

# **Appendix K – Comparison to U.S. Environmental Protection Agency and Community Air Screen Results**

The graphs in this appendix display comparisons between the sample collected (20-second duration) in the Albany South End Neighborhood by the U.S. Environmental Protection Agency (USEPA), 1 hour samples collected by community members participating in NYSDEC's Community Air Screen (CAS) program, and 1 hour samples collected in the Albany South End Community Air Quality Screening.

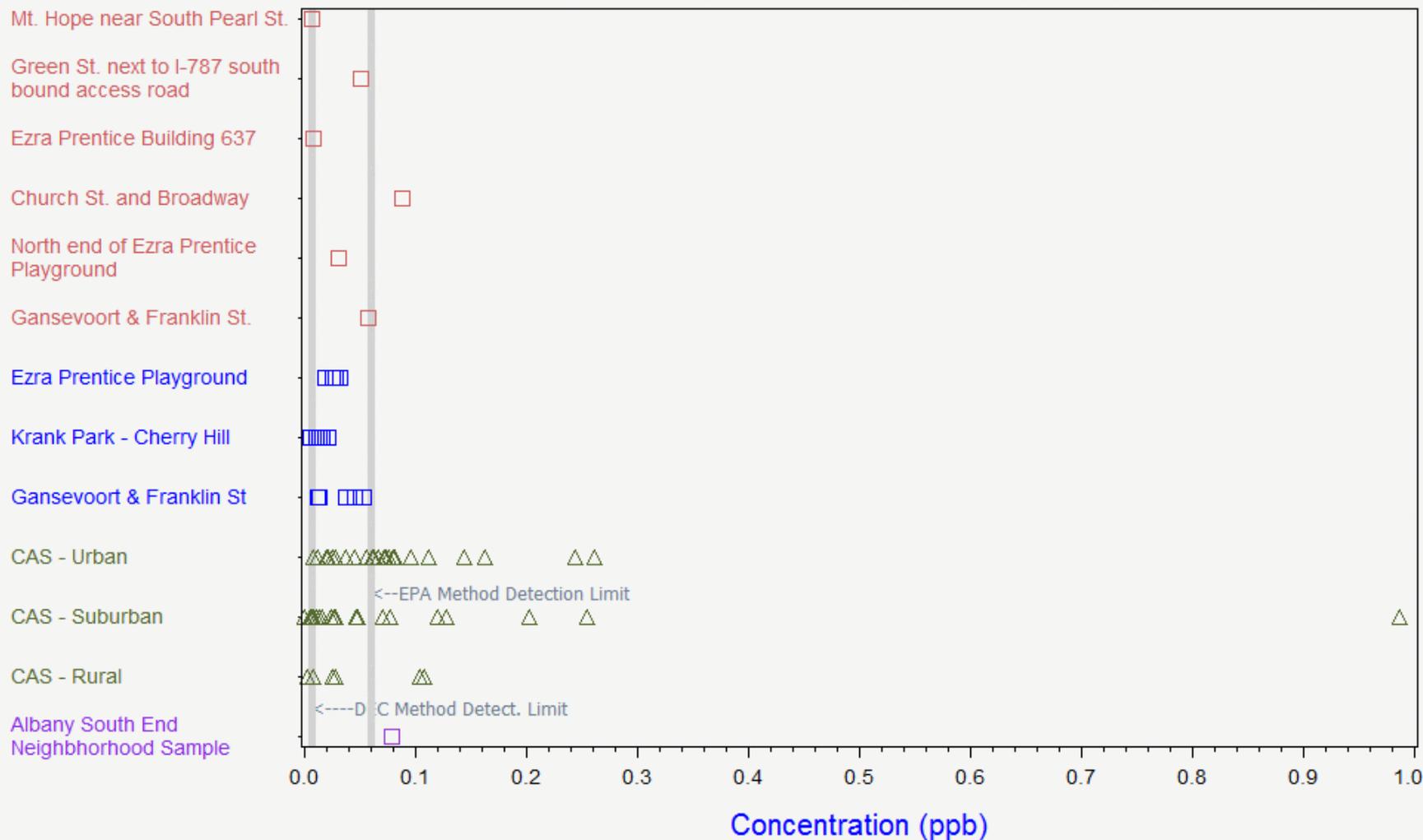
## **Method Detection Limit**

Results below the “lowest reliable measured level” (called the method detection limit), which varies by pollutant and by monitoring method, have been displayed for comparison purposes only. Although there is less reliability in those measurements reported below the “lowest reliable measured level,” USEPA's Science Advisory Board (Pilot City Air Toxics Measurements Summary, Office of Air Quality Planning and Standards, EPA454/R-01-003, February 2001) has stated that these values may be recognized as measurable results. For the Albany South End Community Air Quality Screening, results below the lowest reliable measured level will be noted but not be used to determine follow-up activities.

