recoveries and no associated positive reported in the QC batch.

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1626-BS  | 5W39966.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |
| V5W1626-BSD | 5W39967.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 9.4         | 94       | 9.5         | 95       | 1   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 10.5        | 105      | 10.4        | 104      | 1   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 10          | 100      | 10.1        | 101      | 1   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 10.2        | 102      | 10.3        | 103      | 1   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.2        | 102      | 10.4        | 104      | 2   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 9.5         | 95       | 9.5         | 95       | 0   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 10.1        | 101      | 10.1        | 101      | 0   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 11.7        | 117      | 12.0        | 120      | 3   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 10.6        | 106      | 10.7        | 107      | 1   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 10.4        | 104      | 10.2        | 102      | 2   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 9.8         | 98       | 9.8         | 98       | 0   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 10          | 100      | 9.8         | 98       | 2   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 10.5        | 105      | 10.5        | 105      | 0   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10.4        | 104      | 10.5        | 105      | 1   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 9.9         | 99       | 10.1        | 101      | 2   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 10.4        | 104      | 10.4        | 104      | 0   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 10.1        | 101      | 10.0        | 100      | 1   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 10.1        | 101      | 10.2        | 102      | 1   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 10          | 100      | 10.1        | 101      | 1   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 10          | 100      | 9.9         | 99       | 1   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 10.4        | 104      | 10.6        | 106      | 2   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 10.1        | 101      | 10.1        | 101      | 0   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 9.8         | 98       | 9.8         | 98       | 0   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 11.2        | 112      | 11.3        | 113      | 1   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 10.2        | 102      | 10.1        | 101      | 1   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 10.2        | 102      | 10.2        | 102      | 0   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 10.6        | 106      | 10.7        | 107      | 1   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 11.0        | 110      | 11.2        | 112      | 2   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 10.5        | 105      | 10.7        | 107      | 2   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 10.9        | 109      | 11.1        | 111      | 2   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 10.1        | 101      | 10.3        | 103      | 2   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 9.2         | 92       | 9.0         | 90       | 2   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.7         | 97       | 9.9         | 99       | 2   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 10.4        | 104      | 10.5        | 105      | 1   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 11.3        | 113      | 11.5        | 115      | 2   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1626-BS  | 5W39966.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |
| V5W1626-BSD | 5W39967.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 9.7         | 97       | 9.7         | 97       | 0   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 9.8         | 98       | 9.7         | 97       | 1   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 10.8        | 108      | 10.9        | 109      | 1   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 9.4         | 94       | 9.6         | 96       | 2   | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 10.5        | 105      | 10.4        | 104      | 1   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 11.4        | 114      | 11.5        | 115      | 1   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.7         | 87       | 8.8         | 88       | 1   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 9.5         | 95       | 9.6         | 96       | 1   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 9.9         | 99       | 9.9         | 99       | 0   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 10.6        | 106      | 10.5        | 105      | 1   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 9.9         | 99       | 9.9         | 99       | 0   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 10.7        | 107      | 10.6        | 106      | 1   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 10.1        | 101      | 10.1        | 101      | 0   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 11.0        | 110      | 11.4        | 114      | 4   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 9.5         | 95       | 9.6         | 96       | 1   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 9.2         | 92       | 9.3         | 93       | 1   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 10.7        | 107      | 10.8        | 108      | 1   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 9.8         | 98       | 10.8        | 108      | 10  | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 10.4        | 104      | 10.4        | 104      | 0   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 9.5         | 95       | 9.7         | 97       | 2   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 10.4        | 104      | 10.3        | 103      | 1   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 9.8         | 98       | 9.9         | 99       | 1   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 10.0        | 100      | 10.1        | 101      | 1   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 10.1        | 101      | 10.4        | 104      | 3   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.6         | 96       | 9.6         | 96       | 0   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 9.6         | 96       | 9.7         | 97       | 1   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 10.4        | 104      | 10.3        | 103      | 1   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 10.2        | 102      | 10.1        | 101      | 1   | 70-130/30         |
|           | m,p-Xylene                | 20            | 19.7        | 99       | 20.0        | 100      | 2   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.3         | 93       | 9.3         | 93       | 0   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 28.9        | 96       | 29.3        | 98       | 1   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| V5W1626-BS  | 5W39966.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |
| V5W1626-BSD | 5W39967.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples: Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 108% | 108% | 65-128% |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W646-BS  | 6W15531.D | 1  | 01/02/20 | TCH | n/a       | n/a        | V6W646           |
| V6W646-BSD | 6W15532.D | 1  | 01/02/20 | TCH | n/a       | n/a        | V6W646           |

The QC reported here applies to the following samples: Method: TO-15

JD743-8

| CAS No. | Compound | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|---------|----------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1 | Acetone  | 10            | 7.0         | 70       | 7.0         | 70       | 0   | 70-130/30         |

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 112% | 117% | 65-128% |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

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**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-BS  | 6W14959.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |
| V6W623-BSD | 6W14960.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here applies to the following samples:

Method: TO-15

V6W623-SCC

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 8.4         | 84       | 8.1         | 81       | 4   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 11.8        | 118      | 11.8        | 118      | 0   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 9.8         | 98       | 9.5         | 95       | 3   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 11.9        | 119      | 11.1        | 111      | 7   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.9        | 109      | 11.0        | 110      | 1   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 12.0        | 120      | 11.7        | 117      | 3   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 10.8        | 108      | 10.5        | 105      | 3   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 10.6        | 106      | 10.7        | 107      | 1   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 10.0        | 100      | 9.8         | 98       | 2   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 9.7         | 97       | 9.8         | 98       | 1   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 12.0        | 120      | 12.0        | 120      | 0   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 11.3        | 113      | 10.9        | 109      | 4   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 12.1        | 121      | 11.9        | 119      | 2   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 10.6        | 106      | 10.4        | 104      | 2   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10.7        | 107      | 10.8        | 108      | 1   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 12.2        | 122      | 11.8        | 118      | 3   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 10.2        | 102      | 9.9         | 99       | 3   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 10.1        | 101      | 9.8         | 98       | 3   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 10.4        | 104      | 10.2        | 102      | 2   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 10.9        | 109      | 10.0        | 100      | 9   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 11.8        | 118      | 11.5        | 115      | 3   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 10.4        | 104      | 9.7         | 97       | 7   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 9.0         | 90       | 8.5         | 85       | 6   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 12.0        | 120      | 11.6        | 116      | 3   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 12.2        | 122      | 11.3        | 113      | 8   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 10.8        | 108      | 10.5        | 105      | 3   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 10.9        | 109      | 10.6        | 106      | 3   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 11.1        | 111      | 10.3        | 103      | 7   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 10.8        | 108      | 10.8        | 108      | 0   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 11.1        | 111      | 11.2        | 112      | 1   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 10.6        | 106      | 10.6        | 106      | 0   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 11.3        | 113      | 10.4        | 104      | 8   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 11.8        | 118      | 11.6        | 116      | 2   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.5         | 95       | 9.6         | 96       | 1   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 10.4        | 104      | 10.1        | 101      | 3   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 10.6        | 106      | 10.7        | 107      | 1   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-BS  | 6W14959.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |
| V6W623-BSD | 6W14960.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here applies to the following samples:

Method: TO-15

V6W623-SCC

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 10.5        | 105      | 10.3        | 103      | 2   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 12.2        | 122      | 11.9        | 119      | 2   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 11.0        | 110      | 10.3        | 103      | 7   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 9.1         | 91       | 9.6         | 96       | 5   | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 10.2        | 102      | 9.9         | 99       | 3   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 9.2         | 92       | 8.4         | 84       | 9   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.2         | 82       | 8.1         | 81       | 1   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 8.8         | 88       | 8.6         | 86       | 2   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 10.1        | 101      | 10          | 100      | 1   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 11.0        | 110      | 10.1        | 101      | 9   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 10.9        | 109      | 10.6        | 106      | 3   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 11.1        | 111      | 10.3        | 103      | 7   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 10.3        | 103      | 10.1        | 101      | 2   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 10.6        | 106      | 10.7        | 107      | 1   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 11.7        | 117      | 11.4        | 114      | 3   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 9.9         | 99       | 10          | 100      | 1   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 11.0        | 110      | 10.2        | 102      | 8   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 9.1         | 91       | 9.1         | 91       | 0   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 11.1        | 111      | 11.1        | 111      | 0   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 10.6        | 106      | 10.8        | 108      | 2   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 10.6        | 106      | 9.8         | 98       | 8   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 10.3        | 103      | 10.1        | 101      | 2   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 11.5        | 115      | 10.6        | 106      | 8   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 10.6        | 106      | 10.4        | 104      | 2   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 10.5        | 105      | 9.7         | 97       | 8   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 10.8        | 108      | 9.9         | 99       | 9   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 11.8        | 118      | 11.4        | 114      | 3   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 12.0        | 120      | 11.8        | 118      | 2   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 9.8         | 98       | 9.5         | 95       | 3   | 70-130/30         |
|           | m,p-Xylene                | 20            | 20.2        | 101      | 20.3        | 102      | 0   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.7         | 97       | 9.8         | 98       | 1   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 29.9        | 100      | 30.0        | 100      | 0   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-BS  | 6W14959.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |
| V6W623-BSD | 6W14960.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here applies to the following samples: Method: TO-15

V6W623-SCC

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 104% | 65-128% |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

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**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-BS  | 6W14983.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |
| V6W624-BSD | 6W14984.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here applies to the following samples:

Method: TO-15

V6W624-SCC

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 8.3         | 83       | 8.2         | 82       | 1   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 11.5        | 115      | 11.5        | 115      | 0   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 9.5         | 95       | 9.3         | 93       | 2   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 11.0        | 110      | 10.7        | 107      | 3   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.4        | 104      | 10.2        | 102      | 2   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 11.5        | 115      | 11.4        | 114      | 1   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 10.4        | 104      | 10.3        | 103      | 1   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 9.6         | 96       | 9.5         | 95       | 1   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 9.7         | 97       | 9.4         | 94       | 3   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 9.2         | 92       | 9.2         | 92       | 0   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 11.7        | 117      | 11.6        | 116      | 1   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 10.8        | 108      | 10.5        | 105      | 3   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 11.5        | 115      | 11.6        | 116      | 1   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 10.2        | 102      | 9.8         | 98       | 4   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10.0        | 100      | 9.8         | 98       | 2   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 11.6        | 116      | 11.2        | 112      | 4   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 9.9         | 99       | 9.6         | 96       | 3   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 9.7         | 97       | 9.5         | 95       | 2   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 10          | 100      | 9.8         | 98       | 2   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 9.9         | 99       | 9.7         | 97       | 2   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 11.4        | 114      | 11.0        | 110      | 4   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 9.7         | 97       | 9.5         | 95       | 2   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 8.3         | 83       | 8.2         | 82       | 1   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 11.2        | 112      | 11.2        | 112      | 0   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 11.1        | 111      | 10.8        | 108      | 3   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 10.3        | 103      | 10.0        | 100      | 3   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 10.4        | 104      | 10.2        | 102      | 2   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 10.2        | 102      | 9.9         | 99       | 3   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 9.5         | 95       | 9.4         | 94       | 1   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 10          | 100      | 10.0        | 100      | 0   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 9.1         | 91       | 9.1         | 91       | 0   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 10.3        | 103      | 10.1        | 101      | 2   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 11.6        | 116      | 11.5        | 115      | 1   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.1         | 91       | 9.0         | 90       | 1   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 10.2        | 102      | 9.8         | 98       | 4   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 9.7         | 97       | 9.7         | 97       | 0   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-BS  | 6W14983.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |
| V6W624-BSD | 6W14984.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here applies to the following samples:

Method: TO-15

V6W624-SCC

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 10.0        | 100      | 9.7         | 97       | 3   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 11.5        | 115      | 11.4        | 114      | 1   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 10.2        | 102      | 9.9         | 99       | 3   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 8.2         | 82       | 8.5         | 85       | 4   | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 9.9         | 99       | 9.7         | 97       | 2   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 8.4         | 84       | 8.2         | 82       | 2   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.0         | 80       | 7.9         | 79       | 1   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 8.5         | 85       | 8.2         | 82       | 4   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 9.8         | 98       | 9.6         | 96       | 2   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 10.1        | 101      | 9.9         | 99       | 2   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 10.4        | 104      | 10.1        | 101      | 3   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 10.3        | 103      | 10.0        | 100      | 3   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 9.8         | 98       | 9.8         | 98       | 0   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 10.1        | 101      | 9.9         | 99       | 2   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 11.2        | 112      | 10.9        | 109      | 3   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 9.3         | 93       | 9.2         | 92       | 1   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 10.0        | 100      | 9.8         | 98       | 2   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 8.4         | 84       | 8.2         | 82       | 2   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 10.2        | 102      | 10.2        | 102      | 0   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 9.8         | 98       | 9.8         | 98       | 0   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 9.8         | 98       | 9.6         | 96       | 2   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 9.9         | 99       | 9.7         | 97       | 2   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 10.4        | 104      | 10.1        | 101      | 3   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 10.3        | 103      | 10.0        | 100      | 3   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 9.6         | 96       | 9.3         | 93       | 3   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.8         | 98       | 9.7         | 97       | 1   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 11.1        | 111      | 10.9        | 109      | 2   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 11.4        | 114      | 11.5        | 115      | 1   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 9.5         | 95       | 9.3         | 93       | 2   | 70-130/30         |
|           | m,p-Xylene                | 20            | 19.2        | 96       | 19.0        | 95       | 1   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.2         | 92       | 9.1         | 91       | 1   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 28.5        | 95       | 28.1        | 94       | 1   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-BS  | 6W14983.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |
| V6W624-BSD | 6W14984.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here applies to the following samples: Method: TO-15

V6W624-SCC

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 104% | 106% | 65-128% |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-BS  | 6W15010.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |
| V6W625-BSD | 6W15011.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here applies to the following samples:

Method: TO-15

V6W625-SCC

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 7.7         | 77       | 7.5         | 75       | 3   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 10.6        | 106      | 10.5        | 105      | 1   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 8.9         | 89       | 8.6         | 86       | 3   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 10.5        | 105      | 10.1        | 101      | 4   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.3        | 103      | 9.5         | 95       | 8   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 10.7        | 107      | 10.5        | 105      | 2   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 9.8         | 98       | 9.5         | 95       | 3   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 9.8         | 98       | 9.0         | 90       | 9   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 9.2         | 92       | 8.8         | 88       | 4   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 9.2         | 92       | 8.5         | 85       | 8   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 10.8        | 108      | 10.6        | 106      | 2   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 10.2        | 102      | 10          | 100      | 2   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 11.3        | 113      | 11.1        | 111      | 2   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 9.6         | 96       | 9.4         | 94       | 2   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10          | 100      | 9.2         | 92       | 8   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 11.1        | 111      | 10.7        | 107      | 4   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 9.2         | 92       | 8.9         | 89       | 3   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 9.2         | 92       | 8.9         | 89       | 3   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 9.5         | 95       | 9.3         | 93       | 2   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 9.3         | 93       | 9.0         | 90       | 3   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 10.9        | 109      | 10.5        | 105      | 4   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 9.0         | 90       | 8.7         | 87       | 3   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 7.9         | 79       | 7.6         | 76       | 4   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 10.7        | 107      | 10.5        | 105      | 2   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 10.6        | 106      | 10.1        | 101      | 5   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 9.8         | 98       | 9.5         | 95       | 3   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 9.9         | 99       | 9.5         | 95       | 4   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 9.6         | 96       | 9.2         | 92       | 4   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 10          | 100      | 9.2         | 92       | 8   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 10.3        | 103      | 9.5         | 95       | 8   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 9.8         | 98       | 9.2         | 92       | 6   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 9.6         | 96       | 9.4         | 94       | 2   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 10.9        | 109      | 10.7        | 107      | 2   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.1         | 91       | 8.4         | 84       | 8   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 9.4         | 94       | 9.1         | 91       | 3   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 9.9         | 99       | 9.2         | 92       | 7   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-BS  | 6W15010.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |
| V6W625-BSD | 6W15011.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here applies to the following samples:

Method: TO-15

V6W625-SCC

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 9.6         | 96       | 9.3         | 93       | 3   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 10.8        | 108      | 10.6        | 106      | 2   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 9.5         | 95       | 9.2         | 92       | 3   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 8.6         | 86       | 7.8         | 78       | 10  | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 9.2         | 92       | 8.9         | 89       | 3   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 7.7         | 77       | 7.5         | 75       | 3   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 7.5         | 75       | 7.4         | 74       | 1   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 8.1         | 81       | 8.0         | 80       | 1   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 9.1         | 91       | 8.9         | 89       | 2   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 9.4         | 94       | 9.0         | 90       | 4   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 9.9         | 99       | 9.6         | 96       | 3   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 9.7         | 97       | 9.3         | 93       | 4   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 9.0         | 90       | 8.8         | 88       | 2   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 10          | 100      | 9.3         | 93       | 7   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 10.8        | 108      | 10.4        | 104      | 4   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 9.3         | 93       | 8.5         | 85       | 9   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 9.5         | 95       | 9.2         | 92       | 3   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 8.3         | 83       | 7.7         | 77       | 8   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 10.3        | 103      | 9.5         | 95       | 8   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 9.9         | 99       | 9.1         | 91       | 8   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 9.2         | 92       | 8.8         | 88       | 4   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 9.5         | 95       | 9.2         | 92       | 3   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 9.9         | 99       | 9.5         | 95       | 4   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 9.6         | 96       | 9.3         | 93       | 3   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 9.1         | 91       | 8.7         | 87       | 4   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.3         | 93       | 9.0         | 90       | 3   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 10.7        | 107      | 10.4        | 104      | 3   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 10.7        | 107      | 10.5        | 105      | 2   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 8.7         | 87       | 8.4         | 84       | 4   | 70-130/30         |
|           | m,p-Xylene                | 20            | 19.1        | 96       | 17.8        | 89       | 7   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.2         | 92       | 8.5         | 85       | 8   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 28.4        | 95       | 26.3        | 88       | 8   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-BS  | 6W15010.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |
| V6W625-BSD | 6W15011.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here applies to the following samples: Method: TO-15

V6W625-SCC

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 104% | 105% | 65-128% |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

**Job Number:** JD743

**Account:** AGMNYM Arcadis

**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-BS  | 6W15061.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |
| V6W627-BSD | 6W15062.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here applies to the following samples:

Method: TO-15

V6W627-SCC

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 8.4         | 84       | 8.7         | 87       | 4   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 11.4        | 114      | 12.1        | 121      | 6   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 9.0         | 90       | 9.4         | 94       | 4   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 10.9        | 109      | 12.1        | 121      | 10  | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.6        | 106      | 11.4        | 114      | 7   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 11.2        | 112      | 11.7        | 117      | 4   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 10.1        | 101      | 10.4        | 104      | 3   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 9.6         | 96       | 10.7        | 107      | 11  | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 9.5         | 95       | 9.9         | 99       | 4   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 8.9         | 89       | 9.6         | 96       | 8   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 11.7        | 117      | 12.2        | 122      | 4   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 10.4        | 104      | 10.9        | 109      | 5   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 11.5        | 115      | 12.1        | 121      | 5   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 10          | 100      | 10.4        | 104      | 4   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10.2        | 102      | 11.0        | 110      | 8   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 11.2        | 112      | 11.6        | 116      | 4   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 9.4         | 94       | 9.9         | 99       | 5   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 9.5         | 95       | 9.9         | 99       | 4   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 10.0        | 100      | 10.5        | 105      | 5   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 9.5         | 95       | 10.6        | 106      | 11  | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 11.1        | 111      | 11.5        | 115      | 4   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 9.5         | 95       | 10.5        | 105      | 10  | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 8.6         | 86       | 9.6         | 96       | 11  | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 11.1        | 111      | 11.6        | 116      | 4   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 11.0        | 110      | 12.2        | 122      | 10  | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 10.1        | 101      | 10.5        | 105      | 4   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 10.1        | 101      | 10.6        | 106      | 5   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 9.9         | 99       | 11.0        | 110      | 11  | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 10          | 100      | 10.7        | 107      | 7   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 11.0        | 110      | 12.0        | 120      | 9   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 9.3         | 93       | 10.1        | 101      | 8   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 9.7         | 97       | 10.7        | 107      | 10  | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 12.2        | 122      | 12.6        | 126      | 3   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.0         | 90       | 9.7         | 97       | 7   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 10.0        | 100      | 10.3        | 103      | 3   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 10.2        | 102      | 10.9        | 109      | 7   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-BS  | 6W15061.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |
| V6W627-BSD | 6W15062.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here applies to the following samples:

Method: TO-15

V6W627-SCC

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 9.8         | 98       | 10.2        | 102      | 4   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 11.3        | 113      | 11.9        | 119      | 5   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 9.8         | 98       | 11.0        | 110      | 12  | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 11.0        | 110      | 12.2        | 122      | 10  | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 9.6         | 96       | 10          | 100      | 4   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 8.5         | 85       | 9.4         | 94       | 10  | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.5         | 85       | 8.8         | 88       | 3   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 8.4         | 84       | 8.8         | 88       | 5   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 9.7         | 97       | 10.2        | 102      | 5   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 10.2        | 102      | 11.4        | 114      | 11  | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 10.1        | 101      | 10.6        | 106      | 5   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 10.2        | 102      | 11.2        | 112      | 9   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 9.7         | 97       | 10.3        | 103      | 6   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 9.7         | 97       | 10.4        | 104      | 7   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 10.9        | 109      | 11.3        | 113      | 4   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 9.9         | 99       | 10.7        | 107      | 8   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 9.9         | 99       | 10.9        | 109      | 10  | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 8.9         | 89       | 9.9         | 99       | 11  | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 11.0        | 110      | 11.9        | 119      | 8   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 10.5        | 105      | 11.1        | 111      | 6   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 9.6         | 96       | 10.6        | 106      | 10  | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 10.2        | 102      | 10.6        | 106      | 4   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 10          | 100      | 11.0        | 110      | 10  | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 10.2        | 102      | 10.5        | 105      | 3   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 9.2         | 92       | 10.3        | 103      | 11  | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.9         | 99       | 11.0        | 110      | 11  | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 11.0        | 110      | 11.5        | 115      | 4   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 11.3        | 113      | 12.0        | 120      | 6   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 9.3         | 93       | 9.7         | 97       | 4   | 70-130/30         |
|           | m,p-Xylene                | 20            | 19.0        | 95       | 20.6        | 103      | 8   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.3         | 93       | 10          | 100      | 7   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 28.3        | 94       | 30.6        | 102      | 8   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-BS  | 6W15061.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |
| V6W627-BSD | 6W15062.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here applies to the following samples: Method: TO-15

V6W627-SCC

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 104% | 106% | 65-128% |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-BS  | 6W15085.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |
| V6W628-BSD | 6W15086.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here applies to the following samples:

Method: TO-15

V6W628-SCC

| CAS No.    | Compound                   | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|----------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 67-64-1    | Acetone                    | 10            | 8.5         | 85       | 8.4         | 84       | 1   | 70-130/30         |
| 106-99-0   | 1,3-Butadiene              | 10            | 11.8        | 118      | 11.6        | 116      | 2   | 70-130/30         |
| 71-43-2    | Benzene                    | 10            | 8.9         | 89       | 8.9         | 89       | 0   | 70-130/30         |
| 75-27-4    | Bromodichloromethane       | 10            | 10.9        | 109      | 10.7        | 107      | 2   | 70-130/30         |
| 75-25-2    | Bromoform                  | 10            | 10.8        | 108      | 10.7        | 107      | 1   | 70-130/30         |
| 74-83-9    | Bromomethane               | 10            | 11.3        | 113      | 11.1        | 111      | 2   | 70-130/30         |
| 593-60-2   | Bromoethene                | 10            | 10.1        | 101      | 10          | 100      | 1   | 70-130/30         |
| 100-44-7   | Benzyl Chloride            | 10            | 9.8         | 98       | 9.9         | 99       | 1   | 70-130/30         |
| 75-15-0    | Carbon disulfide           | 10            | 9.5         | 95       | 9.4         | 94       | 1   | 70-130/30         |
| 108-90-7   | Chlorobenzene              | 10            | 9.1         | 91       | 9.1         | 91       | 0   | 70-130/30         |
| 75-00-3    | Chloroethane               | 10            | 11.7        | 117      | 11.7        | 117      | 0   | 70-130/30         |
| 67-66-3    | Chloroform                 | 10            | 10.5        | 105      | 10.2        | 102      | 3   | 70-130/30         |
| 74-87-3    | Chloromethane              | 10            | 11.9        | 119      | 11.7        | 117      | 2   | 70-130/30         |
| 107-05-1   | 3-Chloropropene            | 10            | 9.9         | 99       | 9.9         | 99       | 0   | 70-130/30         |
| 95-49-8    | 2-Chlorotoluene            | 10            | 10.5        | 105      | 10.3        | 103      | 2   | 70-130/30         |
| 56-23-5    | Carbon tetrachloride       | 10            | 11.2        | 112      | 10.9        | 109      | 3   | 70-130/30         |
| 110-82-7   | Cyclohexane                | 10            | 9.4         | 94       | 9.4         | 94       | 0   | 70-130/30         |
| 75-34-3    | 1,1-Dichloroethane         | 10            | 9.6         | 96       | 9.5         | 95       | 1   | 70-130/30         |
| 75-35-4    | 1,1-Dichloroethylene       | 10            | 10.1        | 101      | 9.9         | 99       | 2   | 70-130/30         |
| 106-93-4   | 1,2-Dibromoethane          | 10            | 9.5         | 95       | 9.2         | 92       | 3   | 70-130/30         |
| 107-06-2   | 1,2-Dichloroethane         | 10            | 11.2        | 112      | 10.9        | 109      | 3   | 70-130/30         |
| 78-87-5    | 1,2-Dichloropropane        | 10            | 9.5         | 95       | 9.4         | 94       | 1   | 70-130/30         |
| 123-91-1   | 1,4-Dioxane                | 10            | 8.3         | 83       | 8.3         | 83       | 0   | 70-130/30         |
| 75-71-8    | Dichlorodifluoromethane    | 10            | 11.3        | 113      | 11.1        | 111      | 2   | 70-130/30         |
| 124-48-1   | Dibromochloromethane       | 10            | 11.0        | 110      | 10.7        | 107      | 3   | 70-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene | 10            | 10.2        | 102      | 10          | 100      | 2   | 70-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene   | 10            | 10.1        | 101      | 10          | 100      | 1   | 70-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene    | 10            | 9.9         | 99       | 9.6         | 96       | 3   | 70-130/30         |
| 541-73-1   | m-Dichlorobenzene          | 10            | 10.2        | 102      | 10.1        | 101      | 1   | 70-130/30         |
| 95-50-1    | o-Dichlorobenzene          | 10            | 11.3        | 113      | 11.1        | 111      | 2   | 70-130/30         |
| 106-46-7   | p-Dichlorobenzene          | 10            | 9.5         | 95       | 9.4         | 94       | 1   | 70-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene  | 10            | 9.7         | 97       | 9.3         | 93       | 4   | 70-130/30         |
| 64-17-5    | Ethanol                    | 10            | 12.6        | 126      | 12.2        | 122      | 3   | 70-130/30         |
| 100-41-4   | Ethylbenzene               | 10            | 9.2         | 92       | 9.2         | 92       | 0   | 70-130/30         |
| 141-78-6   | Ethyl Acetate              | 10            | 9.9         | 99       | 9.8         | 98       | 1   | 70-130/30         |
| 622-96-8   | 4-Ethyltoluene             | 10            | 10.5        | 105      | 10.4        | 104      | 1   | 70-130/30         |

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-BS  | 6W15085.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |
| V6W628-BSD | 6W15086.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here applies to the following samples:

Method: TO-15

V6W628-SCC

| CAS No.   | Compound                  | Spike<br>ppbv | BSP<br>ppbv | BSP<br>% | BSD<br>ppbv | BSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 76-13-1   | Freon 113                 | 10            | 9.7         | 97       | 9.6         | 96       | 1   | 70-130/30         |
| 76-14-2   | Freon 114                 | 10            | 11.5        | 115      | 11.3        | 113      | 2   | 70-130/30         |
| 142-82-5  | Heptane                   | 10            | 9.8         | 98       | 9.7         | 97       | 1   | 70-130/30         |
| 87-68-3   | Hexachlorobutadiene       | 10            | 11.6        | 116      | 11.4        | 114      | 2   | 70-130/30         |
| 110-54-3  | Hexane                    | 10            | 9.7         | 97       | 9.6         | 96       | 1   | 70-130/30         |
| 591-78-6  | 2-Hexanone                | 10            | 8.4         | 84       | 8.2         | 82       | 2   | 70-130/30         |
| 67-63-0   | Isopropyl Alcohol         | 10            | 8.6         | 86       | 8.5         | 85       | 1   | 70-130/30         |
| 75-09-2   | Methylene chloride        | 10            | 8.4         | 84       | 8.4         | 84       | 0   | 70-130/30         |
| 78-93-3   | Methyl ethyl ketone       | 10            | 9.7         | 97       | 9.6         | 96       | 1   | 70-130/30         |
| 108-10-1  | Methyl Isobutyl Ketone    | 10            | 10.1        | 101      | 10.0        | 100      | 1   | 70-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | 10            | 10          | 100      | 9.9         | 99       | 1   | 70-130/30         |
| 80-62-6   | Methylmethacrylate        | 10            | 10.1        | 101      | 9.9         | 99       | 2   | 70-130/30         |
| 115-07-1  | Propylene                 | 10            | 10.1        | 101      | 10.0        | 100      | 1   | 70-130/30         |
| 100-42-5  | Styrene                   | 10            | 9.8         | 98       | 9.7         | 97       | 1   | 70-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | 10            | 10.9        | 109      | 10.6        | 106      | 3   | 70-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 10            | 10.2        | 102      | 10.2        | 102      | 0   | 70-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | 10            | 9.8         | 98       | 9.7         | 97       | 1   | 70-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 10            | 9.2         | 92       | 9.0         | 90       | 2   | 70-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 10            | 11.4        | 114      | 11.3        | 113      | 1   | 70-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 10            | 10.7        | 107      | 10.5        | 105      | 2   | 70-130/30         |
| 540-84-1  | 2,2,4-Trimethylpentane    | 10            | 9.6         | 96       | 9.5         | 95       | 1   | 70-130/30         |
| 75-65-0   | Tertiary Butyl Alcohol    | 10            | 10.1        | 101      | 10.1        | 101      | 0   | 70-130/30         |
| 127-18-4  | Tetrachloroethylene       | 10            | 9.9         | 99       | 9.7         | 97       | 2   | 70-130/30         |
| 109-99-9  | Tetrahydrofuran           | 10            | 10          | 100      | 9.9         | 99       | 1   | 70-130/30         |
| 108-88-3  | Toluene                   | 10            | 9.2         | 92       | 9.0         | 90       | 2   | 70-130/30         |
| 79-01-6   | Trichloroethylene         | 10            | 9.8         | 98       | 9.7         | 97       | 1   | 70-130/30         |
| 75-69-4   | Trichlorofluoromethane    | 10            | 11.1        | 111      | 10.9        | 109      | 2   | 70-130/30         |
| 75-01-4   | Vinyl chloride            | 10            | 11.5        | 115      | 11.5        | 115      | 0   | 70-130/30         |
| 108-05-4  | Vinyl Acetate             | 10            | 9.4         | 94       | 9.3         | 93       | 1   | 70-130/30         |
|           | m,p-Xylene                | 20            | 19.4        | 97       | 19.5        | 98       | 1   | 70-130/30         |
| 95-47-6   | o-Xylene                  | 10            | 9.6         | 96       | 9.6         | 96       | 0   | 70-130/30         |
| 1330-20-7 | Xylenes (total)           | 30            | 29.0        | 97       | 29.1        | 97       | 0   | 70-130/30         |

\* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-BS  | 6W15085.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |
| V6W628-BSD | 6W15086.D | 1  | 12/05/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here applies to the following samples: Method: TO-15

V6W628-SCC

| CAS No.  | Surrogate Recoveries | BSP  | BSD  | Limits  |
|----------|----------------------|------|------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 104% | 103% | 65-128% |

\* = Outside of Control Limits.

## Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-2DUP | 6W15510.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |
| JD743-2    | 6W15509.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.    | Compound                   | JD743-2<br>ppbv | Q | DUP<br>ppbv | Q | RPD | Limits |
|------------|----------------------------|-----------------|---|-------------|---|-----|--------|
| 67-64-1    | Acetone                    | 77.2            |   | 77.3        |   | 0   | 25     |
| 106-99-0   | 1,3-Butadiene              | ND              |   | ND          |   | nc  | 25     |
| 71-43-2    | Benzene                    | ND              |   | ND          |   | nc  | 25     |
| 75-27-4    | Bromodichloromethane       | ND              |   | ND          |   | nc  | 25     |
| 75-25-2    | Bromoform                  | ND              |   | ND          |   | nc  | 25     |
| 74-83-9    | Bromomethane               | ND              |   | ND          |   | nc  | 25     |
| 593-60-2   | Bromoethene                | ND              |   | ND          |   | nc  | 25     |
| 100-44-7   | Benzyl Chloride            | ND              |   | ND          |   | nc  | 25     |
| 75-15-0    | Carbon disulfide           | 0.81            |   | 0.82        |   | 1   | 25     |
| 108-90-7   | Chlorobenzene              | ND              |   | ND          |   | nc  | 25     |
| 75-00-3    | Chloroethane               | ND              |   | ND          |   | nc  | 25     |
| 67-66-3    | Chloroform                 | 0.72            | J | 0.72        | J | 0   | 25     |
| 74-87-3    | Chloromethane              | ND              |   | ND          |   | nc  | 25     |
| 107-05-1   | 3-Chloropropene            | ND              |   | ND          |   | nc  | 25     |
| 95-49-8    | 2-Chlorotoluene            | ND              |   | ND          |   | nc  | 25     |
| 56-23-5    | Carbon tetrachloride       | ND              |   | ND          |   | nc  | 25     |
| 110-82-7   | Cyclohexane                | 0.72            | J | 0.71        | J | 1   | 25     |
| 75-34-3    | 1,1-Dichloroethane         | ND              |   | ND          |   | nc  | 25     |
| 75-35-4    | 1,1-Dichloroethylene       | ND              |   | ND          |   | nc  | 25     |
| 106-93-4   | 1,2-Dibromoethane          | ND              |   | ND          |   | nc  | 25     |
| 107-06-2   | 1,2-Dichloroethane         | ND              |   | ND          |   | nc  | 25     |
| 78-87-5    | 1,2-Dichloropropane        | ND              |   | ND          |   | nc  | 25     |
| 123-91-1   | 1,4-Dioxane                | ND              |   | ND          |   | nc  | 25     |
| 75-71-8    | Dichlorodifluoromethane    | ND              |   | ND          |   | nc  | 25     |
| 124-48-1   | Dibromochloromethane       | ND              |   | ND          |   | nc  | 25     |
| 156-60-5   | trans-1,2-Dichloroethylene | ND              |   | ND          |   | nc  | 25     |
| 156-59-2   | cis-1,2-Dichloroethylene   | 0.54            | J | 0.51        | J | 6   | 25     |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND              |   | ND          |   | nc  | 25     |
| 541-73-1   | m-Dichlorobenzene          | ND              |   | ND          |   | nc  | 25     |
| 95-50-1    | o-Dichlorobenzene          | ND              |   | ND          |   | nc  | 25     |
| 106-46-7   | p-Dichlorobenzene          | ND              |   | ND          |   | nc  | 25     |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND              |   | ND          |   | nc  | 25     |
| 64-17-5    | Ethanol                    | 23.0            |   | 24.1        |   | 5   | 25     |
| 100-41-4   | Ethylbenzene               | ND              |   | ND          |   | nc  | 25     |
| 141-78-6   | Ethyl Acetate              | ND              |   | ND          |   | nc  | 25     |
| 622-96-8   | 4-Ethyltoluene             | ND              |   | ND          |   | nc  | 25     |

\* = Outside of Control Limits.

## Duplicate Summary

Page 2 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-2DUP | 6W15510.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |
| JD743-2    | 6W15509.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.   | Compound                  | JD743-2<br>ppbv | Q | DUP<br>ppbv | Q | RPD    | Limits |
|-----------|---------------------------|-----------------|---|-------------|---|--------|--------|
| 76-13-1   | Freon 113                 | ND              |   | ND          |   | nc     | 25     |
| 76-14-2   | Freon 114                 | ND              |   | ND          |   | nc     | 25     |
| 142-82-5  | Heptane                   | ND              |   | ND          |   | nc     | 25     |
| 87-68-3   | Hexachlorobutadiene       | 0.69            | J | ND          |   | 200* a | 25     |
| 110-54-3  | Hexane                    | ND              |   | ND          |   | nc     | 25     |
| 591-78-6  | 2-Hexanone                | ND              |   | ND          |   | nc     | 25     |
| 67-63-0   | Isopropyl Alcohol         | 1.4             |   | 1.4         |   | 0      | 25     |
| 75-09-2   | Methylene chloride        | ND              |   | ND          |   | nc     | 25     |
| 78-93-3   | Methyl ethyl ketone       | 12.3            |   | 12.3        |   | 0      | 25     |
| 108-10-1  | Methyl Isobutyl Ketone    | ND              |   | ND          |   | nc     | 25     |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND              |   | ND          |   | nc     | 25     |
| 80-62-6   | Methylmethacrylate        | ND              |   | ND          |   | nc     | 25     |
| 115-07-1  | Propylene                 | 3.2             |   | 3.3         |   | 3      | 25     |
| 100-42-5  | Styrene                   | ND              |   | ND          |   | nc     | 25     |
| 71-55-6   | 1,1,1-Trichloroethane     | ND              |   | ND          |   | nc     | 25     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND              |   | ND          |   | nc     | 25     |
| 79-00-5   | 1,1,2-Trichloroethane     | ND              |   | ND          |   | nc     | 25     |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND              |   | ND          |   | nc     | 25     |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND              |   | ND          |   | nc     | 25     |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND              |   | ND          |   | nc     | 25     |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND              |   | ND          |   | nc     | 25     |
| 75-65-0   | Tertiary Butyl Alcohol    | 2.7             |   | 2.7         |   | 0      | 25     |
| 127-18-4  | Tetrachloroethylene       | 1210            | E | 1230        | E | 2      | 25     |
| 109-99-9  | Tetrahydrofuran           | ND              |   | ND          |   | nc     | 25     |
| 108-88-3  | Toluene                   | 0.48            | J | 0.51        | J | 6      | 25     |
| 79-01-6   | Trichloroethylene         | 13.9            |   | 14.3        |   | 3      | 25     |
| 75-69-4   | Trichlorofluoromethane    | 2.9             |   | 2.9         |   | 0      | 25     |
| 75-01-4   | Vinyl chloride            | ND              |   | ND          |   | nc     | 25     |
| 108-05-4  | Vinyl Acetate             | ND              |   | ND          |   | nc     | 25     |
|           | m,p-Xylene                | ND              |   | ND          |   | nc     | 25     |
| 95-47-6   | o-Xylene                  | ND              |   | ND          |   | nc     | 25     |
| 1330-20-7 | Xylenes (total)           | ND              |   | ND          |   | nc     | 25     |

\* = Outside of Control Limits.

Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-2DUP | 6W15510.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |
| JD743-2    | 6W15509.D | 1  | 12/31/19 | TCH | n/a       | n/a        | V6W645           |

The QC reported here applies to the following samples: Method: TO-15

JD743-2, JD743-4, JD743-6, JD743-8, JD743-10, JD743-14, JD743-16, JD743-18, JD743-20, JD743-22, JD743-24, JD743-26, JD743-28, JD743-30, JD743-32

| CAS No.  | Surrogate Recoveries | DUP | JD743-2 | Limits  |
|----------|----------------------|-----|---------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 92% | 90%     | 65-128% |

(a) High RPD due to low concentration of hit

\* = Outside of Control Limits.

## Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-7DUP | 5W39950.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |
| JD743-7    | 5W39949.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.    | Compound                   | JD743-7<br>ppbv | DUP<br>Q | ppbv  | Q | RPD | Limits |
|------------|----------------------------|-----------------|----------|-------|---|-----|--------|
| 67-64-1    | Acetone                    | 20.7            |          | 19.9  |   | 4   | 25     |
| 106-99-0   | 1,3-Butadiene              | ND              |          | ND    |   | nc  | 25     |
| 71-43-2    | Benzene                    | 0.18            | J        | 0.18  | J | 0   | 25     |
| 75-27-4    | Bromodichloromethane       | ND              |          | ND    |   | nc  | 25     |
| 75-25-2    | Bromoform                  | ND              |          | ND    |   | nc  | 25     |
| 74-83-9    | Bromomethane               | ND              |          | ND    |   | nc  | 25     |
| 593-60-2   | Bromoethene                | ND              |          | ND    |   | nc  | 25     |
| 100-44-7   | Benzyl Chloride            | ND              |          | ND    |   | nc  | 25     |
| 75-15-0    | Carbon disulfide           | 0.82            |          | 0.80  |   | 2   | 25     |
| 108-90-7   | Chlorobenzene              | ND              |          | ND    |   | nc  | 25     |
| 75-00-3    | Chloroethane               | ND              |          | ND    |   | nc  | 25     |
| 67-66-3    | Chloroform                 | ND              |          | ND    |   | nc  | 25     |
| 74-87-3    | Chloromethane              | 0.50            |          | 0.47  |   | 6   | 25     |
| 107-05-1   | 3-Chloropropene            | ND              |          | ND    |   | nc  | 25     |
| 95-49-8    | 2-Chlorotoluene            | ND              |          | ND    |   | nc  | 25     |
| 56-23-5    | Carbon tetrachloride       | 0.069           | J        | 0.069 | J | 0   | 25     |
| 110-82-7   | Cyclohexane                | 3.5             |          | 3.5   |   | 0   | 25     |
| 75-34-3    | 1,1-Dichloroethane         | ND              |          | ND    |   | nc  | 25     |
| 75-35-4    | 1,1-Dichloroethylene       | ND              |          | ND    |   | nc  | 25     |
| 106-93-4   | 1,2-Dibromoethane          | ND              |          | ND    |   | nc  | 25     |
| 107-06-2   | 1,2-Dichloroethane         | 0.15            | J        | 0.14  | J | 7   | 25     |
| 78-87-5    | 1,2-Dichloropropane        | ND              |          | ND    |   | nc  | 25     |
| 123-91-1   | 1,4-Dioxane                | ND              |          | ND    |   | nc  | 25     |
| 75-71-8    | Dichlorodifluoromethane    | 0.43            |          | 0.43  |   | 0   | 25     |
| 124-48-1   | Dibromochloromethane       | ND              |          | ND    |   | nc  | 25     |
| 156-60-5   | trans-1,2-Dichloroethylene | ND              |          | ND    |   | nc  | 25     |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND              |          | ND    |   | nc  | 25     |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND              |          | ND    |   | nc  | 25     |
| 541-73-1   | m-Dichlorobenzene          | ND              |          | ND    |   | nc  | 25     |
| 95-50-1    | o-Dichlorobenzene          | ND              |          | ND    |   | nc  | 25     |
| 106-46-7   | p-Dichlorobenzene          | ND              |          | ND    |   | nc  | 25     |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND              |          | ND    |   | nc  | 25     |
| 64-17-5    | Ethanol                    | 37.1            |          | 35.8  |   | 4   | 25     |
| 100-41-4   | Ethylbenzene               | 0.22            |          | 0.21  |   | 5   | 25     |
| 141-78-6   | Ethyl Acetate              | 6.4             |          | 6.5   |   | 2   | 25     |
| 622-96-8   | 4-Ethyltoluene             | ND              |          | ND    |   | nc  | 25     |

\* = Outside of Control Limits.

## Duplicate Summary

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-7DUP | 5W39950.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |
| JD743-7    | 5W39949.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.   | Compound                  | JD743-7<br>ppbv | DUP<br>Q | ppbv | Q | RPD | Limits |
|-----------|---------------------------|-----------------|----------|------|---|-----|--------|
| 76-13-1   | Freon 113                 | ND              |          | ND   |   | nc  | 25     |
| 76-14-2   | Freon 114                 | ND              |          | ND   |   | nc  | 25     |
| 142-82-5  | Heptane                   | 0.71            |          | 0.69 |   | 3   | 25     |
| 87-68-3   | Hexachlorobutadiene       | ND              |          | ND   |   | nc  | 25     |
| 110-54-3  | Hexane                    | 0.21            |          | 0.21 |   | 0   | 25     |
| 591-78-6  | 2-Hexanone                | ND              |          | ND   |   | nc  | 25     |
| 67-63-0   | Isopropyl Alcohol         | 3.2             |          | 3.2  |   | 0   | 25     |
| 75-09-2   | Methylene chloride        | 0.21            |          | 0.20 |   | 5   | 25     |
| 78-93-3   | Methyl ethyl ketone       | 3.4             |          | 3.3  |   | 3   | 25     |
| 108-10-1  | Methyl Isobutyl Ketone    | ND              |          | ND   |   | nc  | 25     |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND              |          | ND   |   | nc  | 25     |
| 80-62-6   | Methylmethacrylate        | ND              |          | ND   |   | nc  | 25     |
| 115-07-1  | Propylene                 | ND              |          | ND   |   | nc  | 25     |
| 100-42-5  | Styrene                   | 0.14            | J        | 0.13 | J | 7   | 25     |
| 71-55-6   | 1,1,1-Trichloroethane     | ND              |          | ND   |   | nc  | 25     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND              |          | ND   |   | nc  | 25     |
| 79-00-5   | 1,1,2-Trichloroethane     | ND              |          | ND   |   | nc  | 25     |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND              |          | ND   |   | nc  | 25     |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 0.13            | J        | 0.12 | J | 8   | 25     |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND              |          | ND   |   | nc  | 25     |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND              |          | ND   |   | nc  | 25     |
| 75-65-0   | Tertiary Butyl Alcohol    | 0.90            |          | 0.91 |   | 1   | 25     |
| 127-18-4  | Tetrachloroethylene       | 0.14            |          | 0.15 |   | 7   | 25     |
| 109-99-9  | Tetrahydrofuran           | 0.19            | J        | 0.17 | J | 11  | 25     |
| 108-88-3  | Toluene                   | 4.1             |          | 4.1  |   | 0   | 25     |
| 79-01-6   | Trichloroethylene         | ND              |          | ND   |   | nc  | 25     |
| 75-69-4   | Trichlorofluoromethane    | 0.21            |          | 0.20 |   | 5   | 25     |
| 75-01-4   | Vinyl chloride            | ND              |          | ND   |   | nc  | 25     |
| 108-05-4  | Vinyl Acetate             | ND              |          | ND   |   | nc  | 25     |
|           | m,p-Xylene                | 0.68            |          | 0.64 |   | 6   | 25     |
| 95-47-6   | o-Xylene                  | 0.44            |          | 0.42 |   | 5   | 25     |
| 1330-20-7 | Xylenes (total)           | 1.1             |          | 1.1  |   | 0   | 25     |

\* = Outside of Control Limits.

Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-7DUP | 5W39950.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |
| JD743-7    | 5W39949.D | 1  | 12/31/19 | DFT | n/a       | n/a        | V5W1625          |

The QC reported here applies to the following samples: Method: TO-15

JD743-1, JD743-3, JD743-5, JD743-7, JD743-9, JD743-11, JD743-12, JD743-13, JD743-15, JD743-17, JD743-19, JD743-21, JD743-23, JD743-25, JD743-27, JD743-29, JD743-31

| CAS No.  | Surrogate Recoveries | DUP | JD743-7 | Limits  |
|----------|----------------------|-----|---------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 95% | 91%     | 65-128% |

\* = Outside of Control Limits.

