



# *Testing Solutions for a Better World*

STACK EMISSIONS STUDY  
EPA 40 CFR PART 60, SUBPART JJJJ AND  
EPA 40 CFR PART 63, SUBPART ZZZZ  
FOR THE  
JENBACHER, J620 SINGLE GS-J715, UNIT #G02,  
SERIAL #1717939  
PREPARED FOR  
VOLTAGRID, LLC  
AT THE  
SAT-1 EGU  
SAN ANTONIO, TEXAS  
MARCH 2, 2026

RN No: 112050760

CN No: 606076008

Permit No: 177637

Report Date: March 22, 2026



## **Corporate Headquarters**

1600 W. Tacoma Street  
Broken Arrow, OK 74012



**AIR HYGIENE, INC.**

(918) 307-8865 or (888) 461-8778  
[www.airhygiene.com](http://www.airhygiene.com)

## **Remote Testing Offices**

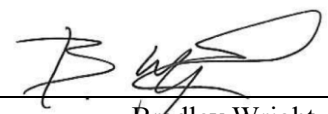
Chicago, IL  
Shreveport, LA  
Las Vegas, NV  
Pittsburgh, PA  
Fort Worth, TX  
Salt Lake City, UT

**STACK EMISSIONS STUDY  
EPA 40 CFR PART 60, SUPART JJJJ AND  
EPA 40 CFR PART 63, SUBPART ZZZZ  
FOR THE  
JENBACHER, J620 SINGLE GS-J715, UNIT #G02,  
SERIAL #1717939  
PREPARED FOR  
VOLTAGRID, LLC  
AT THE  
SAT-1 EGU  
SAN ANTONIO, TEXAS  
MARCH 2, 2026**

Prepared and Reviewed by:



Arti M Srinivasan  
Report Writer

  
\_\_\_\_\_  
Bradley Wright, QSTI  
Test Manager

  
I, \_\_\_\_\_  
John M. Plummer  
Senior Regional Manager- Fort Worth, TX  
certify that this testing was conducted and  
this report was created in conformance  
with the requirements of ASTM D7036

*(this page intentionally left blank)*

## Table of Contents

|            |                                                                 |          |
|------------|-----------------------------------------------------------------|----------|
| <b>1.0</b> | <b>INTRODUCTION</b>                                             | <b>3</b> |
| <b>1.1</b> | <b>TEST PURPOSE AND OBJECTIVES</b>                              | <b>3</b> |
| <b>1.2</b> | <b>SUMMARY OF TEST PROGRAM</b>                                  | <b>3</b> |
| 1.2.1      | Participating Organizations                                     | 3        |
| 1.2.2      | Industry                                                        | 3        |
| 1.2.3      | Air Permit and Federal Requirements                             | 3        |
| 1.2.4      | Plant Location                                                  | 3        |
| 1.2.5      | Equipment Tested                                                | 4        |
| 1.2.6      | Emission Points                                                 | 4        |
| 1.2.7      | Emission Parameters Measured                                    | 4        |
| 1.2.8      | Date of Emission Test                                           | 4        |
| 1.2.9      | Federal and State Certifications                                | 4        |
| <b>1.3</b> | <b>KEY PERSONNEL</b>                                            | <b>4</b> |
| <b>2.0</b> | <b>SUMMARY OF TEST RESULTS</b>                                  | <b>4</b> |
| <b>3.0</b> | <b>SOURCE OPERATION</b>                                         | <b>6</b> |
| <b>3.1</b> | <b>PROCESS DESCRIPTION</b>                                      | <b>6</b> |
| <b>3.2</b> | <b>SAMPLING LOCATION</b>                                        | <b>6</b> |
| <b>4.0</b> | <b>SAMPLING AND ANALYTICAL PROCEDURES</b>                       | <b>6</b> |
| <b>4.1</b> | <b>TEST METHODS</b>                                             | <b>6</b> |
| <b>4.2</b> | <b>INSTRUMENT CONFIGURATION AND OPERATIONS FOR GAS ANALYSIS</b> | <b>7</b> |

## APPENDICES

|            |                                            |
|------------|--------------------------------------------|
| Appendix A | Test Results and Calculations              |
| Appendix B | Emission Data Records                      |
| Appendix C | Calibration Gas Certifications             |
| Appendix D | Quality Assurance and Quality Control Data |
| Appendix E | Fuel Analysis Records                      |

**Stack Emissions Study  
Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939  
VoltaGrid, LLC  
SAT-1 EGU  
San Antonio, Texas  
March 2, 2026**

## **1.0 INTRODUCTION**

Air Hygiene International, Inc. (Air Hygiene) has completed the Stack Emissions Study for nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), formaldehyde (HCHO), and oxygen (O<sub>2</sub>) from the exhaust and carbon monoxide (CO) and Oxygen (O<sub>2</sub>) from the inlet of the Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939 for VoltaGrid, LLC at the SAT-1 EGU in San Antonio, Texas. This report details the background, results, process description, and the sampling/analysis methodology of the stack sampling survey conducted on March 2, 2026.

## **1.1 TEST PURPOSE AND OBJECTIVES**

The purpose of the test was to conduct the periodic emission test to document levels of selected pollutants at maximum operation levels of the unit. The information will be used to confirm compliance with the air quality permit requirements. The specific objective was to determine the emission concentration of NO<sub>x</sub>, CO, VOC, HCHO, and O<sub>2</sub> from the exhaust to the catalyst and carbon monoxide (CO) and Oxygen (O<sub>2</sub>) from the inlet of VoltaGrid, LLC's Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939.

## **1.2 SUMMARY OF TEST PROGRAM**

The following list details pertinent information related to this specific project:

- 1.2.1 Participating Organizations
  - Texas Commission on Environmental Quality (TCEQ)
  - VoltaGrid, LLC
  - Air Hygiene
- 1.2.2 Industry
  - Natural Gas Transmission and Storage
- 1.2.3 Air Permit and Federal Requirements
  - Permit Number: 177637
  - 40 CFR 60, Subpart JJJJ
  - 40 CFR 63, Subpart ZZZZ
- 1.2.4 Plant Location
  - SAT-1 EGU in San Antonio, Texas
    - GPS Coordinates [Latitude 29.413879, Longitude -98.788164]
    - Physical Address: 14720 Omicron Drive, San Antonio, Texas 78245

- 1.2.5 Equipment Tested
  - Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939
  - End of Test Engine Run Time Hours: 2,371
- 1.2.6 Emission Points
  - Exhaust and inlet from the Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939
  - For all gases, three sample points in the exhaust stack from the Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939, at 16.7, 50.0, and 83.3 percent of the diameter , and one sample point located approximately at the center of the duct for inlet testing
- 1.2.7 Emission Parameters Measured
  - NO<sub>x</sub>
  - CO [inlet and outlet]
  - VOC
  - HCHO
  - O<sub>2</sub> [inlet and outlet]
- 1.2.8 Date of Emission Test
  - March 2, 2026
- 1.2.9 Federal and State Certifications
  - Stack Testing Accreditation Council AETB Certificate No. 3796.02
  - International Standard ISO/IEC 17025:2005 Certificate No. 3796.01
  - Texas NELAP Accreditation No. T104704523; Mobile Lab No. 1M104704523

### 1.3 KEY PERSONNEL

|                 |                 |              |
|-----------------|-----------------|--------------|
| VoltaGrid, LLC: | Korby Bracken   | 307-630-1430 |
| Air Hygiene:    | Michael Plummer | 918-307-8865 |
| Air Hygiene:    | Joseph Childers | 918-307-8865 |

## 2.0 SUMMARY OF TEST RESULTS

Results from the sampling conducted on VoltaGrid, LLC's Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939 located at the SAT-1 EGU on March 2, 2026 are summarized in the following table and relate only to the items tested.

The results of all measured pollutant emissions were below the required limits. HCHO was tested only during 2 of the 3 runs since the unit blacked out causing the FTIR to fail. In order to satisfy ZZZZ requirements, the alternate criteria of inlet and outlet CO was selected to demonstrate compliance. All testing was conducted according to the approved testing protocol.

**TABLE 2.1: ENGINE EMISSIONS REPORT**  
**VOLTAGRID, LLC**  
**JENBACHER, J620 SINGLE GS-J715, UNIT #G02 (OUTLET), SERIAL #1717939**

|                                                                                                                                            |                                                                                                  |                     |                               |                |                                                                                                                                                              |        |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|-------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Test Period:                                                                                                                               | Qtr 1 - 2026                                                                                     |                     | Manufacturing or Rebuild Date |                | Air Permit Number:                                                                                                                                           | 177637 |
| Location:                                                                                                                                  | SAT-1 EGU                                                                                        |                     |                               |                | Unit Number:                                                                                                                                                 | G02    |
| Date:                                                                                                                                      | March 2, 2026                                                                                    |                     | SEP 2024                      |                | Differential Pressure (mbar):                                                                                                                                | 32     |
| Project Number:                                                                                                                            | volt-26-sanantonio.tx-start#3                                                                    |                     |                               |                | Discharge Pressure (psi):                                                                                                                                    | --     |
| Engine Manufacturer:                                                                                                                       | Jenbacher                                                                                        |                     | Federal Regulatory Citation   |                | Stack Exhaust Temperature (°F):                                                                                                                              | --     |
| Engine Model:                                                                                                                              | J620 Single GS-J715                                                                              |                     |                               |                | Rated kW (kW):                                                                                                                                               | 3,300  |
| Engine Serial Number:                                                                                                                      | 1717939                                                                                          |                     |                               |                | Brakehorsepower (bhp):                                                                                                                                       | 4,254  |
| Analyzer Manufacturers:                                                                                                                    | TECO(NOx), TECO(CO), SERV(O2), VIG/VOC (as C <sub>3</sub> H <sub>8</sub> ), AMET(SO2), MKS(HCHO) |                     | Subpart JJJJ                  |                | Engine Fuel Flow (SCFH):                                                                                                                                     | 29,391 |
| Analyzer Model Numbers:                                                                                                                    | 42 series, 48 series, 1440, 210, 721M, 20302030                                                  |                     |                               |                | Specific Gravity:                                                                                                                                            | 0.5734 |
| Date Analyzers Calibrated:                                                                                                                 | March 2, 2026                                                                                    |                     | \$60.4233 and/or \$60.4243    |                | Fuel Heating Value [HHV] (Btu/SCF):                                                                                                                          | 989    |
| Test Results and Calculations:                                                                                                             | Appendix A                                                                                       |                     |                               |                | BSFC (Btu/hp*hr):                                                                                                                                            | 6,835  |
| Emission Data Records:                                                                                                                     | Appendix B                                                                                       |                     |                               |                | Annual Hours Allowed to Operate:                                                                                                                             | 8,760  |
| Calibration Gas Certifications:                                                                                                            | Appendix C                                                                                       |                     |                               |                | Engine Speed (rpm):                                                                                                                                          | 1,505  |
| Quality Assurance and QC Data:                                                                                                             | Appendix D                                                                                       |                     |                               |                | Air Manifold Temp (°F):                                                                                                                                      | --     |
| Fuel Analysis Records:                                                                                                                     | Appendix E                                                                                       |                     |                               |                | Air Manifold Pressure (psi):                                                                                                                                 | --     |
| Ambient Temperature (°F):                                                                                                                  | 77.8                                                                                             |                     |                               |                | End of Test (operating hours):                                                                                                                               | 2,371  |
| Barometric Pressure (in. Hg):                                                                                                              | 28.97                                                                                            |                     |                               |                | Actual kW (kW):                                                                                                                                              | 3,172  |
| Relative Humidity (%):                                                                                                                     | 68                                                                                               |                     |                               |                | Rated Engine Speed (rpm):                                                                                                                                    | 1,500  |
| <b>Emission Test Results</b>                                                                                                               |                                                                                                  |                     |                               |                | Rated Manifold Pressure (in. Hg (abs)):                                                                                                                      | --     |
| <b>Pollutant (units)</b>                                                                                                                   | <b>Stack Test Results</b>                                                                        | <b>State Limits</b> | <b>Federal Limits</b>         | <b>Passing</b> | Engine Load (%):                                                                                                                                             | 96     |
| O <sub>2</sub> (%)                                                                                                                         | 10.73                                                                                            | --                  | --                            | --             | Differential Pressure (in H <sub>2</sub> O):                                                                                                                 | 13     |
| NOx (ppmvd)                                                                                                                                | 2.04                                                                                             | --                  | --                            | --             | -Actual kW available from engine panel and/or site personnel.<br>-Load calculated using Actual kW vs Rated kW.<br>-Brakehorsepower calculated from Actual kW |        |
| CO (ppmvd)                                                                                                                                 | 11.02                                                                                            | --                  | --                            | --             |                                                                                                                                                              |        |
| VOC (as C <sub>3</sub> H <sub>8</sub> ) (ppmvd)                                                                                            | 0.64                                                                                             | --                  | --                            | --             |                                                                                                                                                              |        |
| NOx (ppmvd@15%O <sub>2</sub> )                                                                                                             | 1.19                                                                                             | --                  | 82.00                         | YES            |                                                                                                                                                              |        |
| CO (ppmvd@15%O <sub>2</sub> )                                                                                                              | 6.40                                                                                             | --                  | 270.00                        | YES            |                                                                                                                                                              |        |
| VOC (as C <sub>3</sub> H <sub>8</sub> ) (ppmvd@15%O <sub>2</sub> )                                                                         | 0.37                                                                                             | --                  | 60.00                         | YES            |                                                                                                                                                              |        |
| NOx (lb/hr)                                                                                                                                | 0.13                                                                                             | 0.14                | --                            | YES            |                                                                                                                                                              |        |
| CO (lb/hr)                                                                                                                                 | 0.42                                                                                             | 0.61                | --                            | YES            |                                                                                                                                                              |        |
| VOC (as C <sub>3</sub> H <sub>8</sub> ) (lb/hr)                                                                                            | 0.04                                                                                             | 0.07                | --                            | YES            |                                                                                                                                                              |        |
| NOx (ton/year)                                                                                                                             | 0.56                                                                                             | 0.62                | --                            | YES            |                                                                                                                                                              |        |
| CO (ton/year)                                                                                                                              | 1.84                                                                                             | 2.69                | --                            | YES            |                                                                                                                                                              |        |
| VOC (as C <sub>3</sub> H <sub>8</sub> ) (ton/year)                                                                                         | 0.17                                                                                             | 0.30                | --                            | YES            |                                                                                                                                                              |        |
| NOx (g/hp*hr)                                                                                                                              | 0.01                                                                                             | --                  | 1.00                          | YES            | Tested By: Air Hygiene International, Inc.<br>Tester(s) / Test Unit(s): MP/JC                                                                                |        |
| CO (g/hp*hr)                                                                                                                               | 0.04                                                                                             | --                  | 2.00                          | YES            |                                                                                                                                                              |        |
| VOC (as C <sub>3</sub> H <sub>8</sub> ) (g/hp*hr)                                                                                          | 0.00                                                                                             | --                  | 0.70                          | YES            |                                                                                                                                                              |        |
| All testing conducted according to United States Environmental Protection Agency (EPA), Methods: 1, 3a, 4, 6c, 7e, 10, 19, 18/25a and 320. |                                                                                                  |                     |                               |                |                                                                                                                                                              |        |

## 3.0 SOURCE OPERATION

### 3.1 PROCESS DESCRIPTION

The unit tested was a Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939. The engine is rated at 4,601 horsepower. The engine emissions are vented to the atmosphere through an exhaust system extending from the engine.

### 3.2 SAMPLING LOCATION

The engine exhausts to the atmosphere through independent stack 31 inches in diameter at the test port which is approximately 42 ft above grade level with an exit elevation of approximately 45 ft above grade level. The test port is located approximately 8.4 ft downstream and approximately 2.8 ft upstream from the nearest disturbance. All outlet samples for gaseous emissions were continuously drawn from three points located at 16.7, 50, and 83.3 percent of the stack diameter using a multi-point rake probe. The probe extended at least 0.5 stack diameters from the exit to the atmosphere and at least 2.0 stack diameters from the upstream disturbance. All inlet samples for gaseous emissions were continuously drawn from a single point located approximately at the center of the inlet duct.

## 4.0 SAMPLING AND ANALYTICAL PROCEDURES

### 4.1 TEST METHODS

The emission test on the Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939 at the SAT-1 EGU was performed following United States Environmental Protection Agency (EPA) methods described by the Code of Federal Regulations (CFR). Table 4.1 outlines the specific methods performed on March 2, 2026.

**TABLE 4.1  
SUMMARY OF SAMPLING METHODS**

| Pollutant or Parameter                            | Sampling Method   | Analysis Method                                    |
|---------------------------------------------------|-------------------|----------------------------------------------------|
| Sample Point Location                             | EPA Method 1      | Equal Area Method                                  |
| Oxygen                                            | EPA Method 3A     | Paramagnetic Cell                                  |
| Nitrogen Oxides                                   | EPA Method 7E     | Chemiluminescent Analyzer                          |
| Carbon Monoxide                                   | EPA Method 10     | Nondispersive Infrared Analyzer                    |
| Volatile Organic Compounds/<br>Total Hydrocarbons | EPA Method 18/25A | Gas Chromatograph and<br>Flame Ionization Detector |
| Stack Flow Rate                                   | EPA Method 19     | Dry Oxygen F Factor                                |
| Calibration Gas Dilution                          | EPA Method 205    | Mass Flow Controller                               |
| Formaldehyde                                      | EPA Method 320    | Fourier Transform Infrared                         |

## 4.2 INSTRUMENT CONFIGURATION AND OPERATIONS FOR GAS ANALYSIS

The sampling and analysis procedures used during these tests conform with the methods outlined in the Code of Federal Regulations (CFR), Title 40, Part 60, Appendix A, Methods 1, 3A, 4, 7E, 10, 18/25A, 19; 40 CFR 51, Appendix M, Method 205; and 40 CFR 63, Appendix A, Method 320.

Figure 4.1 depicts the sample system used for the real-time gas analyzer tests. The gas sample was continuously pulled through the probe and transported, via heat-traced Teflon® tubing, to a heated head pump and into the FTIR then to a stainless-steel minimum-contact condenser designed to dry the sample. Transportation of the sample, through Teflon® tubing, continued into the sample manifold within the mobile laboratory via a stainless steel/Teflon® diaphragm pump. From the manifold, the sample was partitioned to the real-time analyzers through rotameters that controlled the flow rate of the sample.

Figure 4.1 shows that the sample system was also equipped with a separate path through which a calibration gas could be delivered to the probe and back through the entire sampling system. This allowed for convenient performance of system bias checks as required by the testing methods.

All instruments were housed in a climate controlled, trailer-mounted mobile laboratory. Gaseous calibration standards were provided in aluminum cylinders with concentrations certified by the vendor. EPA Protocol No. 1 was used to determine the cylinder concentrations where applicable (i.e., NO<sub>x</sub> calibration gases).

Table 4.2 provides a description of the analyzers used for the instrument portion of the tests. All data from the continuous monitoring instruments were recorded on a Logic Beach Portable Data Logging System which retrieves calibrated electronic data from each instrument every one second and reports an average of the collected data every 30 seconds. For target compounds measured with the Fourier transform infrared (FTIR) spectrometer, interferograms consisting of 27 co-added scans were recorded continuously during the test periods and provided approximately 30-second average concentrations. Spectral data was analyzed by the MKS MG2000 software.

Three test runs of approximately 60 minutes each were conducted on the Jenbacher, J620 Single GS-J715, Unit #G02, Serial #1717939 at the maximum test load for NO<sub>x</sub>. CO, VOC and O<sub>2</sub> on the exhaust, CO on the inlet, and two test runs for HCHO on the exhaust.

The stack gas analysis for O<sub>2</sub> concentrations was performed in accordance with procedures set forth in EPA Method 3A. The O<sub>2</sub> analyzer uses a paramagnetic cell detector.

EPA Method 7E was used to determine concentrations of NO<sub>x</sub>. A chemiluminescent analyzer was used to determine the nitrogen oxides concentration in the gas stream. A NO<sub>2</sub> in air manufacturer-certified gas cylinder was used to verify at least a 90 percent NO<sub>2</sub> conversion on the day of the test.

CO emission concentrations were quantified in accordance with procedures set forth in EPA Method 10. A continuous nondispersive infrared (NDIR) analyzer was used for this purpose.

VOC emission concentrations were quantified in accordance with principles set forth in EPA Method 18 and 25A. A VIG 210 was used for this purpose. The VIG 210 includes both a conventional total hydrocarbon (THC) analyzer and an automated gas chromatograph (GC) for determining VOCs. Two FIDs (flame ionization detectors) were used for the measurements: one for the THC channel and the other for the automated GC which measured methane, ethane, and residual (VOCs). During each sample period gas sample is injected directly to the first FID. This detector responded to all hydrocarbons in the sample and is used as a traditional FID as needed. For VOC sampling, a heated gas sampling valve is used for direct injection of the gas on the GC column per Method 18, Section 8.2.2. The GC column separates hydrocarbon components based on their molecular

configurations, weights, and boiling points. In this application, the analyzer used the gas chromatograph column to separate methane and ethane from the heavier residual hydrocarbons (i.e., VOCs). Methane eluted from the sample first, it was immediately detected by the second FID; ethane eluted from the column second and was also detected by the second FID. The flow in the GC column was reversed (backflushed) and the residual components were recombined and detected by the second FID as residual VOCs. Peak residual (VOC) values are reported by the analyzer between each sample period. EPA Method 7E bias and drift check criterion was used to validate data instead of EPA Method 18 recovery studies as it has more stringent and comprehensive quality assurance procedures. EPA Protocol No. 1 traceable propane calibration gas was used to calibrate the residual channel of the analyzer and the calibration procedure followed the requirements of EPA Method 25A. In this application, the target compound was VOC (non-methane, non-ethane hydrocarbon); therefore, the methane, ethane, and total hydrocarbon channels of the analyzer were not formally calibrated.

A MKS Instruments - MultiGas™ Fourier Transform Infrared (FTIR) spectrometer, or equivalent, was used for HCHO analysis per EPA Method 320. The Max Acquisition or Series 2000 MultiGas Analyzer Software collects and processes all the infrared spectral data and uses a Classical Least Squares regression method for the quantitative analysis. The FTIR spectrometer spectral resolution was  $0.5\text{ cm}^{-1}$  with a Medium Norton Beer Apodization. The system employed:

- a silicon carbide infrared source at  $1200^{\circ}\text{C}$
- a helium neon reference laser
- potassium bromide (KBr), barium fluoride ( $\text{BaF}_2$ ), or zinc selenide ( $\text{ZnSe}$ ) cell window
- potassium bromide (KBr) beam splitter with germanium (Ge) coating
- front-surface optical transfer mirrors
- a 5.11 m multi-pass gas cell

A wide band MCT detector was utilized that allows measurements to be made from  $600 - 5,000\text{ cm}^{-1}$ , the detector was cooled with liquid nitrogen to maintain a constant temperature of 77 Kelvin. The MKS 5.11-meter multi-pass "white" cell incorporates aspheric, aberration-correcting mirrors to increase the optical throughput and the detection sensitivity. A Baratron® pressure transducer and thermocouples were connected directly to the insulated sample cells that provide the pressure and temperatures of the sample streams. During testing, the temperature of the absorption cells was set at  $191^{\circ}\text{C}$ . The elevated temperature prevented gas condensation within the cell and minimized compound adhesion to the cell walls and mirrors. The volume of the absorption cell was approximately 0.2 liters, so at a sample gas flow rate of 4.0 liters per minute, the sample gas in the cell is refreshed approximately four times each minute. Interferograms consisting of 30 co-added scans were recorded continuously during the test periods and provided approximately 30-second average concentrations.

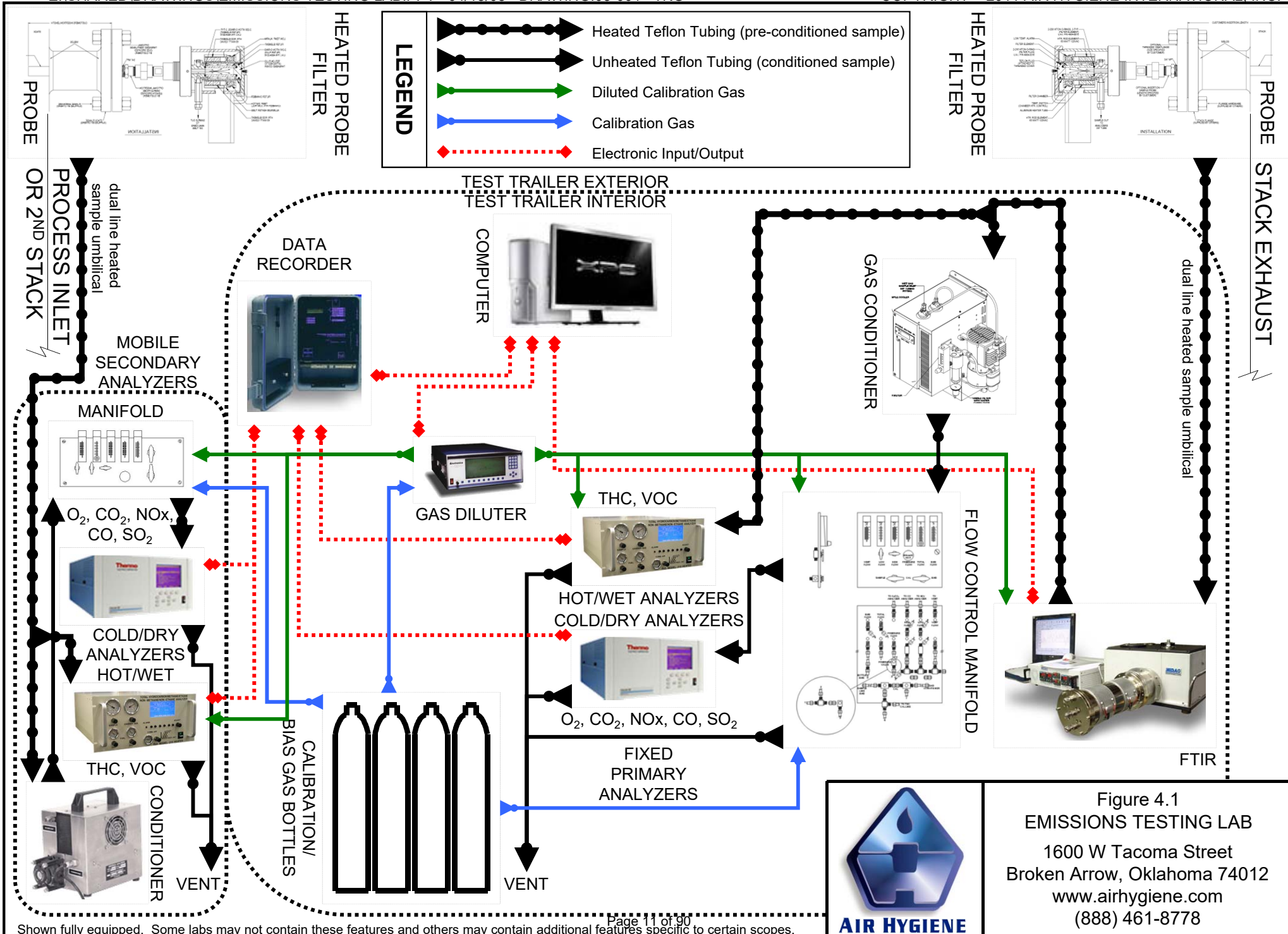
Daily quality checks included direct pre and post-test Calibration Transfer Standard (CTS) spectra, injecting a compound with known and stable concentration (i.e.,  $\text{CO}_2$ ,  $\text{CH}_4$ , or  $\text{C}_2\text{H}_4$ ) through the FTIR to verify the average of five scans was within five percent of the expected concentration. Additional quality checks included, triplicate, dynamic spiking procedure that included a direct measurement of the spike target (i.e., HCHO,  $\text{CH}_4$ ,  $\text{NH}_3$ , etc. at times with a  $\text{SF}_6$  tracer gas) to determine the detectable concentration, followed by alternating four scan samples of native stack gas and spiked stack gas (e.g., stack gas displaced by a 10 percent volume of the known target). A successful dynamic spike returns the target compound between 70 and 130 percent of the expected concentration at a dilution ratio less than 0.1, when feasible.

The calibration gas dilutions were performed in accordance with procedures set forth in EPA Method 205. The gas dilutor uses a mass flow controller and processing software to create user specified blends and concentrations of target calibration gases. Per the method requirements field verification was performed by introducing a mid-level supply gas directly into the analyzer, bypassing the gas dilution system. The procedure was repeated for a total of three mid-level supply gas injections. The difference between the certified concentration of the mid-level supply gas and the average instrument response was within two percent. Also, documentation of the date of the

most recent dilution system calibration against flow standards and the name of the manufacturer who carried out the calibration is in the report.

**TABLE 4.2**  
**ANALYTICAL INSTRUMENTATION**

| Parameter                         | Manufacturer and Model | Range                                | Sensitivity | Detection Principle                                                                                                                                          |
|-----------------------------------|------------------------|--------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO <sub>x</sub>                   | THERMO 42 series       | User may select up to 5,000 ppm      | 0.1 ppm     | Thermal reduction of NO <sub>2</sub> to NO. Chemiluminescence of reaction of NO with O <sub>3</sub> . Detection by PMT. Inherently linear for listed ranges. |
| CO [inlet and outlet]             | THERMO 48 series       | User may select up to 10,000 ppm     | 0.1 ppm     | Infrared absorption, gas filter correlation detector, microprocessor-based linearization.                                                                    |
| HCHO                              | MKS 2030               | User may select from multiple ranges | 0.1 ppm     | Fourier Transform Infrared – FTIR                                                                                                                            |
| Calibration Gas Dilution          | ENVIRONICS 4040        | User may select conc. and flow rate  | 0.1 ppm     | Mass Flow Controller                                                                                                                                         |
| VOC                               | VIG 210                | User may select up to 10,000 ppm     | 0.1 ppm     | GC Column and Flame Ionization Detector                                                                                                                      |
| O <sub>2</sub> [inlet and outlet] | SERVOMEX 1440          | 0-25%                                | 0.1%        | Paramagnetic cell, inherently linear.                                                                                                                        |



**APPENDIX A**

**TEST RESULTS AND CALCULATIONS**

# EMISSION CALCULATIONS SUMMARY TABLES

Company: VoltaGrid, LLC  
 Engine Tested: Jenbacher, J620 Single GS-J715, Unit #G04  
 Engine Serial #: 1717956

Date: March 4, 2026  
 Location: SAT-1 EGU

## Stack Gas Flow Rate: Method 19

| Test #  | Brake Horsepower | O <sub>2</sub> Conc. (%) | Fuel Heating [HHV] Value (Btu/SCF) | F Factor-Dry Oxy. (DSCFex/MMBtu) | Fuel Flow (SCF/hr) | Stack Flow (DSCF/hr) |
|---------|------------------|--------------------------|------------------------------------|----------------------------------|--------------------|----------------------|
| 1       | 4,154            | 10.54                    | 989                                | 8,650.91                         | 28,520             | 492,654              |
| 2       | 4,185            | 10.52                    | 989                                | 8,650.91                         | 29,155             | 502,416              |
| 3       | 4,185            | 10.52                    | 989                                | 8,650.91                         | 29,117             | 501,578              |
| Average | 4,175            | 10.53                    | 989                                | 8,650.91                         | 28,931             | 498,882              |

## Stack Moisture: Calculated

| Test #  | Brake Horsepower | Moisture (%) |
|---------|------------------|--------------|
| 1       | 4,154            | 10.41        |
| 2       | 4,185            | 11.11        |
| 3       | 4,185            | 11.07        |
| Average | 4,175            | 10.86        |

## NOx Mass Emission Rate

| Test #  | Brake Horsepower | NOx Conc. (ppmvd) | MW    | E (g/hp*hr) | E (lb/hr) | E (ton/yr) | NOx @15%O <sub>2</sub> (ppmvd) |
|---------|------------------|-------------------|-------|-------------|-----------|------------|--------------------------------|
| 1       | 4,154            | 2.13              | 46.01 | 0.01        | 0.13      | 0.55       | 1.21                           |
| 2       | 4,185            | 2.22              | 46.01 | 0.01        | 0.13      | 0.58       | 1.26                           |
| 3       | 4,185            | 2.24              | 46.01 | 0.01        | 0.13      | 0.59       | 1.27                           |
| Average | 4,175            | 2.19              | 46.01 | 0.01        | 0.13      | 0.57       | 1.25                           |

## CO Mass Emission Rate

| Test #  | Brake Horsepower | CO Conc. (ppmvd) | MW    | E (g/hp*hr) | E (lb/hr) | E (ton/yr) | CO @15%O <sub>2</sub> (ppmvd) |
|---------|------------------|------------------|-------|-------------|-----------|------------|-------------------------------|
| 1       | 4,154            | 7.90             | 28.00 | 0.03        | 0.28      | 1.24       | 4.50                          |
| 2       | 4,185            | 7.33             | 28.00 | 0.03        | 0.27      | 1.17       | 4.17                          |
| 3       | 4,185            | 7.25             | 28.00 | 0.03        | 0.26      | 1.16       | 4.12                          |
| Average | 4,175            | 7.50             | 28.00 | 0.03        | 0.27      | 1.19       | 4.26                          |

## VOC (as C<sub>3</sub>H<sub>8</sub>) Mass Emission Rate

| Test #  | Brake Horsepower | VOC (as C <sub>3</sub> H <sub>8</sub> ) Conc. (ppmvd) | MW    | E (g/hp*hr) | E (lb/hr) | E (ton/yr) | VOC (as C <sub>3</sub> H <sub>8</sub> ) @15%O <sub>2</sub> (ppmvd) |
|---------|------------------|-------------------------------------------------------|-------|-------------|-----------|------------|--------------------------------------------------------------------|
| 1       | 4,154            | 0.06                                                  | 44.00 | 0.00        | 0.00      | 0.02       | 0.04                                                               |
| 2       | 4,185            | 0.04                                                  | 44.00 | 0.00        | 0.00      | 0.01       | 0.02                                                               |
| 3       | 4,185            | 0.00                                                  | 44.00 | 0.00        | 0.00      | 0.00       | 0.00                                                               |
| Average | 4,175            | 0.03                                                  | 44.00 | 0.00        | 0.00      | 0.01       | 0.02                                                               |

## Destruction Efficiency

| Target                | Outlet | Inlet  | % Destruction |
|-----------------------|--------|--------|---------------|
| CO - CO Conc. (ppmvd) | 7.50   | 312.10 | 97.60         |

# Calculations, Formulas, and Constants

The following information supports the spreadsheets for this testing project.

## Given Data:

Ideal Gas Conversion Factor = 385.23 SCF/lb-mol at 68 deg F & 14.696 psia

Fuel Heating Value is based upon Air Hygiene's fuel gas calculation sheet. All calculations are based upon a correction to 68 deg F & 14.696 psia

High Heating Values (HHV) are used for the Fuel Heating Value, F-Factor, and Fuel Flow Data per EPA requirements.

### ASTM D 3588

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Molecular Weight of NOx (lb/lb-mole) =                                  | 46.01 |
| Molecular Weight of CO (lb/lb-mole) =                                   | 28.00 |
| Molecular Weight of SO <sub>2</sub> (lb/lb-mole) =                      | 64.00 |
| Molecular Weight of THC (propane) (lb/lb-mole) =                        | 44.00 |
| Molecular Weight of VOC (methane) (lb/lb-mole) =                        | 16.00 |
| Molecular Weight of NH <sub>3</sub> (lb/lb-mole) =                      | 17.03 |
| Molecular Weight of HCHO (lb/lb-mole) =                                 | 30.03 |
| Molecular Weight of CO <sub>2</sub> and N <sub>2</sub> O (lb/lb-mole) = | 44.01 |

## Formulas:

- Corrected Raw Average (C<sub>Gas</sub>), 40CFR60, App. A, RM 7E, Eq. 7E-5 (08/15/06)

$$C_{Gas} = (C_{Avg} - C_O) \times \left( \frac{C_M}{C_M - C_O} \right)$$

- Correction to % O<sub>2</sub>, 40CFR60, App. A, RM 20, Eq. 20-5 (11/26/02)

$$C_{adj} = C_{Gas(Target)} \times \left( \frac{20.9\% - AdjFactor}{20.9\% - C_{Gas(O_2)}} \right)$$

- Correction to % O<sub>2</sub> and ISO Conditions

$$C_{ISO} = C_{Adj} \times \sqrt{\frac{P_r}{P_o}} \times e^{(19 \times (H_o - 0.00633))} \times \left( \frac{288}{T_a} \right)^{1.53}$$

- Method 19 stack exhaust flow (scfh) [ref. EPA EMC FAQ Method 19]

$$Q_s = \left( \frac{FFactor \times Q_f \times HHV}{1,000,000} \right) \times \left( \frac{20.9\%}{20.9\% - C_{Gas(O_2)}} \right)$$

### 40CFR60, App. A, RM 19, Table 19-1

|                                                                |                 |
|----------------------------------------------------------------|-----------------|
| Conversion Constant for NOx =                                  | 0.0000001194351 |
| Conversion Constant for CO =                                   | 0.0000000726839 |
| Conversion Constant for SO <sub>2</sub> =                      | 0.0000001661345 |
| Conversion Constant for THC =                                  | 0.0000001142175 |
| Conversion Constant for VOC (methane) =                        | 0.0000000415336 |
| Conversion Constant for NH <sub>3</sub> =                      | 0.0000000442074 |
| Conversion Constant for HCHO =                                 | 0.0000000779534 |
| Conversion Constant for CO <sub>2</sub> and N <sub>2</sub> O = | 0.0000001142434 |

NOTE: units are lb/ppm\*ft<sup>3</sup>

- Emission Rate in lb/hr

$$E_{lb/hr} = \frac{C_{Gas}}{10^6} \times \frac{Q_s \times MW}{G}$$

- Emission Rate in tons per year

$$E_{ton/yr} = \frac{E_{lb/hr} \times hr_{year}}{2000}$$

- Emission Concentration in lb/MMBtu (O<sub>2</sub> based)

$$E_{lb/MMBtu} = \frac{C_{Gas} \times F_d Factor \times Conv_C \times 20.9\%}{20.9\% - C_{Gas(O_2)}}$$

- Emission Concentration in g/hp\*hr

$$E_{g/hp-hr} = \frac{E_{lb/hr} \times 453.6}{nmv \times 1341.022} \text{ or } \frac{E_{lb/hr} \times 453.6}{hp}$$

## EXAMPLE CALCULATIONS (FFACTOR)

RM 19, (02-27-14),  
2.0 Summary of Method,  
2.1 Emission Rates. Oxygen (O<sub>2</sub>)  
or carbon dioxide (CO<sub>2</sub>)  
concentrations and appropriate F  
factors (ratios of combustion gas  
volumes to heat inputs) are used  
to calculate pollutant emission  
rates from pollutant  
concentrations.

RM 19, (02-27-14),  
12.2 Emission Rates of PM,  
SO<sub>2</sub>, and NO<sub>x</sub>. Select from the  
following sections the applicable  
procedure to compute the PM,  
SO<sub>2</sub>, or NO<sub>x</sub> emission rate (E) in  
lb/MMBtu. The pollutant  
concentration must be in lb/scf  
and the F factor must be in  
scf/MMBtu. If the pollutant  
concentration (C) is not in the  
appropriate units, use Table  
19-1 in Section 17.0 to make the  
proper conversion. An F factor is  
the ratio of the gas volume of the  
products of combustion to the  
heat content of the fuel. The dry  
F factor (F<sub>d</sub>) includes all  
components of combustion less  
water, the wet F factor (F<sub>w</sub>)  
includes all components of  
combustion, and the carbon F  
factor (F<sub>c</sub>) includes only carbon  
dioxide.