# Volatile Organic Compounds

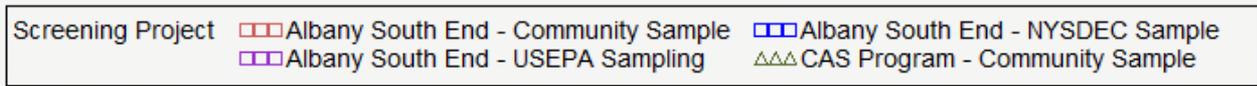
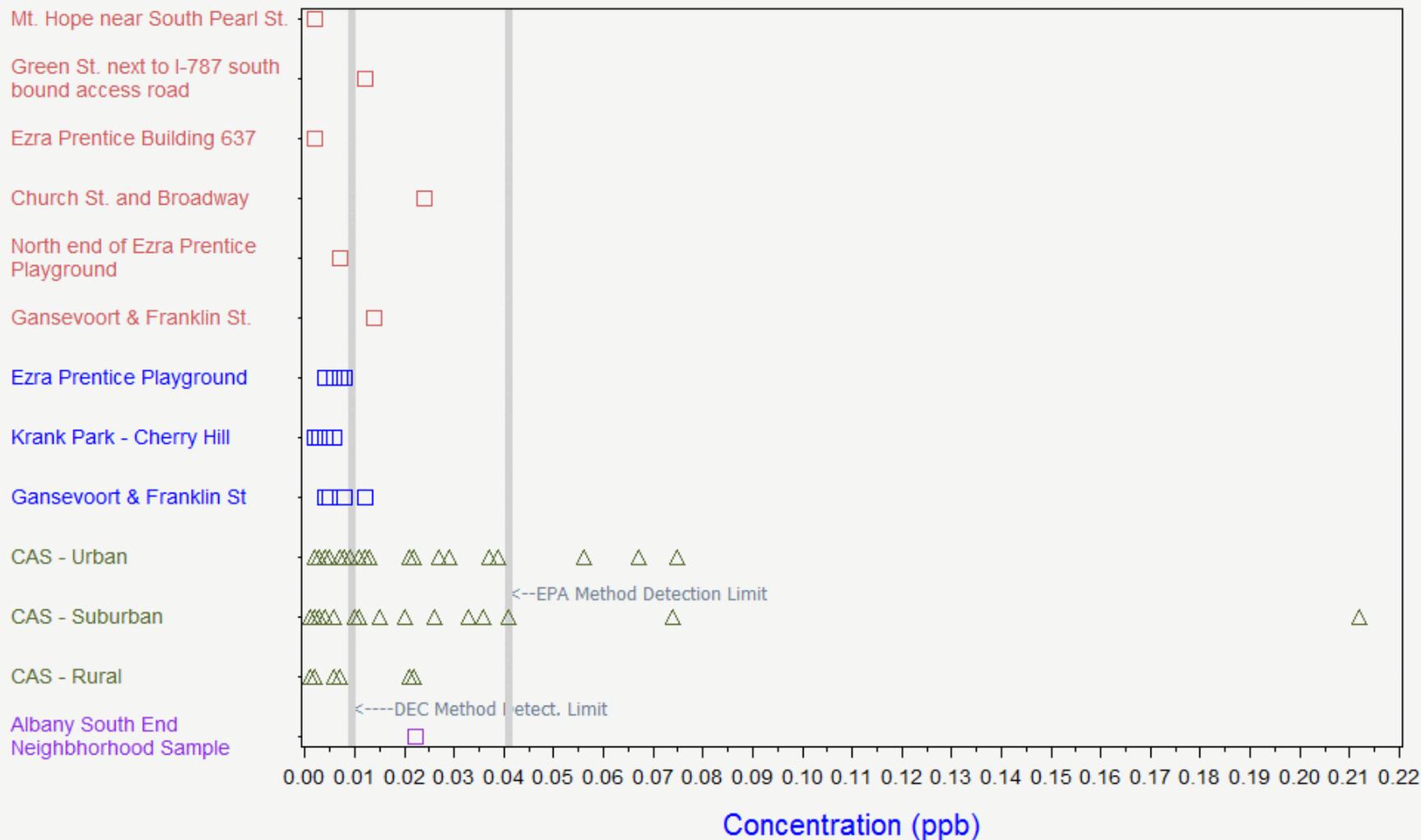
# 1,2,4-Trimethylbenzene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



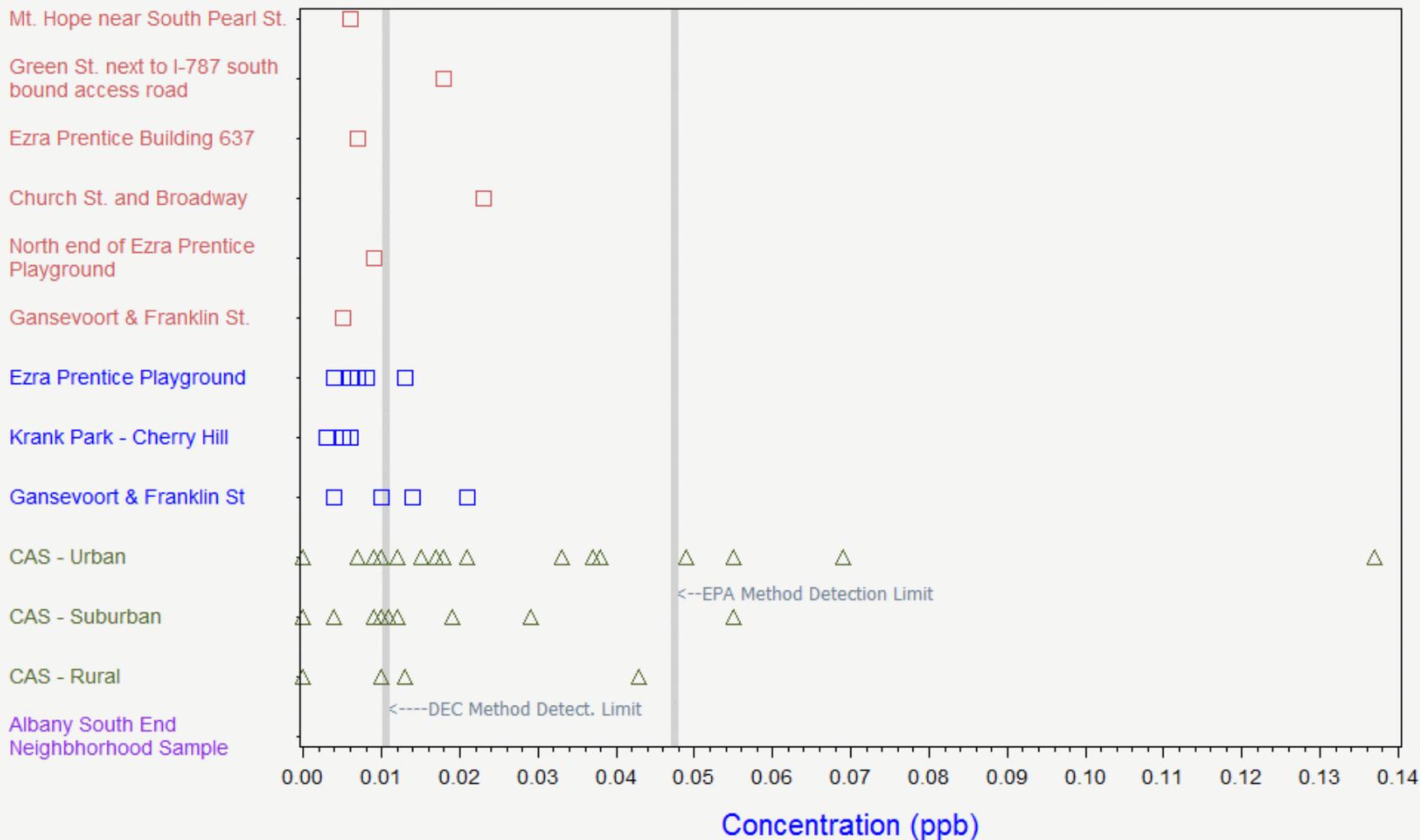
# 1,3,5-Trimethylbenzene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



