April 17, 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 – 3/20/2026
City of Galena Construction and Demolition Landfill
KDHE Permit No. 738
Galena, Cherokee County, Kansas

Dear Ms. Merritt,

Air monitoring was conducted on March 20, 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 631-X 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 south to south-southwest 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 (south) side of the landfill boundary as a background location, and a total of three additional locations were monitored downwind along the north side of the property. 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 south, northeast, and north-central locations registered no detectable H_2S concentrations ($\geq$0.003 ppm); however, the northwest location immediately downwind of the current landfill excavation (Sample ID 26032004), exhibited an intermittent odor and a 15-min. TWA concentration of 0.00153 ppm (1.53 ppb), with a peak reading of 0.007 ppm.

All sampling locations did not register any 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 631-X and GEM5000 instruments are included as attachments 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	
26032001	3/20/26	0658-0712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.0
26032002	3/20/26	0739-0753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.0
26032003	3/20/26	0808-0822	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.0
26032004	3/20/26	0827-0841	0	0	0	0	0.003	0	0	0.004	0	0	0.003	0	0.007	0.006	0	0.00153	0.0
26032005	3/20/26	0857	0															n/a	0.0

*The H_2S (hydrogen sulfide) results are reported in parts per million (ppm).
**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
26032001	3/20/26	0700-0702	37.078642	-94.631517	S	2.1	61.8	62.4	47.9	28.99	Wildfire smoke odor (ubiquitous around town), no sulfur odor
26032002	3/20/26	0745-0747	37.082193	-94.628714	SSW	2.9	63.2	59.8	48.7	29.00	Wildfire smoke odor (ubiquitous around town), no sulfur odor
26032003	3/20/26	0814-0816	37.082106	-94.630775	SSW	3.4	65.3	59.4	50.7	29.03	Wildfire smoke odor (ubiquitous around town), no sulfur odor
26032004	3/20/26	0836-0838	37.082203	-94.633688	SSW	4.8	66.5	57.6	51.4	29.03	Smolder smoke odor (different than wildfire) and intermittent sulfur odor
26022005	3/20/26	0855-0857	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

