February 20, 2026

Kansas Department of Health and Environment
Bureau of Waste Management
1000 SW Jackson Street, Suite 400
Topeka, KS 66612-1367
Attention: Heather Merritt

RE: Ambient Air Monitoring Activities – 1/22/2026
City of Galena Construction and Demolition Landfill
KDHE Permit No. 738
Galena, Cherokee County, Kansas

Dear Ms. Merritt,

Air monitoring was conducted on January 22, 2026, according to the Ambient Air Monitoring Protocol dated October 6, 2025, and approved by KDHE on October 29, 2025. The protocol, following Kansas Administrative Regulations (K.A.R.) 28-29-333(b)(1), included the use of a Jerome J605 to monitor hydrogen sulfide (H_2S) in parts per billion (ppb) and a Landtec GEM5000 to monitor methane (CH_4) concentrations as a percent of the lower explosive limit (LEL). These two instruments were calibrated prior to use, and a prevailing east wind determined the monitoring locations. A Kestrel 4000 was used on site as a handheld weather meter to determine wind speed, temperature, humidity, dew point, and barometric pressure. A handheld Garmin GPS device was utilized to document the location of each sampling event along the landfill property boundary.

One location was monitored on the upwind (east) side of the landfill boundary as a background location, and a total of three additional locations were monitored along the west side of the property from the northwest to the southwest. The H_2S readings were taken every minute for 15 minutes, and the Time Weighted Average (TWA) was documented as the average of the 15 readings from each location. The east (upwind) location registered no H_2S readings during the sampling; however, the three downwind samples west of the landfill exhibited individual readings ranging from 0.00 to 11.17 ppb, with the center location (Sample ID 26012203) exhibiting the highest 15-minute TWA of 2.00 ppb.

No sampling locations registered methane concentrations above 0.0%. A site map is included as an attachment to this letter, and the tables attached below exhibit the air monitoring data (Table 1) and the location and weather conditions (Table 2) of each sampling location. Calibration certificates/reports for both the Jerome J605 and GEM500 instruments are included as an attachment to this letter.

TriCore appreciates your time and consideration on this matter. If you have questions, comments, or need additional information, please do not hesitate to contact the undersigned.

Sincerely,

TriCore Group, LLC

Greg A. Vance Joe Paul Edwards, P.E.

Attachments: Table 1: Ambient Air Monitoring Data
Table 2: Ambient Air Monitoring Location, Weather, and Observations
Figure 1: Air Monitoring Locations
Instrument Calibration Documents

Cc: Ashley Groves – City of Galena
Michelle Murphy – Jordan Disposal
Mads Gisselbaek – Jordan Disposal

C&D Landfill (No. 738) Ambient Air Monitoring Data

Table 1: Ambient Air Monitoring Data

Sample ID	Date	Time	Individual H_2S Readings														H_2S TWA	CH_4
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
26012201	1/22/26	1240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00000	0.0
26012202	1/22/26	1316	0	0	0.00301	0	0	0	0	0	0	0	0	0	0	0	0	0.00020	0.0
26012203	1/22/26	1345	0	0	0	0	0	0.00429	0.00361	0	0.00588	0.01117	0.00504	0	0	0	0	0.00200	0.0
26012204	1/22/26	1410	0	0	0	0	0	0	0	0	0	0	0	0	0.00474	0	0	0.00032	0.0
26012205	1/22/26	1452	0															n/a	0.0

*The H_2S (hydrogen sulfide) results are reported in parts per million (ppm), and the TWA (Time Weighted Average) results are rounded to the nearest 0.00001 ppm, as the Jerome J605 displays H2S readings to the one hundred-trillionth (e.g. Reading "03" on Sample 26012202 read as "3.01 ppb" on the monitor).
**The CH_4 (methane) results are reported as a percentage of the lower explosive limit (LEL).