## Duplicate Summary

Page 1 of 3

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-34DUP | 5W39974.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |
| JD743-34    | 5W39973.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.    | Compound                   | JD743-34<br>ppbv | DUP<br>Q | ppbv | Q | RPD | Limits |
|------------|----------------------------|------------------|----------|------|---|-----|--------|
| 67-64-1    | Acetone                    | 39.3             |          | 39.5 |   | 1   | 25     |
| 106-99-0   | 1,3-Butadiene              | ND               |          | ND   |   | nc  | 25     |
| 71-43-2    | Benzene                    | ND               |          | ND   |   | nc  | 25     |
| 75-27-4    | Bromodichloromethane       | ND               |          | ND   |   | nc  | 25     |
| 75-25-2    | Bromoform                  | ND               |          | ND   |   | nc  | 25     |
| 74-83-9    | Bromomethane               | ND               |          | ND   |   | nc  | 25     |
| 593-60-2   | Bromoethene                | ND               |          | ND   |   | nc  | 25     |
| 100-44-7   | Benzyl Chloride            | ND               |          | ND   |   | nc  | 25     |
| 75-15-0    | Carbon disulfide           | 11.5             |          | 11.5 |   | 0   | 25     |
| 108-90-7   | Chlorobenzene              | ND               |          | ND   |   | nc  | 25     |
| 75-00-3    | Chloroethane               | ND               |          | ND   |   | nc  | 25     |
| 67-66-3    | Chloroform                 | ND               |          | ND   |   | nc  | 25     |
| 74-87-3    | Chloromethane              | 0.54             | J        | 0.55 | J | 2   | 25     |
| 107-05-1   | 3-Chloropropene            | ND               |          | ND   |   | nc  | 25     |
| 95-49-8    | 2-Chlorotoluene            | ND               |          | ND   |   | nc  | 25     |
| 56-23-5    | Carbon tetrachloride       | ND               |          | ND   |   | nc  | 25     |
| 110-82-7   | Cyclohexane                | 2.2              |          | 2.1  |   | 5   | 25     |
| 75-34-3    | 1,1-Dichloroethane         | ND               |          | ND   |   | nc  | 25     |
| 75-35-4    | 1,1-Dichloroethylene       | ND               |          | ND   |   | nc  | 25     |
| 106-93-4   | 1,2-Dibromoethane          | ND               |          | ND   |   | nc  | 25     |
| 107-06-2   | 1,2-Dichloroethane         | ND               |          | ND   |   | nc  | 25     |
| 78-87-5    | 1,2-Dichloropropane        | ND               |          | ND   |   | nc  | 25     |
| 123-91-1   | 1,4-Dioxane                | 1.3              |          | 1.2  |   | 8   | 25     |
| 75-71-8    | Dichlorodifluoromethane    | 0.46             | J        | 0.47 | J | 2   | 25     |
| 124-48-1   | Dibromochloromethane       | ND               |          | ND   |   | nc  | 25     |
| 156-60-5   | trans-1,2-Dichloroethylene | ND               |          | ND   |   | nc  | 25     |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND               |          | ND   |   | nc  | 25     |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND               |          | ND   |   | nc  | 25     |
| 541-73-1   | m-Dichlorobenzene          | ND               |          | ND   |   | nc  | 25     |
| 95-50-1    | o-Dichlorobenzene          | ND               |          | ND   |   | nc  | 25     |
| 106-46-7   | p-Dichlorobenzene          | ND               |          | ND   |   | nc  | 25     |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND               |          | ND   |   | nc  | 25     |
| 64-17-5    | Ethanol                    | 48.5             |          | 48.9 |   | 1   | 25     |
| 100-41-4   | Ethylbenzene               | ND               |          | ND   |   | nc  | 25     |
| 141-78-6   | Ethyl Acetate              | 0.99             |          | 0.98 |   | 1   | 25     |
| 622-96-8   | 4-Ethyltoluene             | ND               |          | ND   |   | nc  | 25     |

\* = Outside of Control Limits.

## Duplicate Summary

**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-34DUP | 5W39974.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |
| JD743-34    | 5W39973.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples:

Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.   | Compound                  | JD743-34<br>ppbv | DUP<br>Q | ppbv | Q | RPD | Limits |
|-----------|---------------------------|------------------|----------|------|---|-----|--------|
| 76-13-1   | Freon 113                 | ND               |          | ND   |   | nc  | 25     |
| 76-14-2   | Freon 114                 | ND               |          | ND   |   | nc  | 25     |
| 142-82-5  | Heptane                   | ND               |          | ND   |   | nc  | 25     |
| 87-68-3   | Hexachlorobutadiene       | ND               |          | ND   |   | nc  | 25     |
| 110-54-3  | Hexane                    | ND               |          | ND   |   | nc  | 25     |
| 591-78-6  | 2-Hexanone                | ND               |          | ND   |   | nc  | 25     |
| 67-63-0   | Isopropyl Alcohol         | 6.6              |          | 6.6  |   | 0   | 25     |
| 75-09-2   | Methylene chloride        | ND               |          | ND   |   | nc  | 25     |
| 78-93-3   | Methyl ethyl ketone       | 5.6              |          | 5.4  |   | 4   | 25     |
| 108-10-1  | Methyl Isobutyl Ketone    | 2.0              |          | 2.0  |   | 0   | 25     |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND               |          | ND   |   | nc  | 25     |
| 80-62-6   | Methylmethacrylate        | ND               |          | ND   |   | nc  | 25     |
| 115-07-1  | Propylene                 | ND               |          | ND   |   | nc  | 25     |
| 100-42-5  | Styrene                   | ND               |          | ND   |   | nc  | 25     |
| 71-55-6   | 1,1,1-Trichloroethane     | ND               |          | ND   |   | nc  | 25     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND               |          | ND   |   | nc  | 25     |
| 79-00-5   | 1,1,2-Trichloroethane     | ND               |          | ND   |   | nc  | 25     |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND               |          | ND   |   | nc  | 25     |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND               |          | ND   |   | nc  | 25     |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND               |          | ND   |   | nc  | 25     |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND               |          | ND   |   | nc  | 25     |
| 75-65-0   | Tertiary Butyl Alcohol    | 3.0              |          | 2.9  |   | 3   | 25     |
| 127-18-4  | Tetrachloroethylene       | 0.35             |          | 0.32 |   | 9   | 25     |
| 109-99-9  | Tetrahydrofuran           | 1.2              |          | 1.1  |   | 9   | 25     |
| 108-88-3  | Toluene                   | 13.4             |          | 12.8 |   | 5   | 25     |
| 79-01-6   | Trichloroethylene         | ND               |          | ND   |   | nc  | 25     |
| 75-69-4   | Trichlorofluoromethane    | ND               |          | ND   |   | nc  | 25     |
| 75-01-4   | Vinyl chloride            | ND               |          | ND   |   | nc  | 25     |
| 108-05-4  | Vinyl Acetate             | ND               |          | ND   |   | nc  | 25     |
|           | m,p-Xylene                | 0.64             | J        | 0.62 | J | 3   | 25     |
| 95-47-6   | o-Xylene                  | 0.40             | J        | 0.38 | J | 5   | 25     |
| 1330-20-7 | Xylenes (total)           | 1.0              |          | 1.0  |   | 0   | 25     |

\* = Outside of Control Limits.

Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample      | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|-----|-----------|------------|------------------|
| JD743-34DUP | 5W39974.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |
| JD743-34    | 5W39973.D | 1  | 01/02/20 | DFT | n/a       | n/a        | V5W1626          |

The QC reported here applies to the following samples: Method: TO-15

JD743-2, JD743-13, JD743-33, JD743-34

| CAS No.  | Surrogate Recoveries | DUP | JD743-34 | Limits  |
|----------|----------------------|-----|----------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 90% | 89%      | 65-128% |

\* = Outside of Control Limits.

Duplicate Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF  | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|-----|----------|-----|-----------|------------|------------------|
| JD734-1DUP | 6W15539.D | 1.6 | 01/02/20 | TCH | n/a       | n/a        | V6W646           |
| JD734-1    | 6W15538.D | 1.6 | 01/02/20 | TCH | n/a       | n/a        | V6W646           |

The QC reported here applies to the following samples: Method: TO-15

JD743-8

| CAS No. | Compound | JD734-1<br>ppbv | DUP<br>Q | ppbv | Q | RPD | Limits |
|---------|----------|-----------------|----------|------|---|-----|--------|
| 67-64-1 | Acetone  | 1.8             |          | 1.7  |   | 6   | 25     |

| CAS No.  | Surrogate Recoveries | DUP  | JD734-1 | Limits  |
|----------|----------------------|------|---------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 102% | 100%    | 65-128% |

\* = Outside of Control Limits.