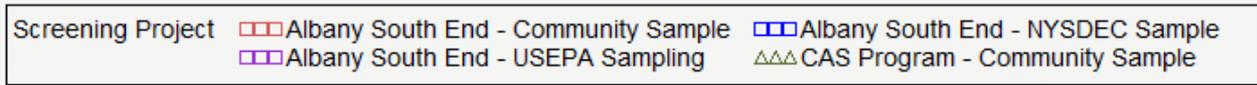
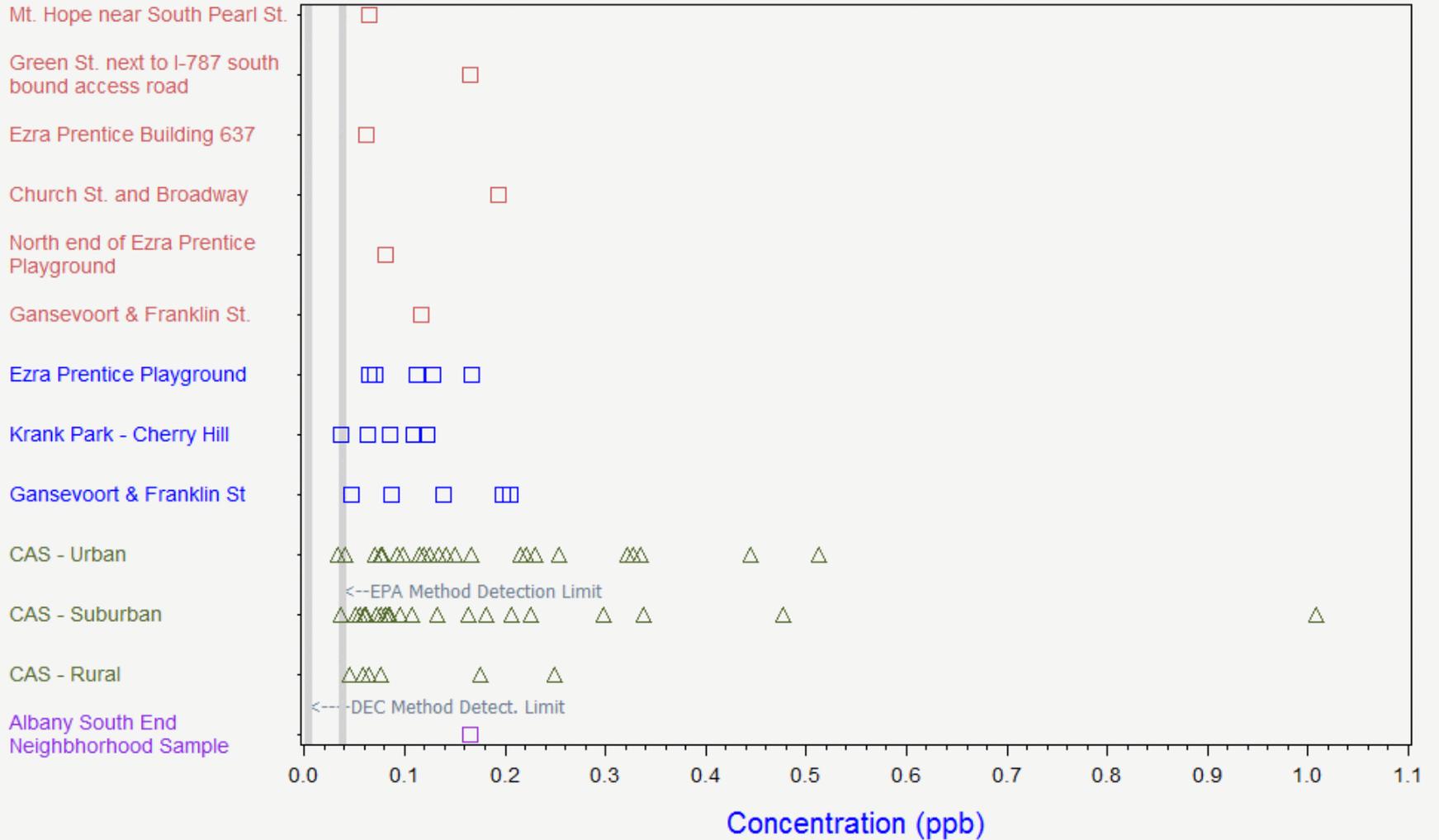
# 1,3-Butadiene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



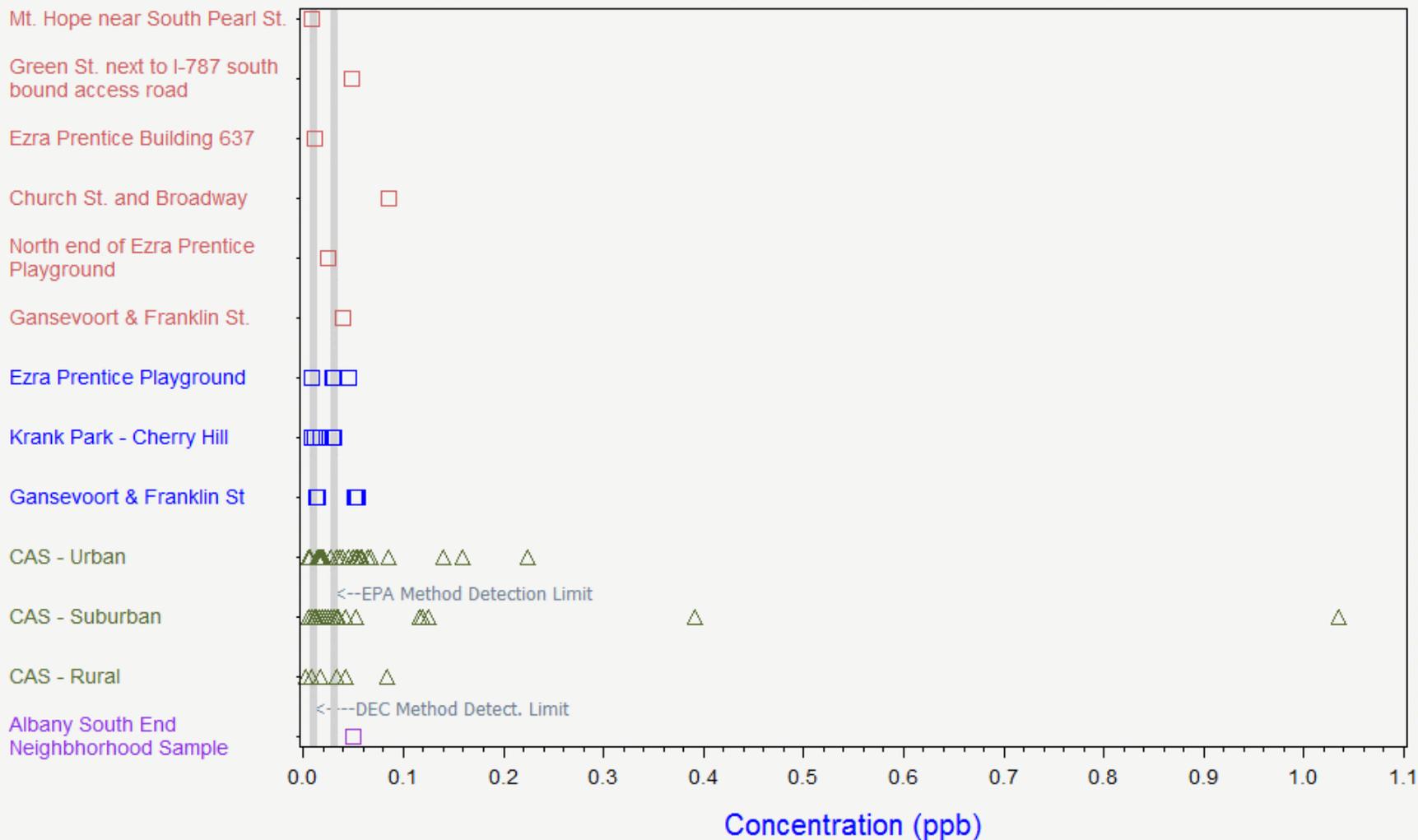
# Benzene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