Mark's Std Hdbk, 10th ed., pg 4-26

**High Heat Value Dry (HHV<sub>dry</sub>)**, calc for Methane (single component for the fuel gas)

$$HHV_{dry} (Btu / SCF) = \left[ \left( \frac{M_{\%}}{100} \right) \times GCM \right] \quad HHV_{dry} = \frac{95.98 \%}{100.00} \times \frac{994.85 \text{ Btu}}{SCF} = \frac{954.83 \text{ Btu}}{SCF}$$

Mark's Std Hdbk, 10th ed., pg 4-26

**Low Heat Value Dry (LHV<sub>dry</sub>)**, calc for Methane (single component for the fuel gas)

$$LHV_{dry} (Btu / SCF) = \left[ \left( \frac{M_{\%}}{100} \right) \times NCM \right] \quad LHV_{dry} = \frac{95.98 \%}{100.00} \times \frac{895.75 \text{ Btu}}{SCF} = \frac{859.72 \text{ Btu}}{SCF}$$

Civil Eng. Ref. Man., 7th Ed., pg 14-9/GPA Ref. Bulletin 181-86, App. C

**High Heat Value Wet (HHV<sub>wet</sub>)**, calc for entire sample (all components of the fuel gas)

$$HHV_{wet} (Btu / SCF) = \frac{HHV_{dry}}{W / D. factor} \quad HHV_{wet} = \frac{989.32 \text{ Btu/SCF}}{1.0236} = 966.51 \text{ Btu/SCF}$$

Civil Eng. Ref. Man., 7th Ed., pg 14-9/GPA Ref. Bulletin 181-86, App. C

**Low Heat Value Wet (LHV<sub>wet</sub>)**, calc for entire sample (all components of the fuel gas)

$$LHV_{wet} (Btu / SCF) = \frac{LHV_{dry}}{W / D. factor} \quad LHV_{wet} = \frac{891.29 \text{ Btu/SCF}}{1.0236} = 870.74 \text{ Btu/SCF}$$

**Lbs Component per Lb-Mol of Gas (CM)**, calc for Methane (single component for the fuel gas)

$$CM (lb / lb - mol) = \left[ \left( \frac{M_{\%}}{100} \right) \times MW \right] \quad CM = \frac{95.98 \%}{100.00} \times \frac{16.04 \text{ lb}}{lb - mol} = 15.40 \text{ lb/lb-mol}$$

ASTM D 3588

**Fuel Molecular Weight (MW<sub>Fuel</sub>)**

$$MW_{Fuel} (lb / lb - mol) = \sum (CM) \quad MW_{Fuel} = 15.40 \text{ lb/lb-mol} + 0.55 \text{ lb/lb-mol} + \text{etc.} = 16.608 \text{ lb/lb-mol}$$

**Btu per Lb of Gas Gross (GCV)**

$$GCV (Btu / lb) = \left[ \frac{HHV_{dry} \times G}{MW_{Fuel}} \right] \quad GCV = \frac{989.32 \text{ Btu/SCF} \times 385.23 \text{ ft}^3/\text{lbmol}}{16.608 \text{ lb/lb-mol}} = 22,947.26 \text{ Btu/lb}$$

ASTM D 3588 (SG)

**Specific Gravity**

$$SG = \left[ \frac{MW_{Fuel}}{MW_{AIR}} \right] \quad SG = \frac{16.61 \text{ lb/lb-mol}}{28.96 \text{ lb/lb-mol}} = 0.5734$$

**Btu per Lb of Gas Net (NCV)**

$$NCV (Btu / lb) = \left[ \frac{LHV_{dry} \times G}{MW_{Fuel}} \right] \quad NCV = \frac{891.29 \text{ Btu/SCF} \times 385.23 \text{ ft}^3/\text{lbmol}}{16.608 \text{ lb/lb-mol}} = 20,673.47 \text{ Btu/lb}$$

**Weight Percent of Component (C<sub>%</sub>), methane**

$$C_{\%} (\%) = \left[ \left( \frac{CM}{MW_{Fuel}} \right) \times 100 \right] \quad C_{\%} = \frac{15.40 \text{ lb/lb-mol}}{16.61 \text{ lb/lb-mol}} \times 100 = 92.71 \%$$

**Weight Percent of Volatile Organic Compounds (VOC<sub>%</sub>)**

$$VOC_{\%} (\%) = \left[ \sum_{C_3H_8}^{C_8H_{18}} Wt_{\%} \right] \quad VOC_{\%} = 0.20 \% + 0.02 \% + 0.04 \% + \text{etc.} = 0.30 \%$$

RM 19, (02-27-14), 12.3.2 Determined **F Factors**. If the fuel burned is not listed in Table 19-2 or if the owner or operator chooses to determine an F factor rather than use the values in Table 19-2, use the procedure below: 12.3.2.1 Equations. Use the eq

RM 19, (02-27-14),

12.1 Nomenclature

**K (scf/lb)/%**

|                |      |
|----------------|------|
| H              | 3.64 |
| C              | 1.53 |
| S              | 0.57 |
| N <sub>2</sub> | 0.14 |
| O <sub>2</sub> | 0.46 |

$$F_d = \frac{K(K_{hd} \%H + K_c \%C + K_s \%S + K_n \%N - K_o \%O)}{GCV} \quad \text{Eq. 19-13}$$

$$F_d = \frac{10^6 \text{ Btu}}{\text{MMBtu}} \times \left[ \frac{3.64 \text{ SCF}}{\text{lb} \cdot \%} \times 24.02 \% + \frac{1.53 \text{ SCF}}{\text{lb} \cdot \%} \times 72.40 \% + \frac{0.57 \text{ SCF}}{\text{lb} \cdot \%} \times 0.00 \% + \frac{0.14 \text{ SCF}}{\text{lb} \cdot \%} \times 3.28 \% - \frac{0.46 \text{ SCF}}{\text{lb} \cdot \%} \times 0.30 \% \right] \times \frac{\text{lb}}{22,947.26 \text{ Btu}} = \frac{8,650.91 \text{ SCF}}{\text{MMBtu}}$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

## EXAMPLE CALCULATIONS (INFORMATION)

### Specific Humidity (RH<sub>sp</sub>)

Note: RH<sub>sp</sub> (gr/lb) calculated using temperature, relative humidity, and barometric pressure with psychrometric chart, psychrometric calculator, or built in psychrometric algorithm.

$$RH_{sp} (lb/lb) = \left[ \left( \frac{gr}{lb} \right) \times \frac{lb}{7000 gr} \right]$$

$$RH_{sp} = \frac{63.09 \text{ gr}}{lb} \times \frac{1 lb}{7000 \text{ gr}} = 0.009012 \frac{lb \text{ H}_2\text{O}}{lb \text{ Air}}$$

### Calculated Stack Gas Moisture Content (B<sub>ws</sub>)

RM 4, (02-27-14), 16.4 Using F-factors to determine moisture is an acceptable alternative to Method 4 for a combustion stack not using a scrubber. If this option is selected, calculate the moisture content as follows: [with corrected equations from the Final Rule: Revisions to Test Methods and Testing Regulations]

$$B_{ws} (\%) = B_H (\%) + B_A (\%) + B_F (\%)$$

$$B_{ws} = 8.87 \% + 1.43 \% + 0.11 \% = 10.41 \%$$

$$B_{ws} (\%) = \left[ \left( 1 - \frac{F_d}{F_w} \right) \left( \frac{20.9 - O_2}{20.9} \right) \right] + \left[ \left( \frac{\% RH}{100 \times P_{bar}} \right) \times 10^{\left\{ \frac{6.6912 - \left( \frac{3144}{T + 390.86} \right)}{100} \right\}} \right] + \left[ \frac{0.0036 \times \left\{ 2.36 \times \frac{18.015}{MW_{Gas}} \right\}^2 + 0.075 \times \left\{ 2.36 \times \frac{18.015}{MW_{Gas}} \right\}}{100} \right] \left( \frac{20.9 - O_2}{20.9} \right)$$

B<sub>H</sub> = mole fraction of moisture from the hydrogen in fuel

$$B_H (\%) = \left\{ 1 - \frac{8650.9}{10538.0} \right\} \left\{ \frac{20.9 - 10.54}{20.9} \right\} = 8.87 \%$$

$$W (\%, \text{ by weight}) = 2.36 \text{ mol\%} \times \frac{18.015}{16.608} = 2.5599 \%$$

2.36 mol% = %H<sub>2</sub>O (mol%) at EPA Standard Conditions (68°F and 14.696psia); MW<sub>water</sub> = 18.015 lb/lb-mol

B<sub>A</sub> = mole fraction of moisture in the ambient air

$$B_A (\%) = \frac{33}{100 \times 28.97} \times \left\{ 6.6912 - \frac{3144}{86 + 390.86} \right\} = 1.43 \%$$

B<sub>F</sub> = mole fraction of moisture from free water in the fuel

$$B_F (\%) = \left\{ \frac{0.0036 \times 2.5599^2 + 0.075 \times 2.5599}{100} \right\} \left\{ \frac{20.9 - 10.54}{20.9} \right\} = 0.11 \%$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

## EXAMPLE CALCULATIONS (CALIBRATION)

### Analyzer Calibration Error

RM 7E, (02-27-14), 12.2 Analyzer Calibration Error. For non-dilution systems, use Equation 7E-1 to calculate the analyzer calibration error for the low-, mid-, and high-level calibration gases. (calc for NOx analyzer mid gas, if applicable)

$$ACE = \left( \frac{C_{Dir} - C_Y}{CS} \right) \times 100$$

Eq. 7E-1

$$ACE = \frac{5.01 \text{ ppm} - 5.00 \text{ ppm}}{10.00 \text{ ppm}} \times 100 = 0.10 \%$$

### Calibration Error and Estimated Point, RM 25A, THC/VOC Analyzer

RM 25A, (02-27-14), 8.4 Calibration Error Test. Immediately prior to the test series (within 2 hours of the start of the test), introduce zero gas and high-level calibration gas at the calibration valve assembly. Adjust the analyzer output to the appropriate levels, if necessary. Calculate the predicted response for the low-level and mid-level gases based on a linear response line between the zero and high-level response. Then introduce low-level and mid-level calibration gases successively to the measurement system. ... These differences must be less than 5 percent of the respective calibration gas value. (calc for THC/VOC analyzer mid gas, if applicable)

$$E_p = \frac{C_{Dir(H)} - C_{Dir(Z)}}{C_{V(H)} - C_{V(Z)}} \times C_{Dir(M)} + C_{Dir(Z)}$$

Eq. of a line  
y=mx+b

$$E_p = \frac{6.90 \text{ ppm} - 0.01 \text{ ppm}}{7.00 \text{ ppm} - 0.00 \text{ ppm}} \times 4.00 \text{ ppm} + 0.01 = 3.94 \text{ ppm}$$

$$ACE = \left( \frac{C_{Dir} - C_Y}{CS} \right) \times 100$$

Eq. 7E-1

$$ACE_{VOC} = \frac{3.99 \text{ ppm} - 3.94 \text{ ppm}}{4.00 \text{ ppm}} \times 100 = 1.29 \%$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

### EXAMPLE CALCULATIONS (BIAS, DRIFT, AND CORRECTED RAW AVERAGE)

#### System Bias

RM 7E, (02-27-14), 12.3 System Bias. For non-dilution systems, use Equation 7E-2 to calculate the system bias separately for the low-level and upscale calibration gases. (calc for NOx analyzer upscale gas, Run 1 initial bias, if applicable)

$$SB = \left( \frac{C_S - C_{Dir}}{C_S} \right) \times 100 \quad \text{Eq. 7E-2} \quad SB = \frac{5.04 \text{ ppm} - 5.01 \text{ ppm}}{10.00 \text{ ppm}} \times 100 = 0.30 \%$$

#### Drift Assessment

RM 7E, (02-27-14), 12.5 Drift Assessment. Use Equation 7E-4 to separately calculate the low-level and upscale drift over each test run. (calc for NOx analyzer upscale drift, Run 1, if applicable)

$$D = |SB_{final} - SB_i| \quad \text{Eq. 7E-4} \quad D = |0.20 \% - 0.30 \%| = 0.10 \%$$

#### Bias Adjusted Average

RM 7E, (02-27-14), 12.6 Effluent Gas Concentration. For each test run, calculate Cavg, the arithmetic average of all valid NOx concentration values (e.g., 1-minute averages). Then adjust the value of Cavg for bias, using Equation 7E-5b. (calc for NOx analyzer, Run 1, if applicable)

$$C_{Gas} = (C_{Avg} - C_O) \times \left( \frac{C_{M1}}{C_M - C_O} \right) \quad \text{Eq. 7E-5b} \quad C_{Gas} = \left( 2.14 \text{ ppm} - -0.01 \text{ ppm} \right) \left( \frac{5.00 \text{ ppm}}{5.04 \text{ ppm} - -0.01 \text{ ppm}} \right) = 2.13 \text{ ppm}$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

Using HHV with  $Q_f$  (SCFH)

$$BSFC \text{ (Btu / hp} \cdot \text{hr)} = \frac{HHV \times Q_f}{bhp}$$

$$BSFC = \frac{989 \text{ Btu}}{\text{SCF}} \times \frac{28,931 \text{ SCFH}}{4,175 \text{ hp}} = \frac{6,855 \text{ Btu}}{\text{hp} \cdot \text{hr}}$$

#### EXAMPLE CALCULATIONS (RUNS)

##### Stack Exhaust Flow ( $Q_s$ ) - RM19

$$Q_s = \left( \frac{FFactor \times Q_f \times HHV}{1,000,000} \right) \times \left( \frac{20.9\%}{20.9\% - C_{Gas(O_2)}} \right)$$

Note: Equation presented in EPA Emission Measurement Center (EMC), Frequently Asked Questions (FAQ) for Method 19

$$Q_s = \frac{8,650.91 \text{ SCF}}{\text{MMBtu}} \times \frac{28,520.12 \text{ SCF}}{\text{hr}} \times \frac{989.32 \text{ Btu}}{\text{SCF}} \times \frac{\text{MMBtu}}{10^6 \text{ Btu}} \times \left( \frac{20.90\%}{20.9\% - 10.5\%} \right) = 492,653.55 \text{ SCFH}$$

##### Diluent-Corrected Pollutant Concentration, $O_2$ Based

RM 20, (11-26-02), 7.3.1 Correction of Pollutant Concentration Using  $O_2$  Concentration. Calculate the  $O_2$  corrected pollutant concentration, as follows: (calc for NOx gas, Run 1, if applicable) [now contained in applicable Subpart]

$$C_{adj} = C_{Gas(Targ et)} \times \left( \frac{20.9\% - AdjFactor}{20.9\% - C_{Gas(O_2)}} \right) \quad \text{Eq. 20-4} \quad C_{adj} = 2.13 \text{ ppm} \times \left( \frac{20.9\% - 15.00\%}{20.9\% - 10.54\%} \right) = 1.21 \text{ ppm@15}\%O_2$$

#### EXAMPLE CALCULATIONS (RUNS)

##### Emissions Rate (lb/hr)

Calculation for pound per hour emission rate. Calculate, as follows: (calc for NOx gas Run 1, if applicable)

$$E_{lb/hr} = \frac{C_{Gas}}{10^6} \times \frac{Q_s \times MW}{G} \quad E_{lb/hr} = \frac{2.13 \text{ ppmvd}}{10^6 \text{ ppm/part}} \times \frac{492,654 \text{ DSCFH} \times 46.01 \text{ lb/lb-mol}}{385.23 \text{ SCF/lb-mol}} = \frac{0.13 \text{ lb}}{\text{hr}}$$

##### Emissions Rate (ton/year)

Calculation for tons per year emission rate based on 8760 hours per year. Calculate, as follows: (calc for NOx gas Run 1, if applicable)

$$E_{ton/yr} = \frac{E_{lb/hr} \times hr_{year}}{2000} \quad E_{ton/yr} = \frac{0.13 \text{ lb}}{\text{hr}} \times \frac{8,760 \text{ hr}}{\text{year}} \times \frac{\text{ton}}{2000 \text{ lb}} = \frac{0.55 \text{ ton}}{\text{year}}$$

##### Emissions Rate (g/hp-hr)

Calculation for grams per horsepower-hour. Calculate, as follows: (calc for NOx gas Run 1, if applicable)

$$E_{g/hp-hr} = \frac{E_{lb/hr} \times 453.6}{mv \times 1341.022} \text{ or } \frac{E_{lb/hr} \times 453.6}{hp} \quad E_{g/hp-hr} = \frac{0.13 \text{ lb}}{\text{hr}} \times \frac{453.6 \text{ g}}{\text{lb}} \times \frac{1}{4,154 \text{ hp}} = \frac{0.01 \text{ g}}{\text{hp} \cdot \text{hr}}$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

**RM 7E, (08-15-06), 12.1 Nomenclature. The terms used in the equations are defined as follows:**

ACE = Analyzer calibration error, percent of calibration span.  
B<sub>WS</sub> = Moisture content of sample gas as measured by Method 4 or other approved method, percent/100.  
C<sub>AVG</sub> = Average unadjusted gas concentration indicated by data recorder for the test run.  
C<sub>D</sub> = Pollutant concentration adjusted to dry conditions.  
C<sub>Dir</sub> = Measured concentration of a calibration gas (low, mid, or high) when introduced in direct calibration mode.  
C<sub>Gas</sub> = Average effluent gas concentration adjusted for bias.  
C<sub>M</sub> = Average of initial and final system calibration bias (or 2-point system calibration error) check responses for the upscale calibration gas.  
C<sub>MA</sub> = Actual concentration of the upscale calibration gas, ppmv.  
C<sub>O</sub> = Average of the initial and final system calibration bias (or 2-point system calibration error) check responses from the low-level (or zero) calibration gas.  
C<sub>S</sub> = Measured concentration of a calibration gas (low, mid, or high) when introduced in system calibration mode.  
C<sub>SS</sub> = Concentration of NO<sub>x</sub> measured in the spiked sample.  
C<sub>Spike</sub> = Concentration of NO<sub>x</sub> in the undiluted spike gas.  
C<sub>Calc</sub> = Calculated concentration of NO<sub>x</sub> in the spike gas diluted in the sample.  
C<sub>V</sub> = Manufacturer certified concentration of a calibration gas (low, mid, or high).  
C<sub>W</sub> = Pollutant concentration measured under moist sample conditions, wet basis.  
CS = Calibration span.  
D = Drift assessment, percent of calibration span.  
E<sub>p</sub> = The predicted response for the low-level and mid-level gases based on a linear response line between the zero and high-level response.  
Eff<sub>NO<sub>2</sub></sub> = NO<sub>2</sub> to NO converter efficiency, percent.  
H = High calibration gas, designator.  
L = Low calibration gas, designator.  
M = Mid calibration gas, designator.  
NO<sub>Final</sub> = The average NO concentration observed with the analyzer in the NO mode during the converter efficiency test in Section 16.2.2.  
NO<sub>x</sub>Corr = The NO<sub>x</sub> concentration corrected for the converter efficiency.  
NO<sub>x</sub>Final = The final NO<sub>x</sub> concentration observed during the converter efficiency test in Section 16.2.2.  
NO<sub>x</sub>Peak = The highest NO<sub>x</sub> concentration observed during the converter efficiency test in Section 16.2.2.  
Q<sub>Spike</sub> = Flow rate of spike gas introduced in system calibration mode, L/min.  
Q<sub>Total</sub> = Total sample flow rate during the spike test, L/min.  
R = Spike recovery, percent.  
SB = System bias, percent of calibration span.  
SB<sub>i</sub> = Pre-run system bias, percent of calibration span.  
SB<sub>f</sub> = Post-run system bias, percent of calibration span.  
SB / D<sub>Alt</sub> = Alternative absolute difference criteria to pass bias and/or drift checks.  
SCE = System calibration error, percent of calibration span.  
SCE<sub>i</sub> = Pre-run system calibration error, percent of calibration span.  
SCE<sub>Final</sub> = Post-run system calibration error, percent of calibration span.  
Z = Zero calibration gas, designator.

**40CFR60.355(b)(1), (09-20-06), Nomenclature. The terms used in the equations are defined as follows:**

P<sub>r</sub> = reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg  
P<sub>o</sub> = observed combustor inlet absolute pressure at test, mm Hg  
H<sub>o</sub> = observed humidity of ambient air, g H<sub>2</sub>O/g air  
e = transcendental constant, 2.718  
T<sub>a</sub> = ambient temperature, K

**Small Engine and FTIR Nomenclature. The terms used in the equations are defined as follows:**

bhp = brake horsepower  
hp = horsepower  
Q<sub>sys</sub> = system flow (lpm)  
Q<sub>m</sub> = matrix spike flow (lpm)

**RM 19, (07-29-06), 12.1 Nomenclature. The terms used in the equations are defined as follows:**

AdjFactor = Percent oxygen or carbon dioxide adjustment applied to a target pollutant  
 $B_{wa}$  = Moisture fraction of ambient air, percent.  
 Btu = British thermal unit  
 $\%C$  = Concentration of carbon from an ultimate analysis of fuel, weight percent.  
 $\%CO_{2d}, \%CO_{2w}$  = Concentration of carbon dioxide on a dry and wet basis, respectively, percent.  
 CIP / CDP = Combustor inlet pressure / compressor discharge pressure (mm Hg); note, some manufactures reference as PCD.  
 E = Pollutant emission rate, ng/J (lb/million Btu).  
 $E_a$  = Average pollutant rate for the specified performance test period, ng/J (lb/million Btu).  
 $E_{aor}, E_{ai}$  = Average pollutant rate of the control device, outlet and inlet, respectively, for the performance test period, ng/J (lb/million Btu).  
 $E_{bi}$  = Pollutant rate from the steam generating unit, ng/J (lb/million Btu).  
 $E_{bo}$  = Pollutant emission rate from the steam generating unit, ng/J (lb/million Btu).  
 $E_{ci}$  = Pollutant rate in combined effluent, ng/J (lb/million Btu).  
 $E_{co}$  = Pollutant emission rate in combined effluent, ng/J (lb/million Btu).  
 $E_d$  = Average pollutant rate for each sampling period (e.g., 24-hr Method 6B sample or 24-hr fuel sample) or for each fuel lot (e.g., amount of fuel bunkered), ng/J (lb/million Btu).  
 $E_{di}$  = Average inlet  $SO_2$  rate for each sampling period d, ng/J (lb/million Btu).  
 $E_g$  = Pollutant rate from gas turbine, ng/J (lb/million Btu).  
 $E_{ga}$  = Daily geometric average pollutant rate, ng/J (lb/million Btu) or ppm corrected to 7 percent  $O_2$ .  
 $E_{j}, E_{j}$  = Matched pair hourly arithmetic average pollutant rate, outlet and inlet, respectively, ng/J (lb/million Btu) or ppm corrected to 7 percent  $O_2$ .  
 $E_{hj}$  = Hourly average pollutant, ng/J (lb/million Btu).  
 $E_{hj}$  = Hourly arithmetic average pollutant rate for hour "j," ng/J (lb/million Btu) or ppm corrected to 7 percent  $O_2$ .  
 EXP = Natural logarithmic base (2.718) raised to the value enclosed by brackets.  
 Fc = Ratio of the volume of carbon dioxide produced to the gross calorific value of the fuel from Method 19  
 $F_d, F_w, F_c$  = Volumes of combustion components per unit of heat content, scm/J (scf/million Btu).  
 $ft^3$  = cubic feet  
 G = ideal gas conversion factor  
 (385.23 SCF/lb-mol at 68 deg F & 14.696 psia)  
 GCM = gross Btu per SCF (constant, compound based)  
 GCV = Gross calorific value of the fuel consistent with the ultimate analysis, kJ/kg (Btu/lb).  
 $GCV_p, GCV_r$  = Gross calorific value for the product and raw fuel lots, respectively, dry basis, kJ/kg (Btu/lb).  
 $\%H$  = Concentration of hydrogen from an ultimate analysis of fuel, weight percent.  
 $H_b$  = Heat input rate to the steam generating unit from fuels fired in the steam generating unit, J/hr (million Btu/hr).  
 $H_g$  = Heat input rate to gas turbine from all fuels fired in the gas turbine, J/hr (million Btu/hr).  
 $\%H_2O$  = Concentration of water from an ultimate analysis of fuel, weight percent.  
 $H_t$  = Total numbers of hours in the performance test period (e.g., 720 hours for 30-day performance test period).  
 K = volume of combustion component per pound of component (constant)  
 K = Conversion factor,  $10^{-5}$  (kJ/J)/(%) [ $10^6$  Btu/million Btu].  
 $K_c = (9.57 \text{ scm/kg})/\% [(1.53 \text{ scf/lb})/\%]$ .  
 $K_{cc} = (2.0 \text{ scm/kg})/\% [(0.321 \text{ scf/lb})/\%]$ .  
 $K_{hd} = (22.7 \text{ scm/kg})/\% [(3.64 \text{ scf/lb})/\%]$ .  
 $K_{hw} = (34.74 \text{ scm/kg})/\% [(5.57 \text{ scf/lb})/\%]$ .  
 $K_n = (0.86 \text{ scm/kg})/\% [(0.14 \text{ scf/lb})/\%]$ .  
 $K_o = (2.85 \text{ scm/kg})/\% [(0.46 \text{ scf/lb})/\%]$ .  
 $K_s = (3.54 \text{ scm/kg})/\% [(0.57 \text{ scf/lb})/\%]$ .  
 $K_{sulfur} = 2 \times 10^4 \text{ Btu/wt\%MMBtu}$   
 $K_w = (1.30 \text{ scm/kg})/\% [(0.21 \text{ scf/lb})/\%]$ .  
 lb = pound  
 ln = Natural log of indicated value.  
 $L_p, L_r$  = Weight of the product and raw fuel lots, respectively, metric ton (ton).  
 $\%N$  = Concentration of nitrogen from an ultimate analysis of fuel, weight percent.  
 $M\%$  = mole percent  
 mol = mole  
 MW = molecular weight (lb/lb-mol)  
 $MW_{AIR}$  = molecular weight of air ( 28.9625 lb/lb-mole)<sup>1</sup>  
 NCM = net Btu per SCF (constant based on compound)  
 $\%O$  = Concentration of oxygen from an ultimate analysis of fuel, weight percent.  
 $\%CO_{2d}, \%CO_{2w}$  = Concentration of oxygen on a dry and wet basis, respectively, percent.  
 $P_B$  = barometric pressure, in Hg  
 $P_s$  = Potential  $SO_2$  emissions, percent.  
 $\%S$  = Sulfur content of as-fired fuel lot, dry basis, weight percent.  
 $S_e$  = Standard deviation of the hourly average pollutant rates for each performance test period, ng/J (lb/million Btu).  
 $\%S_r$  = Concentration of sulfur from an ultimate analysis of fuel, weight percent.  
 $S(wt\%)$  = weight percent of sulfur, per lab analysis by appropriate ASTM standard  
 $S_i$  = Standard deviation of the hourly average inlet pollutant rates for each performance test period, ng/J (lb/million Btu).  
 $S_o$  = Standard deviation of the hourly average emission rates for each performance test period, ng/J (lb/million Btu).  
 $\%S_p, \%S_r$  = Sulfur content of the product and raw fuel lots respectively, dry basis, weight percent.  
 SCF = standard cubic feet  
 SH = specific humidity, pounds of water per pound of air  
 $t_{0.95}$  = Values shown in Table 19-3 for the indicated number of data points n.  
 $T_{amb}$  = ambient temperature, °F  
 $W/D$  Factor = 1.0236 = conv. at 14.696 psia and  
 68 deg F (ref. Civil Eng. Ref. Manual, 7th Ed.)  
 $X_{CO_2}$  =  $CO_2$  Correction factor, percent.  
 $X_k$  = Fraction of total heat input from each type of fuel k.

**APPENDIX B**

**EMISSION DATA RECORDS**

| VoltaGrid, LLC            |                               |
|---------------------------|-------------------------------|
| Air Permit Number:        | 177637                        |
| Plant Name or Location:   | SAT-1 EGU                     |
| Date:                     | March 2, 2026                 |
| Project Number:           | volt-26-sanantonio.tx-start#3 |
| Manufacturer & Equipment: | Jenbacher                     |
| Model:                    | J620 Single GS-J715           |
| Serial Number:            | 1717939                       |
| Unit Number:              | G02                           |
| Test Load:                | >90                           |
| Tester(s) / Test Unit(s): | MP/JC                         |

|                       |                     | RUN      |          |          |          |          |          |
|-----------------------|---------------------|----------|----------|----------|----------|----------|----------|
|                       | UNITS               | 1        | 2        | 3        | 1-inlet  | 2-inlet  | 3-inlet  |
| Start Time            | hh:mm:ss            | 14:15:14 | 15:33:14 | 10:44:20 | 7:53:20  | 9:11:20  | 10:44:20 |
| End Time              | hh:mm:ss            | 15:14:44 | 16:32:44 | 11:43:50 | 8:52:50  | 10:10:50 | 11:43:50 |
| Bar. Pressure         | in. Hg              | 28.95    | 28.96    | 28.97    | 28.97    | 28.97    | 28.97    |
| Amb. Temp.            | °F                  | 84       | 84       | 77       | 72       | 73       | 77       |
| Rel. Humidity         | %                   | 43       | 43       | 74       | 88       | 83       | 74       |
| Spec. Humidity        | lb water / lb air   | 0.011058 | 0.011054 | 0.015233 | 0.015325 | 0.014942 | 0.015233 |
| Date                  | mm/dd/yy            | 03/02/26 | 03/02/26 | 03/04/26 | 03/04/26 | 03/04/26 | 03/04/26 |
| Engine Fuel Flow      | Nm <sup>3</sup> /hr | 809.0    | 814.0    | 775.0    | 775.0    | 776.0    | 775.0    |
| Engine Fuel Flow      | SCFH                | 30,200   | 30,387   | 28,931   | 28,931   | 28,968   | 28,931   |
| Stack Moisture        | % Calculated        | 10.55    | 10.55    | 11.23    | 11.41    | 11.36    | 11.23    |
| Brakehorsepower       | bhp                 | 4,397    | 4,407    | 4,173    | 4,181    | 4,193    | 4,173    |
| Rated kW              | kW                  | 3,300    | 3,300    | 3,300    | 3,300    | 3,300    | 3,300    |
| Rated Engine Speed    | rpm                 | 1,500    | 1,500    | 1,500    | 1,500    | 1,500    | 1,500    |
| Actual kW             | kW                  | 3,279    | 3,286    | 3,112    | 3,118    | 3,127    | 3,112    |
| Engine Load           | %                   | 99.4     | 99.6     | 94.3     | 94.5     | 94.8     | 94.3     |
| Engine Speed          | rpm                 | 1,505    | 1,505    | 1,505    | 1,504.6  | 1,504.8  | 1,505    |
| Differential Pressure | mbar                | 31.5     | 32.4     | 31.4     | 31.4     | 31.1     | 31.4     |
| End of Test           | operating hours     | 2,371    |          |          | 2,371    |          |          |
| Differential Pressure | in H <sub>2</sub> O | 12.6     | 13.0     | 12.6     | 12.6     | 13.0     | 12.6     |

-Actual kW available from engine panel and/or site personnel.

-Load calculated using Actual kW vs Rated kW.

-Brakehorsepower calculated from Actual kW

Created with Comp&RATA&Eng-AHI v20251002

VoltaGrid, LLC  
 March 2, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (outlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 1

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | O <sub>2</sub><br>(%vd) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) | HCHO<br>(ppmvw) | H <sub>2</sub> O<br>(%) |
|--------------------|--------------------|---------------------------|-------------------------|----------------|---------------|----------------------------------------------------|-----------------|-------------------------|
| 03/02/26           | 14:15:14           | 30950                     | 10.72                   | 1.50           | 10.99         | 0.35                                               | 0.27            | 11.14                   |
| 03/02/26           | 14:15:44           | 30980                     | 10.71                   | 1.37           | 10.88         | 0.35                                               | 0.16            | 11.11                   |
| 03/02/26           | 14:16:14           | 31010                     | 10.74                   | 1.38           | 10.84         | 0.35                                               | 0.27            | 11.16                   |
| 03/02/26           | 14:16:44           | 31040                     | 10.72                   | 1.45           | 10.91         | 0.35                                               | 0.13            | 11.14                   |
| 03/02/26           | 14:17:14           | 31070                     | 10.71                   | 1.41           | 10.93         | 0.35                                               | 0.20            | 11.11                   |
| 03/02/26           | 14:17:44           | 31100                     | 10.74                   | 1.40           | 10.83         | 0.35                                               | 0.16            | 11.15                   |
| 03/02/26           | 14:18:14           | 31130                     | 10.73                   | 1.56           | 10.96         | 0.35                                               | 0.03            | 11.12                   |
| 03/02/26           | 14:18:44           | 31160                     | 10.74                   | 1.49           | 10.88         | 1.13                                               | 0.19            | 11.15                   |
| 03/02/26           | 14:19:14           | 31190                     | 10.73                   | 1.48           | 10.95         | 1.38                                               | 0.26            | 11.19                   |
| 03/02/26           | 14:19:44           | 31220                     | 10.72                   | 1.48           | 10.95         | 1.38                                               | 0.18            | 11.24                   |
| 03/02/26           | 14:20:14           | 31250                     | 10.72                   | 1.50           | 10.93         | 1.37                                               | 0.21            | 11.24                   |
| 03/02/26           | 14:20:44           | 31280                     | 10.71                   | 1.53           | 10.89         | 1.38                                               | 0.13            | 11.25                   |
| 03/02/26           | 14:21:14           | 31310                     | 10.71                   | 1.52           | 10.94         | 1.38                                               | 0.25            | 11.22                   |
| 03/02/26           | 14:21:44           | 31340                     | 10.70                   | 1.57           | 10.97         | 1.38                                               | 0.19            | 11.23                   |
| 03/02/26           | 14:22:14           | 31370                     | 10.71                   | 1.60           | 10.98         | 1.38                                               | 0.20            | 11.22                   |
| 03/02/26           | 14:22:44           | 31400                     | 10.69                   | 1.54           | 10.96         | 3.09                                               | 0.25            | 11.22                   |
| 03/02/26           | 14:23:14           | 31430                     | 10.69                   | 1.54           | 10.95         | 3.62                                               | 0.18            | 11.22                   |
| 03/02/26           | 14:23:44           | 31460                     | 10.69                   | 1.50           | 10.95         | 3.61                                               | 0.18            | 11.21                   |
| 03/02/26           | 14:24:14           | 31490                     | 10.69                   | 1.61           | 10.99         | 3.61                                               | 0.16            | 11.23                   |
| 03/02/26           | 14:24:44           | 31520                     | 10.70                   | 1.63           | 11.01         | 3.61                                               | 0.19            | 11.21                   |
| 03/02/26           | 14:25:14           | 31550                     | 10.70                   | 1.63           | 10.95         | 3.61                                               | 0.16            | 11.21                   |
| 03/02/26           | 14:25:44           | 31580                     | 10.71                   | 1.66           | 11.04         | 3.62                                               | 0.24            | 11.21                   |
| 03/02/26           | 14:26:14           | 31610                     | 10.71                   | 1.68           | 10.97         | 3.61                                               | 0.19            | 11.21                   |
| 03/02/26           | 14:26:44           | 31640                     | 10.71                   | 1.75           | 11.03         | 3.66                                               | 0.32            | 11.19                   |
| 03/02/26           | 14:27:14           | 31670                     | 10.72                   | 1.82           | 10.97         | 3.68                                               | 0.16            | 11.16                   |
| 03/02/26           | 14:27:44           | 31700                     | 10.72                   | 1.82           | 10.92         | 3.68                                               | 0.20            | 11.16                   |
| 03/02/26           | 14:28:14           | 31730                     | 10.72                   | 1.82           | 11.02         | 3.67                                               | 0.06            | 11.16                   |
| 03/02/26           | 14:28:44           | 31760                     | 10.72                   | 1.79           | 11.04         | 3.67                                               | 0.19            | 11.15                   |
| 03/02/26           | 14:29:14           | 31790                     | 10.71                   | 1.67           | 10.99         | 3.67                                               | 0.20            | 11.18                   |
| 03/02/26           | 14:29:44           | 31820                     | 10.72                   | 1.74           | 10.98         | 3.68                                               | 0.20            | 11.18                   |
| 03/02/26           | 14:30:14           | 31850                     | 10.71                   | 1.88           | 11.06         | 3.68                                               | 0.17            | 11.17                   |
| 03/02/26           | 14:30:44           | 31880                     | 10.73                   | 1.72           | 10.99         | 0.99                                               | 0.15            | 11.19                   |
| 03/02/26           | 14:31:14           | 31910                     | 10.74                   | 1.84           | 10.99         | 0.12                                               | 0.14            | 11.18                   |
| 03/02/26           | 14:31:44           | 31940                     | 10.72                   | 1.84           | 11.05         | 0.11                                               | 0.38            | 11.18                   |
| 03/02/26           | 14:32:14           | 31970                     | 10.72                   | 1.71           | 11.06         | 0.11                                               | 0.21            | 11.17                   |
| 03/02/26           | 14:32:44           | 32000                     | 10.72                   | 1.81           | 11.04         | 0.11                                               | 0.21            | 11.18                   |
| 03/02/26           | 14:33:14           | 32030                     | 10.72                   | 1.81           | 11.07         | 0.11                                               | 0.18            | 11.15                   |
| 03/02/26           | 14:33:44           | 32060                     | 10.72                   | 1.84           | 11.02         | 0.11                                               | 0.13            | 11.18                   |
| 03/02/26           | 14:34:14           | 32090                     | 10.70                   | 1.94           | 11.04         | 0.11                                               | 0.10            | 11.16                   |
| 03/02/26           | 14:34:44           | 32120                     | 10.70                   | 1.94           | 11.00         | 0.23                                               | 0.28            | 11.20                   |
| 03/02/26           | 14:35:14           | 32150                     | 10.70                   | 1.93           | 11.01         | 0.27                                               | 0.20            | 11.20                   |
| 03/02/26           | 14:35:44           | 32180                     | 10.71                   | 1.97           | 11.07         | 0.28                                               | 0.21            | 11.19                   |
| 03/02/26           | 14:36:14           | 32210                     | 10.69                   | 1.89           | 11.09         | 0.27                                               | 0.13            | 11.19                   |
| 03/02/26           | 14:36:44           | 32240                     | 10.70                   | 1.87           | 11.09         | 0.27                                               | 0.17            | 11.18                   |
| 03/02/26           | 14:37:14           | 32270                     | 10.69                   | 1.85           | 11.03         | 0.27                                               | 0.07            | 11.17                   |
| 03/02/26           | 14:37:44           | 32300                     | 10.70                   | 1.86           | 10.96         | 0.28                                               | 0.03            | 11.19                   |
| 03/02/26           | 14:38:14           | 32330                     | 10.69                   | 1.98           | 11.08         | 0.28                                               | 0.17            | 11.17                   |
| 03/02/26           | 14:38:44           | 32360                     | 10.70                   | 2.01           | 11.05         | 2.49                                               | 0.17            | 11.12                   |
| 03/02/26           | 14:39:14           | 32390                     | 10.70                   | 1.76           | 10.98         | 3.16                                               | 0.33            | 11.12                   |
| 03/02/26           | 14:39:44           | 32420                     | 10.71                   | 1.86           | 10.99         | 3.16                                               | 0.29            | 11.12                   |
| 03/02/26           | 14:40:14           | 32450                     | 10.71                   | 1.92           | 10.94         | 3.16                                               | 0.30            | 11.13                   |
| 03/02/26           | 14:40:44           | 32480                     | 10.71                   | 1.85           | 11.03         | 3.16                                               | 0.32            | 11.09                   |
| 03/02/26           | 14:41:14           | 32510                     | 10.71                   | 1.76           | 10.98         | 3.16                                               | 0.14            | 11.10                   |
| 03/02/26           | 14:41:44           | 32540                     | 10.73                   | 1.82           | 10.93         | 3.16                                               | 0.12            | 11.11                   |
| 03/02/26           | 14:42:14           | 32570                     | 10.71                   | 1.92           | 10.93         | 3.16                                               | 0.19            | 11.12                   |
| 03/02/26           | 14:42:44           | 32600                     | 10.72                   | 1.96           | 11.02         | 1.08                                               | 0.30            | 11.15                   |
| 03/02/26           | 14:43:14           | 32630                     | 10.74                   | 2.00           | 10.90         | 0.45                                               | 0.21            | 11.19                   |
| 03/02/26           | 14:43:44           | 32660                     | 10.73                   | 2.13           | 11.04         | 0.45                                               | 0.22            | 11.18                   |
| 03/02/26           | 14:44:14           | 32690                     | 10.72                   | 1.77           | 11.01         | 0.45                                               | 0.21            | 11.17                   |
| 03/02/26           | 14:44:44           | 32720                     | 10.73                   | 1.66           | 10.98         | 0.45                                               | 0.10            | 11.13                   |
| 03/02/26           | 14:45:14           | 32750                     | 10.73                   | 1.97           | 11.00         | 0.45                                               | 0.31            | 11.11                   |
| 03/02/26           | 14:45:44           | 32780                     | 10.74                   | 2.08           | 10.94         | 0.45                                               | 0.16            | 11.15                   |
| 03/02/26           | 14:46:14           | 32810                     | 10.73                   | 1.91           | 10.98         | 0.45                                               | 0.18            | 11.14                   |
| 03/02/26           | 14:46:44           | 32840                     | 10.73                   | 1.92           | 10.94         | 0.10                                               | 0.38            | 11.10                   |
| 03/02/26           | 14:47:14           | 32870                     | 10.74                   | 2.00           | 10.95         | -0.01                                              | 0.14            | 11.14                   |
| 03/02/26           | 14:47:44           | 32900                     | 10.74                   | 1.98           | 11.00         | 0.00                                               | 0.30            | 11.08                   |
| 03/02/26           | 14:48:14           | 32930                     | 10.72                   | 2.03           | 11.03         | 0.00                                               | 0.16            | 11.10                   |
| 03/02/26           | 14:48:44           | 32960                     | 10.74                   | 1.97           | 10.99         | 0.00                                               | 0.13            | 11.09                   |
| 03/02/26           | 14:49:14           | 32990                     | 10.72                   | 2.46           | 10.94         | 0.00                                               | 0.06            | 11.10                   |
| 03/02/26           | 14:49:44           | 33020                     | 10.72                   | 2.03           | 11.03         | 0.00                                               | 0.16            | 11.12                   |
| 03/02/26           | 14:50:14           | 33050                     | 10.71                   | 1.96           | 10.99         | 0.00                                               | 0.29            | 11.13                   |
| 03/02/26           | 14:50:44           | 33080                     | 10.71                   | 1.95           | 10.99         | 0.84                                               | 0.20            | 11.13                   |
| 03/02/26           | 14:51:14           | 33110                     | 10.71                   | 2.08           | 10.99         | 1.10                                               | 0.21            | 11.12                   |
| 03/02/26           | 14:51:44           | 33140                     | 10.72                   | 2.13           | 10.99         | 1.10                                               | 0.05            | 11.11                   |