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-SCC | 6W14966.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here (Summa A639) applies to the following samples:

Method: TO-15

Batch CP10592 cleaned 11/15/19: JD743-29(A316)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-SCC | 6W14966.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here (Summa A639) applies to the following samples:

Method: TO-15

Batch CP10592 cleaned 11/15/19: JD743-29(A316)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-SCC | 6W14966.D | 1  | 11/26/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here (Summa A639) applies to the following samples: Method: TO-15

Batch CP10592 cleaned 11/15/19: JD743-29(A316)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 92% 65-128% |

6.4.1  
6

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-SCC | 6W14980.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here (Summa M235) applies to the following samples:

Method: TO-15

Batch CP10601 cleaned 11/20/19: JD743-1(LA 2352), JD743-23(A345)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-SCC | 6W14980.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here (Summa M235) applies to the following samples:

Method: TO-15

Batch CP10601 cleaned 11/20/19: JD743-1(LA 2352), JD743-23(A345)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W623-SCC | 6W14980.D | 1  | 11/27/19 | TCH | n/a       | n/a        | V6W623           |

The QC reported here (Summa M235) applies to the following samples: Method: TO-15

Batch CP10601 cleaned 11/20/19: JD743-1(LA 2352), JD743-23(A345)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 93% 65-128% |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-SCC | 6W15007.D | 1  | 11/28/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here (Summa A770) applies to the following samples:

Method: TO-15

Batch CP10604 cleaned 11/22/19: JD743-2(A775), JD743-8(M229), JD743-9(A883)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-SCC | 6W15007.D | 1  | 11/28/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here (Summa A770) applies to the following samples:

Method: TO-15

Batch CP10604 cleaned 11/22/19: JD743-2(A775), JD743-8(M229), JD743-9(A883)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W624-SCC | 6W15007.D | 1  | 11/28/19 | TCH | n/a       | n/a        | V6W624           |

The QC reported here (Summa A770) applies to the following samples: Method: TO-15

Batch CP10604 cleaned 11/22/19: JD743-2(A775), JD743-8(M229), JD743-9(A883)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 93% 65-128% |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-SCC | 6W15025.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here (Summa A313) applies to the following samples:

Method: TO-15

Batch CP10603 cleaned 11/21/19: JD743-21(A226)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-SCC | 6W15025.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here (Summa A313) applies to the following samples:

Method: TO-15

Batch CP10603 cleaned 11/21/19: JD743-21(A226)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-SCC | 6W15025.D | 1  | 12/02/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here (Summa A313) applies to the following samples: Method: TO-15

Batch CP10603 cleaned 11/21/19: JD743-21(A226)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 93% 65-128% |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-SCC | 6W15026.D | 1  | 12/03/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here (Summa A1100) applies to the following samples:

Method: TO-15

Batch CP10605 cleaned 11/22/19: JD743-4(M238), JD743-6(A1051), JD743-10(A888), JD743-12(A845), JD743-16(A642), JD743-25(M207), JD743-26(A248), JD743-31(A1006), JD743-34(M037)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

# Summa Cleaning Certification

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**Job Number:** JD743  
**Account:** AGMNYM Arcadis  
**Project:** Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-SCC | 6W15026.D | 1  | 12/03/19 | TCH | n/a       | n/a        | V6W625           |

**The QC reported here (Summa A1100) applies to the following samples:** **Method:** TO-15

Batch CP10605 cleaned 11/22/19: JD743-4(M238), JD743-6(A1051), JD743-10(A888), JD743-12(A845), JD743-16(A642), JD743-25(M207), JD743-26(A248), JD743-31(A1006), JD743-34(M037)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W625-SCC | 6W15026.D | 1  | 12/03/19 | TCH | n/a       | n/a        | V6W625           |

The QC reported here (Summa A1100) applies to the following samples: Method: TO-15

Batch CP10605 cleaned 11/22/19: JD743-4(M238), JD743-6(A1051), JD743-10(A888), JD743-12(A845), JD743-16(A642), JD743-25(M207), JD743-26(A248), JD743-31(A1006), JD743-34(M037)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 94% 65-128% |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-SCC | 6W15065.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here (Summa M260) applies to the following samples:

Method: TO-15

Batch CP10584 cleaned 11/11/19: JD743-3(A195), JD743-5(A1074), JD743-7(A831), JD743-11(M107), JD743-13(A324), JD743-14(A442), JD743-19(A1081), JD743-22(M105), JD743-27(A363), JD743-30(A224), JD743-33(A284)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-SCC | 6W15065.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here (Summa M260) applies to the following samples:

Method: TO-15

Batch CP10584 cleaned 11/11/19: JD743-3(A195), JD743-5(A1074), JD743-7(A831), JD743-11(M107), JD743-13(A324), JD743-14(A442), JD743-19(A1081), JD743-22(M105), JD743-27(A363), JD743-30(A224), JD743-33(A284)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W627-SCC | 6W15065.D | 1  | 12/04/19 | TCH | n/a       | n/a        | V6W627           |

The QC reported here (Summa M260) applies to the following samples: Method: TO-15

Batch CP10584 cleaned 11/11/19: JD743-3(A195), JD743-5(A1074), JD743-7(A831), JD743-11(M107), JD743-13(A324), JD743-14(A442), JD743-19(A1081), JD743-22(M105), JD743-27(A363), JD743-30(A224), JD743-33(A284)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 92% 65-128% |

# Summa Cleaning Certification

Page 1 of 3

Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-SCC | 6W15106.D | 1  | 12/06/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here (Summa A246) applies to the following samples:

Method: TO-15

Batch CP10610 cleaned 12/02/19: JD743-15(A262), JD743-17(A302), JD743-18(M403), JD743-20(A1088), JD743-24(A1205), JD743-28(M129), JD743-32(M404)

| CAS No.    | Compound                   | Result | RL   | MDL    | Units | Q | Result | RL   | Units |
|------------|----------------------------|--------|------|--------|-------|---|--------|------|-------|
| 67-64-1    | Acetone                    | ND     | 0.20 | 0.11   | ppbv  |   | ND     | 0.48 | ug/m3 |
| 106-99-0   | 1,3-Butadiene              | ND     | 0.20 | 0.046  | ppbv  |   | ND     | 0.44 | ug/m3 |
| 71-43-2    | Benzene                    | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.64 | ug/m3 |
| 75-27-4    | Bromodichloromethane       | ND     | 0.20 | 0.027  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 75-25-2    | Bromoform                  | ND     | 0.20 | 0.037  | ppbv  |   | ND     | 2.1  | ug/m3 |
| 74-83-9    | Bromomethane               | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.78 | ug/m3 |
| 593-60-2   | Bromoethene                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 100-44-7   | Benzyl Chloride            | ND     | 0.20 | 0.057  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 75-15-0    | Carbon disulfide           | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 0.62 | ug/m3 |
| 108-90-7   | Chlorobenzene              | ND     | 0.20 | 0.026  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 75-00-3    | Chloroethane               | ND     | 0.20 | 0.048  | ppbv  |   | ND     | 0.53 | ug/m3 |
| 67-66-3    | Chloroform                 | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.98 | ug/m3 |
| 74-87-3    | Chloromethane              | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.41 | ug/m3 |
| 107-05-1   | 3-Chloropropene            | ND     | 0.20 | 0.040  | ppbv  |   | ND     | 0.63 | ug/m3 |
| 95-49-8    | 2-Chlorotoluene            | ND     | 0.20 | 0.025  | ppbv  |   | ND     | 1.0  | ug/m3 |
| 56-23-5    | Carbon tetrachloride       | ND     | 0.20 | 0.024  | ppbv  |   | ND     | 1.3  | ug/m3 |
| 110-82-7   | Cyclohexane                | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 0.69 | ug/m3 |
| 75-34-3    | 1,1-Dichloroethane         | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 75-35-4    | 1,1-Dichloroethylene       | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 106-93-4   | 1,2-Dibromoethane          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.5  | ug/m3 |
| 107-06-2   | 1,2-Dichloroethane         | ND     | 0.20 | 0.021  | ppbv  |   | ND     | 0.81 | ug/m3 |
| 78-87-5    | 1,2-Dichloropropane        | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 0.92 | ug/m3 |
| 123-91-1   | 1,4-Dioxane                | ND     | 0.20 | 0.052  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 75-71-8    | Dichlorodifluoromethane    | ND     | 0.20 | 0.017  | ppbv  |   | ND     | 0.99 | ug/m3 |
| 124-48-1   | Dibromochloromethane       | ND     | 0.20 | 0.033  | ppbv  |   | ND     | 1.7  | ug/m3 |
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 0.20 | 0.0073 | ppbv  |   | ND     | 0.79 | ug/m3 |
| 156-59-2   | cis-1,2-Dichloroethylene   | ND     | 0.20 | 0.012  | ppbv  |   | ND     | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene    | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 541-73-1   | m-Dichlorobenzene          | ND     | 0.20 | 0.019  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 95-50-1    | o-Dichlorobenzene          | ND     | 0.20 | 0.022  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 106-46-7   | p-Dichlorobenzene          | ND     | 0.20 | 0.018  | ppbv  |   | ND     | 1.2  | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 0.20 | 0.020  | ppbv  |   | ND     | 0.91 | ug/m3 |
| 64-17-5    | Ethanol                    | ND     | 0.50 | 0.22   | ppbv  |   | ND     | 0.94 | ug/m3 |
| 100-41-4   | Ethylbenzene               | ND     | 0.20 | 0.015  | ppbv  |   | ND     | 0.87 | ug/m3 |
| 141-78-6   | Ethyl Acetate              | ND     | 0.20 | 0.038  | ppbv  |   | ND     | 0.72 | ug/m3 |
| 622-96-8   | 4-Ethyltoluene             | ND     | 0.20 | 0.030  | ppbv  |   | ND     | 0.98 | ug/m3 |

# Summa Cleaning Certification

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Job Number: JD743

Account: AGMNYM Arcadis

Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-SCC | 6W15106.D | 1  | 12/06/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here (Summa A246) applies to the following samples:

Method: TO-15

Batch CP10610 cleaned 12/02/19: JD743-15(A262), JD743-17(A302), JD743-18(M403), JD743-20(A1088), JD743-24(A1205), JD743-28(M129), JD743-32(M404)

| CAS No.   | Compound                  | Result | RL    | MDL   | Units | Q | Result | RL   | Units |
|-----------|---------------------------|--------|-------|-------|-------|---|--------|------|-------|
| 76-13-1   | Freon 113                 | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 76-14-2   | Freon 114                 | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 142-82-5  | Heptane                   | ND     | 0.20  | 0.018 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 87-68-3   | Hexachlorobutadiene       | ND     | 0.20  | 0.046 | ppbv  |   | ND     | 2.1  | ug/m3 |
| 110-54-3  | Hexane                    | ND     | 0.20  | 0.011 | ppbv  |   | ND     | 0.70 | ug/m3 |
| 591-78-6  | 2-Hexanone                | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 67-63-0   | Isopropyl Alcohol         | ND     | 0.20  | 0.065 | ppbv  |   | ND     | 0.49 | ug/m3 |
| 75-09-2   | Methylene chloride        | ND     | 0.20  | 0.015 | ppbv  |   | ND     | 0.69 | ug/m3 |
| 78-93-3   | Methyl ethyl ketone       | ND     | 0.20  | 0.042 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-10-1  | Methyl Isobutyl Ketone    | ND     | 0.20  | 0.036 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.72 | ug/m3 |
| 80-62-6   | Methylmethacrylate        | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.82 | ug/m3 |
| 115-07-1  | Propylene                 | ND     | 0.50  | 0.016 | ppbv  |   | ND     | 0.86 | ug/m3 |
| 100-42-5  | Styrene                   | ND     | 0.20  | 0.019 | ppbv  |   | ND     | 0.85 | ug/m3 |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 0.20  | 0.027 | ppbv  |   | ND     | 1.4  | ug/m3 |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 0.20  | 0.030 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 0.20  | 0.089 | ppbv  |   | ND     | 1.5  | ug/m3 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 0.20  | 0.033 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.98 | ug/m3 |
| 540-84-1  | 2,2,4-Trimethylpentane    | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.93 | ug/m3 |
| 75-65-0   | Tertiary Butyl Alcohol    | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.61 | ug/m3 |
| 127-18-4  | Tetrachloroethylene       | ND     | 0.040 | 0.031 | ppbv  |   | ND     | 0.27 | ug/m3 |
| 109-99-9  | Tetrahydrofuran           | ND     | 0.20  | 0.050 | ppbv  |   | ND     | 0.59 | ug/m3 |
| 108-88-3  | Toluene                   | ND     | 0.20  | 0.014 | ppbv  |   | ND     | 0.75 | ug/m3 |
| 79-01-6   | Trichloroethylene         | ND     | 0.040 | 0.019 | ppbv  |   | ND     | 0.21 | ug/m3 |
| 75-69-4   | Trichlorofluoromethane    | ND     | 0.20  | 0.028 | ppbv  |   | ND     | 1.1  | ug/m3 |
| 75-01-4   | Vinyl chloride            | ND     | 0.20  | 0.022 | ppbv  |   | ND     | 0.51 | ug/m3 |
| 108-05-4  | Vinyl Acetate             | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.70 | ug/m3 |
|           | m,p-Xylene                | ND     | 0.20  | 0.034 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 95-47-6   | o-Xylene                  | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total)           | ND     | 0.20  | 0.017 | ppbv  |   | ND     | 0.87 | ug/m3 |

Summa Cleaning Certification

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

| Sample     | File ID   | DF | Analyzed | By  | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|-----|-----------|------------|------------------|
| V6W628-SCC | 6W15106.D | 1  | 12/06/19 | TCH | n/a       | n/a        | V6W628           |

The QC reported here (Summa A246) applies to the following samples: Method: TO-15

Batch CP10610 cleaned 12/02/19: JD743-15(A262), JD743-17(A302), JD743-18(M403), JD743-20(A1088), JD743-24(A1205), JD743-28(M129), JD743-32(M404)

| CAS No.  | Surrogate Recoveries | Limits      |
|----------|----------------------|-------------|
| 460-00-4 | 4-Bromofluorobenzene | 89% 65-128% |

## Surrogate Recovery Summary

Page 1 of 3

**Job Number:** JD743

**Account:** AGMNYM Arcadis

**Project:** Stellae International, NY

**Method:** TO-15

**Matrix:** AIR

Samples and QC shown here apply to the above method

| Lab<br>Sample ID | Lab<br>File ID | S1     |
|------------------|----------------|--------|
| JD743-1          | 5W39946.D      | 94     |
| JD743-2          | 6W15509.D      | 90     |
| JD743-2          | 5W39975.D      | 93     |
| JD743-3          | 5W39947.D      | 91     |
| JD743-4          | 6W15511.D      | 100    |
| JD743-5          | 5W39948.D      | 93     |
| JD743-6          | 6W15512.D      | 98     |
| JD743-7          | 5W39949.D      | 91     |
| JD743-8          | 6W15535.D      | 103    |
| JD743-8          | 6W15513.D      | 106    |
| JD743-9          | 5W39951.D      | 92     |
| JD743-10         | 6W15514.D      | 102    |
| JD743-11         | 5W39952.D      | 91     |
| JD743-12         | 5W39953.D      | 88     |
| JD743-13         | 5W39971.D      | 92     |
| JD743-13         | 5W39954.D      | 92     |
| JD743-14         | 6W15536.D      | 129* a |
| JD743-14         | 6W15515.D      | 134* a |
| JD743-15         | 5W39955.D      | 86     |
| JD743-16         | 6W15516.D      | 115    |
| JD743-17         | 5W39956.D      | 90     |
| JD743-18         | 6W15517.D      | 110    |
| JD743-19         | 5W39957.D      | 91     |
| JD743-20         | 6W15537.D      | 140* a |
| JD743-20         | 6W15518.D      | 145* a |
| JD743-21         | 5W39958.D      | 95     |
| JD743-22         | 6W15519.D      | 124    |
| JD743-23         | 5W39959.D      | 92     |
| JD743-24         | 6W15520.D      | 102    |
| JD743-25         | 5W39960.D      | 89     |
| JD743-26         | 6W15522.D      | 99     |
| JD743-27         | 5W39961.D      | 88     |
| JD743-28         | 6W15523.D      | 100    |
| JD743-29         | 5W39962.D      | 92     |
| JD743-30         | 6W15524.D      | 105    |
| JD743-31         | 5W39963.D      | 89     |
| JD743-32         | 6W15525.D      | 99     |
| JD743-33         | 5W39972.D      | 88     |
| JD743-34         | 5W39973.D      | 89     |
| JD734-1DUP       | 6W15539.D      | 102    |

6.5.1

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## Surrogate Recovery Summary

Page 2 of 3

**Job Number:** JD743

**Account:** AGMNYM Arcadis

**Project:** Stellae International, NY

**Method:** TO-15

**Matrix:** AIR

Samples and QC shown here apply to the above method

| Lab<br>Sample ID | Lab<br>File ID | S1  |
|------------------|----------------|-----|
| JD743-2DUP       | 6W15510.D      | 92  |
| JD743-34DUP      | 5W39974.D      | 90  |
| JD743-7DUP       | 5W39950.D      | 95  |
| V5W1625-BS       | 5W39940.D      | 109 |
| V5W1625-BSD      | 5W39941.D      | 109 |
| V5W1625-MB       | 5W39944.D      | 91  |
| V5W1626-BS       | 5W39966.D      | 108 |
| V5W1626-BSD      | 5W39967.D      | 108 |
| V5W1626-MB       | 5W39970.D      | 88  |
| V6W623-SCC       | 6W14966.D      | 92  |
| V6W623-SCC       | 6W14980.D      | 93  |
| V6W624-SCC       | 6W15007.D      | 93  |
| V6W625-SCC       | 6W15025.D      | 93  |
| V6W625-SCC       | 6W15026.D      | 94  |
| V6W627-SCC       | 6W15065.D      | 92  |
| V6W628-SCC       | 6W15106.D      | 89  |
| V6W645-BS        | 6W15502.D      | 110 |
| V6W645-BSD       | 6W15503.D      | 110 |
| V6W645-MB        | 6W15505.D      | 96  |
| V6W646-BS        | 6W15531.D      | 112 |
| V6W646-BSD       | 6W15532.D      | 117 |
| V6W646-MB        | 6W15534.D      | 98  |
| V6W623-BS        | 6W14959.D      | 109 |
| V6W623-BSD       | 6W14960.D      | 104 |
| V6W623-MB        | 6W14962.D      | 93  |
| V6W624-BS        | 6W14983.D      | 104 |
| V6W624-BSD       | 6W14984.D      | 106 |
| V6W624-MB        | 6W14986.D      | 93  |
| V6W625-BS        | 6W15010.D      | 104 |
| V6W625-BSD       | 6W15011.D      | 105 |
| V6W625-MB        | 6W15014.D      | 92  |
| V6W627-BS        | 6W15061.D      | 104 |
| V6W627-BSD       | 6W15062.D      | 106 |
| V6W627-MB        | 6W15064.D      | 91  |
| V6W628-BS        | 6W15085.D      | 104 |
| V6W628-BSD       | 6W15086.D      | 103 |
| V6W628-MB        | 6W15088.D      | 91  |

6.5.1

6

Surrogate Recovery Summary

Job Number: JD743  
Account: AGMNYM Arcadis  
Project: Stellae International, NY

|               |             |
|---------------|-------------|
| Method: TO-15 | Matrix: AIR |
|---------------|-------------|

Samples and QC shown here apply to the above method

|                        |                    |
|------------------------|--------------------|
| Surrogate<br>Compounds | Recovery<br>Limits |
|------------------------|--------------------|

|                        |                    |
|------------------------|--------------------|
| Surrogate<br>Compounds | Recovery<br>Limits |
|------------------------|--------------------|

|                           |         |
|---------------------------|---------|
| S1 = 4-Bromofluorobenzene | 65-128% |
|---------------------------|---------|

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.