Table 2: Ambient Air Monitoring Location, Weather, and Observations

Sample ID	Date	Time	Latitude	Longitude	Wind Direction	Wind Speed (mph)	Temp. (F)	Humidity (%)	Dew Point	Barometric Pressure	Odor Observations
26012201	1/22/26	1240	37.079977	-94.627188	E	3	48	19.2	17.0	29.25	No noticeable odor
26012202	1/22/26	1316	37.081405	-94.635748	E	3	49.0	21.9	19.6	29.24	Intermittent light sulfur odor
26012203	1/22/26	1345	37.080379	-94.635479	E	7	50	25.2	20.5	29.23	Intermittent sulfur odor, stronger at times
26012204	1/22/26	1410	37.079489	-94.635045	ESE	5	50	26.2	19.5	29.21	Intermittent light sulfur odor, decomposing waste odor
26012205	1/22/26	1452	Scalehouse		n/a	n/a	n/a	n/a	n/a	n/a	No noticeable odor

*Each weather reading is reported as: Wind Speed = miles per hour, Temperature & Dew Point = degrees Fahrenheit, Humidity = percentage, and Barometric Pressure = inches of mercury

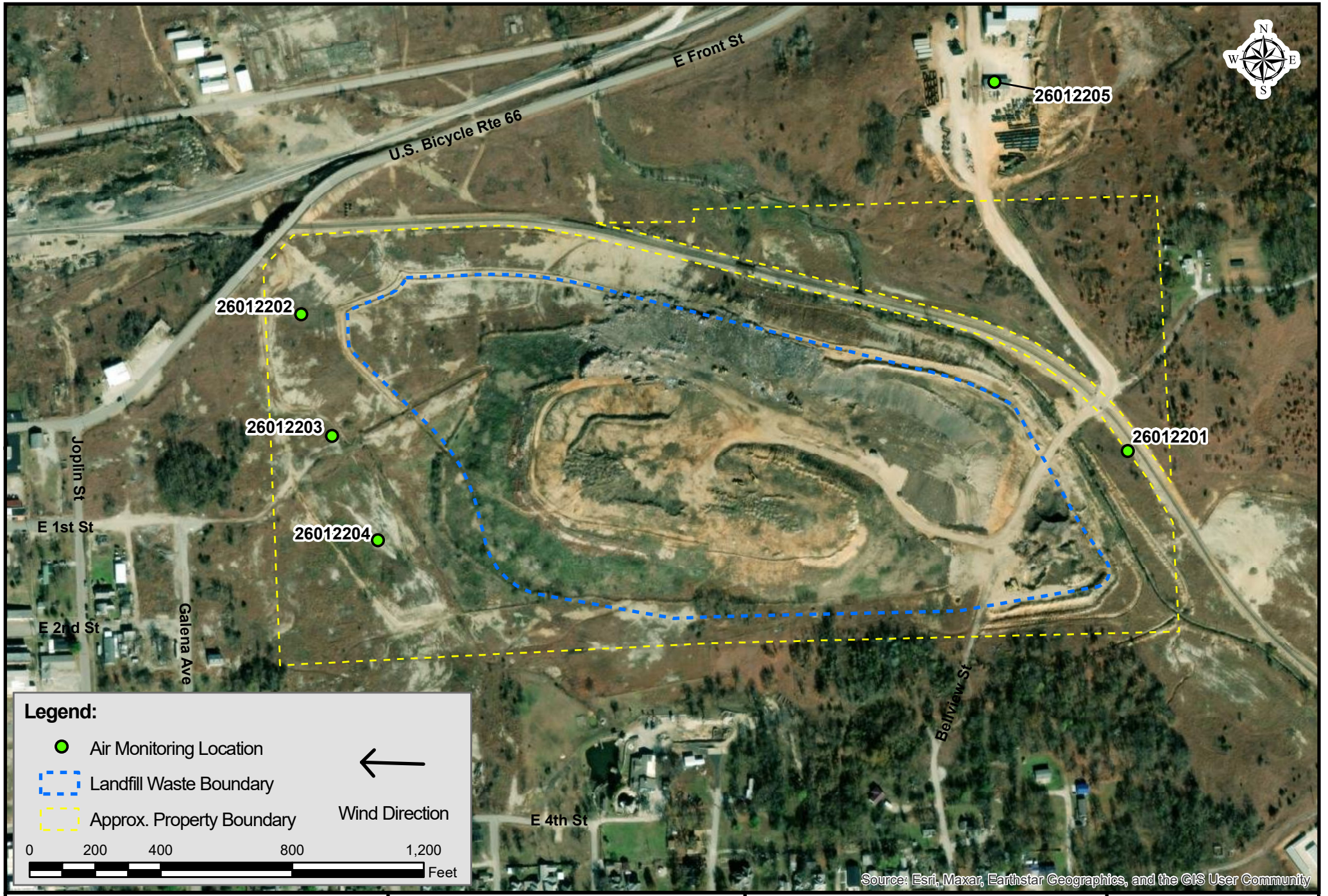

FIGURE 1
AMBIENT AIR MONITORING
JORDAN DISPOSAL LANDFILL
AIR MONITORING LOCATIONS 1.22.26

TRICORE

TriCore Group, LLC
PO Box 720992
Oklahoma City, OK 73172
405-256-2277
www.tricoregrp.com