VoltaGrid, LLC  
 March 2, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (outlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 1

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | O <sub>2</sub><br>(%vd) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) | HCHO<br>(ppmvw) | H <sub>2</sub> O<br>(%) |
|--------------------|--------------------|---------------------------|-------------------------|----------------|---------------|----------------------------------------------------|-----------------|-------------------------|
| 03/02/26           | 14:52:14           | 33170                     | 10.71                   | 2.28           | 11.04         | 1.10                                               | 0.08            | 11.13                   |
| 03/02/26           | 14:52:44           | 33200                     | 10.70                   | 2.20           | 10.98         | 1.10                                               | 0.17            | 11.14                   |
| 03/02/26           | 14:53:14           | 33230                     | 10.69                   | 2.12           | 10.99         | 1.10                                               | 0.21            | 11.11                   |
| 03/02/26           | 14:53:44           | 33260                     | 10.70                   | 2.33           | 10.96         | 1.10                                               | 0.12            | 11.08                   |
| 03/02/26           | 14:54:14           | 33290                     | 10.71                   | 2.30           | 10.95         | 1.10                                               | 0.14            | 11.07                   |
| 03/02/26           | 14:54:44           | 33320                     | 10.72                   | 2.17           | 10.96         | 1.36                                               | 0.33            | 11.08                   |
| 03/02/26           | 14:55:14           | 33350                     | 10.73                   | 2.22           | 10.93         | 1.44                                               | 0.32            | 11.16                   |
| 03/02/26           | 14:55:44           | 33380                     | 10.73                   | 2.33           | 10.96         | 1.44                                               | 0.12            | 11.17                   |
| 03/02/26           | 14:56:14           | 33410                     | 10.72                   | 2.35           | 11.00         | 1.44                                               | 0.11            | 11.17                   |
| 03/02/26           | 14:56:44           | 33440                     | 10.71                   | 2.26           | 11.01         | 1.44                                               | 0.20            | 11.14                   |
| 03/02/26           | 14:57:14           | 33470                     | 10.73                   | 2.39           | 10.94         | 1.44                                               | 0.05            | 11.11                   |
| 03/02/26           | 14:57:44           | 33500                     | 10.72                   | 2.35           | 10.90         | 1.44                                               | 0.09            | 11.10                   |
| 03/02/26           | 14:58:14           | 33530                     | 10.73                   | 2.18           | 10.89         | 1.44                                               | 0.24            | 11.09                   |
| 03/02/26           | 14:58:44           | 33560                     | 10.73                   | 2.39           | 10.94         | 0.53                                               | 0.23            | 11.10                   |
| 03/02/26           | 14:59:14           | 33590                     | 10.73                   | 2.24           | 10.93         | 0.26                                               | 0.21            | 11.09                   |
| 03/02/26           | 14:59:44           | 33620                     | 10.73                   | 2.10           | 10.93         | 0.26                                               | 0.30            | 11.11                   |
| 03/02/26           | 15:00:14           | 33650                     | 10.74                   | 2.16           | 10.89         | 0.25                                               | 0.19            | 11.10                   |
| 03/02/26           | 15:00:44           | 33680                     | 10.74                   | 2.36           | 10.91         | 0.26                                               | 0.25            | 11.09                   |
| 03/02/26           | 15:01:14           | 33710                     | 10.75                   | 2.28           | 10.87         | 0.25                                               | 0.24            | 11.15                   |
| 03/02/26           | 15:01:44           | 33740                     | 10.73                   | 2.16           | 10.91         | 0.25                                               | 0.10            | 11.15                   |
| 03/02/26           | 15:02:14           | 33770                     | 10.72                   | 2.18           | 10.90         | 0.25                                               | 0.35            | 11.11                   |
| 03/02/26           | 15:02:44           | 33800                     | 10.71                   | 2.04           | 10.91         | 0.33                                               | 0.13            | 11.09                   |
| 03/02/26           | 15:03:14           | 33830                     | 10.72                   | 2.03           | 10.88         | 0.36                                               | 0.07            | 11.11                   |
| 03/02/26           | 15:03:44           | 33860                     | 10.73                   | 2.12           | 10.95         | 0.36                                               | 0.09            | 11.11                   |
| 03/02/26           | 15:04:14           | 33890                     | 10.73                   | 2.09           | 10.92         | 0.36                                               | 0.16            | 11.10                   |
| 03/02/26           | 15:04:44           | 33920                     | 10.72                   | 2.14           | 10.97         | 0.36                                               | 0.01            | 11.11                   |
| 03/02/26           | 15:05:14           | 33950                     | 10.71                   | 2.17           | 10.99         | 0.36                                               | 0.14            | 11.10                   |
| 03/02/26           | 15:05:44           | 33980                     | 10.71                   | 2.30           | 11.00         | 0.36                                               | 0.22            | 11.15                   |
| 03/02/26           | 15:06:14           | 34010                     | 10.70                   | 2.36           | 10.99         | 0.35                                               | 0.24            | 11.12                   |
| 03/02/26           | 15:06:44           | 34040                     | 10.70                   | 2.48           | 10.90         | 2.61                                               | 0.22            | 11.16                   |
| 03/02/26           | 15:07:14           | 34070                     | 10.71                   | 2.46           | 10.99         | 3.29                                               | 0.12            | 11.16                   |
| 03/02/26           | 15:07:44           | 34100                     | 10.71                   | 2.45           | 11.00         | 3.29                                               | 0.19            | 11.12                   |
| 03/02/26           | 15:08:14           | 34130                     | 10.72                   | 2.23           | 10.99         | 3.29                                               | 0.28            | 11.13                   |
| 03/02/26           | 15:08:44           | 34160                     | 10.71                   | 2.33           | 11.01         | 3.29                                               | 0.20            | 11.14                   |
| 03/02/26           | 15:09:14           | 34190                     | 10.71                   | 2.51           | 10.98         | 3.29                                               | 0.19            | 11.15                   |
| 03/02/26           | 15:09:44           | 34220                     | 10.71                   | 2.51           | 11.00         | 3.29                                               | 0.16            | 11.14                   |
| 03/02/26           | 15:10:14           | 34250                     | 10.71                   | 2.32           | 10.92         | 3.29                                               | 0.24            | 11.13                   |
| 03/02/26           | 15:10:44           | 34280                     | 10.72                   | 2.35           | 10.94         | 1.60                                               | 0.26            | 11.12                   |
| 03/02/26           | 15:11:14           | 34310                     | 10.72                   | 2.46           | 10.97         | 1.09                                               | 0.13            | 11.10                   |
| 03/02/26           | 15:11:44           | 34340                     | 10.72                   | 2.36           | 10.95         | 1.09                                               | 0.09            | 11.07                   |
| 03/02/26           | 15:12:14           | 34370                     | 10.73                   | 2.36           | 10.92         | 1.09                                               | 0.16            | 11.07                   |
| 03/02/26           | 15:12:44           | 34400                     | 10.74                   | 2.46           | 11.02         | 1.09                                               | 0.23            | 11.08                   |
| 03/02/26           | 15:13:14           | 34430                     | 10.72                   | 2.41           | 10.97         | 1.09                                               | 0.16            | 11.09                   |
| 03/02/26           | 15:13:44           | 34460                     | 10.72                   | 2.39           | 10.98         | 1.09                                               | 0.15            | 10.47                   |
| 03/02/26           | 15:14:14           | 34490                     | 10.73                   | 2.55           | 11.06         | 1.08                                               | 0.13            | 11.06                   |
| 03/02/26           | 15:14:44           | 34520                     | 10.56                   | 2.52           | 11.05         | 1.09                                               | 0.11            | 11.08                   |

**RAW AVERAGE**                      **10.72**      **1.98**      **10.97**      **1.37**      **0.19**      **11.14**

|                 | O <sub>2</sub><br>(%) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) | HCHO<br>(ppmvw) | H <sub>2</sub> O<br>(%) |
|-----------------|-----------------------|----------------|---------------|----------------------------------------------------|-----------------|-------------------------|
| Serial Number:  | INST-22-0007          | INST-NX-0027   | INST-CO-0051  | INST-VC-0006                                       | 510             | 510                     |
| Initial Zero    | 0.04                  | -0.07          | -0.05         | 0.00                                               |                 |                         |
| Final Zero      | 0.05                  | -0.12          | -0.02         | -0.01                                              |                 |                         |
| Avg. Zero       | 0.05                  | -0.10          | -0.04         | -0.01                                              |                 |                         |
| Initial UpScale | 11.92                 | 4.87           | 9.96          | 1.99                                               |                 |                         |
| Final UpScale   | 11.93                 | 5.00           | 10.02         | 1.97                                               |                 |                         |
| Avg. UpScale    | 11.93                 | 4.94           | 9.99          | 1.98                                               |                 |                         |
| Upscale Cal Gas | 11.96                 | 5.00           | 10.00         | 2.00                                               |                 |                         |

| EMISSIONS DATA                                | O <sub>2</sub> | NOx  | CO    | VOC (as C <sub>3</sub> H <sub>8</sub> ) | HCHO |
|-----------------------------------------------|----------------|------|-------|-----------------------------------------|------|
| Corrected Raw Average (ppm/% [vol] dry basis) | 10.74          | 2.06 | 10.98 | 1.54                                    | 0.21 |
| Corrected Raw Average (ppm/% [vol] wet basis) | 9.60           | 1.85 | 9.82  | 1.37                                    | 0.19 |

VoltaGrid, LLC  
 March 2, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (outlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 2

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | O <sub>2</sub><br>(%vd) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) | HCHO<br>(ppmvw) | H <sub>2</sub> O<br>(%) |
|--------------------|--------------------|---------------------------|-------------------------|----------------|---------------|----------------------------------------------------|-----------------|-------------------------|
| 03/02/26           | 15:33:14           | 35630                     | 10.70                   | 2.38           | 10.92         | -0.01                                              | 0.11            | 11.05                   |
| 03/02/26           | 15:33:44           | 35660                     | 10.71                   | 2.67           | 10.89         | -0.01                                              | 0.10            | 11.08                   |
| 03/02/26           | 15:34:14           | 35690                     | 10.71                   | 2.78           | 10.96         | -0.01                                              | 0.08            | 11.05                   |
| 03/02/26           | 15:34:44           | 35720                     | 10.72                   | 2.31           | 10.91         | -0.01                                              | 0.24            | 11.04                   |
| 03/02/26           | 15:35:14           | 35750                     | 10.72                   | 2.44           | 10.93         | -0.01                                              | 0.26            | 11.02                   |
| 03/02/26           | 15:35:44           | 35780                     | 10.72                   | 2.50           | 10.93         | -0.01                                              | 0.21            | 11.05                   |
| 03/02/26           | 15:36:14           | 35810                     | 10.73                   | 2.55           | 10.94         | -0.01                                              | 0.19            | 11.07                   |
| 03/02/26           | 15:36:44           | 35840                     | 10.72                   | 2.69           | 10.96         | -0.01                                              | 0.18            | 11.07                   |
| 03/02/26           | 15:37:14           | 35870                     | 10.71                   | 2.52           | 10.94         | 0.00                                               | 0.34            | 11.03                   |
| 03/02/26           | 15:37:44           | 35900                     | 10.72                   | 2.59           | 10.91         | -0.01                                              | 0.08            | 11.02                   |
| 03/02/26           | 15:38:14           | 35930                     | 10.72                   | 2.62           | 10.94         | -0.01                                              | 0.20            | 11.05                   |
| 03/02/26           | 15:38:44           | 35960                     | 10.72                   | 2.37           | 10.88         | -0.01                                              | 0.13            | 11.05                   |
| 03/02/26           | 15:39:14           | 35990                     | 10.74                   | 2.34           | 10.93         | 0.00                                               | 0.16            | 11.05                   |
| 03/02/26           | 15:39:44           | 36020                     | 10.75                   | 2.24           | 10.96         | 0.00                                               | 0.14            | 11.09                   |
| 03/02/26           | 15:40:14           | 36050                     | 10.75                   | 2.23           | 10.97         | -0.01                                              | 0.09            | 11.08                   |
| 03/02/26           | 15:40:44           | 36080                     | 10.74                   | 2.02           | 10.94         | 0.00                                               | 0.07            | 11.07                   |
| 03/02/26           | 15:41:14           | 36110                     | 10.73                   | 2.08           | 10.94         | -0.01                                              | 0.23            | 11.15                   |
| 03/02/26           | 15:41:44           | 36140                     | 10.73                   | 2.27           | 10.98         | -0.01                                              | 0.15            | 11.18                   |
| 03/02/26           | 15:42:14           | 36170                     | 10.73                   | 2.21           | 10.97         | -0.01                                              | 0.11            | 11.11                   |
| 03/02/26           | 15:42:44           | 36200                     | 10.72                   | 2.17           | 10.99         | -0.01                                              | 0.07            | 11.07                   |
| 03/02/26           | 15:43:14           | 36230                     | 10.73                   | 2.22           | 10.94         | 0.00                                               | 0.25            | 11.10                   |
| 03/02/26           | 15:43:44           | 36260                     | 10.73                   | 2.26           | 10.98         | -0.01                                              | 0.04            | 11.04                   |
| 03/02/26           | 15:44:14           | 36290                     | 10.74                   | 2.22           | 10.94         | 0.00                                               | 0.34            | 11.08                   |
| 03/02/26           | 15:44:44           | 36320                     | 10.74                   | 2.20           | 10.98         | -0.01                                              | 0.09            | 11.05                   |
| 03/02/26           | 15:45:14           | 36350                     | 10.73                   | 2.25           | 10.98         | -0.01                                              | 0.19            | 11.00                   |
| 03/02/26           | 15:45:44           | 36380                     | 10.72                   | 2.26           | 10.92         | -0.01                                              | 0.11            | 11.05                   |
| 03/02/26           | 15:46:14           | 36410                     | 10.72                   | 2.33           | 10.92         | -0.01                                              | 0.27            | 11.04                   |
| 03/02/26           | 15:46:44           | 36440                     | 10.72                   | 2.37           | 10.96         | 0.18                                               | 0.16            | 11.12                   |
| 03/02/26           | 15:47:14           | 36470                     | 10.71                   | 2.33           | 10.93         | 0.23                                               | 0.24            | 11.08                   |
| 03/02/26           | 15:47:44           | 36500                     | 10.70                   | 2.28           | 10.94         | 0.22                                               | 0.15            | 11.09                   |
| 03/02/26           | 15:48:14           | 36530                     | 10.71                   | 2.26           | 10.97         | 0.23                                               | 0.17            | 11.09                   |
| 03/02/26           | 15:48:44           | 36560                     | 10.71                   | 2.41           | 10.91         | 0.23                                               | 0.22            | 11.10                   |
| 03/02/26           | 15:49:14           | 36590                     | 10.72                   | 2.37           | 10.93         | 0.23                                               | 0.25            | 11.08                   |
| 03/02/26           | 15:49:44           | 36620                     | 10.71                   | 2.36           | 10.93         | 0.22                                               | 0.29            | 11.09                   |
| 03/02/26           | 15:50:14           | 36650                     | 10.72                   | 2.34           | 10.97         | 0.23                                               | 0.12            | 11.10                   |
| 03/02/26           | 15:50:44           | 36680                     | 10.71                   | 2.25           | 10.95         | 0.52                                               | 0.26            | 11.10                   |
| 03/02/26           | 15:51:14           | 36710                     | 10.70                   | 2.32           | 10.96         | 0.60                                               | 0.03            | 11.07                   |
| 03/02/26           | 15:51:44           | 36740                     | 10.72                   | 2.32           | 10.99         | 0.60                                               | 0.30            | 11.09                   |
| 03/02/26           | 15:52:14           | 36770                     | 10.73                   | 2.37           | 10.92         | 0.60                                               | 0.22            | 11.09                   |
| 03/02/26           | 15:52:44           | 36800                     | 10.72                   | 2.29           | 10.98         | 0.60                                               | 0.20            | 11.08                   |
| 03/02/26           | 15:53:14           | 36830                     | 10.72                   | 2.17           | 10.95         | 0.60                                               | 0.33            | 11.08                   |
| 03/02/26           | 15:53:44           | 36860                     | 10.72                   | 2.26           | 11.00         | 0.60                                               | 0.17            | 11.08                   |
| 03/02/26           | 15:54:14           | 36890                     | 10.72                   | 2.39           | 10.99         | 0.60                                               | 0.06            | 11.10                   |
| 03/02/26           | 15:54:44           | 36920                     | 10.73                   | 2.36           | 11.00         | 0.12                                               | 0.25            | 11.08                   |
| 03/02/26           | 15:55:14           | 36950                     | 10.72                   | 2.33           | 10.99         | -0.01                                              | 0.13            | 11.09                   |
| 03/02/26           | 15:55:44           | 36980                     | 10.73                   | 2.39           | 11.00         | -0.01                                              | 0.10            | 11.12                   |
| 03/02/26           | 15:56:14           | 37010                     | 10.72                   | 2.32           | 11.03         | -0.01                                              | 0.18            | 11.13                   |
| 03/02/26           | 15:56:44           | 37040                     | 10.73                   | 2.30           | 10.99         | -0.01                                              | 0.30            | 11.12                   |
| 03/02/26           | 15:57:14           | 37070                     | 10.73                   | 2.31           | 11.04         | -0.01                                              | 0.20            | 11.13                   |
| 03/02/26           | 15:57:44           | 37100                     | 10.73                   | 2.32           | 10.98         | 0.00                                               | 0.25            | 11.08                   |
| 03/02/26           | 15:58:14           | 37130                     | 10.73                   | 2.24           | 10.99         | 0.00                                               | 0.26            | 11.04                   |
| 03/02/26           | 15:58:44           | 37160                     | 10.72                   | 2.29           | 11.01         | 0.00                                               | 0.24            | 11.04                   |
| 03/02/26           | 15:59:14           | 37190                     | 10.72                   | 2.35           | 11.01         | -0.01                                              | 0.15            | 11.05                   |
| 03/02/26           | 15:59:44           | 37220                     | 10.71                   | 2.27           | 11.01         | -0.01                                              | 0.20            | 11.08                   |
| 03/02/26           | 16:00:14           | 37250                     | 10.72                   | 2.31           | 11.01         | -0.01                                              | 0.22            | 11.10                   |
| 03/02/26           | 16:00:44           | 37280                     | 10.71                   | 2.37           | 10.99         | -0.01                                              | 0.26            | 11.10                   |
| 03/02/26           | 16:01:14           | 37310                     | 10.70                   | 2.31           | 11.04         | -0.01                                              | 0.22            | 11.09                   |
| 03/02/26           | 16:01:44           | 37340                     | 10.69                   | 2.22           | 11.06         | -0.01                                              | 0.23            | 11.11                   |
| 03/02/26           | 16:02:14           | 37370                     | 10.71                   | 2.27           | 10.98         | -0.01                                              | 0.16            | 11.11                   |
| 03/02/26           | 16:02:44           | 37400                     | 10.71                   | 2.24           | 11.00         | 2.98                                               | 0.31            | 11.09                   |
| 03/02/26           | 16:03:14           | 37430                     | 10.71                   | 2.30           | 10.99         | 3.73                                               | 0.15            | 11.07                   |
| 03/02/26           | 16:03:44           | 37460                     | 10.71                   | 2.26           | 10.97         | 3.73                                               | 0.24            | 11.05                   |
| 03/02/26           | 16:04:14           | 37490                     | 10.73                   | 2.38           | 10.97         | 3.72                                               | 0.17            | 11.06                   |
| 03/02/26           | 16:04:44           | 37520                     | 10.73                   | 2.34           | 11.04         | 3.73                                               | 0.11            | 11.05                   |
| 03/02/26           | 16:05:14           | 37550                     | 10.73                   | 2.24           | 10.99         | 3.73                                               | 0.16            | 11.08                   |
| 03/02/26           | 16:05:44           | 37580                     | 10.73                   | 2.33           | 10.95         | 3.72                                               | 0.30            | 11.08                   |
| 03/02/26           | 16:06:14           | 37610                     | 10.72                   | 2.54           | 10.96         | 3.73                                               | 0.25            | 11.05                   |
| 03/02/26           | 16:06:44           | 37640                     | 10.72                   | 2.28           | 11.01         | 0.74                                               | 0.21            | 11.05                   |
| 03/02/26           | 16:07:14           | 37670                     | 10.73                   | 2.23           | 10.98         | 0.00                                               | 0.26            | 11.05                   |
| 03/02/26           | 16:07:44           | 37700                     | 10.72                   | 2.30           | 10.95         | -0.01                                              | 0.25            | 11.06                   |
| 03/02/26           | 16:08:14           | 37730                     | 10.73                   | 2.19           | 11.01         | -0.01                                              | 0.19            | 11.03                   |
| 03/02/26           | 16:08:44           | 37760                     | 10.72                   | 2.23           | 10.96         | 0.00                                               | 0.04            | 11.07                   |
| 03/02/26           | 16:09:14           | 37790                     | 10.73                   | 2.36           | 10.96         | -0.01                                              | 0.21            | 11.06                   |
| 03/02/26           | 16:09:44           | 37820                     | 10.74                   | 2.25           | 11.01         | 0.00                                               | 0.20            | 11.07                   |

VoltaGrid, LLC  
 March 2, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (outlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 2

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | O <sub>2</sub><br>(%vd) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) | HCHO<br>(ppmvw) | H <sub>2</sub> O<br>(%) |
|--------------------|--------------------|---------------------------|-------------------------|----------------|---------------|----------------------------------------------------|-----------------|-------------------------|
| 03/02/26           | 16:10:14           | 37850                     | 10.73                   | 2.29           | 11.03         | -0.01                                              | 0.19            | 11.06                   |
| 03/02/26           | 16:10:44           | 37880                     | 10.74                   | 2.29           | 11.03         | 0.00                                               | 0.12            | 11.06                   |
| 03/02/26           | 16:11:14           | 37910                     | 10.74                   | 2.25           | 10.97         | -0.01                                              | 0.24            | 11.05                   |
| 03/02/26           | 16:11:44           | 37940                     | 10.73                   | 2.16           | 10.98         | -0.01                                              | 0.23            | 11.06                   |
| 03/02/26           | 16:12:14           | 37970                     | 10.73                   | 2.25           | 10.95         | -0.01                                              | 0.08            | 11.09                   |
| 03/02/26           | 16:12:44           | 38000                     | 10.71                   | 2.28           | 11.02         | -0.01                                              | 0.28            | 11.07                   |
| 03/02/26           | 16:13:14           | 38030                     | 10.70                   | 2.27           | 10.99         | -0.01                                              | 0.29            | 11.03                   |
| 03/02/26           | 16:13:44           | 38060                     | 10.71                   | 2.28           | 10.96         | -0.02                                              | 0.14            | 11.00                   |
| 03/02/26           | 16:14:14           | 38090                     | 10.73                   | 2.43           | 10.93         | -0.01                                              | 0.09            | 10.99                   |
| 03/02/26           | 16:14:44           | 38120                     | 10.71                   | 2.44           | 10.99         | -0.01                                              | 0.14            | 11.01                   |
| 03/02/26           | 16:15:14           | 38150                     | 10.71                   | 2.12           | 10.98         | -0.01                                              | 0.22            | 11.08                   |
| 03/02/26           | 16:15:44           | 38180                     | 10.71                   | 2.12           | 10.93         | -0.01                                              | 0.14            | 11.08                   |
| 03/02/26           | 16:16:14           | 38210                     | 10.72                   | 2.39           | 10.93         | 0.00                                               | 0.23            | 11.00                   |
| 03/02/26           | 16:16:44           | 38240                     | 10.71                   | 2.33           | 10.97         | -0.01                                              | 0.20            | 11.02                   |
| 03/02/26           | 16:17:14           | 38270                     | 10.72                   | 2.31           | 10.98         | -0.01                                              | 0.24            | 11.05                   |
| 03/02/26           | 16:17:44           | 38300                     | 10.73                   | 2.43           | 10.93         | -0.01                                              | 0.32            | 11.02                   |
| 03/02/26           | 16:18:14           | 38330                     | 10.72                   | 2.39           | 10.96         | -0.01                                              | 0.12            | 11.04                   |
| 03/02/26           | 16:18:44           | 38360                     | 10.72                   | 2.29           | 10.99         | -0.01                                              | 0.24            | 11.06                   |
| 03/02/26           | 16:19:14           | 38390                     | 10.73                   | 2.36           | 11.00         | -0.01                                              | 0.30            | 11.05                   |
| 03/02/26           | 16:19:44           | 38420                     | 10.73                   | 2.42           | 11.00         | 0.00                                               | 0.30            | 11.06                   |
| 03/02/26           | 16:20:14           | 38450                     | 10.73                   | 2.38           | 11.01         | 0.00                                               | 0.23            | 11.08                   |
| 03/02/26           | 16:20:44           | 38480                     | 10.72                   | 2.35           | 10.97         | -0.01                                              | 0.26            | 11.11                   |
| 03/02/26           | 16:21:14           | 38510                     | 10.72                   | 2.27           | 11.01         | 0.00                                               | 0.22            | 11.10                   |
| 03/02/26           | 16:21:44           | 38540                     | 10.72                   | 2.21           | 11.00         | -0.01                                              | 0.28            | 11.08                   |
| 03/02/26           | 16:22:14           | 38570                     | 10.71                   | 2.28           | 11.03         | -0.01                                              | 0.15            | 11.06                   |
| 03/02/26           | 16:22:44           | 38600                     | 10.72                   | 2.24           | 10.96         | -0.01                                              | 0.21            | 11.10                   |
| 03/02/26           | 16:23:14           | 38630                     | 10.74                   | 2.13           | 10.99         | -0.01                                              | 0.09            | 11.07                   |
| 03/02/26           | 16:23:44           | 38660                     | 10.74                   | 2.19           | 10.99         | -0.01                                              | 0.08            | 11.07                   |
| 03/02/26           | 16:24:14           | 38690                     | 10.73                   | 2.24           | 11.04         | -0.01                                              | 0.11            | 11.06                   |
| 03/02/26           | 16:24:44           | 38720                     | 10.73                   | 2.26           | 10.98         | 0.00                                               | 0.04            | 11.10                   |
| 03/02/26           | 16:25:14           | 38750                     | 10.72                   | 2.33           | 11.02         | -0.01                                              | 0.21            | 11.07                   |
| 03/02/26           | 16:25:44           | 38780                     | 10.72                   | 2.26           | 11.07         | -0.01                                              | 0.11            | 11.05                   |
| 03/02/26           | 16:26:14           | 38810                     | 10.72                   | 2.16           | 11.01         | -0.01                                              | 0.08            | 11.04                   |
| 03/02/26           | 16:26:44           | 38840                     | 10.74                   | 2.24           | 11.00         | -0.01                                              | 0.28            | 11.05                   |
| 03/02/26           | 16:27:14           | 38870                     | 10.74                   | 2.31           | 11.01         | -0.01                                              | 0.01            | 11.01                   |
| 03/02/26           | 16:27:44           | 38900                     | 10.73                   | 2.24           | 10.99         | -0.01                                              | 0.28            | 10.97                   |
| 03/02/26           | 16:28:14           | 38930                     | 10.72                   | 2.27           | 10.98         | -0.01                                              | 0.13            | 10.94                   |
| 03/02/26           | 16:28:44           | 38960                     | 10.71                   | 2.42           | 11.06         | -0.01                                              | 0.08            | 10.94                   |
| 03/02/26           | 16:29:14           | 38990                     | 10.72                   | 2.47           | 10.97         | -0.01                                              | 0.04            | 10.95                   |
| 03/02/26           | 16:29:44           | 39020                     | 10.72                   | 2.41           | 11.00         | -0.01                                              | -0.04           | 10.96                   |
| 03/02/26           | 16:30:14           | 39050                     | 10.73                   | 2.48           | 11.00         | 0.00                                               | 0.04            | 10.93                   |
| 03/02/26           | 16:30:44           | 39080                     | 10.72                   | 2.32           | 11.04         | 0.59                                               | 0.30            | 10.94                   |
| 03/02/26           | 16:31:14           | 39110                     | 10.73                   | 2.35           | 11.04         | 0.59                                               | 0.13            | 10.95                   |
| 03/02/26           | 16:31:44           | 39140                     | 10.73                   | 2.47           | 11.03         | 0.59                                               | 0.21            | 10.97                   |
| 03/02/26           | 16:32:14           | 39170                     | 10.73                   | 2.47           | 11.00         | 0.59                                               | 0.27            | 11.02                   |
| 03/02/26           | 16:32:44           | 39200                     | 10.72                   | 2.39           | 11.02         | 0.59                                               | 0.11            | 11.02                   |
| <b>RAW AVERAGE</b> |                    |                           | <b>10.72</b>            | <b>2.32</b>    | <b>10.98</b>  | <b>0.32</b>                                        | <b>0.18</b>     | <b>11.06</b>            |

|                 | O <sub>2</sub><br>(%) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) | HCHO<br>(ppmvw) | H <sub>2</sub> O<br>(%) |
|-----------------|-----------------------|----------------|---------------|----------------------------------------------------|-----------------|-------------------------|
| Serial Number:  | INST-22-0007          | INST-NX-0027   | INST-CO-0051  | INST-VC-0006                                       | 510             | 510                     |
| Initial Zero    | 0.05                  | -0.12          | -0.02         | -0.01                                              |                 |                         |
| Final Zero      | 0.05                  | 0.08           | -0.07         | 0.01                                               |                 |                         |
| Avg. Zero       | 0.05                  | -0.02          | -0.05         | 0.00                                               |                 |                         |
| Initial UpScale | 11.93                 | 5.00           | 10.02         | 1.97                                               |                 |                         |
| Final UpScale   | 11.92                 | 4.81           | 9.96          | 2.00                                               |                 |                         |
| Avg. UpScale    | 11.93                 | 4.91           | 9.99          | 1.99                                               |                 |                         |
| Upscale Cal Gas | 11.96                 | 5.00           | 10.00         | 2.00                                               |                 |                         |

| EMISSIONS DATA                                | O <sub>2</sub> | NOx  | CO    | VOC (as C <sub>3</sub> H <sub>8</sub> ) | HCHO |
|-----------------------------------------------|----------------|------|-------|-----------------------------------------|------|
| Corrected Raw Average (ppm/% [vol] dry basis) | 10.75          | 2.38 | 10.98 | 0.36                                    | 0.21 |
| Corrected Raw Average (ppm/% [vol] wet basis) | 9.61           | 2.13 | 9.83  | 0.32                                    | 0.18 |

VoltaGrid, LLC  
 March 4, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (outlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 3

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | O <sub>2</sub><br>(%vd) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) |
|--------------------|--------------------|---------------------------|-------------------------|----------------|---------------|----------------------------------------------------|
| 03/04/26           | 10:44:20           | 10430                     | 10.56                   | 1.64           | 11.25         | -0.01                                              |
| 03/04/26           | 10:44:50           | 10460                     | 10.55                   | 1.57           | 11.22         | -0.01                                              |
| 03/04/26           | 10:45:20           | 10490                     | 10.56                   | 1.51           | 11.18         | 0.00                                               |
| 03/04/26           | 10:45:50           | 10520                     | 10.57                   | 1.47           | 11.14         | 0.00                                               |
| 03/04/26           | 10:46:20           | 10550                     | 10.57                   | 1.49           | 11.17         | 0.00                                               |
| 03/04/26           | 10:46:50           | 10580                     | 10.57                   | 1.45           | 11.19         | 0.00                                               |
| 03/04/26           | 10:47:20           | 10610                     | 10.58                   | 1.55           | 11.16         | 0.00                                               |
| 03/04/26           | 10:47:50           | 10640                     | 10.57                   | 1.64           | 11.17         | -0.01                                              |
| 03/04/26           | 10:48:20           | 10670                     | 10.57                   | 1.61           | 11.19         | -0.01                                              |
| 03/04/26           | 10:48:50           | 10700                     | 10.57                   | 1.59           | 11.20         | -0.01                                              |
| 03/04/26           | 10:49:20           | 10730                     | 10.55                   | 1.55           | 11.25         | -0.01                                              |
| 03/04/26           | 10:49:50           | 10760                     | 10.55                   | 1.57           | 11.23         | -0.01                                              |
| 03/04/26           | 10:50:20           | 10790                     | 10.55                   | 1.61           | 11.24         | -0.01                                              |
| 03/04/26           | 10:50:50           | 10820                     | 10.55                   | 1.74           | 11.21         | 0.00                                               |
| 03/04/26           | 10:51:20           | 10850                     | 10.54                   | 1.66           | 11.16         | 0.00                                               |
| 03/04/26           | 10:51:50           | 10880                     | 10.54                   | 1.65           | 11.12         | 0.00                                               |
| 03/04/26           | 10:52:20           | 10910                     | 10.54                   | 1.63           | 11.14         | 0.00                                               |
| 03/04/26           | 10:52:50           | 10940                     | 10.54                   | 1.62           | 11.14         | 0.00                                               |
| 03/04/26           | 10:53:20           | 10970                     | 10.53                   | 1.61           | 11.14         | 0.00                                               |
| 03/04/26           | 10:53:50           | 11000                     | 10.53                   | 1.59           | 11.20         | 0.00                                               |
| 03/04/26           | 10:54:20           | 11030                     | 10.53                   | 1.64           | 11.19         | 0.00                                               |
| 03/04/26           | 10:54:50           | 11060                     | 10.54                   | 1.61           | 11.16         | 0.00                                               |
| 03/04/26           | 10:55:20           | 11090                     | 10.54                   | 1.59           | 11.15         | 0.00                                               |
| 03/04/26           | 10:55:50           | 11120                     | 10.54                   | 1.65           | 11.06         | 0.00                                               |
| 03/04/26           | 10:56:20           | 11150                     | 10.54                   | 1.72           | 11.10         | 0.00                                               |
| 03/04/26           | 10:56:50           | 11180                     | 10.55                   | 1.65           | 11.13         | 0.00                                               |
| 03/04/26           | 10:57:20           | 11210                     | 10.55                   | 1.69           | 11.07         | 0.00                                               |
| 03/04/26           | 10:57:50           | 11240                     | 10.55                   | 1.61           | 11.16         | 0.00                                               |
| 03/04/26           | 10:58:20           | 11270                     | 10.55                   | 1.63           | 11.15         | 0.00                                               |
| 03/04/26           | 10:58:50           | 11300                     | 10.55                   | 1.58           | 11.23         | 0.00                                               |
| 03/04/26           | 10:59:20           | 11330                     | 10.56                   | 1.61           | 11.17         | -0.01                                              |
| 03/04/26           | 10:59:50           | 11360                     | 10.56                   | 1.66           | 11.18         | 0.00                                               |
| 03/04/26           | 11:00:20           | 11390                     | 10.56                   | 1.62           | 11.19         | 0.00                                               |
| 03/04/26           | 11:00:50           | 11420                     | 10.56                   | 1.62           | 11.18         | 0.00                                               |
| 03/04/26           | 11:01:20           | 11450                     | 10.58                   | 1.68           | 11.19         | 0.00                                               |
| 03/04/26           | 11:01:50           | 11480                     | 10.57                   | 1.63           | 11.14         | 0.00                                               |
| 03/04/26           | 11:02:20           | 11510                     | 10.57                   | 1.66           | 11.16         | 0.00                                               |
| 03/04/26           | 11:02:50           | 11540                     | 10.58                   | 1.61           | 11.19         | 0.00                                               |
| 03/04/26           | 11:03:20           | 11570                     | 10.59                   | 1.66           | 11.12         | 0.00                                               |
| 03/04/26           | 11:03:50           | 11600                     | 10.60                   | 1.65           | 11.12         | 0.00                                               |
| 03/04/26           | 11:04:20           | 11630                     | 10.60                   | 1.61           | 11.08         | 0.00                                               |
| 03/04/26           | 11:04:50           | 11660                     | 10.58                   | 1.63           | 11.10         | 0.00                                               |
| 03/04/26           | 11:05:20           | 11690                     | 10.57                   | 1.64           | 11.15         | 0.00                                               |
| 03/04/26           | 11:05:50           | 11720                     | 10.56                   | 1.62           | 11.13         | 0.00                                               |
| 03/04/26           | 11:06:20           | 11750                     | 10.56                   | 1.62           | 11.20         | -0.01                                              |
| 03/04/26           | 11:06:50           | 11780                     | 11.45                   | 1.60           | 11.23         | 0.00                                               |
| 03/04/26           | 11:07:20           | 11810                     | 10.92                   | 1.56           | 11.26         | -0.01                                              |
| 03/04/26           | 11:07:50           | 11840                     | 10.62                   | 1.56           | 11.29         | -0.01                                              |
| 03/04/26           | 11:08:20           | 11870                     | 10.63                   | 1.57           | 11.27         | -0.01                                              |
| 03/04/26           | 11:08:50           | 11900                     | 10.62                   | 1.64           | 11.25         | -0.01                                              |
| 03/04/26           | 11:09:20           | 11930                     | 10.60                   | 1.67           | 11.25         | 0.00                                               |
| 03/04/26           | 11:09:50           | 11960                     | 10.61                   | 1.67           | 11.17         | 0.00                                               |
| 03/04/26           | 11:10:20           | 11990                     | 10.60                   | 1.68           | 11.17         | 0.00                                               |
| 03/04/26           | 11:10:50           | 12020                     | 10.59                   | 1.65           | 11.15         | -0.01                                              |
| 03/04/26           | 11:11:20           | 12050                     | 10.59                   | 1.64           | 11.17         | -0.01                                              |
| 03/04/26           | 11:11:50           | 12080                     | 10.59                   | 1.62           | 11.20         | 0.00                                               |
| 03/04/26           | 11:12:20           | 12110                     | 10.59                   | 1.59           | 11.22         | -0.01                                              |
| 03/04/26           | 11:12:50           | 12140                     | 10.60                   | 1.56           | 11.23         | -0.01                                              |
| 03/04/26           | 11:13:20           | 12170                     | 10.61                   | 1.62           | 11.18         | 0.00                                               |
| 03/04/26           | 11:13:50           | 12200                     | 10.61                   | 1.61           | 11.23         | -0.01                                              |
| 03/04/26           | 11:14:20           | 12230                     | 10.62                   | 1.64           | 11.15         | 0.00                                               |
| 03/04/26           | 11:14:50           | 12260                     | 10.63                   | 1.69           | 11.17         | 0.00                                               |
| 03/04/26           | 11:15:20           | 12290                     | 10.65                   | 1.66           | 11.10         | 0.00                                               |
| 03/04/26           | 11:15:50           | 12320                     | 10.65                   | 1.67           | 11.21         | 0.00                                               |
| 03/04/26           | 11:16:20           | 12350                     | 10.67                   | 1.69           | 11.17         | 0.00                                               |
| 03/04/26           | 11:16:50           | 12380                     | 10.66                   | 1.76           | 11.17         | 0.00                                               |
| 03/04/26           | 11:17:20           | 12410                     | 10.65                   | 1.80           | 11.16         | -0.01                                              |
| 03/04/26           | 11:17:50           | 12440                     | 10.65                   | 1.65           | 11.13         | -0.01                                              |
| 03/04/26           | 11:18:20           | 12470                     | 10.64                   | 1.66           | 11.14         | -0.01                                              |
| 03/04/26           | 11:18:50           | 12500                     | 10.65                   | 1.68           | 11.18         | -0.01                                              |
| 03/04/26           | 11:19:20           | 12530                     | 10.67                   | 1.72           | 11.17         | -0.01                                              |
| 03/04/26           | 11:19:50           | 12560                     | 10.67                   | 1.70           | 11.20         | -0.01                                              |
| 03/04/26           | 11:20:20           | 12590                     | 10.68                   | 1.63           | 11.22         | -0.01                                              |
| 03/04/26           | 11:20:50           | 12620                     | 10.69                   | 1.72           | 11.18         | 0.00                                               |

