Dust Monitoring Compliance Thursday, September 14, 2023

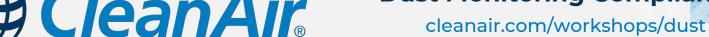
Morning Program

9:00	Welcome	10:45	Intro to Site Contribution Analysis and
9:05	Overview and Updates of CDPH Regulatory and		Aeroqual's Site Contribution Tool
	Community Air Monitoring Approaches		Connor Porter, Aeroqual
	Michael Enos, CDPH	11:10	New Developments for Special Applications
9:40 10:05	Regional and National Regulatory Overview		Don Allen and Volker Schmid, CleanAir
	Brian Newgent and Claire Amin, Aeroqual Monitoring Program Design and Data Analysis Considerations Volker Schmid, CleanAir	11:35 12:00	Top 10 Support Questions
			Don Allen, CleanAir, and Connor Porter, Aeroqual
			LUNCH
10:30	BREAK		



Dust Monitoring Compliance

(#) CleanAir



- Photoionization Detector (PID): sensitive, non-speciating detector.
- Does NOT respond to methane, ethane, or propane

AEROQUAL TOTAL VOC MONITOR

- Responds to a large variety of inorganic and organic compounds including BTEX
- Lower Detection Limit: 1 ppb (Isobutylene)
- Automatic baseline correction to correct for cross interferences and minimize drift
- Actively pumped and supports conventional QA (bump test) with zero and span gas)



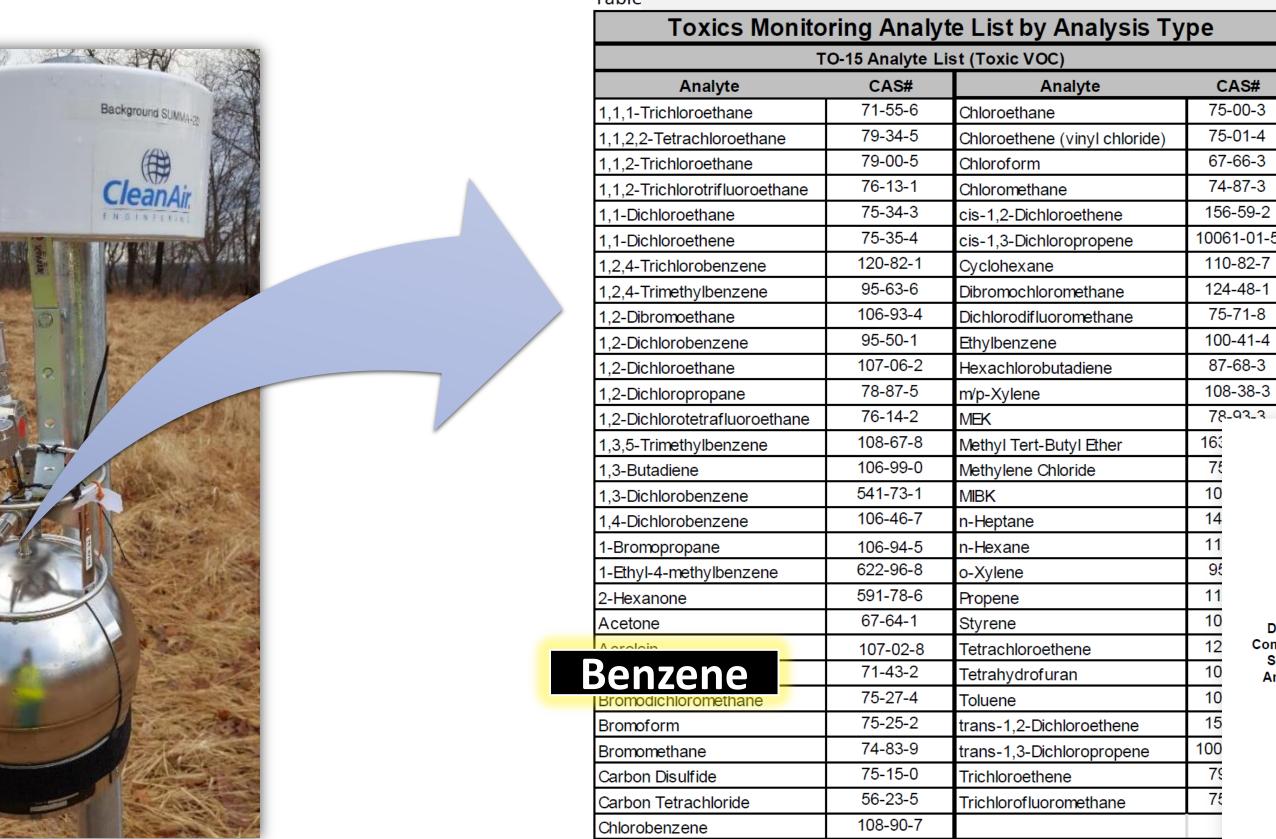
Dust Monitoring Compliance

cleanair.com/workshops/dust

(#) CleanAir.