Address:
1040 East Front Street
Galena, KS 66739

County: Cherokee
Lat: 37.083115
Long: -94.62861

Drafted by SCM
Date: 1/23/26
Project #26C1KS-010

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 22232
Description Arizona Jerome J605 Hydrogen Sulfide Analyzer
Calibrated 1/20/2026 2:10:56PM

Manufacturer	Arizona	**State Certified**	
Model Number	J605	**Status**	Pass
Serial Number/ Lot Number	60500188	**Temp °C**	22.7
Location	New Jersey	**Humidity %**	43
Department			

Calibration Specifications

Group # 1
Group Name Operational Check / Regen / Zero Check
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Michael Kuehn

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

ISO 9001:2015 CERTIFIED
BROOKFIELD
AMETEK
INSTRUMENTATION & SPECIALTY CONTROLS DIVISION

INSTRUMENTATION & SPECIALTY CONTROLS DIVISION
11 Commerce Blvd. | Middleboro, MA 02346
P: 508.946.6200 | F: 508.946.6262

CERTIFICATE NUMBER 381208

CUSTOMER NAME PINE ENVIRONMENTAL
ADDRESS 92 N MAIN ST
BLDG 20
WINDSOR NJ 08561
USA

CERTIFICATE OF INSTRUMENT CALIBRATION

MODEL	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
J605-0001	60500188	9/24/2025	9/23/2026

To the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques. Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, AMETEK Brookfield WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications. This document shall not be reproduced, except in full, without the written approval of AMETEK Brookfield.

REFERENCE EQUIPMENT USED TO CALIBRATE THE EQUIPMENT

TYPE/MODEL	SERIAL/LOT NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
Cal Set	CC240536	2/21/2024	2/21/2027
TYPE/MODEL	**SERIAL/LOT NUMBER**	**CALIBRATION DATE**	**CALIBRATION DUE DATE**
Alicat	124604	1/29/2025	1/30/2026
TYPE/MODEL	**SERIAL/LOT NUMBER**	**CALIBRATION DATE**	**CALIBRATION DUE DATE**
Alicat	124602	1/29/2025	1/30/2026
TYPE/MODEL	**SERIAL/LOT NUMBER**	**CALIBRATION DATE**	**CALIBRATION DUE DATE**
Fluke	95640975	8/11/2025	8/11/2026

NIST TRACE # SRM 2730; 65-D-035; CAL013399 **PROCEDURE #:** 730-0099

All reference equipment used to calibrate the instrument listed upon this certificate have calibrations that are traceable to the National Institute of Standards and Technology (NIST).

APPROVAL SIGNATURE

Todd Place

TODD PLACE, QUALITY ENGINEER

CALIBRATION PERFORMED BY GM

September 24, 2025
3375 N. Delaware Street, Chandler, AZ 85225
800.528.7411 Fax 602.281.1745
BrookfieldEngineering.com

J605 Incoming / Outgoing Data Sheet

MODEL	SRO NUMBER	SERIAL NUMBER
J605	S205902	60500188

INCOMING

Calibration Gas

Concentration	Allowable Range ±6% 0.47 to 0.53 ppm H2S Mean @ Saturation	≤ 3% Relative Standard Deviation
0.5000 ppm H2S	0.4513 ppm H2S	2.87%

Calibration Status as Received: **Out of Calibration.**

OUTGOING

Calibration Gas

Concentration	Allowable Range 0.47 to 0.53 ppm H2S ±6% Mean @ Saturation	≤ 5% Relative Standard Deviation
0.500 ppm H2S	0.491 ppm H2S	0.60%

Calibration Status as Left: **In Calibration.**

Estimated Uncertainty of Calibration System: 3.5%

CERTIFICATION OF CALIBRATION

PJLA Calibration No. 66916

QED

Date Of Calibration: 14-Apr-2025

Certificate Number: G510154_2/38271

Issued by: QED Environmental Systems Inc.