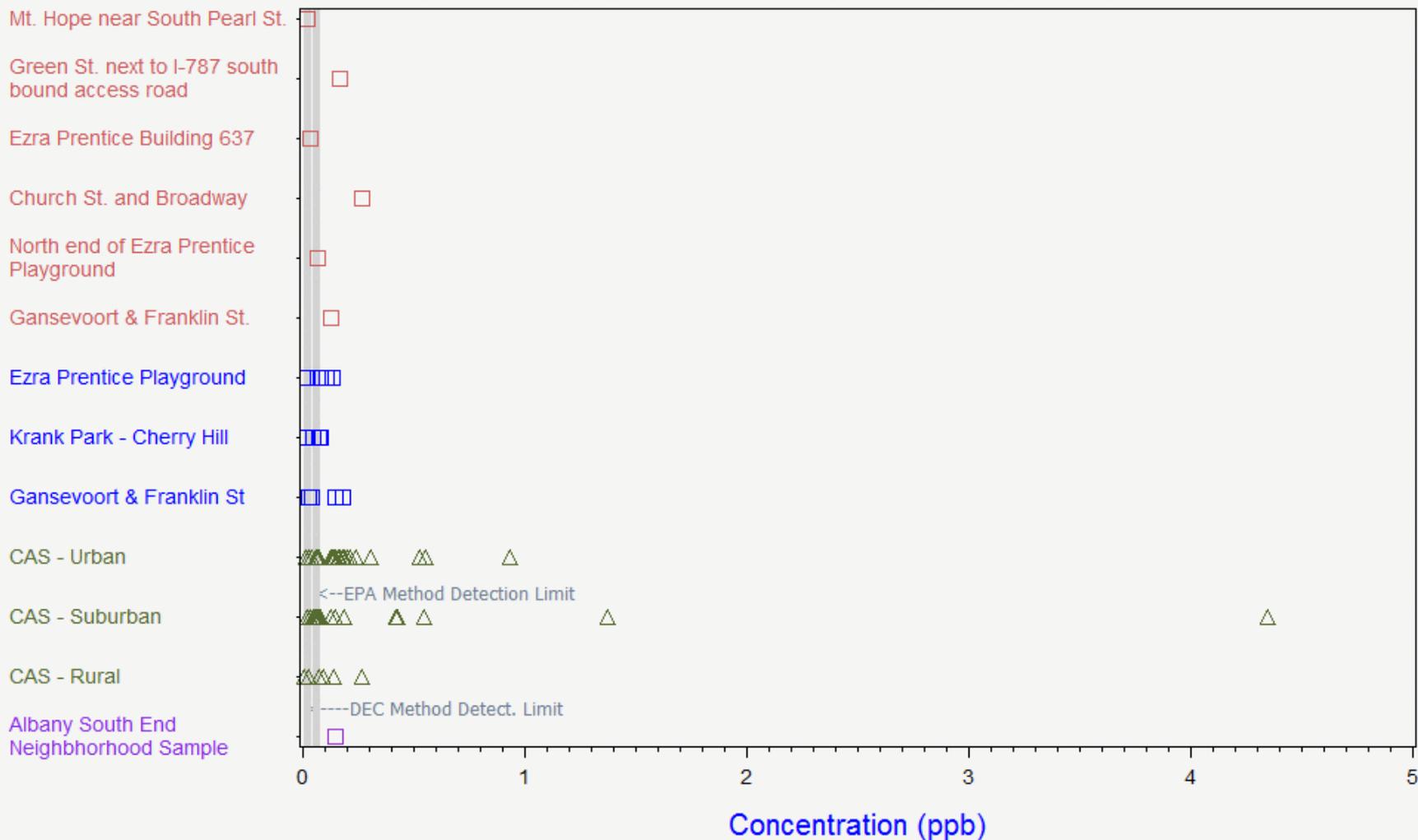
# Ethylbenzene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