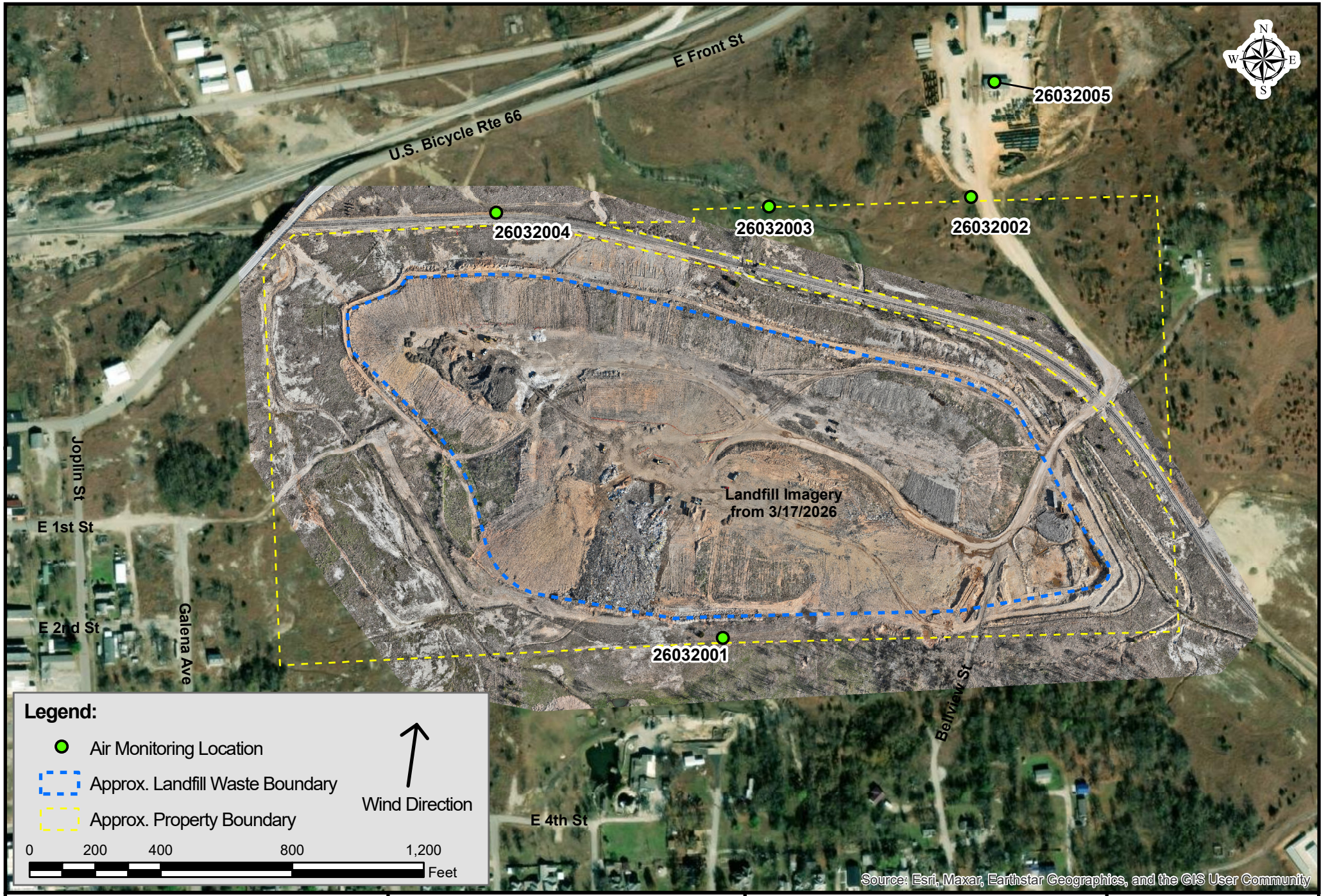

FIGURE 1
AMBIENT AIR MONITORING
JORDAN DISPOSAL LANDFILL
AIR MONITORING LOCATIONS 3.20.26

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: 3/23/26
Project #26C1KS-010

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
7136 Zionsville Road
Indianapolis, IN 46268
Ph: 317-238-3441

Pine Environmental Services, Inc.

Instrument ID 44911
Description Arizona Jerome 631-X Hydrogen Sulfide Analyzer
Calibrated 3/18/2026 11:40:09AM

Manufacturer Arizona
Model Number 631-X
Serial Number/ Lot Number 3066
Location Indianapolis
Department

State Certified
Status Pass
Temp °C 22
Humidity % 19

Calibration Specifications

Group # 1
Group Name Regeneration with Zero Filter
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	Last Cal Date/Opened Date	Next Cal Date / Expiration Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Eric Martlage

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

BROOKFIELD AMETEK

November 10, 2025
3375 N. Delaware Street, Chandler, AZ 85225
800.528.7411 Fax 602.281.1745
BrookfieldEngineering.com

X631 Incoming / Outgoing Data Sheet

MODEL	SRO NUMBER	SERIAL NUMBER
X631	S207123	3066

INCOMING

Calibration Gas
±5% of Concentration
Concentration
0.500 ppm H2S

Mean
0.501 ppm H2S
0.475 to 0.525 ppm H2S

Relative Standard Deviation
1.82%
≤ 5% ppm H2S

Calibration Status as Received: **In Calibration.**

OUTGOING

Calibration Gas
±5% of Concentration
Concentration
0.500 ppm H2S

Mean @ Saturation
0.5140 ppm H2S
0.475 to 0.525 ppm H2S

Relative Standard Deviation
1.68%
≤ 3% ppm H2S

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

Estimated Uncertainty of Calibration System: 3.5%

BROOKFIELD AMETEK
11 Commerce Blvd. | Middleboro, MA 02346
P: 508.946.6200 | F: 508.946.6262

CERTIFICATE NUMBER 383630

CUSTOMER NAME / ADDRESS
PINE ENVIRONMENTAL - HICKSVILLE
108 CHARLOTTE AVE
HICKSVILLE NY 11801
USA

CERTIFICATE OF INSTRUMENT CALIBRATION

MODEL	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
X631 0101	3066	11/10/2025	11/9/2026