VoltaGrid, LLC  
 March 4, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (outlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 3

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | O <sub>2</sub><br>(%vd) | NOx<br>(ppmvd) | CO<br>(ppmvd) | VOC (as C <sub>3</sub> H <sub>8</sub> )<br>(ppmvw) |
|--------------------|--------------------|---------------------------|-------------------------|----------------|---------------|----------------------------------------------------|
| 03/04/26           | 11:21:20           | 12650                     | 10.70                   | 1.66           | 11.28         | 0.00                                               |
| 03/04/26           | 11:21:50           | 12680                     | 10.69                   | 1.68           | 11.25         | 0.00                                               |
| 03/04/26           | 11:22:20           | 12710                     | 10.69                   | 1.63           | 11.19         | 0.00                                               |
| 03/04/26           | 11:22:50           | 12740                     | 10.69                   | 1.77           | 11.19         | 0.00                                               |
| 03/04/26           | 11:23:20           | 12770                     | 10.69                   | 1.73           | 11.21         | 0.00                                               |
| 03/04/26           | 11:23:50           | 12800                     | 10.67                   | 1.63           | 11.22         | 0.00                                               |
| 03/04/26           | 11:24:20           | 12830                     | 10.66                   | 1.57           | 11.18         | 0.20                                               |
| 03/04/26           | 11:24:50           | 12860                     | 10.67                   | 1.61           | 11.15         | 0.47                                               |
| 03/04/26           | 11:25:20           | 12890                     | 10.67                   | 1.65           | 11.14         | 0.47                                               |
| 03/04/26           | 11:25:50           | 12920                     | 10.67                   | 1.68           | 11.21         | 0.47                                               |
| 03/04/26           | 11:26:20           | 12950                     | 10.68                   | 1.60           | 11.16         | 0.46                                               |
| 03/04/26           | 11:26:50           | 12980                     | 10.68                   | 1.61           | 11.10         | 0.47                                               |
| 03/04/26           | 11:27:20           | 13010                     | 10.68                   | 1.60           | 11.10         | 0.47                                               |
| 03/04/26           | 11:27:50           | 13040                     | 10.70                   | 1.69           | 11.07         | 0.47                                               |
| 03/04/26           | 11:28:20           | 13070                     | 10.71                   | 1.71           | 11.06         | 0.27                                               |
| 03/04/26           | 11:28:50           | 13100                     | 10.73                   | 1.64           | 11.09         | 0.00                                               |
| 03/04/26           | 11:29:20           | 13130                     | 10.72                   | 1.67           | 11.08         | 0.00                                               |
| 03/04/26           | 11:29:50           | 13160                     | 10.71                   | 1.68           | 11.11         | -0.01                                              |
| 03/04/26           | 11:30:20           | 13190                     | 10.77                   | 1.69           | 11.07         | 0.00                                               |
| 03/04/26           | 11:30:50           | 13220                     | 10.80                   | 1.74           | 11.16         | -0.01                                              |
| 03/04/26           | 11:31:20           | 13250                     | 10.75                   | 1.69           | 11.14         | -0.01                                              |
| 03/04/26           | 11:31:50           | 13280                     | 10.75                   | 1.54           | 11.13         | 0.00                                               |
| 03/04/26           | 11:32:20           | 13310                     | 10.76                   | 1.59           | 11.02         | 0.00                                               |
| 03/04/26           | 11:32:50           | 13340                     | 10.76                   | 1.65           | 11.05         | -0.01                                              |
| 03/04/26           | 11:33:20           | 13370                     | 10.79                   | 1.60           | 11.08         | 0.00                                               |
| 03/04/26           | 11:33:50           | 13400                     | 10.84                   | 1.62           | 11.11         | 0.00                                               |
| 03/04/26           | 11:34:20           | 13430                     | 10.91                   | 1.57           | 11.16         | 0.00                                               |
| 03/04/26           | 11:34:50           | 13460                     | 11.17                   | 1.61           | 11.13         | 0.00                                               |
| 03/04/26           | 11:35:20           | 13490                     | 11.61                   | 1.61           | 11.13         | 0.00                                               |
| 03/04/26           | 11:35:50           | 13520                     | 11.62                   | 1.61           | 11.09         | 0.00                                               |
| 03/04/26           | 11:36:20           | 13550                     | 11.73                   | 1.64           | 11.13         | 0.00                                               |
| 03/04/26           | 11:36:50           | 13580                     | 11.23                   | 1.61           | 11.16         | 0.00                                               |
| 03/04/26           | 11:37:20           | 13610                     | 10.83                   | 1.53           | 11.13         | 0.00                                               |
| 03/04/26           | 11:37:50           | 13640                     | 10.80                   | 1.58           | 11.16         | 0.00                                               |
| 03/04/26           | 11:38:20           | 13670                     | 10.84                   | 1.60           | 11.19         | -0.01                                              |
| 03/04/26           | 11:38:50           | 13700                     | 10.88                   | 1.60           | 11.15         | 0.00                                               |
| 03/04/26           | 11:39:20           | 13730                     | 10.97                   | 1.59           | 11.20         | -0.01                                              |
| 03/04/26           | 11:39:50           | 13760                     | 10.92                   | 1.58           | 11.15         | -0.01                                              |
| 03/04/26           | 11:40:20           | 13790                     | 10.94                   | 1.63           | 11.17         | 0.00                                               |
| 03/04/26           | 11:40:50           | 13820                     | 10.88                   | 1.67           | 11.24         | 0.00                                               |
| 03/04/26           | 11:41:20           | 13850                     | 10.90                   | 1.60           | 11.19         | 0.00                                               |
| 03/04/26           | 11:41:50           | 13880                     | 11.17                   | 1.51           | 11.10         | 0.00                                               |
| 03/04/26           | 11:42:20           | 13910                     | 11.55                   | 1.58           | 11.12         | 0.00                                               |
| 03/04/26           | 11:42:50           | 13940                     | 11.79                   | 1.73           | 11.10         | 0.00                                               |
| 03/04/26           | 11:43:20           | 13970                     | 11.68                   | 1.61           | 11.10         | 0.00                                               |
| 03/04/26           | 11:43:50           | 14000                     | 11.63                   | 1.48           | 11.22         | 0.00                                               |
| <b>RAW AVERAGE</b> |                    |                           | <b>10.73</b>            | <b>1.63</b>    | <b>11.16</b>  | <b>0.03</b>                                        |

| Bias                   | Serial Number: INST-22-0007 INST-NX-0027 INST-CO-0051 INST-VC-0006 |                       |                |               |
|------------------------|--------------------------------------------------------------------|-----------------------|----------------|---------------|
|                        |                                                                    | O <sub>2</sub><br>(%) | NOx<br>(ppmvd) | CO<br>(ppmvd) |
|                        | Initial Zero                                                       | -0.03                 | -0.07          | 0.08          |
|                        | Final Zero                                                         | -0.02                 | -0.05          | 0.12          |
|                        | Avg. Zero                                                          | -0.03                 | -0.06          | 0.10          |
|                        | Initial UpScale                                                    | 11.99                 | 4.94           | 10.12         |
|                        | Final UpScale                                                      | 11.98                 | 4.92           | 10.02         |
|                        | Avg. UpScale                                                       | 11.99                 | 4.93           | 10.07         |
| <b>Upscale Cal Gas</b> |                                                                    | 11.96                 | 5.00           | 10.00         |
|                        |                                                                    |                       |                | 2.00          |

| EMISSIONS DATA                                | O <sub>2</sub> | NOx  | CO    | VOC (as C <sub>3</sub> H <sub>8</sub> ) |
|-----------------------------------------------|----------------|------|-------|-----------------------------------------|
| Corrected Raw Average (ppm/% [vol] dry basis) | 10.71          | 1.69 | 11.10 | 0.03                                    |
| Corrected Raw Average (ppm/% [vol] wet basis) | 9.51           | 1.50 | 9.85  | 0.03                                    |

**VoltaGrid, LLC**  
**March 4, 2026**  
**Jenbacher, J620 Single GS-J715, Unit #G02 (inlet), Serial #1717939**  
**SAT-1 EGU**

>90 Load, Run - 1-inlet

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | CO outlet<br>(ppmvd) | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%vd) |
|--------------------|--------------------|---------------------------|----------------------|---------------------|-------------------------|
| 03/04/26           | 7:53:20            | 170                       | 11.15                | 318.16              | 10.53                   |
| 03/04/26           | 7:53:50            | 200                       | 11.15                | 317.08              | 10.53                   |
| 03/04/26           | 7:54:20            | 230                       | 11.11                | 318.39              | 10.53                   |
| 03/04/26           | 7:54:50            | 260                       | 11.18                | 319.15              | 10.54                   |
| 03/04/26           | 7:55:20            | 290                       | 11.12                | 318.18              | 10.55                   |
| 03/04/26           | 7:55:50            | 320                       | 11.12                | 317.29              | 10.55                   |
| 03/04/26           | 7:56:20            | 350                       | 11.09                | 318.16              | 10.55                   |
| 03/04/26           | 7:56:50            | 380                       | 11.10                | 319.22              | 10.56                   |
| 03/04/26           | 7:57:20            | 410                       | 11.05                | 318.90              | 10.57                   |
| 03/04/26           | 7:57:50            | 440                       | 11.03                | 316.57              | 10.56                   |
| 03/04/26           | 7:58:20            | 470                       | 11.07                | 317.09              | 10.56                   |
| 03/04/26           | 7:58:50            | 500                       | 11.04                | 319.55              | 10.56                   |
| 03/04/26           | 7:59:20            | 530                       | 11.06                | 317.71              | 10.55                   |
| 03/04/26           | 7:59:50            | 560                       | 11.15                | 318.25              | 10.55                   |
| 03/04/26           | 8:00:20            | 590                       | 11.20                | 318.97              | 10.54                   |
| 03/04/26           | 8:00:50            | 620                       | 11.13                | 317.63              | 10.54                   |
| 03/04/26           | 8:01:20            | 650                       | 11.13                | 320.00              | 10.54                   |
| 03/04/26           | 8:01:50            | 680                       | 11.14                | 317.34              | 10.54                   |
| 03/04/26           | 8:02:20            | 710                       | 11.06                | 318.67              | 10.54                   |
| 03/04/26           | 8:02:50            | 740                       | 11.19                | 319.34              | 10.55                   |
| 03/04/26           | 8:03:20            | 770                       | 11.12                | 318.40              | 10.55                   |
| 03/04/26           | 8:03:50            | 800                       | 11.10                | 317.78              | 10.53                   |
| 03/04/26           | 8:04:20            | 830                       | 11.13                | 317.90              | 10.53                   |
| 03/04/26           | 8:04:50            | 860                       | 11.04                | 316.65              | 10.52                   |
| 03/04/26           | 8:05:20            | 890                       | 11.12                | 319.17              | 10.52                   |
| 03/04/26           | 8:05:50            | 920                       | 11.14                | 318.50              | 10.51                   |
| 03/04/26           | 8:06:20            | 950                       | 11.11                | 317.20              | 10.51                   |
| 03/04/26           | 8:06:50            | 980                       | 11.13                | 319.27              | 10.51                   |
| 03/04/26           | 8:07:20            | 1010                      | 11.09                | 319.00              | 10.53                   |
| 03/04/26           | 8:07:50            | 1040                      | 11.08                | 316.49              | 10.53                   |
| 03/04/26           | 8:08:20            | 1070                      | 11.20                | 319.10              | 10.54                   |
| 03/04/26           | 8:08:50            | 1100                      | 11.15                | 317.93              | 10.53                   |
| 03/04/26           | 8:09:20            | 1130                      | 11.13                | 318.30              | 10.53                   |
| 03/04/26           | 8:09:50            | 1160                      | 11.18                | 320.46              | 10.52                   |
| 03/04/26           | 8:10:20            | 1190                      | 11.16                | 319.38              | 10.52                   |
| 03/04/26           | 8:10:50            | 1220                      | 11.16                | 319.27              | 10.52                   |
| 03/04/26           | 8:11:20            | 1250                      | 11.16                | 319.58              | 10.52                   |
| 03/04/26           | 8:11:50            | 1280                      | 11.09                | 318.17              | 10.54                   |
| 03/04/26           | 8:12:20            | 1310                      | 11.12                | 319.30              | 10.55                   |
| 03/04/26           | 8:12:50            | 1340                      | 11.18                | 319.49              | 10.55                   |
| 03/04/26           | 8:13:20            | 1370                      | 11.24                | 321.40              | 10.55                   |
| 03/04/26           | 8:13:50            | 1400                      | 11.16                | 318.88              | 10.55                   |
| 03/04/26           | 8:14:20            | 1430                      | 11.11                | 318.51              | 10.55                   |
| 03/04/26           | 8:14:50            | 1460                      | 11.17                | 319.25              | 10.55                   |
| 03/04/26           | 8:15:20            | 1490                      | 11.20                | 318.32              | 10.55                   |
| 03/04/26           | 8:15:50            | 1520                      | 11.20                | 320.37              | 10.55                   |
| 03/04/26           | 8:16:20            | 1550                      | 11.19                | 320.16              | 10.55                   |
| 03/04/26           | 8:16:50            | 1580                      | 11.18                | 319.78              | 10.54                   |
| 03/04/26           | 8:17:20            | 1610                      | 11.18                | 318.72              | 10.55                   |
| 03/04/26           | 8:17:50            | 1640                      | 11.20                | 320.25              | 10.55                   |
| 03/04/26           | 8:18:20            | 1670                      | 11.19                | 319.54              | 10.53                   |
| 03/04/26           | 8:18:50            | 1700                      | 11.19                | 320.38              | 10.54                   |
| 03/04/26           | 8:19:20            | 1730                      | 11.15                | 321.20              | 10.54                   |
| 03/04/26           | 8:19:50            | 1760                      | 11.12                | 318.84              | 10.54                   |
| 03/04/26           | 8:20:20            | 1790                      | 11.13                | 318.55              | 10.54                   |
| 03/04/26           | 8:20:50            | 1820                      | 11.15                | 320.09              | 10.53                   |
| 03/04/26           | 8:21:20            | 1850                      | 11.17                | 319.69              | 10.52                   |
| 03/04/26           | 8:21:50            | 1880                      | 11.20                | 319.57              | 10.51                   |
| 03/04/26           | 8:22:20            | 1910                      | 11.16                | 318.95              | 10.51                   |
| 03/04/26           | 8:22:50            | 1940                      | 11.25                | 319.05              | 10.51                   |
| 03/04/26           | 8:23:20            | 1970                      | 11.29                | 320.64              | 10.50                   |
| 03/04/26           | 8:23:50            | 2000                      | 11.24                | 320.18              | 10.53                   |
| 03/04/26           | 8:24:20            | 2030                      | 11.20                | 318.95              | 10.52                   |
| 03/04/26           | 8:24:50            | 2060                      | 11.14                | 319.03              | 10.52                   |
| 03/04/26           | 8:25:20            | 2090                      | 11.10                | 319.51              | 10.52                   |
| 03/04/26           | 8:25:50            | 2120                      | 11.15                | 320.70              | 10.53                   |
| 03/04/26           | 8:26:20            | 2150                      | 11.20                | 320.44              | 10.51                   |
| 03/04/26           | 8:26:50            | 2180                      | 11.21                | 319.20              | 10.51                   |
| 03/04/26           | 8:27:20            | 2210                      | 11.26                | 319.04              | 10.53                   |
| 03/04/26           | 8:27:50            | 2240                      | 11.30                | 319.67              | 10.54                   |
| 03/04/26           | 8:28:20            | 2270                      | 11.30                | 320.31              | 10.53                   |
| 03/04/26           | 8:28:50            | 2300                      | 11.27                | 322.43              | 10.54                   |
| 03/04/26           | 8:29:20            | 2330                      | 11.20                | 318.95              | 10.54                   |
| 03/04/26           | 8:29:50            | 2360                      | 11.24                | 320.38              | 10.54                   |

VoltaGrid, LLC  
 March 4, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (inlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 1-inlet

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | CO outlet<br>(ppmvd) | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%vd) |
|--------------------|--------------------|---------------------------|----------------------|---------------------|-------------------------|
| 03/04/26           | 8:30:20            | 2390                      | 11.22                | 321.59              | 10.56                   |
| 03/04/26           | 8:30:50            | 2420                      | 11.28                | 319.33              | 10.56                   |
| 03/04/26           | 8:31:20            | 2450                      | 11.26                | 320.65              | 10.55                   |
| 03/04/26           | 8:31:50            | 2480                      | 11.25                | 320.64              | 10.55                   |
| 03/04/26           | 8:32:20            | 2510                      | 11.28                | 320.35              | 10.54                   |
| 03/04/26           | 8:32:50            | 2540                      | 11.28                | 321.89              | 10.55                   |
| 03/04/26           | 8:33:20            | 2570                      | 11.29                | 320.96              | 10.54                   |
| 03/04/26           | 8:33:50            | 2600                      | 11.23                | 319.36              | 10.55                   |
| 03/04/26           | 8:34:20            | 2630                      | 11.26                | 319.76              | 10.57                   |
| 03/04/26           | 8:34:50            | 2660                      | 11.24                | 319.87              | 10.56                   |
| 03/04/26           | 8:35:20            | 2690                      | 11.19                | 318.43              | 10.56                   |
| 03/04/26           | 8:35:50            | 2720                      | 11.18                | 317.90              | 10.55                   |
| 03/04/26           | 8:36:20            | 2750                      | 11.20                | 321.11              | 10.53                   |
| 03/04/26           | 8:36:50            | 2780                      | 11.23                | 318.34              | 10.52                   |
| 03/04/26           | 8:37:20            | 2810                      | 11.27                | 319.76              | 10.52                   |
| 03/04/26           | 8:37:50            | 2840                      | 11.22                | 320.00              | 10.52                   |
| 03/04/26           | 8:38:20            | 2870                      | 11.18                | 319.01              | 10.53                   |
| 03/04/26           | 8:38:50            | 2900                      | 11.19                | 319.50              | 10.52                   |
| 03/04/26           | 8:39:20            | 2930                      | 11.20                | 319.32              | 10.52                   |
| 03/04/26           | 8:39:50            | 2960                      | 11.19                | 318.39              | 10.53                   |
| 03/04/26           | 8:40:20            | 2990                      | 11.18                | 319.94              | 10.52                   |
| 03/04/26           | 8:40:50            | 3020                      | 11.14                | 319.47              | 10.51                   |
| 03/04/26           | 8:41:20            | 3050                      | 11.17                | 320.92              | 10.52                   |
| 03/04/26           | 8:41:50            | 3080                      | 11.23                | 321.30              | 10.51                   |
| 03/04/26           | 8:42:20            | 3110                      | 11.22                | 319.34              | 10.51                   |
| 03/04/26           | 8:42:50            | 3140                      | 11.20                | 321.33              | 10.51                   |
| 03/04/26           | 8:43:20            | 3170                      | 11.20                | 319.30              | 10.52                   |
| 03/04/26           | 8:43:50            | 3200                      | 11.20                | 321.46              | 10.52                   |
| 03/04/26           | 8:44:20            | 3230                      | 11.16                | 318.58              | 10.53                   |
| 03/04/26           | 8:44:50            | 3260                      | 11.19                | 318.08              | 10.54                   |
| 03/04/26           | 8:45:20            | 3290                      | 11.21                | 319.85              | 10.54                   |
| 03/04/26           | 8:45:50            | 3320                      | 11.19                | 319.05              | 10.54                   |
| 03/04/26           | 8:46:20            | 3350                      | 11.13                | 318.23              | 10.54                   |
| 03/04/26           | 8:46:50            | 3380                      | 11.16                | 317.79              | 10.55                   |
| 03/04/26           | 8:47:20            | 3410                      | 11.16                | 317.77              | 10.55                   |
| 03/04/26           | 8:47:50            | 3440                      | 11.15                | 318.37              | 10.55                   |
| 03/04/26           | 8:48:20            | 3470                      | 11.22                | 317.85              | 10.55                   |
| 03/04/26           | 8:48:50            | 3500                      | 11.24                | 319.56              | 10.55                   |
| 03/04/26           | 8:49:20            | 3530                      | 11.23                | 318.20              | 10.54                   |
| 03/04/26           | 8:49:50            | 3560                      | 11.20                | 319.67              | 10.55                   |
| 03/04/26           | 8:50:20            | 3590                      | 11.23                | 319.12              | 10.55                   |
| 03/04/26           | 8:50:50            | 3620                      | 11.19                | 319.63              | 10.55                   |
| 03/04/26           | 8:51:20            | 3650                      | 11.13                | 319.04              | 10.55                   |
| 03/04/26           | 8:51:50            | 3680                      | 11.09                | 317.98              | 10.55                   |
| 03/04/26           | 8:52:20            | 3710                      | 11.15                | 318.96              | 10.54                   |
| 03/04/26           | 8:52:50            | 3740                      | 11.17                | 315.94              | 10.53                   |
| <b>RAW AVERAGE</b> |                    |                           | <b>11.17</b>         | <b>319.17</b>       | <b>10.54</b>            |

| Bias | Serial Number: INST-CO-0051 INST-CO-0059 INST-22-0007 |                     |                       |
|------|-------------------------------------------------------|---------------------|-----------------------|
|      | CO outlet<br>(ppmvd)                                  | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%) |
|      | Initial Zero                                          | 0.05                | 0.72                  |
|      | Final Zero                                            | 0.08                | 0.23                  |
|      | Avg. Zero                                             | 0.07                | 0.48                  |
|      | Initial UpScale                                       | 10.05               | 251.60                |
|      | Final UpScale                                         | 10.09               | 251.30                |
|      | Avg. UpScale                                          | 10.07               | 251.45                |
|      | Upscale Cal Gas                                       | 10.00               | 250.00                |
|      |                                                       |                     | 11.96                 |

| EMISSIONS DATA                                | CO outlet | CO inlet | O <sub>2</sub> |
|-----------------------------------------------|-----------|----------|----------------|
| Corrected Raw Average (ppm/% [vol] dry basis) | 11.10     | 317.46   | 10.52          |
| Corrected Raw Average (ppm/% [vol] wet basis) | 9.84      | 281.24   | 9.32           |

VoltaGrid, LLC  
 March 4, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (inlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 2-inlet

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | CO outlet<br>(ppmvd) | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%vd) |
|--------------------|--------------------|---------------------------|----------------------|---------------------|-------------------------|
| 03/04/26           | 9:11:20            | 4850                      | 11.21                | 318.59              | 10.53                   |
| 03/04/26           | 9:11:50            | 4880                      | 11.21                | 315.30              | 10.52                   |
| 03/04/26           | 9:12:20            | 4910                      | 11.24                | 321.57              | 10.52                   |
| 03/04/26           | 9:12:50            | 4940                      | 11.24                | 320.45              | 10.52                   |
| 03/04/26           | 9:13:20            | 4970                      | 11.23                | 318.67              | 10.52                   |
| 03/04/26           | 9:13:50            | 5000                      | 11.23                | 317.73              | 10.51                   |
| 03/04/26           | 9:14:20            | 5030                      | 11.23                | 317.14              | 10.51                   |
| 03/04/26           | 9:14:50            | 5060                      | 11.32                | 320.17              | 10.51                   |
| 03/04/26           | 9:15:20            | 5090                      | 11.29                | 318.68              | 10.51                   |
| 03/04/26           | 9:15:50            | 5120                      | 11.28                | 318.17              | 10.51                   |
| 03/04/26           | 9:16:20            | 5150                      | 11.26                | 318.38              | 10.52                   |
| 03/04/26           | 9:16:50            | 5180                      | 11.26                | 318.58              | 10.51                   |
| 03/04/26           | 9:17:20            | 5210                      | 11.25                | 318.99              | 10.52                   |
| 03/04/26           | 9:17:50            | 5240                      | 11.16                | 317.54              | 10.52                   |
| 03/04/26           | 9:18:20            | 5270                      | 11.14                | 316.47              | 10.54                   |
| 03/04/26           | 9:18:50            | 5300                      | 11.19                | 316.56              | 10.53                   |
| 03/04/26           | 9:19:20            | 5330                      | 11.27                | 318.61              | 10.53                   |
| 03/04/26           | 9:19:50            | 5360                      | 11.27                | 317.90              | 10.54                   |
| 03/04/26           | 9:20:20            | 5390                      | 11.33                | 318.44              | 10.53                   |
| 03/04/26           | 9:20:50            | 5420                      | 11.32                | 318.02              | 10.53                   |
| 03/04/26           | 9:21:20            | 5450                      | 11.27                | 316.92              | 10.54                   |
| 03/04/26           | 9:21:50            | 5480                      | 11.32                | 317.87              | 10.54                   |
| 03/04/26           | 9:22:20            | 5510                      | 11.30                | 319.80              | 10.55                   |
| 03/04/26           | 9:22:50            | 5540                      | 11.29                | 317.15              | 10.55                   |
| 03/04/26           | 9:23:20            | 5570                      | 11.17                | 319.63              | 10.55                   |
| 03/04/26           | 9:23:50            | 5600                      | 11.25                | 319.68              | 10.54                   |
| 03/04/26           | 9:24:20            | 5630                      | 11.26                | 319.89              | 10.54                   |
| 03/04/26           | 9:24:50            | 5660                      | 11.25                | 319.64              | 10.54                   |
| 03/04/26           | 9:25:20            | 5690                      | 11.24                | 318.41              | 10.52                   |
| 03/04/26           | 9:25:50            | 5720                      | 11.19                | 318.40              | 10.52                   |
| 03/04/26           | 9:26:20            | 5750                      | 11.31                | 318.72              | 10.52                   |
| 03/04/26           | 9:26:50            | 5780                      | 11.38                | 318.25              | 10.51                   |
| 03/04/26           | 9:27:20            | 5810                      | 11.36                | 318.51              | 10.52                   |
| 03/04/26           | 9:27:50            | 5840                      | 11.33                | 319.22              | 10.53                   |
| 03/04/26           | 9:28:20            | 5870                      | 11.28                | 319.53              | 10.53                   |
| 03/04/26           | 9:28:50            | 5900                      | 11.24                | 300.20              | 10.54                   |
| 03/04/26           | 9:29:20            | 5930                      | 11.24                | 260.07              | 10.53                   |
| 03/04/26           | 9:29:50            | 5960                      | 11.28                | 319.18              | 10.52                   |
| 03/04/26           | 9:30:20            | 5990                      | 11.26                | 321.34              | 10.51                   |
| 03/04/26           | 9:30:50            | 6020                      | 11.26                | 318.23              | 10.51                   |
| 03/04/26           | 9:31:20            | 6050                      | 11.27                | 319.14              | 10.50                   |
| 03/04/26           | 9:31:50            | 6080                      | 11.31                | 319.91              | 10.51                   |
| 03/04/26           | 9:32:20            | 6110                      | 11.31                | 320.48              | 10.50                   |
| 03/04/26           | 9:32:50            | 6140                      | 11.32                | 319.40              | 10.51                   |
| 03/04/26           | 9:33:20            | 6170                      | 11.32                | 319.85              | 10.52                   |
| 03/04/26           | 9:33:50            | 6200                      | 11.33                | 320.02              | 10.53                   |
| 03/04/26           | 9:34:20            | 6230                      | 11.29                | 318.07              | 10.53                   |
| 03/04/26           | 9:34:50            | 6260                      | 11.22                | 319.47              | 10.53                   |
| 03/04/26           | 9:35:20            | 6290                      | 11.26                | 320.65              | 10.53                   |
| 03/04/26           | 9:35:50            | 6320                      | 11.25                | 319.52              | 10.54                   |
| 03/04/26           | 9:36:20            | 6350                      | 11.28                | 319.45              | 10.53                   |
| 03/04/26           | 9:36:50            | 6380                      | 11.25                | 319.48              | 10.53                   |
| 03/04/26           | 9:37:20            | 6410                      | 11.26                | 320.07              | 10.54                   |
| 03/04/26           | 9:37:50            | 6440                      | 11.35                | 319.86              | 10.53                   |
| 03/04/26           | 9:38:20            | 6470                      | 11.27                | 319.42              | 10.54                   |
| 03/04/26           | 9:38:50            | 6500                      | 11.27                | 319.65              | 10.54                   |
| 03/04/26           | 9:39:20            | 6530                      | 11.24                | 319.90              | 10.59                   |
| 03/04/26           | 9:39:50            | 6560                      | 11.20                | 320.96              | 10.57                   |
| 03/04/26           | 9:40:20            | 6590                      | 11.24                | 318.79              | 10.56                   |
| 03/04/26           | 9:40:50            | 6620                      | 11.20                | 319.90              | 10.55                   |
| 03/04/26           | 9:41:20            | 6650                      | 11.25                | 317.04              | 10.53                   |
| 03/04/26           | 9:41:50            | 6680                      | 11.27                | 321.59              | 10.54                   |
| 03/04/26           | 9:42:20            | 6710                      | 11.25                | 320.61              | 10.54                   |
| 03/04/26           | 9:42:50            | 6740                      | 11.27                | 318.76              | 10.53                   |
| 03/04/26           | 9:43:20            | 6770                      | 11.30                | 319.93              | 10.52                   |
| 03/04/26           | 9:43:50            | 6800                      | 11.27                | 320.10              | 10.53                   |
| 03/04/26           | 9:44:20            | 6830                      | 11.19                | 318.91              | 10.53                   |
| 03/04/26           | 9:44:50            | 6860                      | 11.19                | 316.69              | 10.52                   |
| 03/04/26           | 9:45:20            | 6890                      | 11.15                | 317.90              | 10.51                   |
| 03/04/26           | 9:45:50            | 6920                      | 11.23                | 317.48              | 10.52                   |
| 03/04/26           | 9:46:20            | 6950                      | 11.21                | 317.09              | 10.51                   |
| 03/04/26           | 9:46:50            | 6980                      | 11.27                | 320.57              | 10.50                   |
| 03/04/26           | 9:47:20            | 7010                      | 11.29                | 318.30              | 10.50                   |
| 03/04/26           | 9:47:50            | 7040                      | 11.32                | 319.46              | 10.51                   |

VoltaGrid, LLC  
 March 4, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (inlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 2-inlet

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | CO outlet<br>(ppmvd) | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%vd) |
|--------------------|--------------------|---------------------------|----------------------|---------------------|-------------------------|
| 03/04/26           | 9:48:20            | 7070                      | 11.32                | 319.77              | 10.51                   |
| 03/04/26           | 9:48:50            | 7100                      | 11.21                | 320.93              | 10.51                   |
| 03/04/26           | 9:49:20            | 7130                      | 11.19                | 319.95              | 10.52                   |
| 03/04/26           | 9:49:50            | 7160                      | 11.19                | 317.98              | 10.53                   |
| 03/04/26           | 9:50:20            | 7190                      | 11.25                | 319.68              | 10.52                   |
| 03/04/26           | 9:50:50            | 7220                      | 11.18                | 319.07              | 10.52                   |
| 03/04/26           | 9:51:20            | 7250                      | 11.23                | 318.76              | 10.53                   |
| 03/04/26           | 9:51:50            | 7280                      | 11.24                | 316.95              | 10.53                   |
| 03/04/26           | 9:52:20            | 7310                      | 11.31                | 318.05              | 10.52                   |
| 03/04/26           | 9:52:50            | 7340                      | 11.27                | 319.37              | 10.53                   |
| 03/04/26           | 9:53:20            | 7370                      | 11.28                | 319.14              | 10.53                   |
| 03/04/26           | 9:53:50            | 7400                      | 11.31                | 319.21              | 10.54                   |
| 03/04/26           | 9:54:20            | 7430                      | 11.29                | 318.94              | 10.54                   |
| 03/04/26           | 9:54:50            | 7460                      | 11.26                | 316.79              | 10.55                   |
| 03/04/26           | 9:55:20            | 7490                      | 11.30                | 319.51              | 10.55                   |
| 03/04/26           | 9:55:50            | 7520                      | 11.32                | 318.91              | 10.55                   |
| 03/04/26           | 9:56:20            | 7550                      | 11.30                | 318.72              | 10.56                   |
| 03/04/26           | 9:56:50            | 7580                      | 11.27                | 320.14              | 10.56                   |
| 03/04/26           | 9:57:20            | 7610                      | 11.28                | 319.93              | 10.56                   |
| 03/04/26           | 9:57:50            | 7640                      | 11.22                | 318.29              | 10.56                   |
| 03/04/26           | 9:58:20            | 7670                      | 11.24                | 319.09              | 10.56                   |
| 03/04/26           | 9:58:50            | 7700                      | 11.25                | 317.93              | 10.54                   |
| 03/04/26           | 9:59:20            | 7730                      | 11.23                | 317.72              | 10.54                   |
| 03/04/26           | 9:59:50            | 7760                      | 11.15                | 317.96              | 10.54                   |
| 03/04/26           | 10:00:20           | 7790                      | 11.22                | 317.10              | 10.54                   |
| 03/04/26           | 10:00:50           | 7820                      | 11.24                | 316.62              | 10.55                   |
| 03/04/26           | 10:01:20           | 7850                      | 11.23                | 317.54              | 10.54                   |
| 03/04/26           | 10:01:50           | 7880                      | 11.29                | 317.31              | 10.54                   |
| 03/04/26           | 10:02:20           | 7910                      | 11.28                | 318.53              | 10.53                   |
| 03/04/26           | 10:02:50           | 7940                      | 11.22                | 318.10              | 10.53                   |
| 03/04/26           | 10:03:20           | 7970                      | 11.26                | 319.39              | 10.53                   |
| 03/04/26           | 10:03:50           | 8000                      | 11.22                | 317.49              | 10.52                   |
| 03/04/26           | 10:04:20           | 8030                      | 11.24                | 318.59              | 10.52                   |
| 03/04/26           | 10:04:50           | 8060                      | 11.23                | 318.49              | 10.51                   |
| 03/04/26           | 10:05:20           | 8090                      | 11.22                | 318.17              | 10.52                   |
| 03/04/26           | 10:05:50           | 8120                      | 11.29                | 319.15              | 10.52                   |
| 03/04/26           | 10:06:20           | 8150                      | 11.30                | 316.72              | 10.52                   |
| 03/04/26           | 10:06:50           | 8180                      | 11.26                | 317.11              | 10.53                   |
| 03/04/26           | 10:07:20           | 8210                      | 11.25                | 318.75              | 10.53                   |
| 03/04/26           | 10:07:50           | 8240                      | 11.34                | 318.12              | 10.52                   |
| 03/04/26           | 10:08:20           | 8270                      | 11.26                | 318.61              | 10.52                   |
| 03/04/26           | 10:08:50           | 8300                      | 11.22                | 318.34              | 10.52                   |
| 03/04/26           | 10:09:20           | 8330                      | 11.23                | 317.61              | 10.53                   |
| 03/04/26           | 10:09:50           | 8360                      | 11.18                | 317.81              | 10.55                   |
| 03/04/26           | 10:10:20           | 8390                      | 11.36                | 320.77              | 10.54                   |
| 03/04/26           | 10:10:50           | 8420                      | 11.42                | 320.86              | 10.53                   |
| <b>RAW AVERAGE</b> |                    |                           | <b>11.26</b>         | <b>318.16</b>       | <b>10.53</b>            |

| Bias | Serial Number: INST-CO-0051 INST-CO-0059 INST-22-0007 |                     |                       |
|------|-------------------------------------------------------|---------------------|-----------------------|
|      | CO outlet<br>(ppmvd)                                  | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%) |
|      | Initial Zero                                          | 0.08                | 0.23                  |
|      | Final Zero                                            | 0.08                | 0.75                  |
|      | Avg. Zero                                             | 0.08                | 0.49                  |
|      | Initial UpScale                                       | 10.09               | 251.30                |
|      | Final UpScale                                         | 10.12               | 251.90                |
|      | Avg. UpScale                                          | 10.11               | 251.60                |
|      | Upscale Cal Gas                                       | 10.00               | 250.00                |
|      |                                                       |                     | 11.96                 |

| EMISSIONS DATA                                | CO outlet | CO inlet | O <sub>2</sub> |
|-----------------------------------------------|-----------|----------|----------------|
| Corrected Raw Average (ppm/% [vol] dry basis) | 11.15     | 316.26   | 10.51          |
| Corrected Raw Average (ppm/% [vol] wet basis) | 9.89      | 280.35   | 9.32           |

**VoltaGrid, LLC**  
**March 4, 2026**  
**Jenbacher, J620 Single GS-J715, Unit #G02 (inlet), Serial #1717939**  
**SAT-1 EGU**