Table

VOC SPECIATION



EPA/625/R-96/010

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air

Second Edition

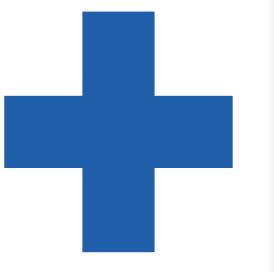
Compendium Method TO-15

Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/ Mass Spectrometry (GC/MS)

Office of Research and Development
U.S. Environmental Protection Agency



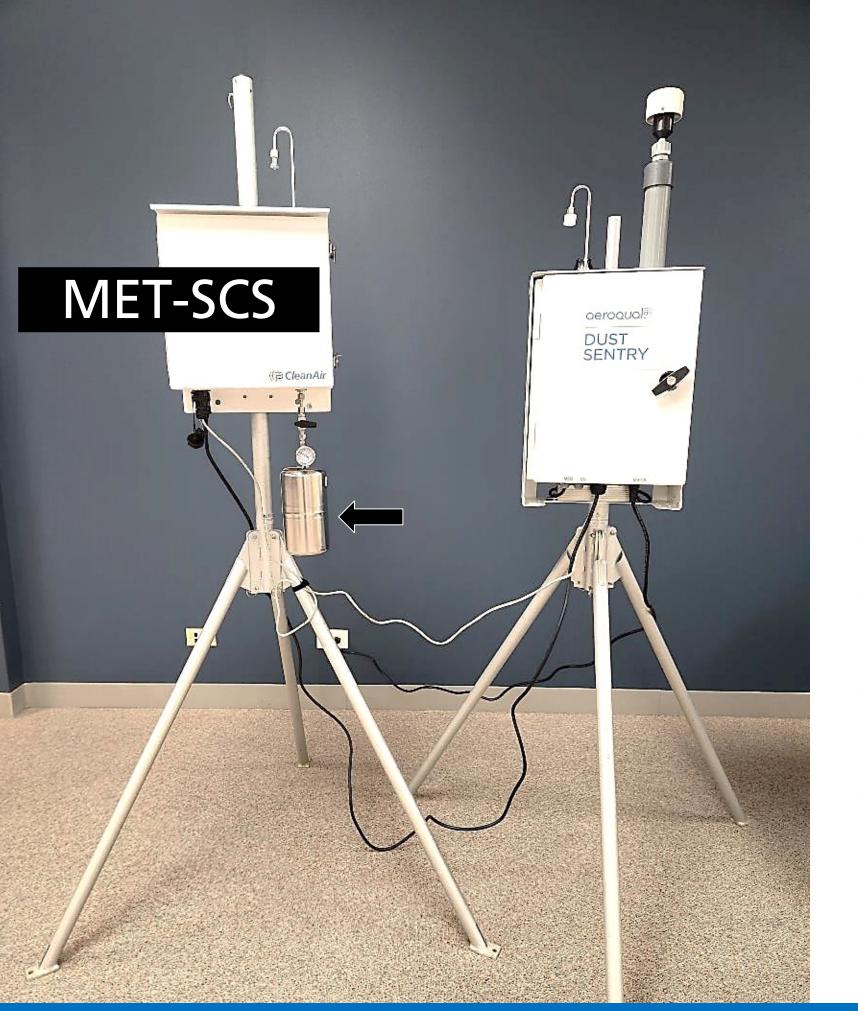












MET-SCS HIGHLIGHTS

- Powered via the Aeroqual host (12 VDC)
- Communication with host via connectAPI (Ethernet cable)
- Custom trigger level based on PID value
- Allows for selection of various sampling durations: 5, 15, 30, 60 min (grab sampling)
- Protects from oversampling by monitoring Summa can vacuum
- Vacuum reading is fed back into the Aeroqual host for remote cloud-based monitoring of sampling progress and alarming







- Silco-treated stainless steel filter
- Silco-treated stainless steel latching valve (low power) operation)
- Vacuum sensor with 316SS diaphragm
- OLED display and keypad for user interaction, run configuration, and guided can replacement







- Accommodates various can sizes including 1.4 L and 6 L Summa cans
- Connection via ¼ inch Swagelock fitting





CleanAir BTU

Span and Zero Gas Bump Test Unit

The CleanAir Engineering BTU performs automatic bump tests at user-defined time intervals and concentrations, using integrated span and zero gas disposable 6D or 8AL cylinders.