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
Alicat	124604	1/29/2025	1/30/2026
Alicat	124602	1/29/2025	1/30/2026
Fluke	95640975	8/11/2025	8/11/2026

NIST TRACE # SRM 2730; 65-D-035; CAL013399 **PROCEDURE #:** 730-0040

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 MANAGER

CALIBRATION PERFORMED BY GM

CERTIFICATION OF CALIBRATION

FJLA Calibration No. 66916

QED

Date Of Calibration: 18-Sep-2025

Certificate Number: G506070_9/39602

Issued by: QED Environmental Systems Inc.

Customer: **PINE ENVIRONMENTAL SERVICES LLC**
PO BOX 943 HIGHTSTOWN NJ 08520 UNITED STATES

Description:

Model: GEM5000

Serial Number: G506070

Accredited Results:

Methane (CH4)

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

Carbon Dioxide (CO2)

Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	5.0	0.43
15.0	15.0	0.71
40.0	40.2	1.19

Oxygen (O2)

Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.0	21.1	0.25

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

CH4, CO2 readings recorded at: 33.9 °C/93.1 °F

O2 readings recorded at: 23.8 °C/74.8 °F

Barometric Pressure: 0983 mbar/29.02 "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.

Calibration Instance: 118 IGC Instance: 118

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

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

CERTIFICATION OF CALIBRATION

PJLA Calibration No. 66916

QED

Certificate Number: G506070_9/39602

Date Of Calibration: 18-Sep-2025

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"	40.16"	2.0"
Differential	0"	0"	4"	4.06"	0.7"

Barometer (mbar)	
Reference	Instrument Reading
0983 mbar / 29.02 "Hg	0984 mbar / 29.07 "Hg

Additional Gas Cells		
Gas	Certified Gas (ppm)	Instrument Reading (ppm)
H_2S	250	250
CO/H_2 COMP	499	498

As received gas check readings:

Methane (CH4)	
Certified Gas (%)	Instrument Reading (%)
5.0	94.8
15.0	84.0
60.0	80.0

Carbon Dioxide (CO2)	
Certified Gas (%)	Instrument Reading (%)
5.0	5.2
15.0	16.0
40.0	42.6

Oxygen (O2)	
Certified Gas (%)	Instrument Reading (%)
21.0	20.1

As received Gas readings recorded at: 33.9 °C/93.1 °F

As received Barometric Pressure recorded at: 23.8 °C/74.8 °F

As received gas check readings are only recorded if the instrument is received in a working condition.
Where the instrument is received damaged no reading can be taken.

Sarah Schultz

Calibration Instance: 118 IGC Instance: 118

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

Pine Environmental Services, Inc.

Instrument ID 44978
Description GEM5000
Calibrated 3/17/2026 12:21:55PM

Manufacturer CES Landtec
Model Number 5000
Serial Number/ Lot Number G506070
Location Illinios
Department

State Certified
Status Pass
Temp °C 19
Humidity % 22

Calibration Specifications

Group # 1
Group Name CH4
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	49.2	50.0	0.00%	Pass

Group # 2
Group Name CO2
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	34.4	35.0	0.00%	Pass

Group # 3
Group Name CO
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
1000 / 1000	PPM	1000	PPM	1,015	1,000	0.00%	Pass

Group # 4
Group Name H2S
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	50	PPM	50	50	0.00%	Pass

Group # 5
Group Name Oxygen (O2)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
20.90 / 20.90	%Volume	20.90	%Volume	20.70	20.90	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

Pine Environmental Services, Inc.

Instrument ID 44978
Description GEM5000
Calibrated 3/17/2026 12:21:55PM

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
IL GEM CH4 50% CO2 35%	IL GEM CH4 50% CO2 35% (31803) 103L	Airgas	# 9	304-403463525 -1	3/5/2026	10/15/2030
IL GEM CO 1000PPM, H2S 50PPM	IL GEM CO 1000PPM, H2S 50PPM (32278) 34L	Airgas	# 10	304-403463375 -1	3/5/2026	10/15/2027

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Ivan Guerrero

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