>90 Load, Run - 3-inlet

| <b>Date</b><br><b>(mm/dd/yy)</b> | <b>Time</b><br><b>(hh:mm:ss)</b> | <b>Elapsed Time</b><br><b>(seconds)</b> | <b>CO outlet</b><br><b>(ppmvd)</b> | <b>CO inlet</b><br><b>(ppmvd)</b> | <b>O<sub>2</sub></b><br><b>(%vd)</b> |
|----------------------------------|----------------------------------|-----------------------------------------|------------------------------------|-----------------------------------|--------------------------------------|
| 03/04/26                         | 10:44:20                         | 10430                                   | 11.25                              | 316.41                            | 10.56                                |
| 03/04/26                         | 10:44:50                         | 10460                                   | 11.22                              | 316.62                            | 10.55                                |
| 03/04/26                         | 10:45:20                         | 10490                                   | 11.18                              | 315.35                            | 10.56                                |
| 03/04/26                         | 10:45:50                         | 10520                                   | 11.14                              | 316.90                            | 10.57                                |
| 03/04/26                         | 10:46:20                         | 10550                                   | 11.17                              | 317.00                            | 10.57                                |
| 03/04/26                         | 10:46:50                         | 10580                                   | 11.19                              | 318.11                            | 10.57                                |
| 03/04/26                         | 10:47:20                         | 10610                                   | 11.16                              | 315.68                            | 10.58                                |
| 03/04/26                         | 10:47:50                         | 10640                                   | 11.17                              | 316.38                            | 10.57                                |
| 03/04/26                         | 10:48:20                         | 10670                                   | 11.19                              | 317.15                            | 10.57                                |
| 03/04/26                         | 10:48:50                         | 10700                                   | 11.20                              | 318.34                            | 10.57                                |
| 03/04/26                         | 10:49:20                         | 10730                                   | 11.25                              | 318.39                            | 10.55                                |
| 03/04/26                         | 10:49:50                         | 10760                                   | 11.23                              | 316.62                            | 10.55                                |
| 03/04/26                         | 10:50:20                         | 10790                                   | 11.24                              | 316.95                            | 10.55                                |
| 03/04/26                         | 10:50:50                         | 10820                                   | 11.21                              | 318.68                            | 10.55                                |
| 03/04/26                         | 10:51:20                         | 10850                                   | 11.16                              | 317.15                            | 10.54                                |
| 03/04/26                         | 10:51:50                         | 10880                                   | 11.12                              | 318.02                            | 10.54                                |
| 03/04/26                         | 10:52:20                         | 10910                                   | 11.14                              | 315.68                            | 10.54                                |
| 03/04/26                         | 10:52:50                         | 10940                                   | 11.14                              | 317.39                            | 10.54                                |
| 03/04/26                         | 10:53:20                         | 10970                                   | 11.14                              | 316.47                            | 10.53                                |
| 03/04/26                         | 10:53:50                         | 11000                                   | 11.20                              | 316.05                            | 10.53                                |
| 03/04/26                         | 10:54:20                         | 11030                                   | 11.19                              | 316.75                            | 10.53                                |
| 03/04/26                         | 10:54:50                         | 11060                                   | 11.16                              | 315.79                            | 10.54                                |
| 03/04/26                         | 10:55:20                         | 11090                                   | 11.15                              | 315.08                            | 10.54                                |
| 03/04/26                         | 10:55:50                         | 11120                                   | 11.06                              | 315.33                            | 10.54                                |
| 03/04/26                         | 10:56:20                         | 11150                                   | 11.10                              | 315.75                            | 10.54                                |
| 03/04/26                         | 10:56:50                         | 11180                                   | 11.13                              | 315.74                            | 10.55                                |
| 03/04/26                         | 10:57:20                         | 11210                                   | 11.07                              | 315.72                            | 10.55                                |
| 03/04/26                         | 10:57:50                         | 11240                                   | 11.16                              | 314.92                            | 10.55                                |
| 03/04/26                         | 10:58:20                         | 11270                                   | 11.15                              | 315.20                            | 10.55                                |
| 03/04/26                         | 10:58:50                         | 11300                                   | 11.23                              | 314.79                            | 10.55                                |
| 03/04/26                         | 10:59:20                         | 11330                                   | 11.17                              | 315.93                            | 10.56                                |
| 03/04/26                         | 10:59:50                         | 11360                                   | 11.18                              | 314.76                            | 10.56                                |
| 03/04/26                         | 11:00:20                         | 11390                                   | 11.19                              | 316.12                            | 10.56                                |
| 03/04/26                         | 11:00:50                         | 11420                                   | 11.18                              | 314.85                            | 10.56                                |
| 03/04/26                         | 11:01:20                         | 11450                                   | 11.19                              | 313.46                            | 10.58                                |
| 03/04/26                         | 11:01:50                         | 11480                                   | 11.14                              | 313.68                            | 10.57                                |
| 03/04/26                         | 11:02:20                         | 11510                                   | 11.16                              | 314.45                            | 10.57                                |
| 03/04/26                         | 11:02:50                         | 11540                                   | 11.19                              | 316.25                            | 10.58                                |
| 03/04/26                         | 11:03:20                         | 11570                                   | 11.12                              | 314.52                            | 10.59                                |
| 03/04/26                         | 11:03:50                         | 11600                                   | 11.12                              | 316.22                            | 10.60                                |
| 03/04/26                         | 11:04:20                         | 11630                                   | 11.08                              | 313.42                            | 10.60                                |
| 03/04/26                         | 11:04:50                         | 11660                                   | 11.10                              | 314.13                            | 10.58                                |
| 03/04/26                         | 11:05:20                         | 11690                                   | 11.15                              | 315.17                            | 10.57                                |
| 03/04/26                         | 11:05:50                         | 11720                                   | 11.13                              | 314.99                            | 10.56                                |
| 03/04/26                         | 11:06:20                         | 11750                                   | 11.20                              | 317.20                            | 10.56                                |
| 03/04/26                         | 11:06:50                         | 11780                                   | 11.23                              | 315.94                            | 11.45                                |
| 03/04/26                         | 11:07:20                         | 11810                                   | 11.26                              | 316.49                            | 10.92                                |
| 03/04/26                         | 11:07:50                         | 11840                                   | 11.29                              | 315.94                            | 10.62                                |
| 03/04/26                         | 11:08:20                         | 11870                                   | 11.27                              | 316.76                            | 10.63                                |
| 03/04/26                         | 11:08:50                         | 11900                                   | 11.25                              | 315.63                            | 10.62                                |
| 03/04/26                         | 11:09:20                         | 11930                                   | 11.25                              | 316.33                            | 10.60                                |
| 03/04/26                         | 11:09:50                         | 11960                                   | 11.17                              | 313.64                            | 10.61                                |
| 03/04/26                         | 11:10:20                         | 11990                                   | 11.17                              | 315.07                            | 10.60                                |
| 03/04/26                         | 11:10:50                         | 12020                                   | 11.15                              | 315.24                            | 10.59                                |
| 03/04/26                         | 11:11:20                         | 12050                                   | 11.17                              | 314.19                            | 10.59                                |
| 03/04/26                         | 11:11:50                         | 12080                                   | 11.20                              | 315.08                            | 10.59                                |
| 03/04/26                         | 11:12:20                         | 12110                                   | 11.22                              | 315.15                            | 10.59                                |
| 03/04/26                         | 11:12:50                         | 12140                                   | 11.23                              | 315.52                            | 10.60                                |
| 03/04/26                         | 11:13:20                         | 12170                                   | 11.18                              | 315.48                            | 10.61                                |
| 03/04/26                         | 11:13:50                         | 12200                                   | 11.23                              | 316.13                            | 10.61                                |
| 03/04/26                         | 11:14:20                         | 12230                                   | 11.15                              | 312.79                            | 10.62                                |
| 03/04/26                         | 11:14:50                         | 12260                                   | 11.17                              | 314.89                            | 10.63                                |
| 03/04/26                         | 11:15:20                         | 12290                                   | 11.10                              | 315.14                            | 10.65                                |
| 03/04/26                         | 11:15:50                         | 12320                                   | 11.21                              | 315.99                            | 10.65                                |
| 03/04/26                         | 11:16:20                         | 12350                                   | 11.17                              | 315.89                            | 10.67                                |
| 03/04/26                         | 11:16:50                         | 12380                                   | 11.17                              | 314.18                            | 10.66                                |
| 03/04/26                         | 11:17:20                         | 12410                                   | 11.16                              | 315.56                            | 10.65                                |
| 03/04/26                         | 11:17:50                         | 12440                                   | 11.13                              | 315.30                            | 10.65                                |
| 03/04/26                         | 11:18:20                         | 12470                                   | 11.14                              | 315.37                            | 10.64                                |
| 03/04/26                         | 11:18:50                         | 12500                                   | 11.18                              | 315.37                            | 10.65                                |
| 03/04/26                         | 11:19:20                         | 12530                                   | 11.17                              | 315.23                            | 10.67                                |
| 03/04/26                         | 11:19:50                         | 12560                                   | 11.20                              | 316.43                            | 10.67                                |
| 03/04/26                         | 11:20:20                         | 12590                                   | 11.22                              | 315.61                            | 10.68                                |
| 03/04/26                         | 11:20:50                         | 12620                                   | 11.18                              | 317.27                            | 10.69                                |

VoltaGrid, LLC  
 March 4, 2026  
 Jenbacher, J620 Single GS-J715, Unit #G02 (inlet), Serial #1717939  
 SAT-1 EGU

>90 Load, Run - 3-inlet

| Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Elapsed Time<br>(seconds) | CO outlet<br>(ppmvd) | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%vd) |
|--------------------|--------------------|---------------------------|----------------------|---------------------|-------------------------|
| 03/04/26           | 11:21:20           | 12650                     | 11.28                | 316.24              | 10.70                   |
| 03/04/26           | 11:21:50           | 12680                     | 11.25                | 314.45              | 10.69                   |
| 03/04/26           | 11:22:20           | 12710                     | 11.19                | 315.40              | 10.69                   |
| 03/04/26           | 11:22:50           | 12740                     | 11.19                | 315.48              | 10.69                   |
| 03/04/26           | 11:23:20           | 12770                     | 11.21                | 313.67              | 10.69                   |
| 03/04/26           | 11:23:50           | 12800                     | 11.22                | 314.01              | 10.67                   |
| 03/04/26           | 11:24:20           | 12830                     | 11.18                | 317.06              | 10.66                   |
| 03/04/26           | 11:24:50           | 12860                     | 11.15                | 316.05              | 10.67                   |
| 03/04/26           | 11:25:20           | 12890                     | 11.14                | 315.30              | 10.67                   |
| 03/04/26           | 11:25:50           | 12920                     | 11.21                | 316.56              | 10.67                   |
| 03/04/26           | 11:26:20           | 12950                     | 11.16                | 314.31              | 10.68                   |
| 03/04/26           | 11:26:50           | 12980                     | 11.10                | 314.37              | 10.68                   |
| 03/04/26           | 11:27:20           | 13010                     | 11.10                | 312.50              | 10.68                   |
| 03/04/26           | 11:27:50           | 13040                     | 11.07                | 314.19              | 10.70                   |
| 03/04/26           | 11:28:20           | 13070                     | 11.06                | 313.69              | 10.71                   |
| 03/04/26           | 11:28:50           | 13100                     | 11.09                | 313.36              | 10.73                   |
| 03/04/26           | 11:29:20           | 13130                     | 11.08                | 314.02              | 10.72                   |
| 03/04/26           | 11:29:50           | 13160                     | 11.11                | 312.19              | 10.71                   |
| 03/04/26           | 11:30:20           | 13190                     | 11.07                | 312.53              | 10.77                   |
| 03/04/26           | 11:30:50           | 13220                     | 11.16                | 311.76              | 10.80                   |
| 03/04/26           | 11:31:20           | 13250                     | 11.14                | 312.49              | 10.75                   |
| 03/04/26           | 11:31:50           | 13280                     | 11.13                | 313.59              | 10.75                   |
| 03/04/26           | 11:32:20           | 13310                     | 11.02                | 313.46              | 10.76                   |
| 03/04/26           | 11:32:50           | 13340                     | 11.05                | 312.85              | 10.76                   |
| 03/04/26           | 11:33:20           | 13370                     | 11.08                | 312.89              | 10.79                   |
| 03/04/26           | 11:33:50           | 13400                     | 11.11                | 314.09              | 10.84                   |
| 03/04/26           | 11:34:20           | 13430                     | 11.16                | 313.39              | 10.91                   |
| 03/04/26           | 11:34:50           | 13460                     | 11.13                | 313.75              | 11.17                   |
| 03/04/26           | 11:35:20           | 13490                     | 11.13                | 315.35              | 11.61                   |
| 03/04/26           | 11:35:50           | 13520                     | 11.09                | 314.91              | 11.62                   |
| 03/04/26           | 11:36:20           | 13550                     | 11.13                | 313.35              | 11.73                   |
| 03/04/26           | 11:36:50           | 13580                     | 11.16                | 315.27              | 11.23                   |
| 03/04/26           | 11:37:20           | 13610                     | 11.13                | 314.91              | 10.83                   |
| 03/04/26           | 11:37:50           | 13640                     | 11.16                | 315.57              | 10.80                   |
| 03/04/26           | 11:38:20           | 13670                     | 11.19                | 314.77              | 10.84                   |
| 03/04/26           | 11:38:50           | 13700                     | 11.15                | 313.37              | 10.88                   |
| 03/04/26           | 11:39:20           | 13730                     | 11.20                | 314.95              | 10.97                   |
| 03/04/26           | 11:39:50           | 13760                     | 11.15                | 314.17              | 10.92                   |
| 03/04/26           | 11:40:20           | 13790                     | 11.17                | 317.29              | 10.94                   |
| 03/04/26           | 11:40:50           | 13820                     | 11.24                | 316.19              | 10.88                   |
| 03/04/26           | 11:41:20           | 13850                     | 11.19                | 315.79              | 10.90                   |
| 03/04/26           | 11:41:50           | 13880                     | 11.10                | 314.03              | 11.17                   |
| 03/04/26           | 11:42:20           | 13910                     | 11.12                | 313.18              | 11.55                   |
| 03/04/26           | 11:42:50           | 13940                     | 11.10                | 315.16              | 11.79                   |
| 03/04/26           | 11:43:20           | 13970                     | 11.10                | 314.91              | 11.68                   |
| 03/04/26           | 11:43:50           | 14000                     | 11.22                | 316.37              | 11.63                   |
| <b>RAW AVERAGE</b> |                    |                           | <b>11.16</b>         | <b>315.25</b>       | <b>10.73</b>            |

| Bias | Serial Number: INST-CO-0051 INST-CO-0059 INST-22-0007 |                     |                       |
|------|-------------------------------------------------------|---------------------|-----------------------|
|      | CO outlet<br>(ppmvd)                                  | CO inlet<br>(ppmvd) | O <sub>2</sub><br>(%) |
|      | Initial Zero                                          | 0.08                | 0.75                  |
|      | Final Zero                                            | 0.12                | 0.28                  |
|      | Avg. Zero                                             | 0.10                | 0.52                  |
|      | Initial UpScale                                       | 10.12               | 251.90                |
|      | Final UpScale                                         | 10.02               | 251.40                |
|      | Avg. UpScale                                          | 10.07               | 251.65                |
|      | Upscale Cal Gas                                       | 10.00               | 250.00                |
|      |                                                       |                     | 11.96                 |

| EMISSIONS DATA                                | CO outlet | CO inlet | O <sub>2</sub> |
|-----------------------------------------------|-----------|----------|----------------|
| Corrected Raw Average (ppm/% [vol] dry basis) | 11.10     | 313.32   | 10.71          |
| Corrected Raw Average (ppm/% [vol] wet basis) | 9.85      | 278.13   | 9.51           |

**APPENDIX C**

**CALIBRATION GAS CERTIFICATIONS**



Assay Laboratory: Red Ball TGS  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150

## CERTIFICATE OF ANALYSIS (Zero Ambient Nitrogen)

|                    |                     |                               |                     |
|--------------------|---------------------|-------------------------------|---------------------|
| Cylinder Number:   | CC763118            | Certification Date:           | 07/21/2025          |
| Product ID Number: | 121026              | Expiration Date:              | 07/19/2033          |
| Cylinder Pressure: | 1900 PSIG           | MFG Facility:                 | RBTGS-Shreveport-LA |
| COA #              | CC763118.20250721-0 | Lot Number:                   | CC763118.20250721   |
| Customer PO. NO.:  |                     | Tracking Number:              | 108810215           |
| Customer:          |                     | Previous Certification Dates: |                     |

|                                                                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------|--|
| This mixture is for laboratory use only, not for drug, household or other use.                                     |  |
| This mixture is certified in Mole % to be within $\pm 2\%$ of the actual number reported with a confidence of 95%. |  |
| This mixture was manufactured by scale; weights traceable to N.I.S.T. Certificate #822/266926-02.                  |  |
| Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).                                                          |  |

### Composing Material: Zero Ambient Nitrogen, Cert., Sz152

| Component                            | Specification | Concentration |
|--------------------------------------|---------------|---------------|
| Nitrogen                             | Balance       | Balance       |
| Oxygen as Impurity                   | <1.0 PPM      | <1.0 PPM      |
| Carbon Dioxide as Impurity           | <0.5 PPM      | <0.5 PPM      |
| Carbon Monoxide as Impurity          | <0.5 PPM      | <0.5 PPM      |
| Total Oxides of Nitrogen as Impurity | <0.1 PPM      | <0.1 PPM      |
| Sulfur Dioxide as Impurity           | <0.1 PPM      | <0.1 PPM      |
| Total Hydrocarbons as Impurity       | <0.1 PPM      | <0.1 PPM      |

Red Ball Technical Gas Service  
PGVP Vendor ID # G12025  
Information and Ordering  
800-551-8150  
Fax (318-425-6309)



*Brittany Johnson*

Brittany Johnson  
Analytical Chemist

Version 02-B, Revised on 2015-05-27



Red Ball Technical Gas Service  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150  
PGVP Vendor ID # G12022

## EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

|                    |                      |                               |                    |
|--------------------|----------------------|-------------------------------|--------------------|
| Cylinder Number:   | EB0032353            | Certification Date:           | 09/12/2022         |
| Product ID Number: | 125537               | Expiration Date:              | 09/10/2030         |
| Cylinder Pressure: | 1900 PSIG            | MFG Facility:                 | - Shreveport - LA  |
| COA #              | EB0032353.20220830-0 | Lot Number:                   | EB0032353.20220830 |
| Customer PO. NO.:  |                      | Tracking Number:              | 056558832          |
| Customer:          |                      | Previous Certification Dates: |                    |

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G2.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

### Certified Concentration(s)

| Component | Concentration | Uncertainty | Analytical Principle | Assayed On |
|-----------|---------------|-------------|----------------------|------------|
| Propane   | 25.5 PPM      | ±0.2 PPM    | FTIR                 | 09/12/2022 |
| Nitrogen  | Balance       |             |                      |            |

Analytical Measurement Data Available Online.

### Reference Standard(s)

| Serial Number | Lot                | Expiration | Type | Balance | Component | Concentration | Uncertainty(%) | NIST Reference |
|---------------|--------------------|------------|------|---------|-----------|---------------|----------------|----------------|
| EB0102888     | EB0102888.20171121 | 05/12/2026 | GMIS | N2      | C3H8      | 242 PPM       | 0.429          | 2644a          |

### Analytical Instrumentation

| Component | Principle | Make | Model               | Serial    | MPC Date   |
|-----------|-----------|------|---------------------|-----------|------------|
| C3H8      | FTIR      | MKS  | MKS 2031DJG2EKVS13T | 017146467 | 08/29/2022 |

### SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Jasmine Godfrey

Jasmine Godfrey  
Analytical Chemist  
Assay Laboratory: Red Ball TGS  
Version 02-J, Revised on 2018-09-17



Red Ball Technical Gas Service  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150  
PGVP Vendor ID # G12024

## EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

|                    |                      |                               |                    |
|--------------------|----------------------|-------------------------------|--------------------|
| Cylinder Number:   | EB0060652            | Certification Date:           | 09/18/2024         |
| Product ID Number: | 125416               | Expiration Date:              | 09/18/2027         |
| Cylinder Pressure: | 1900 PSIG            | MFG Facility:                 | - Shreveport - LA  |
| COA #              | EB0060652.20240905-0 | Lot Number:                   | EB0060652.20240905 |
| Customer PO. NO.:  |                      | Tracking Number:              | 083008306          |
| Customer:          |                      | Previous Certification Dates: |                    |

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G1.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

### Certified Concentration(s)

| Component                | Concentration | Uncertainty | Analytical Principle | Assayed On             |
|--------------------------|---------------|-------------|----------------------|------------------------|
| Carbon Monoxide          | 25.4 PPM      | ±0.18 PPM   | GCF                  | 09/11/2024             |
| Nitric Oxide             | 24.9 PPM      | ±0.11 PPM   | Chemiluminescence    | 09/09/2024, 09/18/2024 |
| Total Oxides of Nitrogen | 25.2 PPM      |             |                      |                        |
| Nitrogen                 | Balance       |             |                      |                        |

Analytical Measurement Data Available Online.

### Reference Standard(s)

| Serial Number | Lot                | Expiration | Type | Balance | Component | Concentration | Uncertainty(%) | NIST Reference |
|---------------|--------------------|------------|------|---------|-----------|---------------|----------------|----------------|
| APE1782168    | APE1782168         | 09/27/2026 | PRM  | N2      | NO        | 99.95 PPM     | 0.3            | C2384201.01A   |
| CC736784      | CC736784.20220728  | 10/18/2031 | GMIS | N2      | CO        | 47.75 PPM     | 0.265          | SRM 2636a      |
| EB0016824     | EB0016824.20221108 | 04/28/2032 | GMIS | N2      | CO        | 47.59 PPM     | 0.227          | SRM 2636a      |
| EB0078033     | EB0078033.20221130 | 01/09/2027 | GMIS | N2      | NO        | 29.46 PPM     | 0.412          | C2281801.03    |

### Analytical Instrumentation

| Component | Principle         | Make   | Model   | Serial      | MPC Date   |
|-----------|-------------------|--------|---------|-------------|------------|
| NO        | Chemiluminescence | Thermo | 42IQ-HL | 12321229099 | 08/21/2024 |
| CO        | GCF               | Thermo | T48i    | 11708001    | 09/10/2024 |
| NO        | Chemiluminescence | Thermo | 42IQ-HL | 12321229099 | 09/13/2024 |

### SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Page 38 of 90

Timothy Davis  
Analytical Chemist  
Assay Laboratory: Red Ball TGS  
Version 02-K, Revised on 2023-09-07



Red Ball Technical Gas Service  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150  
PGVP Vendor ID # G12023

## EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

|                    |                      |                               |                    |
|--------------------|----------------------|-------------------------------|--------------------|
| Cylinder Number:   | EB0073636            | Certification Date:           | 01/04/2023         |
| Product ID Number: | 125310               | Expiration Date:              | 01/02/2031         |
| Cylinder Pressure: | 1750 PSIG            | MFG Facility:                 | - Shreveport - LA  |
| COA #              | EB0073636.20221108-0 | Lot Number:                   | EB0073636.20221108 |
| Customer PO. NO.:  |                      | Tracking Number:              | 084265324          |
| Customer:          |                      | Previous Certification Dates: |                    |

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G2.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

### Certified Concentration(s)

| Component                | Concentration | Uncertainty | Analytical Principle | Assayed On             |
|--------------------------|---------------|-------------|----------------------|------------------------|
| Carbon Monoxide          | 2530 PPM      | ±19 PPM     | FTIR                 | 01/04/2023             |
| Nitric Oxide             | 2480 PPM      | ±16 PPM     | Chemiluminescence    | 12/02/2022, 12/16/2022 |
| Total Oxides of Nitrogen | 2480 PPM      |             |                      |                        |
| Nitrogen                 | Balance       |             |                      |                        |

Analytical Measurement Data Available Online.

### Reference Standard(s)

| Serial Number | Lot                | Expiration | Type | Balance | Component | Concentration | Uncertainty(%) | NIST Reference |
|---------------|--------------------|------------|------|---------|-----------|---------------|----------------|----------------|
| EB0003588     | EB0003588.20210611 | 03/08/2030 | GMIS | N2      | NO        | 1437 PPM      | 0.488          | SRM 2630       |
| EB0019703     | EB0019703.20210928 | 07/12/2030 | GMIS | N2      | CO        | 2284 PPM      | 0.266          | SRM 2638a      |

### Analytical Instrumentation

| Component | Principle         | Make   | Model               | Serial     | MPC Date   |
|-----------|-------------------|--------|---------------------|------------|------------|
| NO        | Chemiluminescence | Thermo | 42i-HL              | 1162380008 | 12/02/2022 |
| NO        | Chemiluminescence | Thermo | 42i-HL              | 1162380008 | 12/02/2022 |
| CO        | FTIR              | MKS    | MKS 2031DJG2EKVS13T | 017146467  | 01/03/2023 |

### SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Anthony Cyr  
Assistant Operations Manager  
Assay Laboratory: Red Ball TGS  
Version 02-J, Revised on 2018-09-17



Red Ball Technical Gas Service  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150  
PGVP Vendor ID # G12025

## EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

|                    |                      |                               |                    |
|--------------------|----------------------|-------------------------------|--------------------|
| Cylinder Number:   | EB0080848            | Certification Date:           | 01/22/2025         |
| Product ID Number: | 124605               | Expiration Date:              | 01/20/2033         |
| Cylinder Pressure: | 1900 PSIG            | MFG Facility:                 | - Shreveport - LA  |
| COA #              | EB0080848.20250107-0 | Lot Number:                   | EB0080848.20250107 |
| Customer PO. NO.:  |                      | Tracking Number:              | 084094054          |
| Customer:          |                      | Previous Certification Dates: |                    |

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G2.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

### Certified Concentration(s)

| Component      | Concentration | Uncertainty | Analytical Principle | Assayed On |
|----------------|---------------|-------------|----------------------|------------|
| Carbon Dioxide | 19.0 %        | ±0.13 %     | FTIR                 | 01/22/2025 |
| Oxygen         | 20.98 %       | ±0.07 %     | MPA                  | 01/15/2025 |
| Nitrogen       | Balance       |             |                      |            |

Analytical Measurement Data Available Online.

### Reference Standard(s)

| Serial Number | Lot                | Expiration | Type | Balance | Component | Concentration | Uncertainty(%) | NIST Reference |
|---------------|--------------------|------------|------|---------|-----------|---------------|----------------|----------------|
| D245724       | D245724            | 06/03/2029 | PRM  | N2      | O2        | 24.531 %      | 0.1019         | C2459101.03    |
| EB0005425     | EB0005425.20230816 | 07/09/2032 | GMIS | N2      | CO2       | 19.62 %       | 0.335          | C2281801.04    |
| EB0010822     | EB0010822.20230816 | 07/09/2032 | GMIS | N2      | CO2       | 24.84 %       | 0.292          | C2190301.03    |
| RR04304       | RR04304.20240208   | 10/20/2032 | GMIS | N2      | O2        | 12 %          | 0.192          | SRM 2659a      |

### Analytical Instrumentation

| Component | Principle | Make   | Model               | Serial     | MPC Date   |
|-----------|-----------|--------|---------------------|------------|------------|
| O2        | MPA       | Thermo | 410i                | 1162980025 | 01/06/2025 |
| CO2       | FTIR      | MKS    | MKS 2031DJG2EKVS13T | 017146467  | 01/05/2025 |

### SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Page 40 of 90

*Gabriel Ouma*

Gabriel Ouma  
Analytical Chemist  
Assay Laboratory: Red Ball TGS  
Version 02-N, Revised on 2024-11-03



Red Ball Technical Gas Service  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150  
PGVP Vendor ID # G12025

## EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

|                    |                     |                               |                   |
|--------------------|---------------------|-------------------------------|-------------------|
| Cylinder Number:   | CC719156            | Certification Date:           | 06/11/2025        |
| Product ID Number: | 124606              | Expiration Date:              | 06/09/2033        |
| Cylinder Pressure: | 1900 PSIG           | MFG Facility:                 | - Shreveport - LA |
| COA #              | CC719156.20250606-0 | Lot Number:                   | CC719156.20250606 |
| Customer PO. NO.:  |                     | Tracking Number:              | 098490547         |
| Customer:          |                     | Previous Certification Dates: |                   |

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G1.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

### Certified Concentration(s)

| Component      | Concentration | Uncertainty | Analytical Principle | Assayed On |
|----------------|---------------|-------------|----------------------|------------|
| Carbon Dioxide | 8.96 %        | ±0.08 %     | NDIR                 | 06/10/2025 |
| Oxygen         | 11.96 %       | ±0.02 %     | MPA                  | 06/11/2025 |
| Nitrogen       | Balance       |             |                      |            |

Analytical Measurement Data Available Online.

### Reference Standard(s)

| Serial Number | Lot                | Expiration | Type | Balance | Component | Concentration | Uncertainty(%) | NIST Reference |
|---------------|--------------------|------------|------|---------|-----------|---------------|----------------|----------------|
| CC770489      | CC770489.20240512  | 02/09/2033 | GMIS | N2      | O2        | 24.01 %       | 0.145          | C2459101.03    |
| EB0005425     | EB0005425.20230816 | 07/09/2032 | GMIS | N2      | CO2       | 19.62 %       | 0.335          | C2281801.04    |
| EB0021935     | EB0021935.20230816 | 09/18/2032 | GMIS | N2      | CO2       | 9.5 %         | 0.176          | C2281801.04    |

### Analytical Instrumentation

| Component | Principle | Make   | Model | Serial     | MPC Date   |
|-----------|-----------|--------|-------|------------|------------|
| CO2       | NDIR      | Thermo | 410i  | 1162980025 | 06/02/2025 |
| O2        | MPA       | Thermo | 410i  | 1162980025 | 06/10/2025 |

### SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

*Brittany Johnson*

Brittany Johnson  
Analytical Chemist  
Assay Laboratory: Red Ball TGS  
Version 02-N, Revised on 2024-11-03

**SPECGAS, INC.**

# CERTIFICATE

SPECGAS, Inc.  
86 Vincent Circle  
Warminster, PA. 18974  
Tel. 215 443 2600  
Fax. 215 443 2665  
WWW.SPECGASINC.COM



## ANALYTICAL REPORT-PRODUCT CERTIFICATION

SOLD TO: Red Ball Oxygen  
555 Craig Kennedy Way  
Shreveport, LA. 71107

SHIP TO: Air Hygiene Broken Arrow  
1600 West Tacoma Street  
Broken Arrow, OK 74012

DATE: 10/30/25  
PO#: 4090001

## CERTIFIED STANDARD MIXTURE

CYLINDER #  
CC517653

| Component    |                   | Nominal  | Actual   |
|--------------|-------------------|----------|----------|
| FORMALDEHYDE | CH <sub>2</sub> O | 30.0 ppm | 30.3 ppm |
| NITROGEN     | N <sub>2</sub>    | Balance  | Balance  |

Blend Tolerance: +/- 20 %

Analytical Tolerance: +/- 5 %

PRESSURE: 1335 psia

VALVE: CGA 350 s/s

CYL. SIZE: 150A "SGS" COC

ANALYSIS DATE: 10/30/25

EXPIRATION DATE: 4/30/26

UN 1956, Compressed Gas N.O.S.

(Formaldehyde, Nitrogen) 2.2

Emergency Phone #: 1 800 535 5053

N.I.S.T.: Mixture was blended on a high resolution Scale (Sartorius Combits 1, Serial # 29503041) Traceable to N.I.S.T. through test # 38643-008982-01  
ASTM Class 1, S/N 553M, ID# 10-J  
4kg wt. (Serial #85424) Standards traceable to N.I.S.T. through weight & measures test #LWS20250701



### Warning

Contains gas under pressure  
May explode if heated  
May displace oxygen and cause rapid suffocation

ANALYST

*[Signature]*

DATE

10/30/25



Red Ball Technical Gas Service  
555 Craig Kennedy Way  
Shreveport, LA 71107  
800-551-8150  
PGVP Vendor ID # G12024

## EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

|                    |                      |                               |                    |
|--------------------|----------------------|-------------------------------|--------------------|
| Cylinder Number:   | EB0003147            | Certification Date:           | 12/05/2024         |
| Product ID Number: | 125205               | Expiration Date:              | 12/03/2032         |
| Cylinder Pressure: | 1900 PSIG            | MFG Facility:                 | - Shreveport - LA  |
| COA #              | EB0003147.20241127-0 | Lot Number:                   | EB0003147.20241127 |
| Customer PO. NO.:  |                      | Tracking Number:              | 6033392            |
| Customer:          |                      | Previous Certification Dates: |                    |

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G2.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

### Certified Concentration(s)

| Component | Concentration | Uncertainty | Analytical Principle | Assayed On |
|-----------|---------------|-------------|----------------------|------------|
| Methane   | 30.0 PPM      | ±0.17 PPM   | FTIR                 | 12/05/2024 |
| Nitrogen  | Balance       |             |                      |            |

Analytical Measurement Data Available Online.

### Reference Standard(s)

| Serial Number | Lot                | Expiration | Type | Balance | Component | Concentration | Uncertainty(%) | NIST Reference |
|---------------|--------------------|------------|------|---------|-----------|---------------|----------------|----------------|
| EB0046492     | EB0046492.20230908 | 07/10/2032 | GMIS | N2      | CH4       | 60.88 PPM     | 0.412          | C2413001.05    |

### Analytical Instrumentation

| Component | Principle | Make | Model               | Serial    | MPC Date   |
|-----------|-----------|------|---------------------|-----------|------------|
| CH4       | FTIR      | MKS  | MKS 2031DJG2EKVS13T | 017146467 | 11/06/2024 |

### SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Page 43 of 90

Brittany Johnson  
Analytical Chemist  
Assay Laboratory: Red Ball TGS  
Version 02-N, Revised on 2024-11-03

**APPENDIX D**

**QUALITY ASSURANCE AND QUALITY CONTROL DATA**

## QA/QC PROGRAM

AIR HYGIENE ensures the quality and validity of its emission measurement and reporting procedures through a rigorous quality assurance (QA) program. The program is developed and administered by an internal QA team and encompasses six major areas:

1. Field Qualifications
2. QA reviews of reports, laboratory work, and field testing
3. Equipment calibration and maintenance
4. Chain-of-custody
5. Training
6. Knowledge of current test methods

### Field Qualifications

Air Hygiene personnel are required to gain and maintain competence with testing methods and techniques according to their job titles and the roles they play during field testing events. Qualifications for each job description include:

**Staff Technician** - An entry level position with responsibility to test on the stack by performing duties that include keep trucks and trailers stocked and clean, travel to and from job site, be the “hands of the test” on the stack; stay on a stack during the sample test, set up and tear down equipment on-site, perform maintenance on equipment in the shop and on-site.

**Test Technician or Specialist** - Acts as the “hands of the test” on the stack by performing duties that include: stay on a stack during the sample test, migrate to the testing trailer and learn the different analyzers and testing methods used on site, set up and tear down testing equipment on site, learn the system for testing from Testing Managers and Project Managers, travel to and from job site; including driving responsibilities under DOT requirements, follow directions of Testing Managers and Project Managers, learn the proper way to conduct on-site test of stationary stacks

**Test Manager or Engineer** - Directs and coordinates all aspects of a successful test by performing the following duties personally or through subordinate supervisors including: operating analyzers and consoles during testing along with QA/QC procedures, supervise set up and tear down of equipment on site, writing, reviewing, and revising final test reports, working with the client or state personnel while on the job site, managing pre-test checklists and onsite testing procedures, diagnose and repair any problems that may arise with the equipment, safely operate a man lift and drive a truck with or without a trailer, act as crew leader in the field, write protocols and reports, maintain project log of services performed on the job, verify all equipment needed for a job was loaded on the trailer. Test Managers must hold at least one QSTI certificate.

**Project Manager** - Directs and coordinates all aspects of a successful test by performing the following duties personally or through subordinate supervisors including: operating analyzers and consoles during testing along with QA/QC procedures, supervise set up and tear down of equipment on site, writing, reviewing, and revising final test reports, working with the client or state personnel while on the job site, managing pre-test checklists and onsite testing procedures, diagnose and repair any problems that may arise with the equipment, safely operate a man lift and drive a truck with or without a trailer, act as crew leader in the field, write protocols and reports, maintain project log of services performed on the job, verify all equipment needed for a job was loaded on the trailer. Project Managers typically hold QSTI certificates in Groups 1 through 4.

### QA Reviews

Air Hygiene’s review procedure includes review of each source test report, along with laboratory and fieldwork, by the QA Team. The most important review is the one that takes place before a test program begins. The QA Team works closely with technical division personnel to prepare and review test protocols. Test protocol review includes selection of appropriate test procedures, evaluation of interferences or other restrictions that might preclude use of standard test procedures, and evaluation and/or development of alternate procedures.

### Equipment Calibration and Maintenance

The equipment used to conduct the emission measurements is maintained according to the manufacturer’s instructions to ensure proper operation. In addition to the maintenance program, calibrations are carried out on each measurement device according to the schedule outlined by the Environmental Protection Agency. Quality control checks are also conducted in the field for each test program. In conformance with ASTM D7036 Section 15.3.15, all metering and monitoring equipment meets or exceeds the uncertainty criteria contained in the method language that pertains to that equipment.

### **Chain-of-Custody**

Air Hygiene maintains full chain-of-custody documentation on all samples and data sheets. In addition to normal documentation of changes between field sample custodians, laboratory personnel, and field test personnel, Air Hygiene documents every individual who handles any test component in the field (e.g., probe wash, impinger loading and recovery, filter loading and recovery, etc.). Samples are stored in a locked area to which only Air Hygiene personnel have access. Field data sheets are secured at Air Hygiene's offices upon return from the field.

### **Training**

Personnel's training is essential to ensure quality testing. Air Hygiene has formal and informal training programs, which include:

1. Attendance at EPA-sponsored training courses
2. Enrollment in EPA correspondence courses
3. A requirement for all technicians to read and understand Air Hygiene's QA manual.
4. In-house training and QA meetings on a regular basis
5. Maintenance of training records

### **Knowledge of Current Test Methods**

With the constant updating of standard test methods and the wide variety of emerging test procedures, it is essential that any qualified source tester keep abreast of new developments. Air Hygiene subscribes to services, which provide updates on EPA reference methods, rules, and regulations. Additionally, source test personnel regularly attend and present papers at testing and emission-related seminars and conferences. Air Hygiene personnel maintain membership in the Air and Waste Management Association and the American Industrial Hygiene Association.

### **Reproduction and Distribution Policy**

Reproducing portions of this test report may omit critical or substantial documentation or be taken out of context and due care must be exercised in this regard. Furthermore, this test report and its associated data shall not be reproduced in full or in part without the written consent of the customer.

### **Data Provided by Client**

Data provided by the Client is clearly identified in the report. Air Hygiene accepts data provided by the Client as accurate.

## COMBUSTION TESTING QUALITY ASSURANCE ACTIVITIES

In conformance with ASTM D7036 Section 15.3.11 and 13, all testing was performed without any real or apparent errors, except for those that would be listed in Section 2.0 of this report. In addition, all testing was conducted according to the approved testing protocol, test methods, Air Hygiene Quality Manual, or ASTM D7036, except for specifics noted in Section 2.0 of this report. Several quality assurance activities were undertaken before, during, and after this testing project. This section of the report combined with the documentation in Appendix C describes each of those activities.

Each instrument's response was checked and adjusted in the field prior to the collection of data via multi-point calibration. The instrument's linearity was checked by adjusting its zero and span responses to zero nitrogen and an upscale calibration gas in the range of the expected concentrations. The instrument response was then challenged with other calibration gases of known concentration and accepted as being linear if the response of the other calibration gases agreed within plus or minus two percent of the range of predicted values.

After each test run, the analyzers were checked for zero and span drift. This allowed each test run to be bracketed by calibrations and documents the precision of the data just collected. The criterion for acceptable data is that the instrument drift is no more than three percent of the full-scale response. The quality assurance worksheets in the following pages summarize all multipoint calibration checks and zero to span checks performed during the tests. These worksheets (as prepared from the data records of Appendix A) show that no drifts of more than three percent occurred in the zero to span checks following each test run.

The sampling systems were leak checked by demonstrating that a vacuum greater than 10 in Hg could be held for at least one minute with a decline of less than one inch of Hg. A leak test was conducted after the sample system was set up and before the system was dismantled. This test was conducted to ensure that ambient air had not diluted the sample. Any leakage detected prior to the tests would be repaired and another leak check conducted before testing commenced. No leaks were found during the pre or post-test leak checks.

The absence of leaks in the sampling system was also verified by a sampling system bias check. The sampling system's integrity was tested by comparing the responses of the analyzers to the calibration gases introduced via two paths. The first path was directly into the analyzer and the second path via the sample system at the sample probe. Any difference in the instrument responses by these two methods was attributed to sampling system bias or leakage. The criterion for acceptance is agreement within five percent of the span of the analyzer. The control gases used to calibrate the instruments were analyzed and certified by the compressed gas vendors to plus or minus one percent accuracy for all gases. EPA Protocol No. 1 was used, where applicable, to assign the concentration values traceable to the National Institute of Standards and Technology (NIST), Standard Reference Materials (SRM's). The gas calibration sheets as prepared by the vendor are contained in Appendix C.

Air Hygiene collected and reported the enclosed test data in accordance with the procedures and quality assurance activities described in this test report. Air Hygiene makes no warranty as to the suitability of the test methods. Air Hygiene also assumes no liability relating to the interpretation and use of the test data.

### INSTRUMENTAL ANALYSIS QUALITY ASSURANCE DATA

Date: March 2, 2026  
Company: VoltaGrid, LLC  
Location: San Antonio, Texas  
Techs: MP/JC

#### Sample System Leak Check

| Date          | Sample System | Leak Rate (l/min) |
|---------------|---------------|-------------------|
| March 2, 2026 | 1             | 0                 |

# *Accredited Air Emission Testing Body*

A2LA has accredited

## AIR HYGIENE INTERNATIONAL, INC.

In recognition of the successful completion of the joint A2LA and Stack Testing Accreditation Council (STAC) evaluation process, this laboratory is accredited to perform testing activities in compliance with ASTM D7036:2004 - Standard Practice for Competence of Air Emission Testing Bodies.

Presented this 27<sup>th</sup> day of January 2026.

A blue ink signature of the Vice President of the Accreditation Council.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3796.02  
Valid to August 31, 2027

*This accreditation program is not included under the A2LA ILAC Mutual Recognition Arrangement.*



# Accredited Laboratory

## AIR HYGIENE INTERNATIONAL, INC.

A2LA has accredited

*Broken Arrow, OK*

for technical competence in the field of

### Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of This laboratory also meets the requirements of A2LA R219 – *Specific Requirements – TNI Field Sampling and Measurement Organization Accreditation*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system  
(refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 27<sup>th</sup> day of January 2026.