Customer: **PINE ENVIRONMENTAL SERVICES LLC**
PO BOX 943 HEIGHTSTOWN, NJ 08520

Description:

Model: GEM5000

Serial Number: G510154

Accredited Results:

Methane (CH4)

Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.42
15.0	14.9	0.66
60.0	59.7	1.03

Carbon Dioxide (CO2)

Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.43
15.0	14.9	0.71
40.0	39.9	1.19

Oxygen (O2)

Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.3	21.3	0.25

Gas cylinders are traceable and details can be provided if requested.

CH4, CO2 readings recorded at: 32.3 °C/90.1 °F

O2 readings recorded at: 22.8 °C/73.0 °F

Barometric Pressure: 0971 mbar/28.66 "Hg

Method of Test : The analyzer is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure ISP17.

Instrument has passed calibration as the measurement result is within the specification limit. The specification limit takes into account the measurement uncertainty.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with NIST requirements.

www.qedenv.com (800) 624-2026 info@qedenv.com

QED Environmental Systems Inc. 2355 Bishop Circle West, Dexter, MI 48130

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223896
Description Landtec GEM 5000
Calibrated 1/21/2026 4:15:18PM

Manufacturer CES Landtec
Model Number GEM 5000
Serial Number/ Lot Number G510154
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Methane
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
50.0 / 50.0	%Volume	50.0	%Volume	51.9	50.0	0.00%	Pass

Group # 2
Group Name Carbon Dioxide
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
35.0 / 35.0	%Volume	35.0	%Volume	35.4	35.0	0.00%	Pass

Group # 3
Group Name Oxygen
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
20.9 / 20.9	%Volume	20.9	%Volume	19.5	20.9	0.00%	Pass

Group # 4
Group Name Hydrogen Sulfide
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
25 / 25	PPM	50	PPM	47	50	0.00%	Pass

Group # 5
Group Name Carbon Monoxide
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
50 / 50	PPM	1000	PPM	940	1,000	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223896
Description Landtec GEM 5000
Calibrated 1/21/2026 4:15:18PM

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 50 CH4/35 CO2 L#304-40288324	STL 50 CH4/35 CO2 L#304-402883248-1	Gasco	X03ME50CP50000	304-402883248-1		10/24/2027
STL GEM+ BLEND L#304-403129566-1	STL GEM+ BLEND L#304-403129566-1	Gasco	X03NI99CA340028	304-403129566-1		8/26/2026
STL ZERO AIR L#304-402796763-1	STL ZERO AIR L#304-402796763-1	Gasco	AIUZP15	304-402796763-1		9/6/2027

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

CERTIFICATION OF CALIBRATION

PJLA Calibration
No. 66916

Date Of Calibration: 14-Apr-2025

Certificate Number: G510154_2/38271

Issued by: QED Environmental Systems Inc.

Non Accredited results:

Pressure Transducers (inches of water column)					
Transducer	Certified (Low)	Reading (Low)	Certified (High)	Reading (High)	Accuracy
Static	0"	0"	40"	39.71"	2.0"
Differential	0"	0"	4"	3.84"	0.7"

Barometer (mbar)	
Reference	Instrument Reading
0971 mbar / 28.66 "Hg	0971 mbar / 28.67 "Hg

As received gas check readings:

Methane (CH4)	
Certified Gas (%)	Instrument Reading (%)
5.0	5.2
15.0	15.2
60.0	60.5

Carbon Dioxide (CO2)	
Certified Gas (%)	Instrument Reading (%)
5.0	5.0
15.0	15.0
40.0	39.3

Oxygen (O2)	
Certified Gas (%)	Instrument Reading (%)
21.3	21.6

As received Gas readings recorded at: 32.3 °C/90.1 °F
As received Barometric Pressure recorded at: 22.8 °C/73.0 °F

Date of Issue : 15 Apr 2025

Approved By Signatory

Julian Batic
Laboratory Inspection

www.qedenv.com (800) 624-2026 info@qedenv.com

QED Environmental Systems Inc. 2355 Bishop Circle West, Dexter, MI 48130