



Community air review

Reviewed week: September 14–20, 2026 · Example release: September 21, 2026

A reassuring week, with the evidence visible.

Across this modeled week, all complete carbon monoxide, sulfur dioxide and hydrogen sulfide averages remained below the stated concentration references. Raw peaks and short local changes are retained in the record, alongside what the instruments cannot independently verify.

7,257,600

Trace unit-time samples
12 mobile patrols, every second

4,032

Paired Omni studies
2 instruments, five-minute cadence

7 days

September 14–20, 2026
Central Time throughout



Boundary coverage illustration. Dots represent route coverage rather than individual samples. All monitoring is outdoors; no readings are taken inside the plant.



Results, with the right context

The six channels describe selected gases, not the whole air. No AQI, personal exposure estimate or all-pollutant safety verdict is inferred.

Gas	Weekly mean	Highest second	What can be concluded
CO ₂	435.6 ppm	454.9 ppm	Composition context; no ambient NAAQS
CO	0.139 ppm	0.538 ppm	Complete averages below stated reference
CH ₄	1.979 ppm	2.072 ppm	Composition context; no ambient NAAQS
SO ₂	0.90 ppb	2.01 ppb	Complete averages below stated reference
H ₂ S	0.41 ppb	7.45 ppb	Complete averages below stated reference
O ₂	20.940 %	20.947 %	Composition context; no ambient NAAQS

Reference comparison	Highest matching average	Reference level
CO: 8-hour mean	0.169 ppm	9 ppm
CO: 1-hour mean	0.222 ppm	35 ppm
SO ₂ : 1-hour mean	1.619 ppb	75 ppb
H ₂ S: 1-hour mean	2.753 ppb	30 ppb

Averages are clock-aligned windows along moving patrol routes. EPA CO values use an annual exceedance form; SO₂ uses a three-year percentile form. This seven-day comparison is not a regulatory design value. California’s H₂S reference is an odor standard, used here only as context.

A second method, used where it can answer

The archive contains 4,032 co-located Omni studies. Mean modeled CO₂/O₂ numerical agreement is 99.69%. This calculation compares only those two eligible channels. Ambient CO, SO₂ and H₂S are below the configured 5 ppm reporting floor; methane is outside the principal-ion mass window. No low-level confirmation is claimed for them.

Review and release

Illustrative technical review: Sep 21, 08:00 CT. Illustrative release review: 09:00 CT. Publication: 10:00 CT. These are scenario milestones, not real signatures, executive attestations or regulator approvals.

Sources: EPA National Ambient Air Quality Standards; CARB hydrogen sulfide reference. Reference sources checked September 25, 2026.