A blue ink signature, likely belonging to Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3796.01  
Valid to August 31, 2027

*For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.*



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AIR HYGIENE INTERNATIONAL, INC.  
1600 W Tacoma St  
Broken Arrow, OK 74012  
Mr. Jake Fahlenkamp Phone: 918-307-8865  
[REDACTED]

ENVIRONMENTAL

Valid To: August 31, 2027

Certificate Number: 3796.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with The NELAC Institute's National Environmental Field Activities Program (NEFAP) Field Sampling and Measurement Organization Volume 1 Standard (TNI FSMO V1 2014 Rev 2.0) and A2LA R219 – *Specific Requirements – TNI Field Sampling and Measurement Organization Accreditation Program*), accreditation is granted to this organization to perform recognized methods using the following sampling and measurement technologies:

Matrix: Air

Sampling Technologies:

Filter – EPA Methods 5, 5A, 5B, 5D, 5E, 5F, 5H, 5I, 13A, 13B, 15A, 16A, 17, 23, 26, 26A, 29 and 201A;  
CARB Method 5

Gas Analyzer – EPA Methods 3A, 6C, 7E, 10, 16C, 20, 25A, 318, 320, and 321; ASTM 6348, 6522;  
CTM-022 and 030; CARB Method 100; SCAQMD Method 100.1

Absorption in Impinger Solution – EPA Methods 8A (CTM-013), 11, 12, 13A, 13B, 15A, 16A, 17, 23,  
26, 26A, 29, 202, 306, 308 and 316; CTM-013B; CTM-027; BAAQMD ST-1B; ASTM D6784

Tedlar Bag or Stainless Canisters – EPA Methods 18, TO-1, TO-2, TO-3, TO-5, TO-11, TO-12, TO-13,  
TO-14 and TO-15

Sorbent Trap – 30B

| <u>Technology</u>                                                           | <u>Test Method(s)<sup>1</sup></u>                       |
|-----------------------------------------------------------------------------|---------------------------------------------------------|
| Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography | GPA 2261<br>ASTM1945                                    |
| Representative Measurement of Pollutants                                    | EPA Methods 1, 1A;<br>CARB Method 1;<br>SCAQMD Method 1 |

| <b><u>Technology</u></b>                  | <b><u>Test Method(s)<sup>1</sup></u></b>                                                                  |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Flow Rate Measurements                    | EPA Methods 2, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H;<br>CARB Method 2;<br>SCAQMD 2;<br>CTM-041                  |
| Paramagnetic Cell                         | EPA Methods 3A, 20;<br>CARB Method 100;<br>SCAQMD Method 100.1                                            |
| Non-Dispersive Infrared                   | EPA Methods 3A, 10;<br>CARB Method 100;<br>SCAQMD Method 100.1                                            |
| Gravimetric                               | EPA Methods 4, 5, 5A, 5B, 5D, 5E, 5F, 5H, 5I, 17, 201A, 202;<br>CARB Method 4, CARB 5;<br>SCAQMD Method 4 |
| Ultraviolet                               | EPA Methods 6C, 16C, 20;<br>CARB Method 100;<br>SCAQMD Method 100.1                                       |
| Chemiluminescence                         | EPA Methods 7E, 20;<br>EPA Alt-013;<br>CARB Method 100;<br>SCAQMD Method 100.1                            |
| Ion Chromatography (Modified for Sulfate) | EPA Methods 8A, 15A, 16A<br>CTM-013<br>NCASI 8A                                                           |
| Visual Observation                        | EPA Methods 9, 22                                                                                         |
| Iodometric                                | EPA Method 11                                                                                             |
| Ion Specific Electrode                    | EPA Methods 13B, 350.3;<br>BAAQMD LAB-1A                                                                  |
| Flame Ionization                          | EPA Method 25A                                                                                            |
| Ion Chromatography                        | EPA Methods 26, 26A;<br>CTM-013B, CTM 027                                                                 |
| Thermal                                   | EPA Method 30B                                                                                            |
| Fourier Transform Infrared Spectroscopy   | EPA Methods 318, 320, 321;<br>ASTM D6348-12                                                               |



| <b><u>Technology</u></b>                    | <b><u>Test Method(s)<sup>1</sup></u></b>                                                                                                                      |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dilution System                             | EPA Method 205                                                                                                                                                |
| UV-VIS                                      | NCASI 98.01                                                                                                                                                   |
| Electrochemical                             | CTM-022, CTM-030;<br>ASTM 6522-00;<br>ODEQ's Guidance for Portable Electrochemical Analyzer Testing                                                           |
| Calculations and Performance Specifications | Performance Specifications 1, 2, 3, 4, 4A, 4B, 5, 6, 7, 8, 8A, 11, 12A, 12B, 15, 16, 18;<br>EPA Method 19<br>EPA Method 3<br>CARB Method 3<br>SCAQMD Method 3 |

<sup>1</sup>Accreditation covers the organization listed above as well as the following AETB and FSMO entities:  
(Mobile Trailer Unit #s 207, 211, 215, 216, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 701, 703, 704, 705, 706, 707, 802, 803, 304/191, 305/1102)



Brooke T. Paup, *Chairwoman*  
Catarina R. Gonzales, *Commissioner*  
Tonya R. Miller, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

February 11, 2026

Dr. Sean Barnes  
Air Hygiene International, Inc.  
1600 West Tacoma  
Broken Arrow, OK 74102-1483

Subject: Texas NELAP accreditation renewal

Dear Dr. Barnes:

I am pleased to advise you the Texas Commission on Environmental Quality is renewing your laboratory's NELAP accreditation. The accreditation is valid until the expiration date on the certificate and scope, contingent on continued compliance with the standards for accreditation and requirements of the state of Texas.

I am enclosing an accreditation certificate and listing of your laboratory's fields of accreditation. Please review the enclosures for accuracy and completeness.

Please contact me at [frank.jamison@tceq.texas.gov](mailto:frank.jamison@tceq.texas.gov) if I can provide any additional information or assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Frank Jamison", with a long horizontal flourish extending to the right.

Frank Jamison  
Data and Records Specialist

Enclosures



Texas Commission on  
Environmental Quality

## Certificate of Accreditation



*Accreditation is hereby granted to*

**Air Hygiene International, Inc.**  
1600 West Tacoma,  
Broken Arrow, OK 74102-1483

State Lab ID: T104704523  
Effective Date: 03/01/2026  
Expiration Date: 02/28/2027  
Certificate ID: TX-C26-00044

### Conditions of Accreditation

This laboratory has been found to conform with TCEQ rules and applicable standards for laboratory accreditation. The scope of accreditation is limited to the Fields of Accreditation (FoA) specifically listed on the subsequent page(s) of this certificate. Accreditation is for NELAP Standards EL-V1-2016 and EL-V2-2016 and all versions of a method approved per 40 CFR 136, 40 CFR 141 and/or 40 CFR 143. Continued accreditation requires ongoing compliance with all applicable standards and requirements.

Note: For the attached FoA table, matrices may include DW (drinking water), NPW (non-potable water), S (solid and chemical materials), A (air), and/or BT (biological tissue).

A handwritten signature in black ink, appearing to read "K Keel".

Issued By: Kelly Keel, Executive Director Texas Commission on Environmental Quality  
Date Issued: 03/01/2026

## Laboratory Fields of Accreditation

| Matrix | Method         | Analyte                                          | Analyte Code | AB     |
|--------|----------------|--------------------------------------------------|--------------|--------|
| A      | EPA CTM-027    | Ammonia as N                                     | 1515         | LA-DEQ |
| A      | EPA Method 17  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 202 | Condensible Particulate Matter                   | 4467         | LA-DEQ |
| A      | EPA Method 26  | Hydrobromic Acid (Hydrogen Bromide)              | 1768         | LA-DEQ |
| A      | EPA Method 26  | Hydrochloric acid (Hydrogen chloride (gas only)) | 1770         | LA-DEQ |
| A      | EPA Method 26  | Hydrogen fluoride (Hydrofluoric acid)            | 1775         | LA-DEQ |
| A      | EPA Method 26A | Hydrobromic Acid (Hydrogen Bromide)              | 1768         | LA-DEQ |
| A      | EPA Method 26A | Hydrochloric acid (Hydrogen chloride (gas only)) | 1770         | LA-DEQ |
| A      | EPA Method 26A | Hydrogen fluoride (Hydrofluoric acid)            | 1775         | LA-DEQ |
| A      | EPA Method 5   | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5A  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5B  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5D  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5E  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5F  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5H  | Particulate Matter                               | 3915         | LA-DEQ |
| A      | EPA Method 5I  | Particulate Matter                               | 3915         | LA-DEQ |
| NPW    | EPA 350.3      | Ammonia as N                                     | 1515         | LA-DEQ |

Mobile Laboratories:

OK6782JZ



69 Industrial Park Rd E, Tolland CT 06084  
<https://www.environics.com/service-request>  
(860) 872-1111 info@environics.com

## ENVIRONICS FLOW CONTROLLER CALIBRATION REPORT

| Unit Summary |      | Std Conditions |              | MFC Summary  |            |
|--------------|------|----------------|--------------|--------------|------------|
| Model #:     | 4040 | Temp:          | 32°F         | MFC #:       | 1          |
| Unit SN :    | 4446 | Pressure:      | 29.92 in. Hg | MFC FS Flow: | 10000      |
|              |      | Gas:           | NITROGEN     | MFC S/N:     | 4569900001 |

Flow Calibration Data is not performance data. This data is used by the system operating mode to improve the flow accuracy. The Flow Verification Data is performance data.

### Flow Calibration Data

|      | Set Flow | True Flow |
|------|----------|-----------|
| 5%   | 500      | 528.414   |
| 10%  | 1000     | 1070.654  |
| 20%  | 2000     | 2135.931  |
| 30%  | 3000     | 3178.322  |
| 40%  | 4000     | 4206.251  |
| 50%  | 5000     | 5223.861  |
| 60%  | 6000     | 6232.509  |
| 70%  | 7000     | 7238.629  |
| 80%  | 8000     | 8222.406  |
| 90%  | 9000     | 9221.494  |
| 100% | 10000    | 10253.423 |

All values in SCCM

### Flow Verification Data

|     | Set Flow | True Flow | % dev |
|-----|----------|-----------|-------|
| 99% | 9900     | 9911.847  | 0.12% |
| 85% | 8500     | 8510.361  | 0.12% |
| 55% | 5500     | 5515.268  | 0.28% |
| 25% | 2500     | 2509.226  | 0.37% |
| 10% | 1000     | 1003.850  | 0.39% |

All values in SCCM

This calibration complies with ISO 17025-2005 [non-accredited] and is traceable to the National Institute of Standards and Technology (NIST). Calibration and verification are accomplished exclusively by qualified personnel following controlled procedures under ISO 9001:2015. For questions or concerns, contact Customer Service via our website, email or by phone, weekdays from 8AM - 4PM.

Verified by: Paul Stanse

Date: 3/25/25



69 Industrial Park Rd E, Tolland CT 06084  
<https://www.environics.com/service-request>  
(860) 872-1111 info@environics.com

## ENVIRONICS FLOW CONTROLLER CALIBRATION REPORT

| Unit Summary |      | Std Conditions |              | MFC Summary  |            |
|--------------|------|----------------|--------------|--------------|------------|
| Model #:     | 4040 | Temp:          | 32°F         | MFC #:       | 2          |
| Unit SN :    | 4446 | Pressure:      | 29.92 in. Hg | MFC FS Flow: | 10000      |
|              |      | Gas:           | NITROGEN     | MFC S/N:     | 4569900002 |

Flow Calibration Data is not performance data. This data is used by the system operating mode to improve the flow accuracy. The Flow Verification Data is performance data.

### Flow Calibration Data

|      | Set Flow | True Flow |
|------|----------|-----------|
| 5%   | 500      | 487.207   |
| 10%  | 1000     | 997.553   |
| 20%  | 2000     | 2039.288  |
| 30%  | 3000     | 3059.030  |
| 40%  | 4000     | 4073.441  |
| 50%  | 5000     | 5086.803  |
| 60%  | 6000     | 6093.926  |
| 70%  | 7000     | 7116.561  |
| 80%  | 8000     | 8114.060  |
| 90%  | 9000     | 9142.101  |
| 100% | 10000    | 10182.565 |

All values in SCCM

### Flow Verification Data

|     | Set Flow | True Flow | % dev  |
|-----|----------|-----------|--------|
| 99% | 9900     | 9943.505  | 0.44%  |
| 85% | 8500     | 8519.338  | 0.23%  |
| 55% | 5500     | 5520.815  | 0.38%  |
| 25% | 2500     | 2498.826  | -0.05% |
| 10% | 1000     | 999.152   | -0.08% |

All values in SCCM

This calibration complies with ISO 17025-2005 [non-accredited] and is traceable to the National Institute of Standards and Technology (NIST). Calibration and verification are accomplished exclusively by qualified personnel following controlled procedures under ISO 9001:2015. For questions or concerns, contact Customer Service via our website, email or by phone, weekdays from 8AM - 4PM.

Verified by:

Paul Stansel

Date:

3/25/25



69 Industrial Park Rd E, Tolland CT 06084  
<https://www.environics.com/service-request>  
(860) 872-1111 info@environics.com

## ENVIRONICS FLOW CONTROLLER CALIBRATION REPORT

| Unit Summary |      | Std Conditions |              | MFC Summary  |            |
|--------------|------|----------------|--------------|--------------|------------|
| Model #:     | 4040 | Temp:          | 32°F         | MFC #:       | 3          |
| Unit SN :    | 4446 | Pressure:      | 29.92 in. Hg | MFC FS Flow: | 1000       |
|              |      | Gas:           | NITROGEN     | MFC S/N:     | 4523300001 |

Flow Calibration Data is not performance data. This data is used by the system operating mode to improve the flow accuracy. The Flow Verification Data is performance data.

### Flow Calibration Data

|      | Set Flow | True Flow |
|------|----------|-----------|
| 5%   | 50       | 49.387    |
| 10%  | 100      | 99.885    |
| 20%  | 200      | 201.110   |
| 30%  | 300      | 302.047   |
| 40%  | 400      | 402.681   |
| 50%  | 500      | 502.546   |
| 60%  | 600      | 602.223   |
| 70%  | 700      | 704.181   |
| 80%  | 800      | 805.538   |
| 90%  | 900      | 910.829   |
| 100% | 1000     | 1017.127  |

All values in SCCM

### Flow Verification Data

|     | Set Flow | True Flow | % dev |
|-----|----------|-----------|-------|
| 99% | 990      | 991.476   | 0.15% |
| 85% | 850      | 850.512   | 0.06% |
| 55% | 550      | 551.147   | 0.21% |
| 25% | 250      | 250.575   | 0.23% |
| 10% | 100      | 100.343   | 0.34% |

All values in SCCM

This calibration complies with ISO 17025-2005 (non-accredited) and is traceable to the National Institute of Standards and Technology (NIST). Calibration and verification are accomplished exclusively by qualified personnel following controlled procedures under ISO 9001:2015. For questions or concerns, contact Customer Service via our website, email or by phone, weekdays from 8AM - 4PM.

Verified by: Paul Stansel

Date: 3/25/25



69 Industrial Park Rd E, Tolland CT 06084  
https://www.environics.com/service-request  
(860) 872-1111 info@environics.com

## ENVIRONICS FLOW CONTROLLER CALIBRATION REPORT

| Unit Summary |      | Std Conditions |              | MFC Summary  |            |
|--------------|------|----------------|--------------|--------------|------------|
| Model #:     | 4040 | Temp:          | 32°F         | MFC #:       | 4          |
| Unit SN :    | 4446 | Pressure:      | 29.92 in. Hg | MFC FS Flow: | 100        |
|              |      | Gas:           | NITROGEN     | MFC S/N:     | 4523500001 |

Flow Calibration Data is not performance data. This data is used by the system operating mode to improve the flow accuracy. The Flow Verification Data is performance data.

### Flow Calibration Data

|      | Set Flow | True Flow |
|------|----------|-----------|
| 5%   | 5        | 5.056     |
| 10%  | 10       | 10.295    |
| 20%  | 20       | 20.748    |
| 30%  | 30       | 31.088    |
| 40%  | 40       | 41.449    |
| 50%  | 50       | 51.603    |
| 60%  | 60       | 61.770    |
| 70%  | 70       | 71.858    |
| 80%  | 80       | 81.944    |
| 90%  | 90       | 91.848    |
| 100% | 100      | 101.922   |

All values in SCCM

### Flow Verification Data

|     | Set Flow | True Flow | % dev |
|-----|----------|-----------|-------|
| 99% | 99       | 99.304    | 0.31% |
| 85% | 85       | 85.065    | 0.08% |
| 55% | 55       | 55.166    | 0.30% |
| 25% | 25       | 25.054    | 0.22% |
| 10% | 10       | 10.032    | 0.32% |

All values in SCCM

This calibration complies with ISO 17025-2005 [non-accredited] and is traceable to the National Institute of Standards and Technology (NIST). Calibration and verification are accomplished exclusively by qualified personnel following controlled procedures under ISO 9001:2015. For questions or concerns, contact Customer Service via our website, email or by phone, weekdays from 8AM - 4PM.

Verified by: Paul Stansel

Date: 3/25/25



69 Industrial Park Rd E, Tolland CT 06084  
<https://www.environics.com/service-request>  
(860) 872-1111 info@environics.com

---

## SERVICE REPORT

---

ATTN: MIKE PLUMMER, AIR HYGIENE INTERNATIONAL INC.

DATE OF SERVICE: 3/25/2025

MODEL NUMBER: S-4040

SERIAL NUMBER: 4446

SERVICE TYPE: RECALIBRATION

NEXT CALIBRATION DUE: 3/26/2026

### CONDITIONS AS OBSERVED AND WORK PERFORMED:

- Unit powers up properly.
- Unit cleaned and Purged, data verified.
- All valves checked, ok.
- Checked for any software updates
- Voltages checked – 5v, -15v, +15v, 24v.
- Battery voltages checked.
- Unit leak tested.
- Tested all MFC's with each port.
- Zeros on each MFC checked.
- Spans checked on all MFCs.
- Incoming verification run on all MFCs.
- All MFCs recalibrated.
- Verified all MFCs @ 5 standard points, passed within 0.5%
- All cables and screw/nuts tightened, ok.

  
Service Technician

## **QUALITY ASSURANCE AND QUALITY CONTROL DATA**

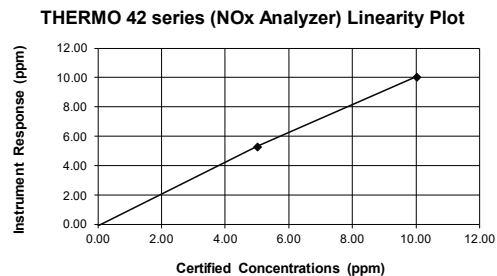
### **Reference Method Analyzer Daily Calibration Data**

Calibration Date: March 2, 2026  
Client: VoltaGrid, LLC

Location: SAT-1 EGU - Outlet - Unit G02

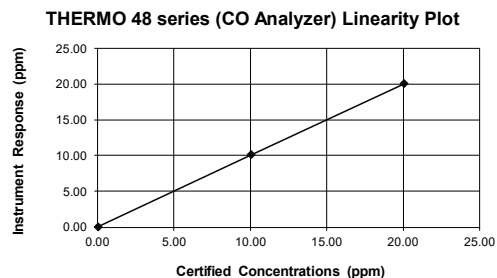
NOx Span (ppm) = 10.00

| THERMO 42 series (NOx Analyzer) |                           |                 |                 |                       |                      |                     |
|---------------------------------|---------------------------|-----------------|-----------------|-----------------------|----------------------|---------------------|
| Certified Concentration (ppm)   | Instrument Response (ppm) | Cylinder Number | Expiration Date | Calibration Error (%) | Absolute Conc. (ppm) | Pass (±2%, ≤0.5ppm) |
| 0.00                            | -0.09                     | CC763118        | 07/19/2033      | -0.90                 | 0.09                 | YES (%)             |
| 5.00                            | 5.29                      | EB0060652       | 09/18/2027      | 2.90                  | 0.29                 | YES (abs)           |
| 10.00                           | 10.06                     | EB0060652       | 09/18/2027      | 0.60                  | 0.06                 | YES (%)             |
| Linearity = 0.984               |                           |                 |                 |                       |                      |                     |



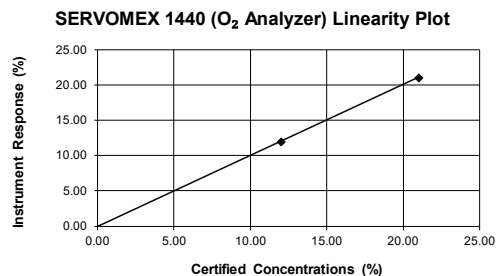
CO Span (ppm) = 20.00

| THERMO 48 series (CO Analyzer) |                           |                 |                 |                       |                      |                     |
|--------------------------------|---------------------------|-----------------|-----------------|-----------------------|----------------------|---------------------|
| Certified Concentration (ppm)  | Instrument Response (ppm) | Cylinder Number | Expiration Date | Calibration Error (%) | Absolute Conc. (ppm) | Pass (±2%, ≤0.5ppm) |
| 0.00                           | 0.03                      | CC763118        | 07/19/2033      | 0.15                  | 0.03                 | YES (%)             |
| 10.00                          | 10.08                     | EB0060652       | 09/18/2027      | 0.40                  | 0.08                 | YES (%)             |
| 20.00                          | 20.05                     | EB0060652       | 09/18/2027      | 0.25                  | 0.05                 | YES (%)             |
| Linearity = 0.999              |                           |                 |                 |                       |                      |                     |



O<sub>2</sub> Span (%) = 20.98

| SERVOMEX 1440 (O <sub>2</sub> Analyzer) |                         |                 |                 |                       |                    |                   |
|-----------------------------------------|-------------------------|-----------------|-----------------|-----------------------|--------------------|-------------------|
| Certified Concentration (%)             | Instrument Response (%) | Cylinder Number | Expiration Date | Calibration Error (%) | Absolute Conc. (%) | Pass (±2%, ≤0.5%) |
| 0.00                                    | -0.02                   | CC763118        | 07/19/2033      | -0.10                 | 0.02               | YES (%)           |
| 11.96                                   | 12.02                   | CC719156        | 06/09/2033      | 0.29                  | 0.06               | YES (%)           |
| 20.98                                   | 21.05                   | EB0080848       | 01/20/2033      | 0.33                  | 0.07               | YES (%)           |
| Linearity = 0.996                       |                         |                 |                 |                       |                    |                   |

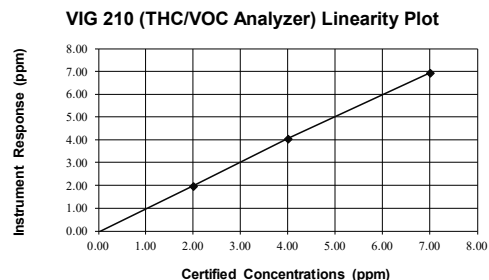


VOC (as C<sub>3</sub>H<sub>8</sub>) Range (ppm) =

8

| VIG 210 (THC/VOC Analyzer)    |                           |                 |                 |                       |                       |                           |
|-------------------------------|---------------------------|-----------------|-----------------|-----------------------|-----------------------|---------------------------|
| Certified Concentration (ppm) | Instrument Response (ppm) | Cylinder Number | Expiration Date | Calibration Error (%) | Estimated Point (ppm) | Pass (±2.5%) <sup>1</sup> |
| 0.00                          | -0.04                     | CC763118        | 07/19/2033      | -0.50                 | N/A                   | YES                       |
| 2.00                          | 1.96                      | EB0032353       | 09/10/2030      | 0.14                  | 1.96                  | YES                       |
| 4.00                          | 4.06                      | EB0032353       | 09/10/2030      | 2.64                  | 3.95                  | YES                       |
| 7.00                          | 6.95                      | EB0032353       | 09/10/2030      | -0.62                 | N/A                   | YES                       |
| Linearity = 1.004             |                           |                 |                 |                       |                       |                           |

<sup>1</sup>zero/high based on 2% of span, low/mid based on 5% of concentration



Calibration Date: March 4, 2026  
Client: VoltaGrid, LLC

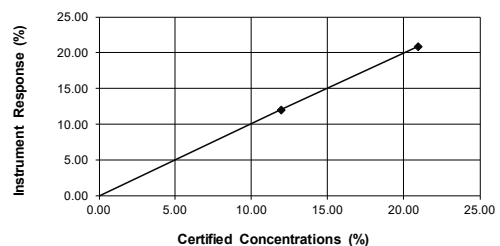
Location: SAT-1 EGU - Inlet - Unit G02

O<sub>2</sub> Span (%) = 20.98

**SERVOMEX 1440 (O<sub>2</sub> Analyzer)**

| Certified Concentration (%) | Instrument Response (%) | Cylinder Number | Expiration Date | Calibration Error (%) | Absolute Conc. (%) | Pass (±2%, ≤0.5%) |
|-----------------------------|-------------------------|-----------------|-----------------|-----------------------|--------------------|-------------------|
| 0.00                        | -0.02                   | CC763118        | 07/19/2033      | -0.10                 | 0.02               | YES (%)           |
| 11.96                       | 12.04                   | CC719156        | 06/09/2033      | 0.38                  | 0.08               | YES (%)           |
| 20.98                       | 20.94                   | EB0080848       | 01/20/2033      | -0.19                 | 0.04               | YES (%)           |
| Linearity = 1.000           |                         |                 |                 |                       |                    |                   |

**SERVOMEX 1440 (O<sub>2</sub> Analyzer) Linearity Plot**

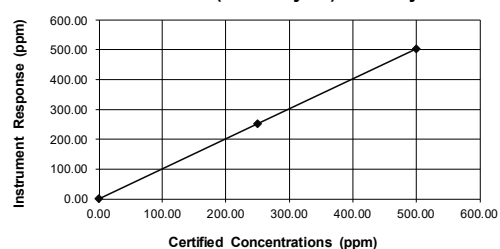


CO Inlet Span (ppm) = 500.00

**THERMO 48 series (CO Analyzer)**

| Certified Concentration (ppm) | Instrument Response (ppm) | Cylinder Number | Expiration Date | Calibration Error (%) | Absolute Conc. (ppm) | Pass (±2%, ≤0.5ppm) |
|-------------------------------|---------------------------|-----------------|-----------------|-----------------------|----------------------|---------------------|
| 0.00                          | 0.35                      | CC763118        | 07/19/2033      | 0.07                  | 0.35                 | YES (%)             |
| 250.00                        | 252.50                    | EB0073636       | 01/02/2031      | 0.50                  | 2.50                 | YES (%)             |
| 500.00                        | 503.80                    | EB0073636       | 01/02/2031      | 0.76                  | 3.80                 | YES (%)             |
| Linearity = 0.993             |                           |                 |                 |                       |                      |                     |

**THERMO 48 series (CO Analyzer) Linearity Plot**



### NOx Converter Efficiency

Date: March 2, 2026

Analyzer: INST-NX-0027

RM 7E, (02-27-14), Sections 7.1.4; 8.2.4.1; 12.7; and 13.5 Introduce NO<sub>2</sub> to the analyzer and record the NOx concentration displayed. ... Calculate the converter efficiency using Equation 7E-7. The specification for converter efficiency must be met. ... Air Hygiene also references ALT-0013 for specific NO<sub>2</sub> concentration (40-60 ppm) and EPA Traceability Protocol requirements (±2%).

Cylinder Number CC716456

Expiration Date 03/26/2028

Audit Gas: NO<sub>2</sub> Concentration (C<sub>v</sub>), ppmvd 49.10

#### Converter Efficiency Calculations:

Analyzer Reading, NO Channel, ppmvd

Analyzer Reading, NOx Channel, ppmvd 54.23

Analyzer Reading, NO<sub>2</sub> Channel (C<sub>Dir(NO<sub>2</sub>)</sub>), ppmvd

Converter Efficiency, %

RM 7E, (02-27-14), 13.5 NO<sub>2</sub> to NO Conversion Efficiency Test (as applicable). The NO<sub>2</sub> to NO conversion efficiency, calculated according to Equation 7E-7, must be greater than or equal to 90 percent.

$$Eff_{NO_2} = \left( \frac{C_{Dir}}{C_v} \right) \times 100 \quad \text{Eq. 7E-7} = \frac{\text{ppmvd}}{\text{ppmvd}} \times 100 =$$

| Date     | Time     | Elapsed Time | NOx   | NO    |
|----------|----------|--------------|-------|-------|
| mm/dd/yy | hh:mm:ss | Seconds      | ppmvd | ppmvd |
| 03/02/26 | 5:56:04  | 1000         | 53.15 | 8.92  |
| 03/02/26 | 5:56:14  | 1010         | 54.10 | 9.03  |
| 03/02/26 | 5:56:24  | 1020         | 54.06 | 8.75  |
| 03/02/26 | 5:56:34  | 1030         | 54.02 | 8.97  |
| 03/02/26 | 5:56:44  | 1040         | 54.03 | 8.73  |
| 03/02/26 | 5:56:54  | 1050         | 54.11 | 8.80  |
| 03/02/26 | 5:57:04  | 1060         | 54.11 | 8.74  |
| 03/02/26 | 5:57:14  | 1070         | 54.08 | 8.75  |
| 03/02/26 | 5:57:24  | 1080         | 54.22 | 8.75  |
| 03/02/26 | 5:57:34  | 1090         | 54.16 | 8.53  |
| 03/02/26 | 5:57:44  | 1100         | 54.23 | 8.63  |
| 03/02/26 | 5:57:54  | 1110         | 54.02 | 8.56  |
| 03/02/26 | 5:58:04  | 1120         | 54.17 | 8.61  |
| 03/02/26 | 5:58:14  | 1130         | 54.07 | 8.52  |
| 03/02/26 | 5:58:24  | 1140         | 53.95 | 8.61  |
| 03/02/26 | 5:58:34  | 1150         | 54.15 | 8.46  |
| 03/02/26 | 5:58:44  | 1160         | 54.24 | 8.33  |
| 03/02/26 | 5:58:54  | 1170         | 54.31 | 8.37  |
| 03/02/26 | 5:59:04  | 1180         | 54.36 | 8.13  |
| 03/02/26 | 5:59:14  | 1190         | 54.13 | 8.46  |

| DRIFT AND BIAS CHECK                     |                 |        |        |
|------------------------------------------|-----------------|--------|--------|
| >90 Load, Run - 1                        | O <sub>2</sub>  | NOx    | CO     |
| Raw Average                              | 10.72           | 1.98   | 10.97  |
| Corrected Average                        | 10.74           | 2.06   | 10.98  |
| Initial Zero                             | 0.04            | -0.07  | -0.05  |
| Final Zero                               | 0.05            | -0.12  | -0.02  |
| Avg. Zero                                | 0.05            | -0.10  | -0.04  |
| Initial UpScale                          | 11.92           | 4.87   | 9.96   |
| Final UpScale                            | 11.93           | 5.00   | 10.02  |
| Avg. UpScale                             | 11.93           | 4.94   | 9.99   |
| Sys Resp (Zero)                          | -0.02           | -0.09  | 0.03   |
| Sys Resp (Upscale)                       | 12.02           | 5.29   | 10.08  |
| Upscale Cal Gas                          | 11.96           | 5.00   | 10.00  |
| Initial Zero Bias                        | 0.29%           | 0.20%  | -0.40% |
| Final Zero Bias                          | 0.33%           | -0.30% | -0.25% |
| Zero Drift                               | 0.05%           | 0.50%  | 0.15%  |
| Initial Upscale Bias                     | -0.48%          | -4.20% | -0.60% |
| Final Upscale Bias                       | -0.43%          | -2.90% | -0.30% |
| Upscale Drift                            | 0.05%           | 1.30%  | 0.30%  |
| Alternative<br>Specification<br>Abs Diff | Initial Zero    | 0.06   | 0.02   |
|                                          | Final Zero      | 0.07   | 0.03   |
|                                          | Initial Upscale | 0.10   | 0.42   |
|                                          | Final Upscale   | 0.09   | 0.29   |
| Calibration Span                         | 20.98           | 10.00  | 20.00  |
| 3% of Cal. Span (drift)                  | 0.63            | 0.30   | 0.60   |
| 5% of Cal. Span (bias)                   | 1.05            | 0.50   | 1.00   |

| DRIFT AND BIAS CHECK                     |                 |        |        |
|------------------------------------------|-----------------|--------|--------|
| >90 Load, Run - 2                        | O <sub>2</sub>  | NOx    | CO     |
| Raw Average                              | 10.72           | 2.32   | 10.98  |
| Corrected Average                        | 10.75           | 2.38   | 10.98  |
| Initial Zero                             | 0.05            | -0.12  | -0.02  |
| Final Zero                               | 0.05            | 0.08   | -0.07  |
| Avg. Zero                                | 0.05            | -0.02  | -0.05  |
| Initial UpScale                          | 11.93           | 5.00   | 10.02  |
| Final UpScale                            | 11.92           | 4.81   | 9.96   |
| Avg. UpScale                             | 11.93           | 4.91   | 9.99   |
| Sys Resp (Zero)                          | -0.02           | -0.09  | 0.03   |
| Sys Resp (Upscale)                       | 12.02           | 5.29   | 10.08  |
| Upscale Cal Gas                          | 11.96           | 5.00   | 10.00  |
| Initial Zero Bias                        | 0.33%           | -0.30% | -0.25% |
| Final Zero Bias                          | 0.33%           | 1.70%  | -0.50% |
| Zero Drift                               | 0.00%           | 2.00%  | 0.25%  |
| Initial Upscale Bias                     | -0.43%          | -2.90% | -0.30% |
| Final Upscale Bias                       | -0.48%          | -4.80% | -0.60% |
| Upscale Drift                            | 0.05%           | 1.90%  | 0.30%  |
| Alternative<br>Specification<br>Abs Diff | Initial Zero    | 0.07   | 0.03   |
|                                          | Final Zero      | 0.07   | 0.17   |
|                                          | Initial Upscale | 0.09   | 0.29   |
|                                          | Final Upscale   | 0.10   | 0.48   |
| Calibration Span                         | 20.98           | 10.00  | 20.00  |
| 3% of Cal. Span (drift)                  | 0.63            | 0.30   | 0.60   |
| 5% of Cal. Span (bias)                   | 1.05            | 0.50   | 1.00   |

| DRIFT AND BIAS CHECK                     |                 |                 |        |
|------------------------------------------|-----------------|-----------------|--------|
| >90 Load, Run - 3                        | O <sub>2</sub>  | NO <sub>x</sub> | CO     |
| Raw Average                              | 10.73           | 1.63            | 11.16  |
| Corrected Average                        | 10.71           | 1.69            | 11.10  |
| Initial Zero                             | -0.03           | -0.07           | 0.08   |
| Final Zero                               | -0.02           | -0.05           | 0.12   |
| Avg. Zero                                | -0.03           | -0.06           | 0.10   |
| Initial UpScale                          | 11.99           | 4.94            | 10.12  |
| Final UpScale                            | 11.98           | 4.92            | 10.02  |
| Avg. UpScale                             | 11.99           | 4.93            | 10.07  |
| Sys Resp (Zero)                          | -0.02           | -0.04           | 0.09   |
| Sys Resp (Upscale)                       | 12.04           | 5.01            | 10.05  |
| Upscale Cal Gas                          | 11.96           | 5.00            | 10.00  |
| Initial Zero Bias                        | -0.05%          | -0.30%          | -0.05% |
| Final Zero Bias                          | 0.00%           | -0.10%          | 0.15%  |
| Zero Drift                               | 0.05%           | 0.20%           | 0.20%  |
| Initial Upscale Bias                     | -0.24%          | -0.70%          | 0.35%  |
| Final Upscale Bias                       | -0.29%          | -0.90%          | -0.15% |
| Upscale Drift                            | 0.05%           | 0.20%           | 0.50%  |
| Alternative<br>Specification<br>Abs Diff | Initial Zero    | 0.01            | 0.03   |
|                                          | Final Zero      | 0.00            | 0.01   |
|                                          | Initial Upscale | 0.05            | 0.07   |
|                                          | Final Upscale   | 0.06            | 0.09   |
| Calibration Span                         | 20.98           | 10.00           | 20.00  |
| 3% of Cal. Span (drift)                  | 0.63            | 0.30            | 0.60   |
| 5% of Cal. Span (bias)                   | 1.05            | 0.50            | 1.00   |

| DRIFT AND BIAS CHECK                     |                 |          |
|------------------------------------------|-----------------|----------|
| >90 Load, Run - 1-inlet                  | CO              | CO inlet |
| Raw Average                              | 11.17           | 319.17   |
| Corrected Average                        | 11.10           | 317.46   |
| Initial Zero                             | 0.05            | 0.72     |
| Final Zero                               | 0.08            | 0.23     |
| Avg. Zero                                | 0.07            | 0.48     |
| Initial UpScale                          | 10.05           | 251.60   |
| Final UpScale                            | 10.09           | 251.30   |
| Avg. UpScale                             | 10.07           | 251.45   |
| Sys Resp (Zero)                          | 0.09            | 0.35     |
| Sys Resp (Upscale)                       | 10.05           | 252.50   |
| Upscale Cal Gas                          | 10.00           | 250.00   |
| Initial Zero Bias                        | -0.20%          | 0.07%    |
| Final Zero Bias                          | -0.05%          | -0.02%   |
| Zero Drift                               | 0.15%           | 0.10%    |
| Initial Upscale Bias                     | 0.00%           | -0.18%   |
| Final Upscale Bias                       | 0.20%           | -0.24%   |
| Upscale Drift                            | 0.20%           | 0.06%    |
| Alternative<br>Specification<br>Abs Diff | Initial Zero    | 0.04     |
|                                          | Final Zero      | 0.01     |
|                                          | Initial Upscale | 0.00     |
|                                          | Final Upscale   | 0.04     |
| Calibration Span                         | 20.00           | 500.00   |
| 3% of Cal. Span (drift)                  | 0.60            | 15.00    |
| 5% of Cal. Span (bias)                   | 1.00            | 25.00    |

| DRIFT AND BIAS CHECK                     |                 |          |
|------------------------------------------|-----------------|----------|
| >90 Load, Run - 2-inlet                  | CO              | CO inlet |
| Raw Average                              | 11.26           | 318.16   |
| Corrected Average                        | 11.15           | 316.26   |
| Initial Zero                             | 0.08            | 0.23     |
| Final Zero                               | 0.08            | 0.75     |
| Avg. Zero                                | 0.08            | 0.49     |
| Initial UpScale                          | 10.09           | 251.30   |
| Final UpScale                            | 10.12           | 251.90   |
| Avg. UpScale                             | 10.11           | 251.60   |
| Sys Resp (Zero)                          | 0.09            | 0.35     |
| Sys Resp (Upscale)                       | 10.05           | 252.50   |
| Upscale Cal Gas                          | 10.00           | 250.00   |
| Initial Zero Bias                        | -0.05%          | -0.02%   |
| Final Zero Bias                          | -0.05%          | 0.08%    |
| Zero Drift                               | 0.00%           | 0.10%    |
| Initial Upscale Bias                     | 0.20%           | -0.24%   |
| Final Upscale Bias                       | 0.35%           | -0.12%   |
| Upscale Drift                            | 0.15%           | 0.12%    |
| Alternative<br>Specification<br>Abs Diff | Initial Zero    | 0.01     |
|                                          | Final Zero      | 0.01     |
|                                          | Initial Upscale | 0.04     |
|                                          | Final Upscale   | 0.07     |
| Calibration Span                         | 20.00           | 500.00   |
| 3% of Cal. Span (drift)                  | 0.60            | 15.00    |
| 5% of Cal. Span (bias)                   | 1.00            | 25.00    |

| DRIFT AND BIAS CHECK                     |                 |          |
|------------------------------------------|-----------------|----------|
| >90 Load, Run - 3-inlet                  | CO              | CO inlet |
| Raw Average                              | 11.16           | 315.25   |
| Corrected Average                        | 11.10           | 313.32   |
| Initial Zero                             | 0.08            | 0.75     |
| Final Zero                               | 0.12            | 0.28     |
| Avg. Zero                                | 0.10            | 0.52     |
| Initial UpScale                          | 10.12           | 251.90   |
| Final UpScale                            | 10.02           | 251.40   |
| Avg. UpScale                             | 10.07           | 251.65   |
| Sys Resp (Zero)                          | 0.09            | 0.35     |
| Sys Resp (Upscale)                       | 10.05           | 252.50   |
| Upscale Cal Gas                          | 10.00           | 250.00   |
| Initial Zero Bias                        | -0.05%          | 0.08%    |
| Final Zero Bias                          | 0.15%           | -0.01%   |
| Zero Drift                               | 0.20%           | 0.09%    |
| Initial Upscale Bias                     | 0.35%           | -0.12%   |
| Final Upscale Bias                       | -0.15%          | -0.22%   |
| Upscale Drift                            | 0.50%           | 0.10%    |
| Alternative<br>Specification<br>Abs Diff | Initial Zero    | 0.01     |
|                                          | Final Zero      | 0.03     |
|                                          | Initial Upscale | 0.07     |
|                                          | Final Upscale   | 0.03     |
| Calibration Span                         | 20.00           | 500.00   |
| 3% of Cal. Span (drift)                  | 0.60            | 15.00    |
| 5% of Cal. Span (bias)                   | 1.00            | 25.00    |