Housed in a durable, weather-proof enclosure, the BTU is engineered for use with various air monitors, in most applications requiring bump testing. After initial on-site setup, track the BTU's performance remotely and set custom alerts using Aeroqual Cloud.

- ✓ Available for Sale or Rent
- ✓ World-Class Technical Support from CleanAir
- ✓ Full Inspection on Every CleanAir Rental
- ✓ Equipment Repair and Calibration Services

TEST INTERVAL RANCE	15 min 72 hr. (User Defined)
SPAN GASES AVAILABLE	0.5, 1, and 25 ppm
GAS CYLINDER SIZE	6D or 8AL
MEASURING RANGE	0-30 ppm
RESOLUTION	0.01 ppm
FLOW RATE	100 cc
POWER	12VDC or Powered from Aeroqual Monitors
MOUNTING	Pole Mount or Free-Standing
TEMPERATURE RANGE	-10 °F to 105 °F
DIMENSIONS (DxWxH)	6" x10" x 26"
WEIGHT	15 lb







Bump Test Module | Aeroqual Cloud

KEY FEATURES

- User-Defined run times
- User-Defined run intervals
- Can be powered from Aeroqual monitors

APPLICATIONS

- Fenceline Monitoring
- Regulatory Compliance
- Remote locations
- Budget-Conscious studies ▶ Long-Term installations

Related Products Available from CleanAir







Performance Beyond Measure, since 1972. Unparalleled technical support, equipment rental, sales and servicing in Chicago, Houston, Pittsburgh, and Marseille, France www.cleanair.com | info@cleanair.com | 1-800-553-5511