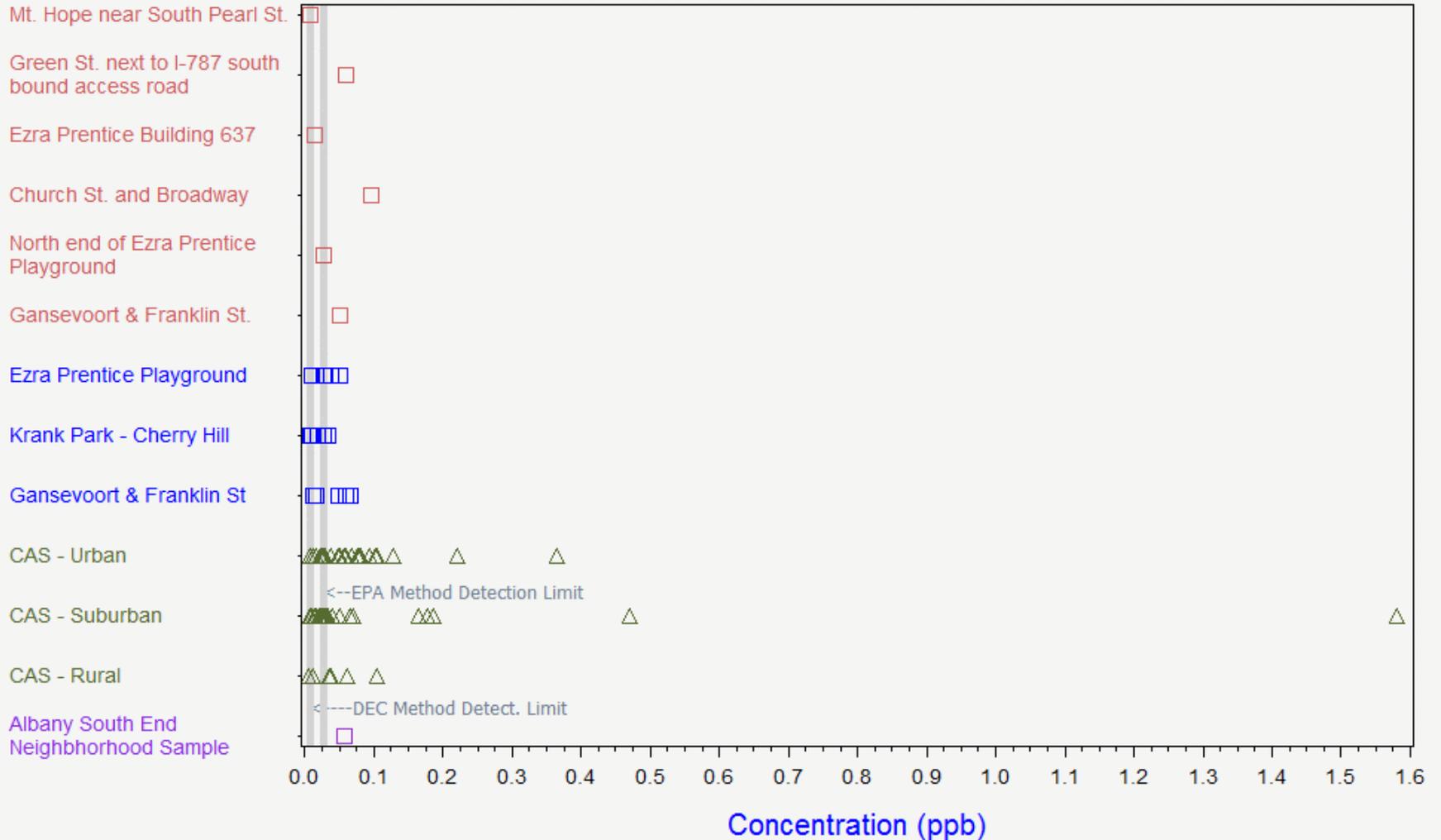
## m,p-Xylene

### Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



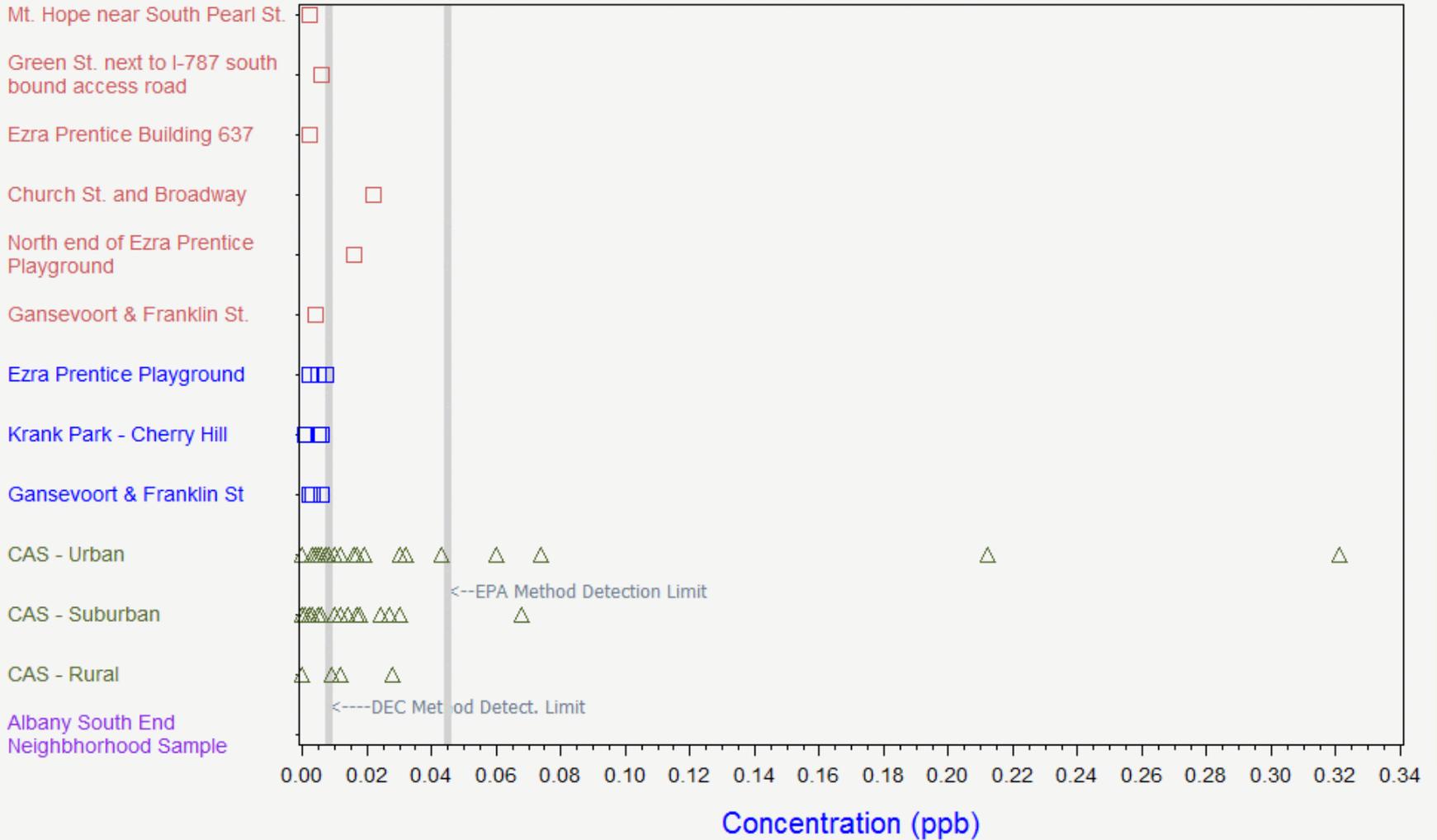
# o-Xylene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