## Method 205 Gas Diluter Validation Daily Test Procedure

**Calibration Date: March 2, 2026**

**Client: VoltaGrid, LLC**

Target Analyzer Serial No: INST-22-0007

Dilution System Serial No: LABS-GM-0004 / 4446

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| <b>Step 1</b> | Calibrate Oxygen analyzer per normal procedure using EPA protocol gases (~ 21.0% and ~12.0%) - RM 205-3.2 |
|---------------|-----------------------------------------------------------------------------------------------------------|

|               |                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 2</b> | Using diluter, send a programmed mid (11.0%) and high (18.0%) diluted gas made with the EPA protocol high gas (~21.0%) and nitrogen. Repeat 3 times and complete validation tables below for each diluted gas. - RM 205-3.2.1 - 3.2.5 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**High Level Diluted Gas Validation Table**

| <b>Trial #</b> | <b>Diluter Output (18.0%)</b> | <b>Instrument Response (%)</b> | <b>% Error</b> | <b>% Drift</b> |
|----------------|-------------------------------|--------------------------------|----------------|----------------|
| 1              | 18.00                         | 17.98                          | 0.11%          | 0.04%          |
| 2              | 18.00                         | 17.99                          | 0.06%          | 0.09%          |
| 3              | 18.00                         | 17.95                          | 0.28%          | -0.13%         |
| <b>AVG</b>     | 18.00                         | 17.97                          | 0.15%          |                |

|                                                                          |
|--------------------------------------------------------------------------|
| If Mid Level Protocol Gas = 11.96 ppm then $\pm 10\%$ = 10.764 to 13.156 |
|--------------------------------------------------------------------------|

**Mid Level Diluted Gas Validation Table (within 10% Mid level Protocol Gas)**

| <b>Trial #</b> | <b>Diluter Output (11.0%)</b> | <b>Instrument Response (%)</b> | <b>% Error</b> | <b>% Drift</b> |
|----------------|-------------------------------|--------------------------------|----------------|----------------|
| 1              | 11.00                         | 11.07                          | -0.64%         | 0.15%          |
| 2              | 11.00                         | 11.03                          | -0.27%         | -0.21%         |
| 3              | 11.00                         | 11.06                          | -0.55%         | 0.06%          |
| <b>AVG</b>     | 11.00                         | 11.05                          | -0.48%         |                |

|               |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 3</b> | Introduce the EPA protocol gas directly to the analyzer bypassing the diluter. Repeat 3 times and complete validation table below. RM 205-3.2.6 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

**Mid Level Protocol Gas Validation Table**

| <b>Trial #</b> | <b>Certified Value (%)</b> | <b>Instrument Response (%)</b> | <b>% Error</b> | <b>% Drift</b> |
|----------------|----------------------------|--------------------------------|----------------|----------------|
| 1              | 11.96                      | 12.05                          | -0.75%         | 0.11%          |
| 2              | 11.96                      | 12.02                          | -0.50%         | -0.14%         |
| 3              | 11.96                      | 12.04                          | -0.67%         | 0.03%          |
| <b>AVG</b>     | 11.96                      | 12.04                          | -0.64%         |                |

|               |                                                                                                          |
|---------------|----------------------------------------------------------------------------------------------------------|
| <b>Step 4</b> | If diluter passes all %Error and %Difference (< 2.0%) it is certified for use throughout the field test. |
|---------------|----------------------------------------------------------------------------------------------------------|

## Method 205 Gas Diluter Validation Daily Test Procedure

**Calibration Date: March 2, 2026**

**Client: VoltaGrid, LLC**

Target Analyzer Serial No: INST-22-0007

Dilution System Serial No: LABS-GM-0004 / 4446

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| <b>Step 1</b> | Calibrate Oxygen analyzer per normal procedure using EPA protocol gases (~ 21.0% and ~12.0%) - RM 205-3.2 |
|---------------|-----------------------------------------------------------------------------------------------------------|

|               |                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 2</b> | Using diluter, send a programmed mid (11.0%) and high (18.0%) diluted gas made with the EPA protocol high gas (~21.0%) and nitrogen. Repeat 3 times and complete validation tables below for each diluted gas. - RM 205-3.2.1 - 3.2.5 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**High Level Diluted Gas Validation Table**

| <b>Trial #</b> | <b>Diluter Output (18.0%)</b> | <b>Instrument Response (%)</b> | <b>% Error</b> | <b>% Drift</b> |
|----------------|-------------------------------|--------------------------------|----------------|----------------|
| 1              | 18.00                         | 17.96                          | 0.22%          | 0.06%          |
| 2              | 18.00                         | 17.94                          | 0.33%          | -0.06%         |
| 3              | 18.00                         | 17.95                          | 0.28%          | 0.00%          |
| <b>AVG</b>     | 18.00                         | 17.95                          | 0.28%          |                |

|                                                                          |
|--------------------------------------------------------------------------|
| If Mid Level Protocol Gas = 11.96 ppm then $\pm 10\%$ = 10.764 to 13.156 |
|--------------------------------------------------------------------------|

**Mid Level Diluted Gas Validation Table (within 10% Mid level Protocol Gas)**

| <b>Trial #</b> | <b>Diluter Output (11.0%)</b> | <b>Instrument Response (%)</b> | <b>% Error</b> | <b>% Drift</b> |
|----------------|-------------------------------|--------------------------------|----------------|----------------|
| 1              | 11.00                         | 11.04                          | -0.36%         | 0.00%          |
| 2              | 11.00                         | 11.03                          | -0.27%         | -0.09%         |
| 3              | 11.00                         | 11.05                          | -0.45%         | 0.09%          |
| <b>AVG</b>     | 11.00                         | 11.04                          | -0.36%         |                |

|               |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 3</b> | Introduce the EPA protocol gas directly to the analyzer bypassing the diluter. Repeat 3 times and complete validation table below. RM 205-3.2.6 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

**Mid Level Protocol Gas Validation Table**

| <b>Trial #</b> | <b>Certified Value (%)</b> | <b>Instrument Response (%)</b> | <b>% Error</b> | <b>% Drift</b> |
|----------------|----------------------------|--------------------------------|----------------|----------------|
| 1              | 11.96                      | 12.03                          | -0.59%         | -0.06%         |
| 2              | 11.96                      | 12.04                          | -0.67%         | 0.03%          |
| 3              | 11.96                      | 12.04                          | -0.67%         | 0.03%          |
| <b>AVG</b>     | 11.96                      | 12.04                          | -0.64%         |                |

|               |                                                                                                          |
|---------------|----------------------------------------------------------------------------------------------------------|
| <b>Step 4</b> | If diluter passes all %Error and %Difference (< 2.0%) it is certified for use throughout the field test. |
|---------------|----------------------------------------------------------------------------------------------------------|

## **QUALITY ASSURANCE AND QUALITY CONTROL DATA**

### **Fourier Transform Infrared Analyzer Daily QA Data**

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| Analyzer MDL Determination                               |                    |                         |                     |                     | FTIR: 510                |                         |                 |
|----------------------------------------------------------|--------------------|-------------------------|---------------------|---------------------|--------------------------|-------------------------|-----------------|
| Date<br>(mm/dd/yy)                                       | Time<br>(hh:mm:ss) | Spectrum<br>(File Name) | Cell Temp<br>(°C)   | Cell Press<br>(atm) | CO <sub>2</sub><br>(%vw) | H <sub>2</sub> O<br>(%) | HCHO<br>(ppmvw) |
| 03/02/26                                                 | 6:03:13            | SPC_0000030.LAB         | 190.7               | 0.981               | -0.0025                  | -0.0057                 | 0.0170          |
| 03/02/26                                                 | 6:03:43            | SPC_0000031.LAB         | 190.6               | 0.981               | 0.0095                   | -0.0030                 | -0.1454         |
| 03/02/26                                                 | 6:04:14            | SPC_0000032.LAB         | 190.7               | 0.981               | -0.0127                  | 0.0007                  | -0.1753         |
| 03/02/26                                                 | 6:04:44            | SPC_0000033.LAB         | 190.6               | 0.981               | -0.0028                  | -0.0012                 | 0.0367          |
| 03/02/26                                                 | 6:05:14            | SPC_0000034.LAB         | 190.7               | 0.982               | -0.0002                  | 0.0029                  | -0.1152         |
| 03/02/26                                                 | 6:05:45            | SPC_0000035.LAB         | 190.8               | 0.981               | 0.0082                   | 0.0022                  | 0.0987          |
| 03/02/26                                                 | 6:06:15            | SPC_0000036.LAB         | 190.8               | 0.982               | -0.0129                  | -0.0033                 | 0.0830          |
| 03/02/26                                                 | 6:06:45            | SPC_0000037.LAB         | 190.9               | 0.981               | -0.0021                  | -0.0003                 | -0.0553         |
| 03/02/26                                                 | 6:07:16            | SPC_0000038.LAB         | 190.9               | 0.981               | -0.0149                  | -0.0069                 | -0.1445         |
| 03/02/26                                                 | 6:07:46            | SPC_0000039.LAB         | 191.0               | 0.981               | 0.0014                   | -0.0053                 | 0.0691          |
| 03/02/26                                                 | 6:08:16            | SPC_0000040.LAB         | 190.9               | 0.981               | -0.0021                  | -0.0025                 | 0.0181          |
| 03/02/26                                                 | 6:08:47            | SPC_0000041.LAB         | 190.9               | 0.981               | -0.0009                  | -0.0094                 | -0.1667         |
| <b>Average</b>                                           |                    |                         | <b>190.8</b>        | <b>0.981</b>        | <b>-0.0027</b>           | <b>-0.0026</b>          | <b>-0.0400</b>  |
| <b>Standard Deviation</b>                                |                    |                         |                     |                     | <b>0.0077</b>            | <b>0.0037</b>           | <b>0.1049</b>   |
| <b>t-value (99% interval)</b>                            |                    |                         | <b>(n - 1 = 11)</b> |                     | <b>2.7181</b>            | <b>2.7181</b>           | <b>2.7181</b>   |
| <b>MDL<sub>99%</sub> = StDev x t-value<sub>99%</sub></b> |                    |                         |                     |                     | <b>0.0208</b>            | <b>0.0102</b>           | <b>0.2852</b>   |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| Sampling System<br>Leak Check | Flow<br>(LPM) | Date<br>(mm/dd/yy) | Time<br>(hh:mm) |
|-------------------------------|---------------|--------------------|-----------------|
|                               | ≤0.2          | 03/02/26           | 5:45            |

|                      |
|----------------------|
| FTIR No: 510         |
| Make Model: MKS 2030 |

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Analytical System Leak Checks</b> | <b>Vacuum Leak Check</b> |
|--------------------------------------|--------------------------|

| Spectrum        | Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Vacuum<br>(atm) |
|-----------------|--------------------|--------------------|-----------------|
| SPC_0000002.LAB | 03/02/26           | 5:46:38            | 0.56219         |
| SPC_0000003.LAB | 03/02/26           | 5:47:08            | 0.59593         |
| SPC_0000004.LAB | 03/02/26           | 5:47:38            | 0.62453         |
| SPC_0000005.LAB | 03/02/26           | 5:48:09            | 0.65152         |
| SPC_0000006.LAB | 03/02/26           | 5:48:39            | 0.67690         |
| SPC_0000007.LAB | 03/02/26           | 5:49:09            | 0.70036         |
| SPC_0000008.LAB | 03/02/26           | 5:49:40            | 0.72221         |
| SPC_0000009.LAB | 03/02/26           | 5:50:10            | 0.74277         |
| SPC_0000010.LAB | 03/02/26           | 5:50:40            | 0.76205         |
| SPC_0000011.LAB | 03/02/26           | 5:51:11            | 0.78005         |

| Pressure Elements           | Vacuum<br>(atm) |
|-----------------------------|-----------------|
| Average, P <sub>s</sub>     | 0.68185         |
| Maximum                     | 0.78005         |
| Minimum                     | 0.56219         |
| Difference, ΔP <sub>v</sub> | 0.21785         |

| Time Elements                       | Results<br>(min) |
|-------------------------------------|------------------|
| Signal Integration, t <sub>ss</sub> | 0.51             |
| Test Duration, t <sub>d</sub>       | 4.60             |

|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Analytical System Leak Checks</b> | <b>Pressure Leak Check</b> |
|--------------------------------------|----------------------------|

| Spectrum        | Date<br>(mm/dd/yy) | Time<br>(hh:mm:ss) | Pressure<br>(atm) |
|-----------------|--------------------|--------------------|-------------------|
| SPC_0000015.LAB | 03/02/26           | 5:53:12            | 1.20579           |
| SPC_0000016.LAB | 03/02/26           | 5:53:42            | 1.20579           |
| SPC_0000017.LAB | 03/02/26           | 5:54:12            | 1.20579           |
| SPC_0000018.LAB | 03/02/26           | 5:54:43            | 1.20579           |
| SPC_0000019.LAB | 03/02/26           | 5:55:13            | 1.20579           |
| SPC_0000020.LAB | 03/02/26           | 5:55:43            | 1.20579           |
| SPC_0000021.LAB | 03/02/26           | 5:56:14            | 1.20579           |
| SPC_0000022.LAB | 03/02/26           | 5:56:44            | 1.20579           |
| SPC_0000023.LAB | 03/02/26           | 5:57:14            | 1.20579           |
| SPC_0000024.LAB | 03/02/26           | 5:57:45            | 1.20579           |

| Pressure Elements           | Pressure<br>(atm) |
|-----------------------------|-------------------|
| Average, P <sub>s</sub>     | 1.20579           |
| Maximum                     | 1.20579           |
| Minimum                     | 1.20579           |
| Difference, ΔP <sub>p</sub> | 0.00000           |

|                           |       |
|---------------------------|-------|
| Station Pressure (in. Hg) | 28.98 |
|---------------------------|-------|

| Time Elements                       | Results<br>(min) |
|-------------------------------------|------------------|
| Signal Integration, t <sub>ss</sub> | 0.51             |
| Test Duration, t <sub>d</sub>       | 4.50             |

| Parameter                      | Vacuum  | Pressure | Max ΔP  |
|--------------------------------|---------|----------|---------|
| Test Duration, t <sub>d</sub>  | 4.60    | 4.50     | 4.60    |
| Signal Integ., t <sub>ss</sub> | 0.51    | 0.51     | 0.51    |
| Difference, ΔP                 | 0.21785 | 0.00000  | 0.21785 |
| Average, P <sub>s</sub>        | 0.68185 | 1.20579  | 0.68185 |
| Leak Volume, %V <sub>L</sub>   | 3.511   | 0.000    | 3.511   |
| Pass, ≤4%                      | yes     | yes      | yes     |

$$\%V_L = \frac{100\%}{t_d} t_{ss} \frac{\Delta P_{max}}{P_s}$$

Method 320, Section 8.2.2.4, Equation 2  
expanded to account for sample duration

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

|                                                               |        |
|---------------------------------------------------------------|--------|
| <b>Protocol No. 1, CO<sub>2</sub> Cylinder Concentration:</b> | 19 %vd |
|---------------------------------------------------------------|--------|

| Pre-Test Background |            |                    |           |            |                 | FTIR: 510        |
|---------------------|------------|--------------------|-----------|------------|-----------------|------------------|
| Date                | Time       | Spectrum           | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O |
| (mm/dd/yy)          | (hh:mm:ss) | (File Name)        | (°C)      | (atm)      | (%vw)           | (%)              |
| 03/02/26            | 6:02:30    | SPC_0000029BKG.LAB | 190.7     | 0.981      | 0.0000          | 0.0000           |

| Pre-Test Direct Zero |            |                 |           |            |                 |                  |
|----------------------|------------|-----------------|-----------|------------|-----------------|------------------|
| Date                 | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O |
| (mm/dd/yy)           | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              |
| 03/02/26             | 6:03:13    | SPC_0000030.LAB | 190.7     | 0.981      | -0.0025         | -0.0057          |
| 03/02/26             | 6:03:43    | SPC_0000031.LAB | 190.6     | 0.981      | 0.0095          | -0.0030          |
| 03/02/26             | 6:04:14    | SPC_0000032.LAB | 190.7     | 0.981      | -0.0127         | 0.0007           |

| Pre-Test Direct Calibration Transfer Spectra |            |                 |              |              |                 |                  |
|----------------------------------------------|------------|-----------------|--------------|--------------|-----------------|------------------|
| Date                                         | Time       | Spectrum        | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O |
| (mm/dd/yy)                                   | (hh:mm:ss) | (File Name)     | (°C)         | (atm)        | (%vw)           | (%)              |
| 03/02/26                                     | 6:37:04    | SPC_0000097.LAB | 191.0        | 0.981        | 18.8606         | -0.0069          |
| 03/02/26                                     | 6:37:34    | SPC_0000098.LAB | 191.1        | 0.981        | 18.8837         | 0.0009           |
| 03/02/26                                     | 6:38:04    | SPC_0000099.LAB | 190.9        | 0.981        | 18.8581         | -0.0105          |
| 03/02/26                                     | 6:38:35    | SPC_0000100.LAB | 190.9        | 0.981        | 18.9391         | -0.0105          |
| 03/02/26                                     | 6:39:05    | SPC_0000101.LAB | 190.9        | 0.981        | 18.8804         | -0.0049          |
| <b>Average</b>                               |            |                 | <b>191.0</b> | <b>0.981</b> | <b>18.8844</b>  | <b>-0.0064</b>   |

| Pre-Test System Zero |            |                 |           |            |                 |                  |
|----------------------|------------|-----------------|-----------|------------|-----------------|------------------|
| Date                 | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O |
| (mm/dd/yy)           | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              |
| 03/02/26             | 6:53:44    | SPC_0000130.LAB | 190.9     | 0.979      | 0.0037          | 0.0044           |
| 03/02/26             | 6:54:14    | SPC_0000131.LAB | 190.8     | 0.979      | 0.0061          | 0.0015           |
| 03/02/26             | 6:54:45    | SPC_0000132.LAB | 190.8     | 0.980      | 0.0132          | 0.0039           |

| Pre-Test System Calibration Transfer Spectra |            |                 |              |              |                 |                  |
|----------------------------------------------|------------|-----------------|--------------|--------------|-----------------|------------------|
| Date                                         | Time       | Spectrum        | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O |
| (mm/dd/yy)                                   | (hh:mm:ss) | (File Name)     | (°C)         | (atm)        | (%vw)           | (%)              |
| 03/02/26                                     | 6:43:08    | SPC_0000109.LAB | 190.7        | 0.980        | 18.6797         | 0.9541           |
| 03/02/26                                     | 6:43:38    | SPC_0000110.LAB | 190.7        | 0.981        | 18.7639         | 0.5344           |
| 03/02/26                                     | 6:44:08    | SPC_0000111.LAB | 190.6        | 0.980        | 18.8093         | 0.3093           |
| 03/02/26                                     | 6:44:38    | SPC_0000112.LAB | 190.7        | 0.981        | 18.8235         | 0.2054           |
| 03/02/26                                     | 6:45:09    | SPC_0000113.LAB | 190.6        | 0.980        | 18.8054         | 0.1336           |
| <b>Average</b>                               |            |                 | <b>190.7</b> | <b>0.980</b> | <b>18.7764</b>  | <b>0.4274</b>    |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| <b>Post-Test System Zero</b> |                           |                                |                          |                            |                                |                              |
|------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|
| <b>Date</b><br>(mm/dd/yy)    | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) |
| 03/02/26                     | 18:23:34                  | SPC_0001493.LAB                | 190.9                    | 0.981                      | 0.0084                         | -0.0018                      |
| 03/02/26                     | 18:24:04                  | SPC_0001494.LAB                | 191.0                    | 0.981                      | 0.0186                         | 0.0005                       |
| 03/02/26                     | 18:24:34                  | SPC_0001495.LAB                | 190.9                    | 0.980                      | 0.0066                         | 0.0079                       |

| <b>Post-Test System Calibration Transfer Spectra</b> |                           |                                |                          |                            |                                |                              |
|------------------------------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|
| <b>Date</b><br>(mm/dd/yy)                            | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) |
| 03/02/26                                             | 18:29:37                  | SPC_0001505.LAB                | 190.4                    | 0.981                      | 18.6906                        | 0.0040                       |
| 03/02/26                                             | 18:30:08                  | SPC_0001506.LAB                | 190.6                    | 0.980                      | 18.8142                        | 0.0058                       |
| 03/02/26                                             | 18:30:38                  | SPC_0001507.LAB                | 190.5                    | 0.981                      | 18.7783                        | 0.0064                       |
| 03/02/26                                             | 18:31:08                  | SPC_0001508.LAB                | 190.4                    | 0.980                      | 18.8192                        | 0.0036                       |
| 03/02/26                                             | 18:31:39                  | SPC_0001509.LAB                | 190.6                    | 0.981                      | 18.7997                        | 0.0008                       |
| <b>Average</b>                                       |                           |                                | <b>190.5</b>             | <b>0.980</b>               | <b>18.7804</b>                 | <b>0.0041</b>                |

| <b>Post-Test Direct Calibration Transfer Spectra</b> |                           |                                |                          |                            |                                |                              |
|------------------------------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|
| <b>Date</b><br>(mm/dd/yy)                            | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) |
| 03/02/26                                             | 18:48:19                  | SPC_0001542.LAB                | 190.9                    | 0.981                      | 18.8670                        | -0.0087                      |
| 03/02/26                                             | 18:48:49                  | SPC_0001543.LAB                | 190.9                    | 0.981                      | 18.7455                        | -0.0098                      |
| 03/02/26                                             | 18:49:19                  | SPC_0001544.LAB                | 190.9                    | 0.981                      | 18.7606                        | -0.0040                      |
| 03/02/26                                             | 18:49:49                  | SPC_0001545.LAB                | 190.9                    | 0.981                      | 18.7639                        | -0.0089                      |
| 03/02/26                                             | 18:50:20                  | SPC_0001546.LAB                | 190.9                    | 0.981                      | 18.7646                        | -0.0079                      |
| <b>Average</b>                                       |                           |                                | <b>190.9</b>             | <b>0.981</b>               | <b>18.7803</b>                 | <b>-0.0079</b>               |

| <b>Post-Test Direct Zero</b> |                           |                                |                          |                            |                                |                              |
|------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|
| <b>Date</b><br>(mm/dd/yy)    | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) |
| 03/02/26                     | 18:52:51                  | SPC_0001551.LAB                | 190.9                    | 0.981                      | 0.0142                         | -0.0111                      |
| 03/02/26                     | 18:53:21                  | SPC_0001552.LAB                | 190.9                    | 0.981                      | 0.0153                         | -0.0087                      |
| 03/02/26                     | 18:53:52                  | SPC_0001553.LAB                | 191.0                    | 0.981                      | 0.0232                         | -0.0104                      |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| <b>Post-Test Background</b> |             |                 |                  |                   |                       |                       |
|-----------------------------|-------------|-----------------|------------------|-------------------|-----------------------|-----------------------|
| <b>Date</b>                 | <b>Time</b> | <b>Spectrum</b> | <b>Cell Temp</b> | <b>Cell Press</b> | <b>CO<sub>2</sub></b> | <b>H<sub>2</sub>O</b> |
| (mm/dd/yy)                  | (hh:mm:ss)  | (File Name)     | (°C)             | (atm)             | (%vw)                 | (%)                   |
|                             |             |                 |                  |                   |                       |                       |

| <b>CTS Results</b> | Protocol No. 1 Concentration | FTIR CO <sub>2</sub><br>Average | Error<br>(%) | Pass<br>(≤5%) |
|--------------------|------------------------------|---------------------------------|--------------|---------------|
| Pre-Test Direct    | 19.00                        | 18.88                           | 0.61         | YES           |
| Post-Test Direct   | 19.00                        | 18.78                           | 1.16         | YES           |
| Pre-Test System    | 19.00                        | 18.78                           | 1.18         | YES           |
| Post-Test System   | 19.00                        | 18.78                           | 1.16         | YES           |

| <b>Pre / Post<br/>Comparison</b> | FTIR CO <sub>2</sub><br>Maximum | FTIR CO <sub>2</sub><br>Pre/Post Mean | Error<br>(%) | Pass<br>(≤5%) |
|----------------------------------|---------------------------------|---------------------------------------|--------------|---------------|
| Pre-Test Direct                  | 18.94                           | 18.83                                 | 0.56         | YES           |
| Post-Test Direct                 | 18.87                           |                                       | 0.18         | YES           |
| Pre-Test System                  | 18.82                           | 18.83                                 | 0.05         | YES           |
| Post-Test System                 | 18.82                           |                                       | 0.07         | YES           |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

|                                                |            |
|------------------------------------------------|------------|
| <b>Certified, HCHO Cylinder Concentration:</b> | 22.2 ppmvd |
|------------------------------------------------|------------|

| Pre-Test Background |            |                    |           |            |                 | FTIR: 510        |        |
|---------------------|------------|--------------------|-----------|------------|-----------------|------------------|--------|
| Date                | Time       | Spectrum           | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO   |
| (mm/dd/yy)          | (hh:mm:ss) | (File Name)        | (°C)      | (atm)      | (%vw)           | (%)              | (ppm)  |
| 03/02/26            | 6:02:30    | SPC_0000029BKG.LAB | 190.7     | 0.981      | 0.0000          | 0.0000           | 0.0000 |

| Pre-Test Direct Zero |            |                 |           |            |                 |                  |         |
|----------------------|------------|-----------------|-----------|------------|-----------------|------------------|---------|
| Date                 | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy)           | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              | (ppm)   |
| 03/02/26             | 6:03:13    | SPC_0000030.LAB | 190.7     | 0.981      | -0.0025         | -0.0057          | 0.0170  |
| 03/02/26             | 6:03:43    | SPC_0000031.LAB | 190.6     | 0.981      | 0.0095          | -0.0030          | -0.1454 |
| 03/02/26             | 6:04:14    | SPC_0000032.LAB | 190.7     | 0.981      | -0.0127         | 0.0007           | -0.1753 |

| Pre-Test Direct Calibration Transfer Spectra |            |                 |              |              |                 |                  |                |
|----------------------------------------------|------------|-----------------|--------------|--------------|-----------------|------------------|----------------|
| Date                                         | Time       | Spectrum        | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O | HCHO           |
| (mm/dd/yy)                                   | (hh:mm:ss) | (File Name)     | (°C)         | (atm)        | (%vw)           | (%)              | (ppm)          |
| 03/02/26                                     | 6:28:29    | SPC_0000080.LAB | 190.8        | 0.981        | 0.0128          | -0.0091          | 22.1099        |
| 03/02/26                                     | 6:28:59    | SPC_0000081.LAB | 190.7        | 0.981        | -0.0067         | -0.0074          | 22.0967        |
| 03/02/26                                     | 6:29:29    | SPC_0000082.LAB | 190.7        | 0.981        | -0.0068         | -0.0028          | 22.2199        |
| 03/02/26                                     | 6:30:00    | SPC_0000083.LAB | 190.7        | 0.981        | -0.0106         | 0.0031           | 22.1353        |
| 03/02/26                                     | 6:30:30    | SPC_0000084.LAB | 190.8        | 0.981        | -0.0064         | -0.0022          | 22.1464        |
| <b>Average</b>                               |            |                 | <b>190.8</b> | <b>0.981</b> | <b>-0.0035</b>  | <b>-0.0037</b>   | <b>22.1416</b> |

| Pre-Test System Zero |            |                 |           |            |                 |                  |         |
|----------------------|------------|-----------------|-----------|------------|-----------------|------------------|---------|
| Date                 | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy)           | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              | (ppm)   |
| 03/02/26             | 6:53:44    | SPC_0000130.LAB | 190.9     | 0.979      | 0.0037          | 0.0044           | -0.0584 |
| 03/02/26             | 6:54:14    | SPC_0000131.LAB | 190.8     | 0.979      | 0.0061          | 0.0015           | -0.1222 |
| 03/02/26             | 6:54:45    | SPC_0000132.LAB | 190.8     | 0.980      | 0.0132          | 0.0039           | -0.0904 |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| <b>Post-Test System Zero</b> |                           |                                |                          |                            |                                |                              |                      |
|------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|----------------------|
| <b>Date</b><br>(mm/dd/yy)    | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) | <b>HCHO</b><br>(ppm) |
| 03/02/26                     | 18:23:34                  | SPC_0001493.LAB                | 190.9                    | 0.981                      | 0.0084                         | -0.0018                      | 0.0790               |
| 03/02/26                     | 18:24:04                  | SPC_0001494.LAB                | 191.0                    | 0.981                      | 0.0186                         | 0.0005                       | 0.0263               |
| 03/02/26                     | 18:24:34                  | SPC_0001495.LAB                | 190.9                    | 0.980                      | 0.0066                         | 0.0079                       | 0.1442               |

| <b>Post-Test Direct Calibration Transfer Spectra</b> |                           |                                |                          |                            |                                |                              |                      |
|------------------------------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|----------------------|
| <b>Date</b><br>(mm/dd/yy)                            | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) | <b>HCHO</b><br>(ppm) |
| 03/02/26                                             | 18:41:14                  | SPC_0001528.LAB                | 190.9                    | 0.981                      | 0.0156                         | 0.0039                       | 21.7230              |
| 03/02/26                                             | 18:41:45                  | SPC_0001529.LAB                | 190.9                    | 0.981                      | 0.0045                         | -0.0039                      | 21.8961              |
| 03/02/26                                             | 18:42:15                  | SPC_0001530.LAB                | 190.8                    | 0.981                      | -0.0084                        | -0.0076                      | 22.1615              |
| 03/02/26                                             | 18:42:45                  | SPC_0001531.LAB                | 190.7                    | 0.981                      | 0.0096                         | -0.0060                      | 22.2897              |
| 03/02/26                                             | 18:43:16                  | SPC_0001532.LAB                | 190.7                    | 0.981                      | 0.0133                         | -0.0128                      | 22.2958              |
| <b>Average</b>                                       |                           |                                | <b>190.8</b>             | <b>0.981</b>               | <b>0.0069</b>                  | <b>-0.0053</b>               | <b>22.0732</b>       |

| <b>Post-Test Direct Zero</b> |                           |                                |                          |                            |                                |                              |                      |
|------------------------------|---------------------------|--------------------------------|--------------------------|----------------------------|--------------------------------|------------------------------|----------------------|
| <b>Date</b><br>(mm/dd/yy)    | <b>Time</b><br>(hh:mm:ss) | <b>Spectrum</b><br>(File Name) | <b>Cell Temp</b><br>(°C) | <b>Cell Press</b><br>(atm) | <b>CO<sub>2</sub></b><br>(%vw) | <b>H<sub>2</sub>O</b><br>(%) | <b>HCHO</b><br>(ppm) |
| 03/02/26                     | 18:52:51                  | SPC_0001551.LAB                | 190.9                    | 0.981                      | 0.0142                         | -0.0111                      | -0.0280              |
| 03/02/26                     | 18:53:21                  | SPC_0001552.LAB                | 190.9                    | 0.981                      | 0.0153                         | -0.0087                      | 0.0396               |
| 03/02/26                     | 18:53:52                  | SPC_0001553.LAB                | 191.0                    | 0.981                      | 0.0232                         | -0.0104                      | -0.0481              |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| <b>Post-Test Background</b> |             |                 |                  |                   |                       |                       |             |
|-----------------------------|-------------|-----------------|------------------|-------------------|-----------------------|-----------------------|-------------|
| <b>Date</b>                 | <b>Time</b> | <b>Spectrum</b> | <b>Cell Temp</b> | <b>Cell Press</b> | <b>CO<sub>2</sub></b> | <b>H<sub>2</sub>O</b> | <b>HCHO</b> |
| (mm/dd/yy)                  | (hh:mm:ss)  | (File Name)     | (°C)             | (atm)             | (%vw)                 | (%)                   | (ppm)       |
|                             |             |                 |                  |                   |                       |                       |             |

| <b>CTS Results</b> | Certified Concentration | FTIR HCHO<br>Average | Error<br>(%) | Pass<br>(≤5%) |
|--------------------|-------------------------|----------------------|--------------|---------------|
| Pre-Test Direct    | 22.20                   | 22.14                | 0.26         | YES           |
| Post-Test Direct   | 22.20                   | 22.07                | 0.57         | YES           |

| <b>Pre / Post<br/>Comparison</b> | FTIR<br>Maximum | FTIR<br>Pre/Post Mean | Error<br>(%) | Pass<br>(≤5%) |
|----------------------------------|-----------------|-----------------------|--------------|---------------|
| Pre-Test Direct                  | 22.22           | 22.11                 | 0.51         | YES           |
| Post-Test Direct                 | 22.30           |                       | 0.84         | YES           |

Voltagrid  
March 2, 2026  
Jenbacher , J620, Unit #Unit 2  
SAT-1 EGU

|                                                               |          |
|---------------------------------------------------------------|----------|
| <b>Protocol No. 1, CH<sub>4</sub> Cylinder Concentration:</b> | 30 ppmvd |
|---------------------------------------------------------------|----------|

| Pre-Test Background |            |                    |           |            |                 | FTIR: 510        |                 |
|---------------------|------------|--------------------|-----------|------------|-----------------|------------------|-----------------|
| Date                | Time       | Spectrum           | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | CH <sub>4</sub> |
| (mm/dd/yy)          | (hh:mm:ss) | (File Name)        | (°C)      | (atm)      | (%vw)           | (%)              | (ppm)           |
| 03/02/26            | 6:02:30    | SPC_0000029BKG.LAB | 190.7     | 0.981      | 0.0000          | 0.0000           | 0.0000          |

| Pre-Test Direct Zero |            |                 |           |            |                 |                  |                 |
|----------------------|------------|-----------------|-----------|------------|-----------------|------------------|-----------------|
| Date                 | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | CH <sub>4</sub> |
| (mm/dd/yy)           | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              | (ppm)           |
| 03/02/26             | 6:03:13    | SPC_0000030.LAB | 190.7     | 0.981      | -0.0025         | -0.0057          | 0.0380          |
| 03/02/26             | 6:03:43    | SPC_0000031.LAB | 190.6     | 0.981      | 0.0095          | -0.0030          | 0.3962          |
| 03/02/26             | 6:04:14    | SPC_0000032.LAB | 190.7     | 0.981      | -0.0127         | 0.0007           | 0.3455          |

| Pre-Test Direct Calibration Transfer Spectra |            |                 |              |              |                 |                  |                 |
|----------------------------------------------|------------|-----------------|--------------|--------------|-----------------|------------------|-----------------|
| Date                                         | Time       | Spectrum        | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O | CH <sub>4</sub> |
| (mm/dd/yy)                                   | (hh:mm:ss) | (File Name)     | (°C)         | (atm)        | (%vw)           | (%)              | (ppm)           |
| 03/02/26                                     | 6:14:20    | SPC_0000052.LAB | 190.7        | 0.981        | -0.0014         | 0.0131           | 29.4209         |
| 03/02/26                                     | 6:14:50    | SPC_0000053.LAB | 190.7        | 0.981        | -0.0086         | 0.0033           | 29.5053         |
| 03/02/26                                     | 6:15:21    | SPC_0000054.LAB | 190.7        | 0.981        | 0.0014          | -0.0030          | 29.2096         |
| 03/02/26                                     | 6:15:51    | SPC_0000055.LAB | 190.7        | 0.981        | -0.0134         | -0.0033          | 28.9613         |
| 03/02/26                                     | 6:16:21    | SPC_0000056.LAB | 190.7        | 0.981        | -0.0067         | -0.0014          | 29.0802         |
| <b>Average</b>                               |            |                 | <b>190.7</b> | <b>0.981</b> | <b>-0.0057</b>  | <b>0.0017</b>    | <b>29.2355</b>  |

| Pre-Test System Zero |            |                 |           |            |                 |                  |                 |
|----------------------|------------|-----------------|-----------|------------|-----------------|------------------|-----------------|
| Date                 | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | CH <sub>4</sub> |
| (mm/dd/yy)           | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              | (ppm)           |
| 03/02/26             | 6:53:44    | SPC_0000130.LAB | 190.9     | 0.979      | 0.0037          | 0.0044           | -0.6332         |
| 03/02/26             | 6:54:14    | SPC_0000131.LAB | 190.8     | 0.979      | 0.0061          | 0.0015           | -0.1961         |
| 03/02/26             | 6:54:45    | SPC_0000132.LAB | 190.8     | 0.980      | 0.0132          | 0.0039           | 0.2888          |

| Pre-Test System Calibration Transfer Spectra |            |                 |              |              |                 |                  |                 |
|----------------------------------------------|------------|-----------------|--------------|--------------|-----------------|------------------|-----------------|
| Date                                         | Time       | Spectrum        | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O | CH <sub>4</sub> |
| (mm/dd/yy)                                   | (hh:mm:ss) | (File Name)     | (°C)         | (atm)        | (%vw)           | (%)              | (ppm)           |
| 03/02/26                                     | 6:47:10    | SPC_0000117.LAB | 190.9        | 0.980        | 0.0163          | 0.0526           | 30.0434         |
| 03/02/26                                     | 6:47:40    | SPC_0000118.LAB | 190.8        | 0.981        | 0.0267          | 0.0387           | 29.7409         |
| 03/02/26                                     | 6:48:11    | SPC_0000119.LAB | 191.0        | 0.981        | 0.0191          | 0.0302           | 29.0846         |
| 03/02/26                                     | 6:48:41    | SPC_0000120.LAB | 191.0        | 0.981        | 0.0158          | 0.0255           | 29.6899         |
| 03/02/26                                     | 6:49:11    | SPC_0000121.LAB | 191.0        | 0.980        | 0.0203          | 0.0207           | 29.9063         |
| <b>Average</b>                               |            |                 | <b>191.0</b> | <b>0.980</b> | <b>0.0196</b>   | <b>0.0336</b>    | <b>29.6930</b>  |