© 2022 CleanAir Engineering



CleanAir Workshops

Dust Monitoring Compliance

cleanair.com/workshops/dust

CLEANAIR BTU



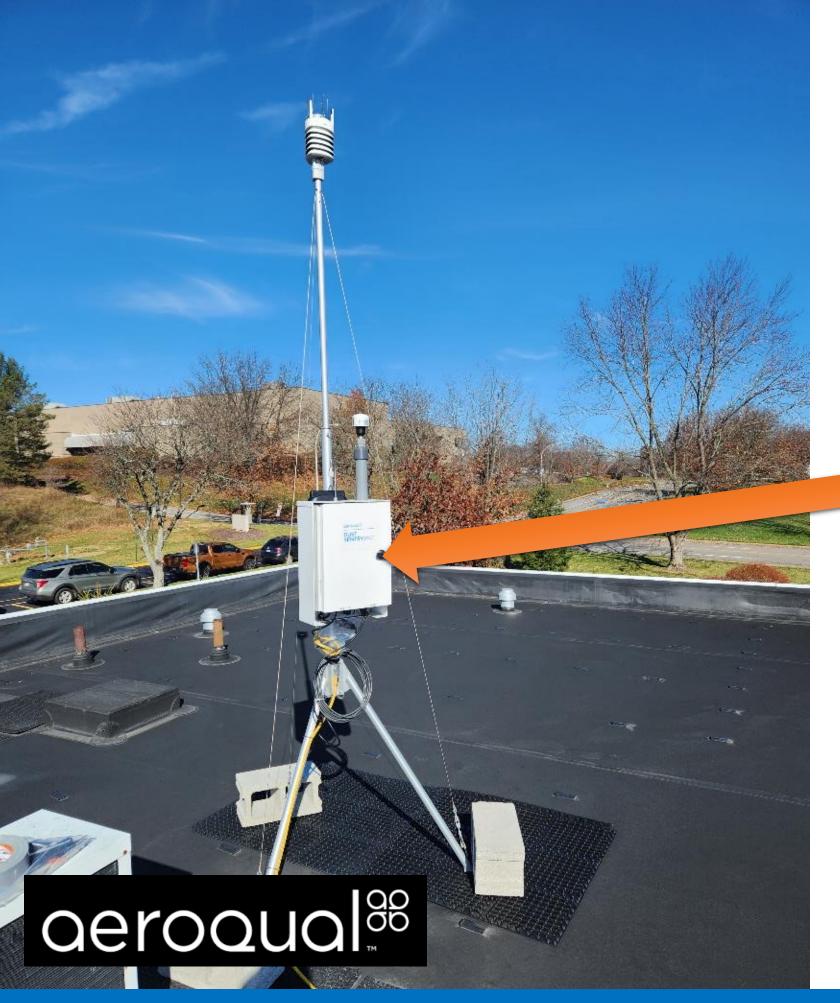
CleanAir Workshops



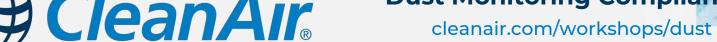
SMALL SENSOR SYSTEM



- Responds to CH4 and other gases
- CH4 Range: 0-50 ppm
- Precision (1 min): 0.5 ppm