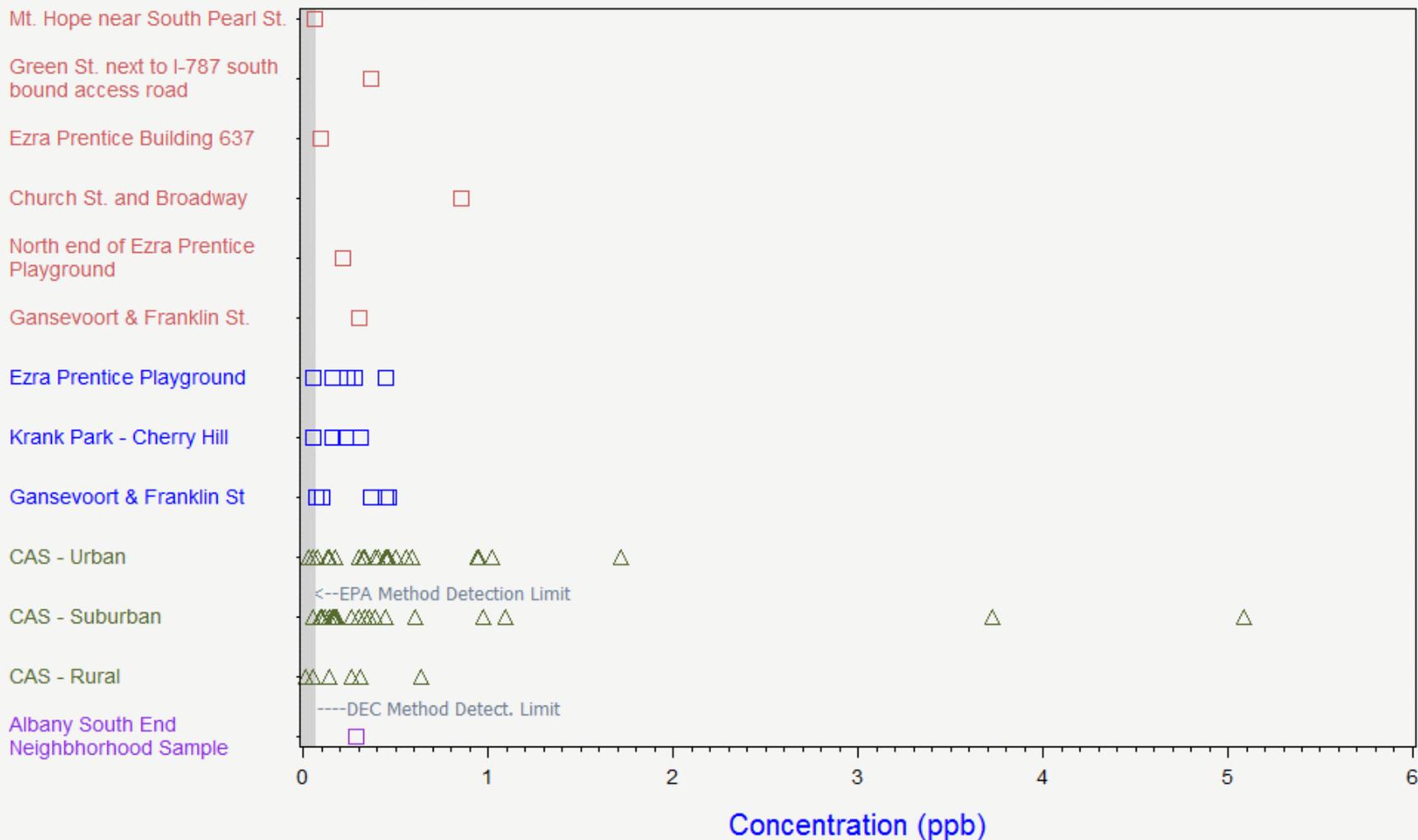
# Styrene

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



# Toluene

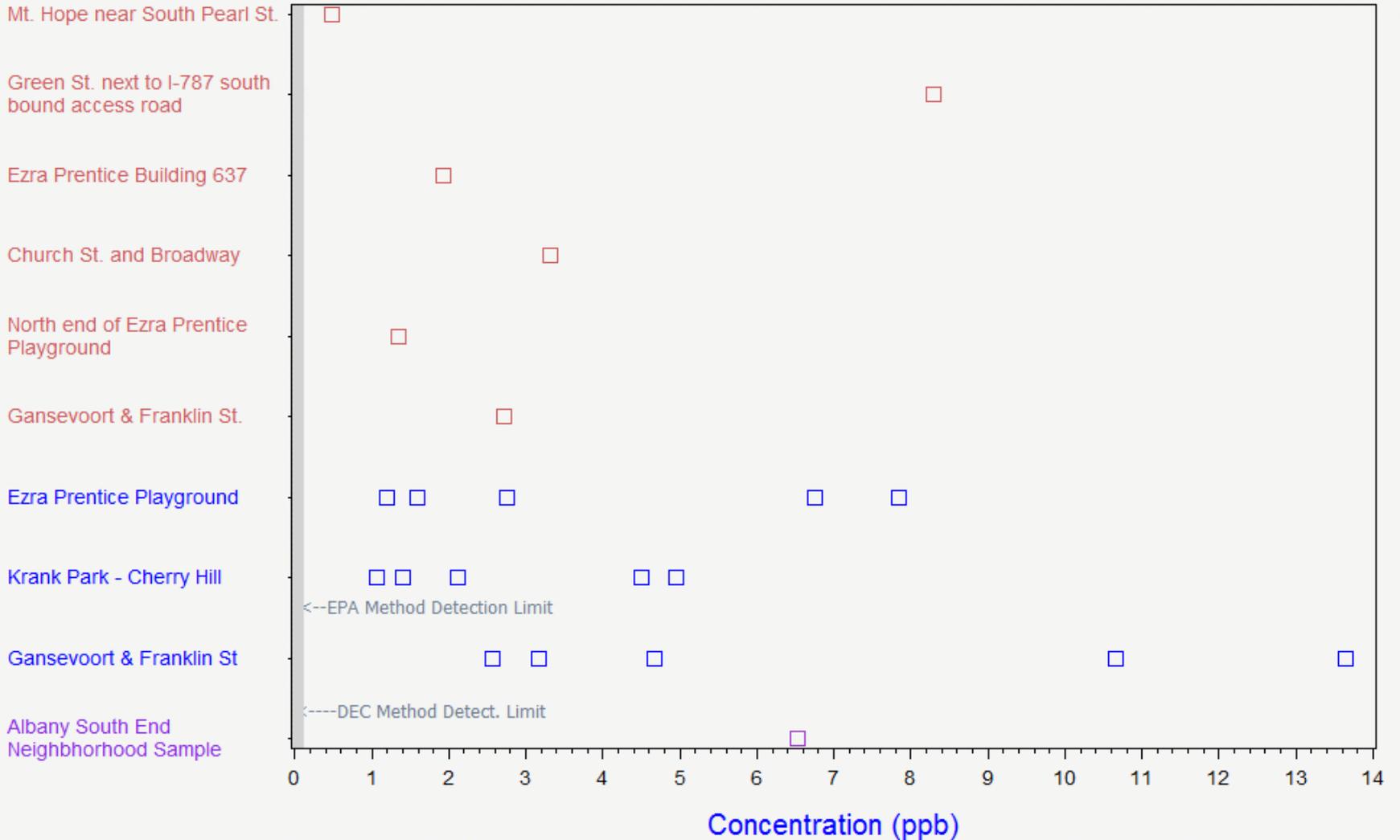
## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