Voltagrid  
March 2, 2026  
Jenbacher , J620, Unit #Unit 2  
SAT-1 EGU

| Post-Test System Zero |                    |                         |                   |                     |                          |                         |                          |
|-----------------------|--------------------|-------------------------|-------------------|---------------------|--------------------------|-------------------------|--------------------------|
| Date<br>(mm/dd/yy)    | Time<br>(hh:mm:ss) | Spectrum<br>(File Name) | Cell Temp<br>(°C) | Cell Press<br>(atm) | CO <sub>2</sub><br>(%vw) | H <sub>2</sub> O<br>(%) | CH <sub>4</sub><br>(ppm) |
| 03/02/26              | 18:23:34           | SPC_0001493.LAB         | 190.9             | 0.981               | 0.0084                   | -0.0018                 | 1.3269                   |
| 03/02/26              | 18:24:04           | SPC_0001494.LAB         | 191.0             | 0.981               | 0.0186                   | 0.0005                  | 1.2529                   |
| 03/02/26              | 18:24:34           | SPC_0001495.LAB         | 190.9             | 0.980               | 0.0066                   | 0.0079                  | 0.6106                   |

| Post-Test System Calibration Transfer Spectra |                    |                         |                   |                     |                          |                         |                          |
|-----------------------------------------------|--------------------|-------------------------|-------------------|---------------------|--------------------------|-------------------------|--------------------------|
| Date<br>(mm/dd/yy)                            | Time<br>(hh:mm:ss) | Spectrum<br>(File Name) | Cell Temp<br>(°C) | Cell Press<br>(atm) | CO <sub>2</sub><br>(%vw) | H <sub>2</sub> O<br>(%) | CH <sub>4</sub><br>(ppm) |
| 03/02/26                                      | 18:37:12           | SPC_0001520.LAB         | 190.9             | 0.980               | 0.0214                   | 0.0053                  | 30.2074                  |
| 03/02/26                                      | 18:37:42           | SPC_0001521.LAB         | 191.0             | 0.981               | 0.0198                   | 0.0066                  | 30.1343                  |
| 03/02/26                                      | 18:38:13           | SPC_0001522.LAB         | 191.0             | 0.980               | 0.0194                   | -0.0006                 | 29.5725                  |
| 03/02/26                                      | 18:38:43           | SPC_0001523.LAB         | 191.1             | 0.981               | 0.0162                   | -0.0021                 | 30.1554                  |
| 03/02/26                                      | 18:39:13           | SPC_0001524.LAB         | 191.1             | 0.980               | 0.0186                   | -0.0011                 | 29.8096                  |
| Average                                       |                    |                         | 191.1             | 0.980               | 0.0191                   | 0.0016                  | 29.9759                  |

| Post-Test Direct Calibration Transfer Spectra |                    |                         |                   |                     |                          |                         |                          |
|-----------------------------------------------|--------------------|-------------------------|-------------------|---------------------|--------------------------|-------------------------|--------------------------|
| Date<br>(mm/dd/yy)                            | Time<br>(hh:mm:ss) | Spectrum<br>(File Name) | Cell Temp<br>(°C) | Cell Press<br>(atm) | CO <sub>2</sub><br>(%vw) | H <sub>2</sub> O<br>(%) | CH <sub>4</sub><br>(ppm) |
| 03/02/26                                      | 18:44:46           | SPC_0001535.LAB         | 190.7             | 0.981               | 0.0028                   | -0.0030                 | 29.2646                  |
| 03/02/26                                      | 18:45:17           | SPC_0001536.LAB         | 190.7             | 0.981               | -0.0040                  | -0.0108                 | 29.0774                  |
| 03/02/26                                      | 18:45:47           | SPC_0001537.LAB         | 190.6             | 0.981               | 0.0000                   | -0.0046                 | 29.0362                  |
| 03/02/26                                      | 18:46:17           | SPC_0001538.LAB         | 190.6             | 0.982               | -0.0036                  | -0.0073                 | 29.0186                  |
| 03/02/26                                      | 18:46:48           | SPC_0001539.LAB         | 190.7             | 0.981               | 0.0045                   | -0.0048                 | 28.5128                  |
| Average                                       |                    |                         | 190.7             | 0.981               | -0.0001                  | -0.0061                 | 28.9819                  |

| Post-Test Direct Zero |                    |                         |                   |                     |                          |                         |                          |
|-----------------------|--------------------|-------------------------|-------------------|---------------------|--------------------------|-------------------------|--------------------------|
| Date<br>(mm/dd/yy)    | Time<br>(hh:mm:ss) | Spectrum<br>(File Name) | Cell Temp<br>(°C) | Cell Press<br>(atm) | CO <sub>2</sub><br>(%vw) | H <sub>2</sub> O<br>(%) | CH <sub>4</sub><br>(ppm) |
| 03/02/26              | 18:52:51           | SPC_0001551.LAB         | 190.9             | 0.981               | 0.0142                   | -0.0111                 | -0.0954                  |
| 03/02/26              | 18:53:21           | SPC_0001552.LAB         | 190.9             | 0.981               | 0.0153                   | -0.0087                 | -0.1161                  |
| 03/02/26              | 18:53:52           | SPC_0001553.LAB         | 191.0             | 0.981               | 0.0232                   | -0.0104                 | -0.2294                  |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| <b>Post-Test Background</b> |             |                 |                  |                   |                       |                       |                       |
|-----------------------------|-------------|-----------------|------------------|-------------------|-----------------------|-----------------------|-----------------------|
| <b>Date</b>                 | <b>Time</b> | <b>Spectrum</b> | <b>Cell Temp</b> | <b>Cell Press</b> | <b>CO<sub>2</sub></b> | <b>H<sub>2</sub>O</b> | <b>CH<sub>4</sub></b> |
| (mm/dd/yy)                  | (hh:mm:ss)  | (File Name)     | (°C)             | (atm)             | (%vw)                 | (%)                   | (ppm)                 |
|                             |             |                 |                  |                   |                       |                       |                       |

| <b>CTS Results</b> | Protocol No. 1 Concentration | FTIR CH <sub>4</sub><br>Average | Error<br>(%) | Pass<br>(≤5%) |
|--------------------|------------------------------|---------------------------------|--------------|---------------|
| Pre-Test Direct    | 30.00                        | 29.24                           | 2.55         | YES           |
| Post-Test Direct   | 30.00                        | 28.98                           | 3.39         | YES           |
| Pre-Test System    | 30.00                        | 29.69                           | 1.02         | YES           |
| Post-Test System   | 30.00                        | 29.98                           | 0.08         | YES           |

| <b>Pre / Post<br/>Comparison</b> | FTIR<br>Maximum | FTIR<br>Pre/Post Mean | Error<br>(%) | Pass<br>(≤5%) |
|----------------------------------|-----------------|-----------------------|--------------|---------------|
| Pre-Test Direct                  | 29.51           | 29.11                 | 1.34         | YES           |
| Post-Test Direct                 | 29.26           |                       | 0.53         | YES           |
| Pre-Test System                  | 30.04           | 29.11                 | 3.11         | YES           |
| Post-Test System                 | 30.21           |                       | 3.64         | YES           |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| Trial #1   |            | Spike Gas Direct Verification |           |            |                 | FTIR: 510        |         |
|------------|------------|-------------------------------|-----------|------------|-----------------|------------------|---------|
| Date       | Time       | Spectrum                      | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy) | (hh:mm:ss) | (File Name)                   | (°C)      | (atm)      | (%vw)           | (%)              | (ppmvw) |
| 03/02/26   | 6:28:29    | SPC_0000080.LAB               | 190.8     | 0.981      | 0.0128          | -0.0091          | 22.1099 |
| 03/02/26   | 6:28:59    | SPC_0000081.LAB               | 190.7     | 0.981      | -0.0067         | -0.0074          | 22.0967 |
| 03/02/26   | 6:29:29    | SPC_0000082.LAB               | 190.7     | 0.981      | -0.0068         | -0.0028          | 22.2199 |
| 03/02/26   | 6:30:00    | SPC_0000083.LAB               | 190.7     | 0.981      | -0.0106         | 0.0031           | 22.1353 |
| Average    |            |                               | 190.8     | 0.981      | -0.0028         | -0.0040          | 22.1404 |

| Trial #1   |            | Pre-Spike - Native Samples |           |            |                 |                  |         |
|------------|------------|----------------------------|-----------|------------|-----------------|------------------|---------|
| Date       | Time       | Spectrum                   | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy) | (hh:mm:ss) | (File Name)                | (°C)      | (atm)      | (%vw)           | (%)              | (ppmvw) |
| 03/02/26   | 17:59:31   | SPC_0001446.LAB            | 190.9     | 0.981      | 4.6007          | 10.3394          | 0.2547  |
| 03/02/26   | 18:00:01   | SPC_0001447.LAB            | 190.9     | 0.980      | 4.6106          | 10.3535          | 0.2619  |
| 03/02/26   | 18:00:31   | SPC_0001448.LAB            | 190.9     | 0.980      | 4.6134          | 10.3751          | 0.1888  |
| 03/02/26   | 18:01:02   | SPC_0001449.LAB            | 190.8     | 0.981      | 4.6291          | 10.3669          | 0.3001  |
| Average    |            |                            | 190.9     | 0.980      | 4.6135          | 10.3587          | 0.2514  |

| Trial #1   |            | Spiked Samples  |           |            |                 |                  |         |
|------------|------------|-----------------|-----------|------------|-----------------|------------------|---------|
| Date       | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy) | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              | (ppmvw) |
| 03/02/26   | 18:05:34   | SPC_0001458.LAB | 190.6     | 0.981      | 4.1540          | 9.2914           | 1.8297  |
| 03/02/26   | 18:06:05   | SPC_0001459.LAB | 190.4     | 0.981      | 4.1337          | 9.2580           | 1.8670  |
| 03/02/26   | 18:06:35   | SPC_0001460.LAB | 190.6     | 0.981      | 4.1237          | 9.2504           | 1.8538  |
| 03/02/26   | 18:07:05   | SPC_0001461.LAB | 190.7     | 0.981      | 4.1268          | 9.2228           | 1.7894  |
| Average    |            |                 | 190.6     | 0.981      | 4.1346          | 9.2557           | 1.8350  |

| Trial #2   |            | Spike Gas Direct Verification |           |            |                 | FTIR: 510        |         |
|------------|------------|-------------------------------|-----------|------------|-----------------|------------------|---------|
| Date       | Time       | Spectrum                      | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy) | (hh:mm:ss) | (File Name)                   | (°C)      | (atm)      | (%vw)           | (%)              | (ppmvw) |
| 03/02/26   | 6:28:29    | SPC_0000080.LAB               | 190.8     | 0.98       | 0.0128          | -0.0091          | 22.1099 |
| 03/02/26   | 6:28:59    | SPC_0000081.LAB               | 190.7     | 0.98       | -0.0067         | -0.0074          | 22.0967 |
| 03/02/26   | 6:29:29    | SPC_0000082.LAB               | 190.7     | 0.98       | -0.0068         | -0.0028          | 22.2199 |
| 03/02/26   | 6:30:00    | SPC_0000083.LAB               | 190.7     | 0.98       | -0.0106         | 0.0031           | 22.1353 |
| Average    |            |                               | 190.8     | 0.981      | -0.0028         | -0.0040          | 22.1404 |

| Trial #2   |            | Pre-Spike - Native Samples |           |            |                 |                  |         |
|------------|------------|----------------------------|-----------|------------|-----------------|------------------|---------|
| Date       | Time       | Spectrum                   | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy) | (hh:mm:ss) | (File Name)                | (°C)      | (atm)      | (%vw)           | (%)              | (ppmvw) |
| 03/02/26   | 18:08:36   | SPC_0001464.LAB            | 190.8     | 0.981      | 4.6034          | 10.3355          | 0.2490  |
| 03/02/26   | 18:09:07   | SPC_0001465.LAB            | 190.7     | 0.981      | 4.5921          | 10.3417          | 0.1816  |
| 03/02/26   | 18:09:37   | SPC_0001466.LAB            | 190.9     | 0.981      | 4.6051          | 10.3392          | 0.1646  |
| 03/02/26   | 18:10:07   | SPC_0001467.LAB            | 190.8     | 0.981      | 4.6089          | 10.3364          | 0.1960  |
| Average    |            |                            | 190.8     | 0.981      | 4.6024          | 10.3382          | 0.1978  |

| Trial #2   |            | Spiked Samples  |           |            |                 |                  |         |
|------------|------------|-----------------|-----------|------------|-----------------|------------------|---------|
| Date       | Time       | Spectrum        | Cell Temp | Cell Press | CO <sub>2</sub> | H <sub>2</sub> O | HCHO    |
| (mm/dd/yy) | (hh:mm:ss) | (File Name)     | (°C)      | (atm)      | (%vw)           | (%)              | (ppmvw) |
| 03/02/26   | 18:11:38   | SPC_0001470.LAB | 190.9     | 0.981      | 4.1373          | 9.3095           | 1.9512  |
| 03/02/26   | 18:12:08   | SPC_0001471.LAB | 191.0     | 0.980      | 4.1321          | 9.2844           | 2.0957  |
| 03/02/26   | 18:12:39   | SPC_0001472.LAB | 191.0     | 0.980      | 4.1390          | 9.2576           | 2.0479  |
| 03/02/26   | 18:13:09   | SPC_0001473.LAB | 191.0     | 0.981      | 4.1322          | 9.2801           | 2.0567  |
| Average    |            |                 | 191.0     | 0.980      | 4.1352          | 9.2829           | 2.0379  |

**Voltagrid**  
**March 2, 2026**  
**Jenbacher , J620, Unit #Unit 2**  
**SAT-1 EGU**

| Trial #3       |            | Spike Gas Direct Verification |              |              | FTIR: 510       |                  |                |
|----------------|------------|-------------------------------|--------------|--------------|-----------------|------------------|----------------|
| Date           | Time       | Spectrum                      | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O | HCHO           |
| (mm/dd/yy)     | (hh:mm:ss) | (File Name)                   | (°C)         | (atm)        | (%vw)           | (%)              | (ppmvw)        |
| 03/02/26       | 6:28:29    | SPC_0000080.LAB               | 190.8        | 0.98         | 0.0128          | -0.0091          | 22.1099        |
| 03/02/26       | 6:28:59    | SPC_0000081.LAB               | 190.7        | 0.98         | -0.0067         | -0.0074          | 22.0967        |
| 03/02/26       | 6:29:29    | SPC_0000082.LAB               | 190.7        | 0.98         | -0.0068         | -0.0028          | 22.2199        |
| 03/02/26       | 6:30:00    | SPC_0000083.LAB               | 190.7        | 0.98         | -0.0106         | 0.0031           | 22.1353        |
| <b>Average</b> |            |                               | <b>190.8</b> | <b>0.981</b> | <b>-0.0028</b>  | <b>-0.0040</b>   | <b>22.1404</b> |

| Trial #3       |            | Pre-Spike - Native Samples |              |              |                 |                  |               |
|----------------|------------|----------------------------|--------------|--------------|-----------------|------------------|---------------|
| Date           | Time       | Spectrum                   | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O | HCHO          |
| (mm/dd/yy)     | (hh:mm:ss) | (File Name)                | (°C)         | (atm)        | (%vw)           | (%)              | (ppmvw)       |
| 03/02/26       | 18:14:10   | SPC_0001475.LAB            | 190.9        | 0.980        | 4.6200          | 10.3897          | 0.1827        |
| 03/02/26       | 18:14:40   | SPC_0001476.LAB            | 190.7        | 0.981        | 4.6067          | 10.3814          | 0.3394        |
| 03/02/26       | 18:15:10   | SPC_0001477.LAB            | 190.7        | 0.980        | 4.6021          | 10.3731          | 0.1185        |
| 03/02/26       | 18:15:40   | SPC_0001478.LAB            | 190.7        | 0.980        | 4.6196          | 10.3877          | 0.2055        |
| <b>Average</b> |            |                            | <b>190.8</b> | <b>0.980</b> | <b>4.6121</b>   | <b>10.3830</b>   | <b>0.2115</b> |

| Trial #3       |            | Spiked Samples  |              |              |                 |                  |               |
|----------------|------------|-----------------|--------------|--------------|-----------------|------------------|---------------|
| Date           | Time       | Spectrum        | Cell Temp    | Cell Press   | CO <sub>2</sub> | H <sub>2</sub> O | HCHO          |
| (mm/dd/yy)     | (hh:mm:ss) | (File Name)     | (°C)         | (atm)        | (%vw)           | (%)              | (ppmvw)       |
| 03/02/26       | 18:17:11   | SPC_0001481.LAB | 190.7        | 0.981        | 4.1461          | 9.3139           | 2.2050        |
| 03/02/26       | 18:17:42   | SPC_0001482.LAB | 190.5        | 0.980        | 4.1369          | 9.3045           | 2.2281        |
| 03/02/26       | 18:18:12   | SPC_0001483.LAB | 190.6        | 0.981        | 4.1470          | 9.3104           | 2.1863        |
| 03/02/26       | 18:18:42   | SPC_0001484.LAB | 190.4        | 0.980        | 4.1546          | 9.3389           | 2.2619        |
| <b>Average</b> |            |                 | <b>190.6</b> | <b>0.980</b> | <b>4.1461</b>   | <b>9.3169</b>    | <b>2.2203</b> |

| Parameter                                               | Units   | Trial #1 | Trial #2 | Trial #3 |
|---------------------------------------------------------|---------|----------|----------|----------|
| Direct Verified Concentration of Formaldehyde (HCHO)    | (ppmvw) | 22.1404  | 22.1404  | 22.1404  |
| Stack (Native, Unspiked) CO <sub>2</sub> Concentration  | (%vw)   | 4.6135   | 4.6024   | 4.6121   |
| Stack (Native, Unspiked) H <sub>2</sub> O Concentration | (%)     | 10.3587  | 10.3382  | 10.3830  |
| Stack (Native, Unspiked) HCHO Concentration             | (ppmvw) | 0.2514   | 0.1978   | 0.2115   |
| Stack + Spike CO <sub>2</sub> Concentration             | (%vw)   | 4.1346   | 4.1352   | 4.1461   |
| Stack + Spike H <sub>2</sub> O Concentration            | (%)     | 9.2557   | 9.2829   | 9.3169   |
| Stack + Spike HCHO Concentration                        | (ppmvw) | 1.8350   | 2.0379   | 2.2203   |
| Dilution Factor, calc. from CO <sub>2</sub> (%vw)       |         | 0.104    | 0.102    | 0.101    |
| Dilution Factor, as the ratio of dir to spk             | (ratio) | 9.6 : 1  | 9.9 : 1  | 9.9 : 1  |
| Expected Concentration of the HCHO Spike+Native, CS     | (ppmvw) | 2.5236   | 2.4253   | 2.4270   |
| Method 320 Spiked / Expected HCHO                       | %       | 72.71    | 84.03    | 91.48    |
| Method 320 Passing HCHO (70-130%)                       |         | YES      | YES      | YES      |

Voltagrid  
March 2, 2026  
SAT-1 EGU  
FTIR Example Calculations

**Method 320 Equation 3, Dilution Factor (DF)**

*(example calculation for Trial #1, where applicable)*

$$DF = \frac{SF_6(\text{spk})}{SF_6(\text{dir})} = \frac{(SF_6(\text{spk}+\text{native}) - SF_6(\text{native}))}{SF_6(\text{dir})} \text{ OR } \frac{(CO_2(\text{native}) - CO_2(\text{spk}+\text{native}))}{CO_2(\text{native})}$$

$$DF (CO_2) = \frac{4.6135 - 4.1346 \text{ ppmvw}}{4.61 \text{ ppmvw}} = 0.1038$$

**Test Method 320, Section 9.0 Quality Control**

Where,

$SF_{6(\text{dir})}$  =  $SF_6$  (or tracer gas) concentration measured directly in undiluted spike gas

$SF_{6(\text{spk})}$  = Diluted  $SF_6$  (or tracer gas) concentration measured in a spiked sample

$$SF_{6(\text{spk})} = SF_{6(\text{spk}+\text{native})} - SF_{6(\text{native})}$$

$SF_{6(\text{spk}+\text{native})}$  = Diluted  $SF_6$  (or tracer gas) concentration measured in a spiked sample in stack gas

$SF_{6(\text{native})}$  =  $SF_6$  (or tracer gas) concentration measured in a native stack gas sample

Unspike = Native concentration of analytes in unspiked samples

$Spike_{\text{dir}}$  = Concentration of the analyte in the spike standard measured by filling the FTIR cell directly

**Dilution Factor Ratio**

*(example calculation for Trial #1, where applicable)*

$$DF \text{ Ratio} = \frac{SF_6(\text{dir})}{SF_6(\text{spk})} = \frac{SF_6(\text{dir})}{(SF_6(\text{spk}+\text{native}) - SF_6(\text{native}))} \text{ OR } \frac{CO_2(\text{native})}{CO_2(\text{native}) - CO_2(\text{spk}+\text{native})} \geq 10$$

$$DF \text{ Ratio} = \frac{4.61 \text{ ppmvw}}{4.6135 - 4.1346 \text{ ppmvw}} =$$

$$Spike \text{ Ratio} = 9.6 : 1$$

**Method 320 Equation 4 [Method 321 Equation 2], Excepted Concentration of the Spiked Samples**

**Ideal Spike Yield**

*(example calculation for Trial #1 (HCHO), where applicable)*

$$CS = DF \times Spike_{\text{dir}} + Unspike (1 - DF)$$

$$CS = 0.1038 \times 22.1404 \text{ ppmvw} + 0.2514 \text{ ppmvw} \times [1 - 0.1038] = 2.5236 \text{ ppmvw}$$

**Method 320 Spiked vs Expected**

$$Spiked \text{ vs Expected} = \frac{\text{Actual Spike Yield}}{\text{Ideal Spike Yield}} \times 100 \quad \text{(example calculation for Trial \#1 (HCHO), where applicable)}$$

$$\% \text{ Recovery} = \frac{1.8350 \text{ ppmvw}}{2.5236 \text{ ppmvw}} \times 100 = 72.713 \%$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

Voltagrid  
March 2, 2026  
SAT-1 EGU  
FTIR Example Calculations

**Method 320 Equation 3, Dilution Factor (DF)**

*(example calculation for Trial #2, where applicable)*

$$DF = \frac{SF_6(spik)}{SF_6(dir)} = \frac{(SF_6(spik+native) - SF_6(native))}{SF_6(dir)} \text{ OR } \frac{(CO_2(native) - CO_2(spik+native))}{CO_2(native)}$$

$$DF (CO_2) = \frac{4.6024 - 4.1352 \text{ ppmvw}}{4.60 \text{ ppmvw}} = 0.1015$$

**Test Method 320, Section 9.0 Quality Control**

Where,

$SF_{6(dir)}$  =  $SF_6$  (or tracer gas) concentration measured directly in undiluted spike gas

$SF_{6(spik)}$  = Diluted  $SF_6$  (or tracer gas) concentration measured in a spiked sample

$$SF_{6(spik)} = SF_{6(spik+native)} - SF_{6(native)}$$

$SF_{6(spik+native)}$  = Diluted  $SF_6$  (or tracer gas) concentration measured in a spiked sample in stack gas

$SF_{6(native)}$  =  $SF_6$  (or tracer gas) concentration measured in a native stack gas sample

**Dilution Factor Ratio**

*(example calculation for Trial #2, where applicable)*

$$DF \text{ Ratio} = \frac{SF_6(dir)}{SF_6(spik)} = \frac{SF_6(dir)}{(SF_6(spik+native) - SF_6(native))} \text{ OR } \frac{CO_2(native)}{CO_2(native) - CO_2(spik+native)} \geq 10$$

$$DF \text{ Ratio} = \frac{4.60 \text{ ppmvw}}{4.6024 - 4.1352 \text{ ppmvw}} =$$

$$Spike \text{ Ratio} = 9.9 : 1$$

Unspike = Native concentration of analytes in unspiked samples

$Spike_{dir}$  = Concentration of the analyte in the spike standard measured by filling the FTIR cell directly

**Method 320 Equation 4 [Method 321 Equation 2], Excepted Concentration of the Spiked Samples**

**Ideal Spike Yield**

*(example calculation for Trial #2 (HCHO), where applicable)*

$$CS = DF \times Spike_{dir} + Unspike (1 - DF)$$

$$CS = 0.1015 \times 22.1404 \text{ ppmvw} + 0.1978 \text{ ppmvw} \times [1 - 0.1015] = 2.4253 \text{ ppmvw}$$

**Method 320 Spiked vs Expected**

$$Spiked \text{ vs Expected} = \frac{Actual \text{ Spike Yield}}{Ideal \text{ Spike Yield}} \times 100 \quad (example \text{ calculation for Trial \#2 (HCHO), where applicable})$$

$$\% \text{ Recovery} = \frac{2.0379 \text{ ppmvw}}{2.4253 \text{ ppmvw}} \times 100 = 84.026 \%$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

Voltagrid  
March 2, 2026  
SAT-1 EGU  
FTIR Example Calculations

**Method 320 Equation 3, Dilution Factor (DF)**

*(example calculation for Trial #3, where applicable)*

$$DF = \frac{SF_6(spik)}{SF_6(dir)} = \frac{(SF_6(spik+native) - SF_6(native))}{SF_6(dir)} \text{ OR } \frac{(CO_2(native) - CO_2(spik+native))}{CO_2(native)}$$

$$DF (CO_2) = \frac{4.6121 - 4.1461 \text{ ppmvw}}{4.61 \text{ ppmvw}} = 0.1010$$

**Test Method 320, Section 9.0 Quality Control**

Where,

$SF_{6(dir)}$  =  $SF_6$  (or tracer gas) concentration measured directly in undiluted spike gas

$SF_{6(spik)}$  = Diluted  $SF_6$  (or tracer gas) concentration measured in a spiked sample

$$SF_{6(spik)} = SF_{6(spik+native)} - SF_{6(native)}$$

$SF_{6(spik+native)}$  = Diluted  $SF_6$  (or tracer gas) concentration measured in a spiked sample in stack gas

$SF_{6(native)}$  =  $SF_6$  (or tracer gas) concentration measured in a native stack gas sample

Unspike = Native concentration of analytes in unspiked samples

Spike<sub>dir</sub> = Concentration of the analyte in the spike standard measured by filling the FTIR cell directly

**Dilution Factor Ratio**

*(example calculation for Trial #3, where applicable)*

$$DF \text{ Ratio} = \frac{SF_6(dir)}{SF_6(spik)} = \frac{SF_6(dir)}{(SF_6(spik+native) - SF_6(native))} \text{ OR } \frac{CO_2(native)}{CO_2(native) - CO_2(spik+native)} \geq 10$$

$$DF \text{ Ratio} = \frac{4.61 \text{ ppmvw}}{4.6121 - 4.1461 \text{ ppmvw}} =$$

$$\text{Spike Ratio} = 9.9 : 1$$

**Method 320 Equation 4 [Method 321 Equation 2], Excepted Concentration of the Spiked Samples**

**Ideal Spike Yield**

*(example calculation for Trial #3 (HCHO), where applicable)*

$$CS = DF \times \text{Spike}_{dir} + \text{Unspike} (1 - DF)$$

$$CS = 0.1010 \times 22.1404 \text{ ppmvw} + 0.2115 \text{ ppmvw} \times [1 - 0.1010] = 2.4270 \text{ ppmvw}$$

**Method 320 Spiked vs Expected**

$$\text{Spiked vs Expected} = \frac{\text{Actual Spike Yield}}{\text{Ideal Spike Yield}} \times 100 \quad \text{(example calculation for Trial #3 (HCHO), where applicable)}$$

$$\% \text{ Recovery} = \frac{2.2203 \text{ ppmvw}}{2.4270 \text{ ppmvw}} \times 100 = 91.482 \%$$

Note: Lack of significant figures may cause rounding errors between actual calculations and example calculations.

**APPENDIX E**  
**FUEL ANALYSIS RECORDS**

**Client:** VoltaGrid, LLC  
**Location:** SAT-1 EGU  
**Date:** March 2, 2026  
**Project #:** volt-26-sanantonio.tx-start#3

# **Natural Gas - Fuel Analysis**

Standardized to 68 deg F and 14.696 psia - EPA Standards

| Gas Component    |                                 | Mole (%)       | Molecular <sup>1</sup><br>Weight<br>(lb/lb-mole) | Lbs<br>Component<br>per Lb-Mole<br>of Gas | Wt. % of<br>Component | Ideal Gross <sup>1,3</sup><br>Heating Value<br>(Btu/ft <sup>3</sup> ) | Fuel Heat<br>Value [HHV]<br>(Btu/SCF) | Ideal Net <sup>1,3</sup><br>Heating Value<br>(Btu/ft <sup>3</sup> ) | Fuel Heat<br>Value [LHV]<br>(Btu/SCF) |
|------------------|---------------------------------|----------------|--------------------------------------------------|-------------------------------------------|-----------------------|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|---------------------------------------|
| Methane          | CH <sub>4</sub>                 | 95.978         | 16.0430                                          | 15.40                                     | 92.71                 | 994.85                                                                | 954.83                                | 895.75                                                              | 859.72                                |
| Ethane           | C <sub>2</sub> H <sub>6</sub>   | 1.820          | 30.0700                                          | 0.55                                      | 3.29                  | 1,743.15                                                              | 31.72                                 | 1,594.41                                                            | 29.02                                 |
| Propane          | C <sub>3</sub> H <sub>8</sub>   | 0.076          | 44.0970                                          | 0.03                                      | 0.20                  | 2,478.35                                                              | 1.87                                  | 2,280.17                                                            | 1.72                                  |
| iso-Butane       | iC <sub>4</sub> H <sub>10</sub> | 0.005          | 58.1230                                          | 0.00                                      | 0.02                  | 3,203.11                                                              | 0.16                                  | 2,955.38                                                            | 0.15                                  |
| n-Butane         | nC <sub>4</sub> H <sub>10</sub> | 0.011          | 58.1230                                          | 0.01                                      | 0.04                  | 3,213.35                                                              | 0.34                                  | 2,965.62                                                            | 0.31                                  |
| Iso-Pentane      | iC <sub>5</sub> H <sub>12</sub> | 0.002          | 72.1500                                          | 0.00                                      | 0.01                  | 3,940.87                                                              | 0.06                                  | 3,643.50                                                            | 0.06                                  |
| n-Pentane        | nC <sub>5</sub> H <sub>12</sub> | 0.001          | 72.1500                                          | 0.00                                      | 0.01                  | 3,948.75                                                              | 0.06                                  | 3,648.32                                                            | 0.05                                  |
| Hexanes          | C <sub>6</sub> H <sub>14</sub>  | 0.006          | 86.1770                                          | 0.01                                      | 0.03                  | 4,684.54                                                              | 0.28                                  | 4,337.82                                                            | 0.26                                  |
| Heptanes         | C <sub>7</sub> H <sub>16</sub>  | 0.000          | 100.2040                                         | 0.00                                      | 0.00                  | 5,419.94                                                              | 0.00                                  | 5,023.77                                                            | 0.00                                  |
| Octanes          | C <sub>8</sub> H <sub>18</sub>  | 0.000          | 114.2310                                         | 0.00                                      | 0.00                  | 6,155.14                                                              | 0.00                                  | 5,709.23                                                            | 0.00                                  |
| Carbon Dioxide   | CO <sub>2</sub>                 | 0.155          | 44.0100                                          | 0.07                                      | 0.41                  | 0.00                                                                  | 0.00                                  | 0.00                                                                | 0.00                                  |
| Nitrogen         | N <sub>2</sub>                  | 1.947          | 28.0134                                          | 0.55                                      | 3.28                  | 0.00                                                                  | 0.00                                  | 0.00                                                                | 0.00                                  |
| Hydrogen Sulfide | H <sub>2</sub> S                | 0.000          | 34.0800                                          | 0.00                                      | 0.00                  | 627.54                                                                | 0.00                                  | 578.00                                                              | 0.00                                  |
| Oxygen           | O <sub>2</sub>                  | 0.000          | 31.9988                                          | 0.00                                      | 0.00                  | 0.00                                                                  | 0.00                                  | 0.00                                                                | 0.00                                  |
| Helium           | He                              | 0.000          | 4.0026                                           | 0.00                                      | 0.00                  | 0.00                                                                  | 0.00                                  | 0.00                                                                | 0.00                                  |
| Hydrogen         | H <sub>2</sub>                  | 0.000          | 2.0159                                           | 0.00                                      | 0.00                  | 319.34                                                                | 0.00                                  | 269.82                                                              | 0.00                                  |
| <b>Totals</b>    |                                 | <b>100.000</b> |                                                  | <b>16.61</b>                              | <b>100.00</b>         | <b>dry</b>                                                            | <b>989.32</b>                         | <b>dry</b>                                                          | <b>891.29</b>                         |
|                  |                                 |                |                                                  |                                           |                       | <b>wet<sup>2,5</sup></b>                                              | <b>966.51</b>                         | <b>wet<sup>2,5</sup></b>                                            | <b>870.74</b>                         |

| Characteristics of Fuel Gas        |            |             |
|------------------------------------|------------|-------------|
| Molecular Weight of gas =          | 16.608     | lb/lb-mole  |
| Btu per lb. of gas <sup>4</sup> =  | 22,947.257 | gross (HHV) |
| Btu per lb. of gas <sup>4</sup> =  | 20,673.471 | net (LHV)   |
| Density of fuel gas <sup>2</sup> = | 0.0431     | lb/cu. ft   |
| Wt % VOC in fuel gas =             | 0.30       | %           |
| Specific Gravity <sup>1</sup> =    | 0.5734     |             |

| Component    | Wt%           |
|--------------|---------------|
| carbon       | 72.40         |
| oxygen       | 0.30          |
| hydrogen     | 24.02         |
| nitrogen     | 3.28          |
| helium       | 0.00          |
| sulfur       | 0.00          |
| <b>Total</b> | <b>100.00</b> |

**F-Factor (SCF dry exhaust per MMBtu [HHV]) = 8,650.91**  
 (Based on EPA RM-19) at 68 deg F and 14.696 psia

## **F-Factor Calculation:**

$$\text{F-Factor} = 1,000,000 * ((3.64 * \%H) + (1.53 * \%C) + (0.57 * \%S) + (0.14 * \%N) - (0.46 * \%O)) / \text{GCV}$$

GCV = Gross Btu per lb. of gas (HHV)

%H, %C, %S, %N, & %O are percent weight values calculated from fuel analysis and have units of (scf/lb)/%

Density of natural gas based on specific gravity multiplied by density of air at 68 deg F and 14.696 psia.

## **References:**

<sup>1</sup> ASTM D 3588

<sup>2</sup> Civil Engineering Reference Manual, 7th ed. - Michael R. Lindeburg

<sup>3</sup> Mark's Standard Handbook for Mechanical Engineers, 10th ed. - Eugene A. Avallone, Theodore Baumeister III

<sup>4</sup> Introduction to Fluid Mechanics, 3rd ed. - William S. Janna

<sup>5</sup> GPA Reference Bulletin 181-86, revised 1986, reprinted 1995

|       |        |         |        |        |         |        |         | Iso    |        | Iso    |        | Neo    |         |        |         |        |        |        |                |  |
|-------|--------|---------|--------|--------|---------|--------|---------|--------|--------|--------|--------|--------|---------|--------|---------|--------|--------|--------|----------------|--|
| Time  | Btu    | Gravity | Co2    | N2     | Methane | Ethane | Propane | Butane | Butane | Pntn   | Pntn   | Pntn   | C6 Plus | Hexane | Heptane | Octane | Nonane | Decane | HCDP           |  |
| 09:00 | 1008.6 | 0.5747  | 0.1977 | 1.9211 | 95.9149 | 1.8928 | 0.0572  | 0.0038 | 0.0069 | 0.0004 | 0.0002 | 0.0000 | 0.0050  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1010.0 | 0.5746  | 0.1745 | 1.8634 | 95.9443 | 1.9243 | 0.0729  | 0.0052 | 0.0095 | 0.0010 | 0.0002 | 0.0000 | 0.0047  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1009.4 | 0.5738  | 0.1595 | 1.8468 | 96.0928 | 1.8164 | 0.0654  | 0.0048 | 0.0088 | 0.0008 | 0.0002 | 0.0000 | 0.0045  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1009.5 | 0.5740  | 0.1742 | 1.8350 | 96.0865 | 1.8124 | 0.0680  | 0.0054 | 0.0107 | 0.0019 | 0.0009 | 0.0000 | 0.0050  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1010.7 | 0.5747  | 0.1854 | 1.8183 | 95.9645 | 1.9213 | 0.0842  | 0.0058 | 0.0114 | 0.0021 | 0.0014 | 0.0000 | 0.0056  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1010.2 | 0.5748  | 0.1695 | 1.8813 | 95.9042 | 1.9432 | 0.0763  | 0.0055 | 0.0115 | 0.0020 | 0.0013 | 0.0000 | 0.0052  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1009.2 | 0.5748  | 0.1399 | 1.9811 | 95.8279 | 1.9797 | 0.0551  | 0.0037 | 0.0079 | 0.0005 | 0.0004 | 0.0000 | 0.0038  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1009.1 | 0.5744  | 0.1333 | 1.9650 | 95.9113 | 1.9120 | 0.0610  | 0.0039 | 0.0084 | 0.0004 | 0.0002 | 0.0000 | 0.0045  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1011.9 | 0.5764  | 0.1695 | 1.9285 | 95.7374 | 1.9733 | 0.1257  | 0.0123 | 0.0268 | 0.0063 | 0.0066 | 0.0000 | 0.0136  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1011.8 | 0.5759  | 0.1711 | 1.8895 | 95.8278 | 1.9431 | 0.1062  | 0.0099 | 0.0220 | 0.0062 | 0.0066 | 0.0000 | 0.0176  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1010.0 | 0.5745  | 0.1459 | 1.8995 | 95.9323 | 1.9308 | 0.0685  | 0.0046 | 0.0095 | 0.0012 | 0.0011 | 0.0000 | 0.0066  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1012.9 | 0.5766  | 0.1613 | 1.8958 | 95.7199 | 2.0195 | 0.1328  | 0.0129 | 0.0282 | 0.0068 | 0.0072 | 0.0000 | 0.0156  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1007.7 | 0.5735  | 0.1486 | 1.9422 | 96.0946 | 1.7471 | 0.0546  | 0.0030 | 0.0060 | 0.0003 | 0.0002 | 0.0000 | 0.0034  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1005.6 | 0.5735  | 0.1486 | 2.0632 | 96.0462 | 1.6957 | 0.0404  | 0.0017 | 0.0034 | 0.0000 | 0.0000 | 0.0000 | 0.0008  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1005.6 | 0.5731  | 0.1445 | 2.0310 | 96.1393 | 1.6363 | 0.0406  | 0.0021 | 0.0043 | 0.0001 | 0.0000 | 0.0000 | 0.0018  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.1 | 0.5738  | 0.1592 | 1.9334 | 96.0488 | 1.7831 | 0.0604  | 0.0037 | 0.0073 | 0.0004 | 0.0001 | 0.0000 | 0.0036  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1007.7 | 0.5736  | 0.1484 | 1.9452 | 96.0800 | 1.7614 | 0.0502  | 0.0030 | 0.0061 | 0.0005 | 0.0006 | 0.0000 | 0.0046  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.0 | 0.5737  | 0.1529 | 1.9362 | 96.0402 | 1.8127 | 0.0466  | 0.0025 | 0.0050 | 0.0000 | 0.0000 | 0.0000 | 0.0039  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1007.6 | 0.5735  | 0.1430 | 1.9509 | 96.0849 | 1.7652 | 0.0458  | 0.0022 | 0.0042 | 0.0000 | 0.0000 | 0.0000 | 0.0038  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.1 | 0.5736  | 0.1263 | 1.9612 | 96.0435 | 1.8025 | 0.0540  | 0.0029 | 0.0059 | 0.0001 | 0.0000 | 0.0000 | 0.0036  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.5 | 0.5732  | 0.1269 | 1.8998 | 96.1902 | 1.6850 | 0.0720  | 0.0056 | 0.0119 | 0.0018 | 0.0018 | 0.0000 | 0.0050  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.0 | 0.5738  | 0.1341 | 1.9704 | 96.0194 | 1.8126 | 0.0507  | 0.0027 | 0.0055 | 0.0004 | 0.0002 | 0.0000 | 0.0040  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1010.6 | 0.5749  | 0.1447 | 1.9016 | 95.9939 | 1.7921 | 0.1120  | 0.0100 | 0.0226 | 0.0055 | 0.0058 | 0.0000 | 0.0118  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.3 | 0.5732  | 0.1372 | 1.8957 | 96.2748 | 1.5545 | 0.0907  | 0.0089 | 0.0193 | 0.0045 | 0.0038 | 0.0000 | 0.0106  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.0 | 0.5733  | 0.1507 | 1.8982 | 96.2777 | 1.5278 | 0.0980  | 0.0092 | 0.0199 | 0.0045 | 0.0039 | 0.0000 | 0.0101  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1009.5 | 0.5763  | 0.2096 | 2.0013 | 95.7672 | 1.8173 | 0.1581  | 0.0102 | 0.0206 | 0.0038 | 0.0031 | 0.0000 | 0.0088  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1009.2 | 0.5755  | 0.1537 | 2.0325 | 95.7470 | 1.9312 | 0.1188  | 0.0045 | 0.0079 | 0.0002 | 0.0000 | 0.0000 | 0.0042  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1008.2 | 0.5754  | 0.1605 | 2.0695 | 95.7547 | 1.9006 | 0.0954  | 0.0043 | 0.0091 | 0.0009 | 0.0004 | 0.0000 | 0.0046  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1007.3 | 0.5745  | 0.1480 | 2.0566 | 95.9057 | 1.7972 | 0.0779  | 0.0034 | 0.0067 | 0.0003 | 0.0002 | 0.0000 | 0.0040  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1005.8 | 0.5737  | 0.1500 | 2.0716 | 96.0230 | 1.6933 | 0.0520  | 0.0023 | 0.0043 | 0.0001 | 0.0001 | 0.0000 | 0.0033  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| 09:00 | 1005.5 | 0.5736  | 0.1492 | 2.0854 | 96.0336 | 1.6686 | 0.0541  | 0.0024 | 0.0047 | 0.0000 | 0.0000 | 0.0000 | 0.0020  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| AVG:  | 1008.8 | 0.5744  | 0.1551 | 1.9473 | 95.9775 | 1.8198 | 0.0756  | 0.0051 | 0.0106 | 0.0016 | 0.0014 | 0.0000 | 0.0059  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000         |  |
| GPM:  |        |         |        |        |         | 0.4875 | 0.0209  | 0.0017 | 0.0033 | 0.0006 | 0.0005 | 0.0000 | 0.0026  |        | 0.0000  | 0.0000 | 0.0000 | 0.0000 | TOTAL GPM: 0.5 |  |

**this page intentionally left blank**  
**end of report**