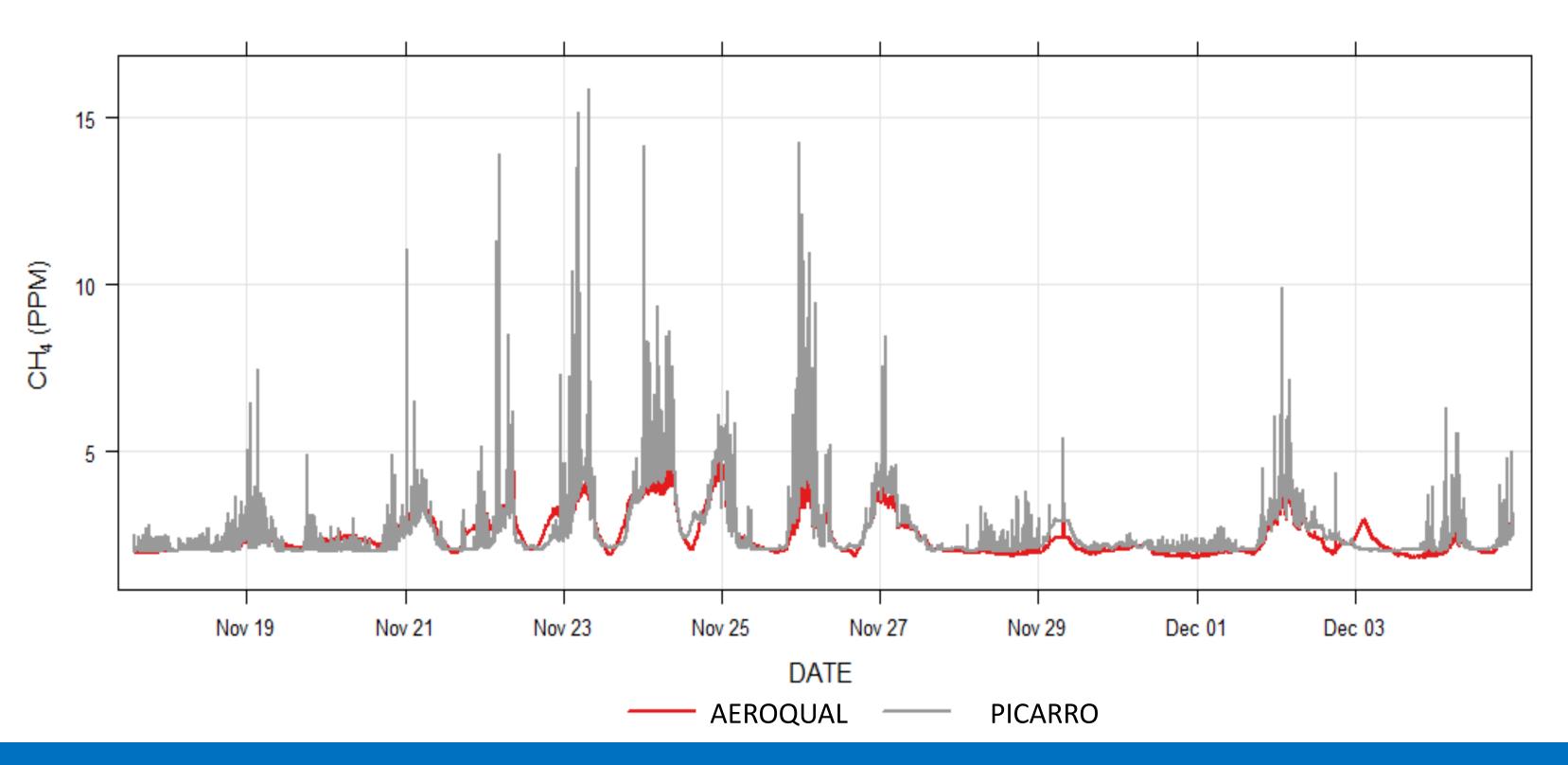
SIDE-BY-SIDE TESTING



- CH4 Range: 0-800 ppm
- Precision (1 sec): 3 ppb

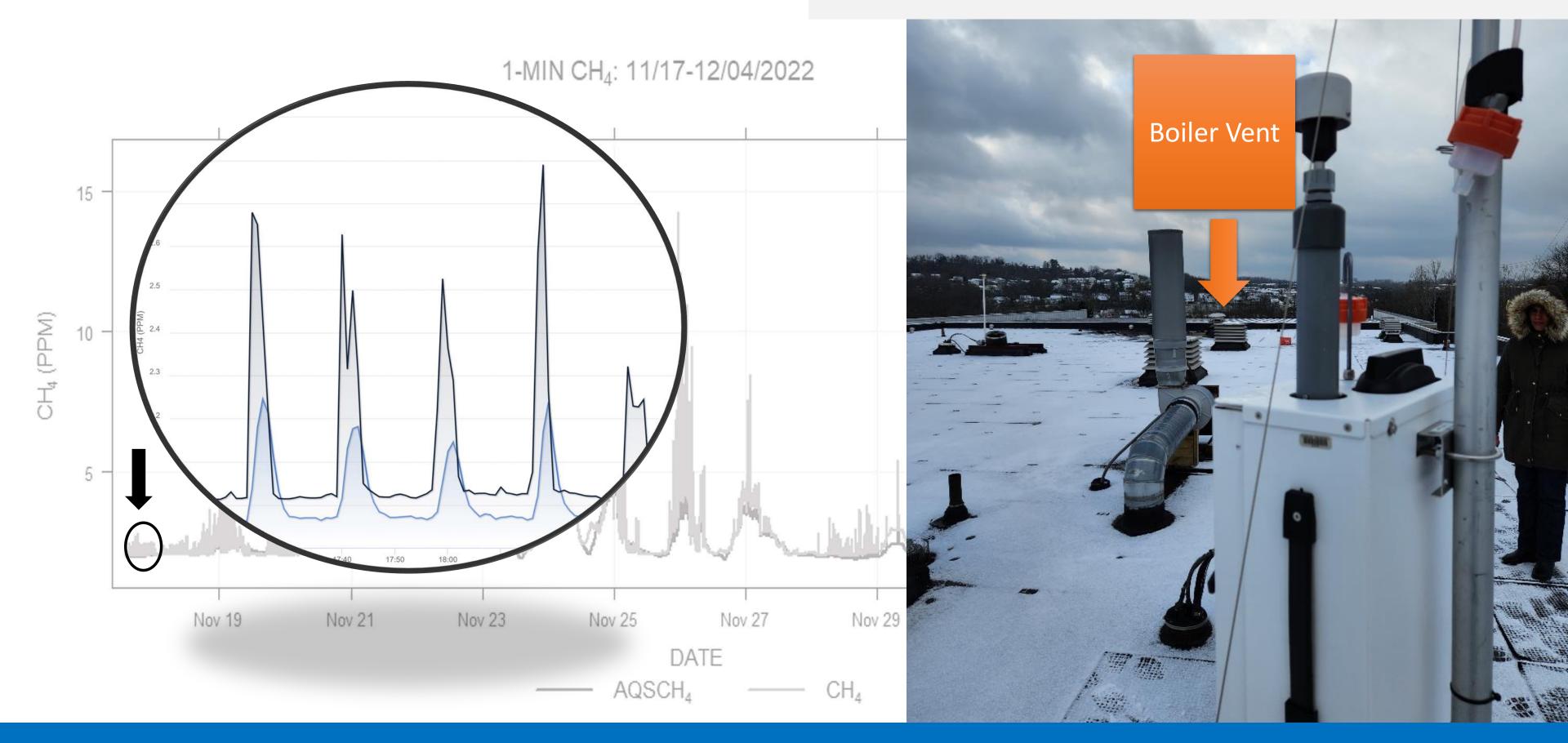


1-MIN CH₄: 11/17-12/04/2022

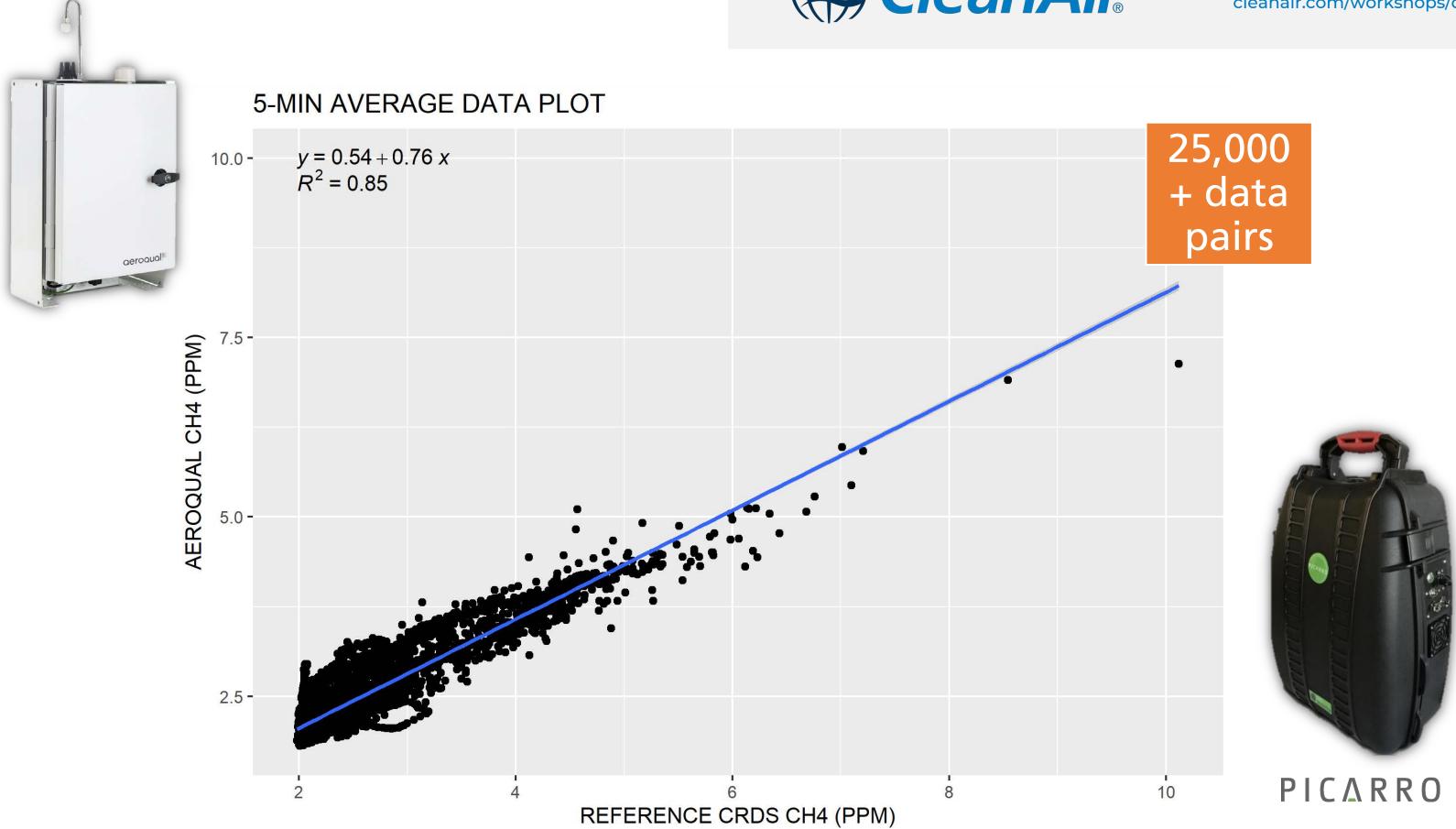




Dust Monitoring Compliance







Dust Monitoring Compliance Thursday, September 14, 2023

Morning Program

9:00	Welcome	10:45	Intro to Site Contribution Analysis and
9:05	Overview and Updates of CDPH Regulatory and	10.45	Aeroqual's Site Contribution Tool
9:40 10:05	Community Air Monitoring Approaches		Connor Porter, Aeroqual
	Michael Enos, CDPH	11:10	New Developments for Special Applications
	Regional and National Regulatory Overview Brian Newgent and Claire Amin, Aeroqual Monitoring Program Design and Data Analysis Considerations Volker Schmid, CleanAir		Don Allen and Volker Schmid, CleanAir
		11:35	Top 10 Support Questions
			Don Allen, CleanAir, and Connor Porter, Aeroqual
		12:00	LUNCH
10.30	RDFAK		