# Light-weight Alkanes

# Butane

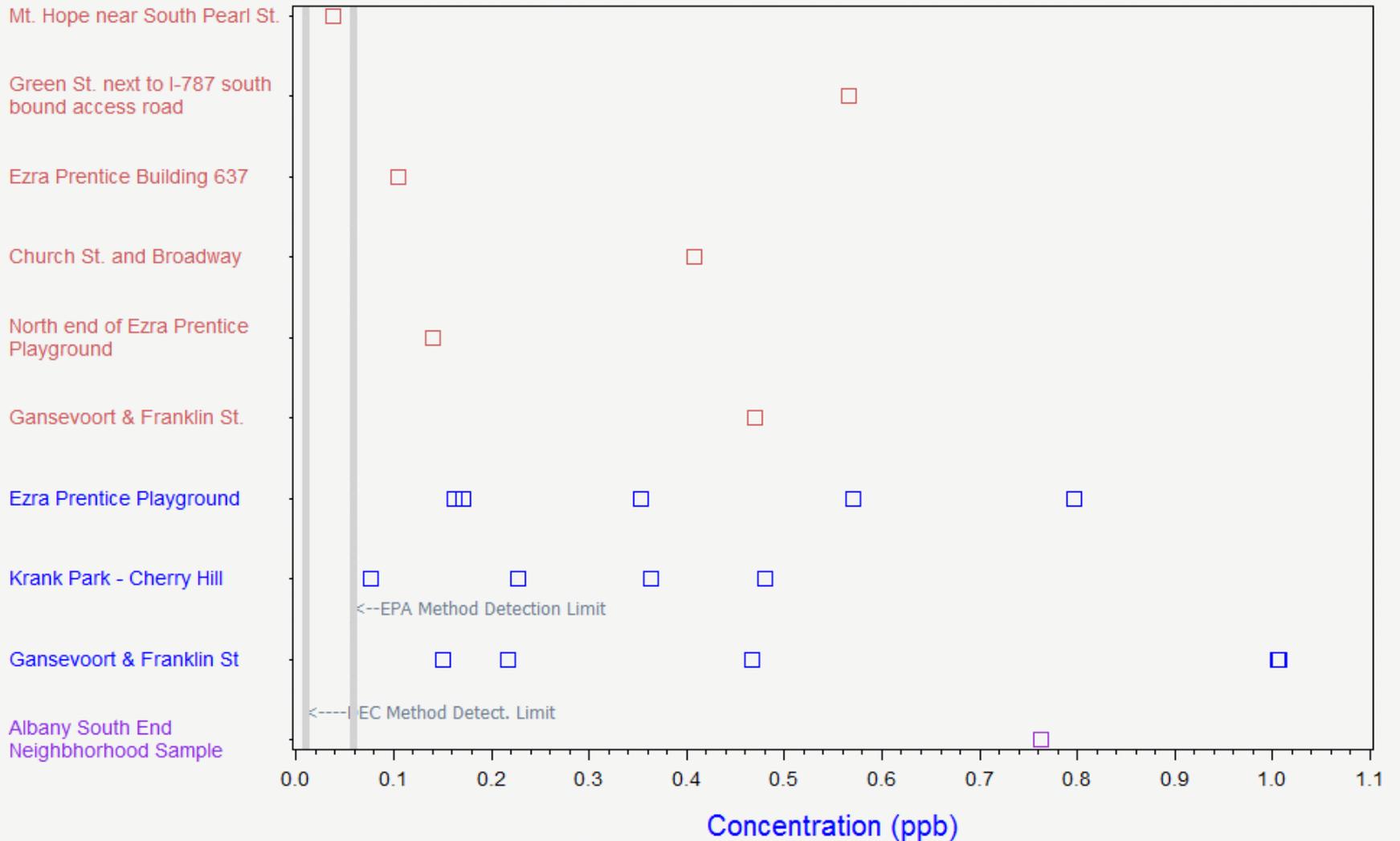
## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



Screening Project    □ Albany South End - Community Sample    □ Albany South End - NYSDEC Sample    □ Albany South End - USEPA Sampling

# Hexane

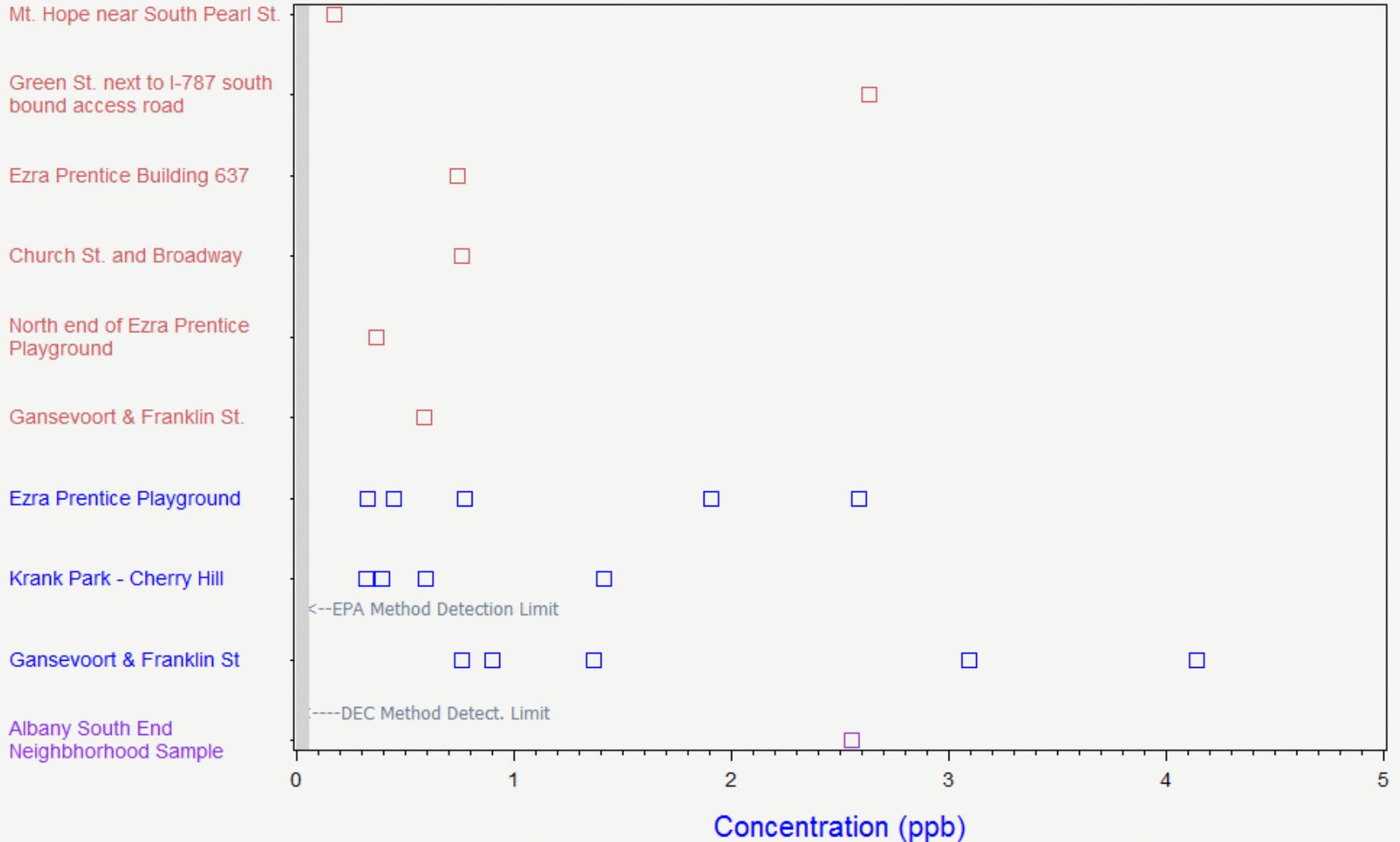
## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



Screening Project    □ Albany South End - Community Sample    □ Albany South End - NYSDEC Sample    □ Albany South End - USEPA Sampling

# Isobutane

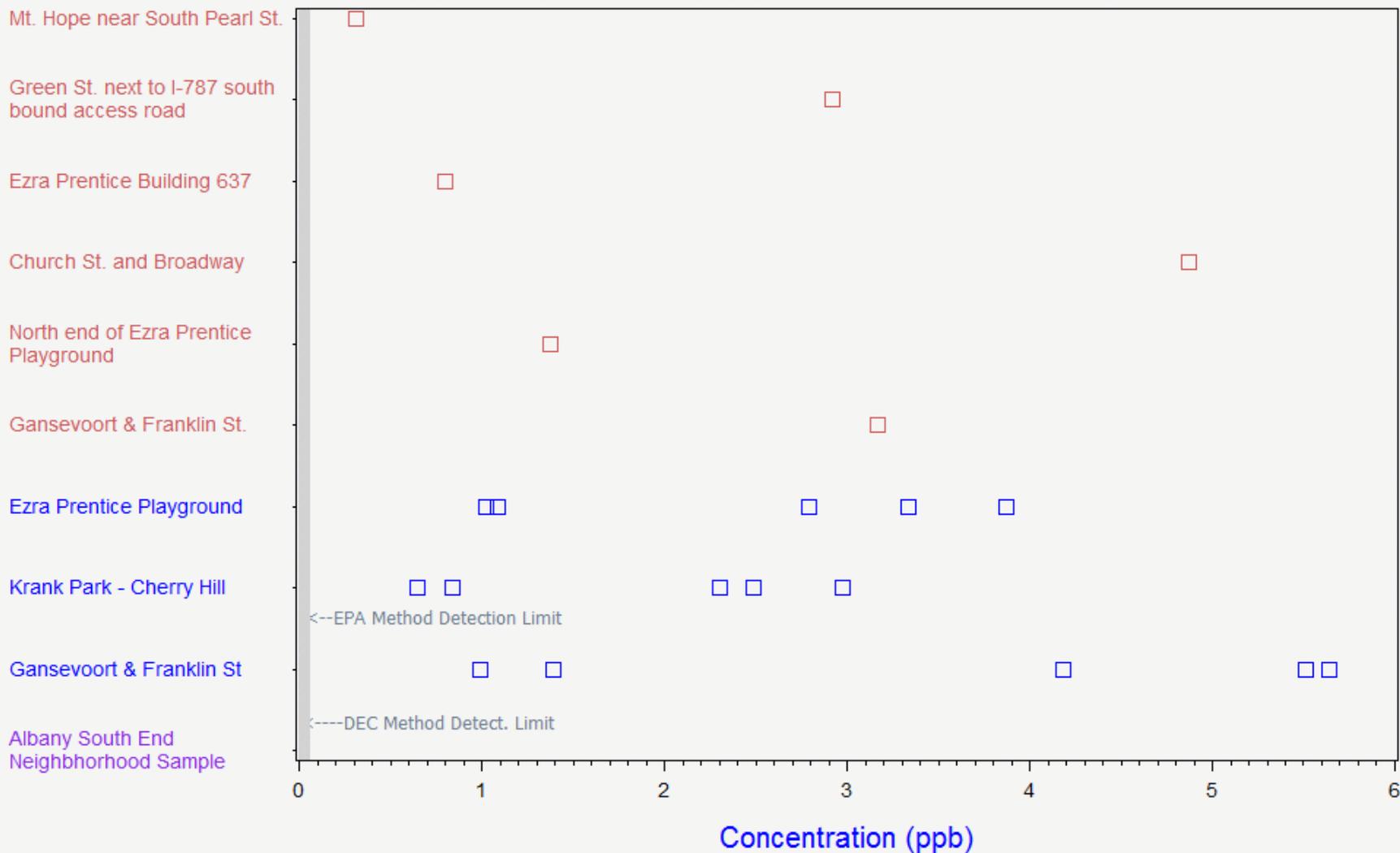
## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



Screening Project    □ Albany South End - Community Sample    □ Albany South End - NYSDEC Sample    □ Albany South End - USEPA Sampling

# Isopentane

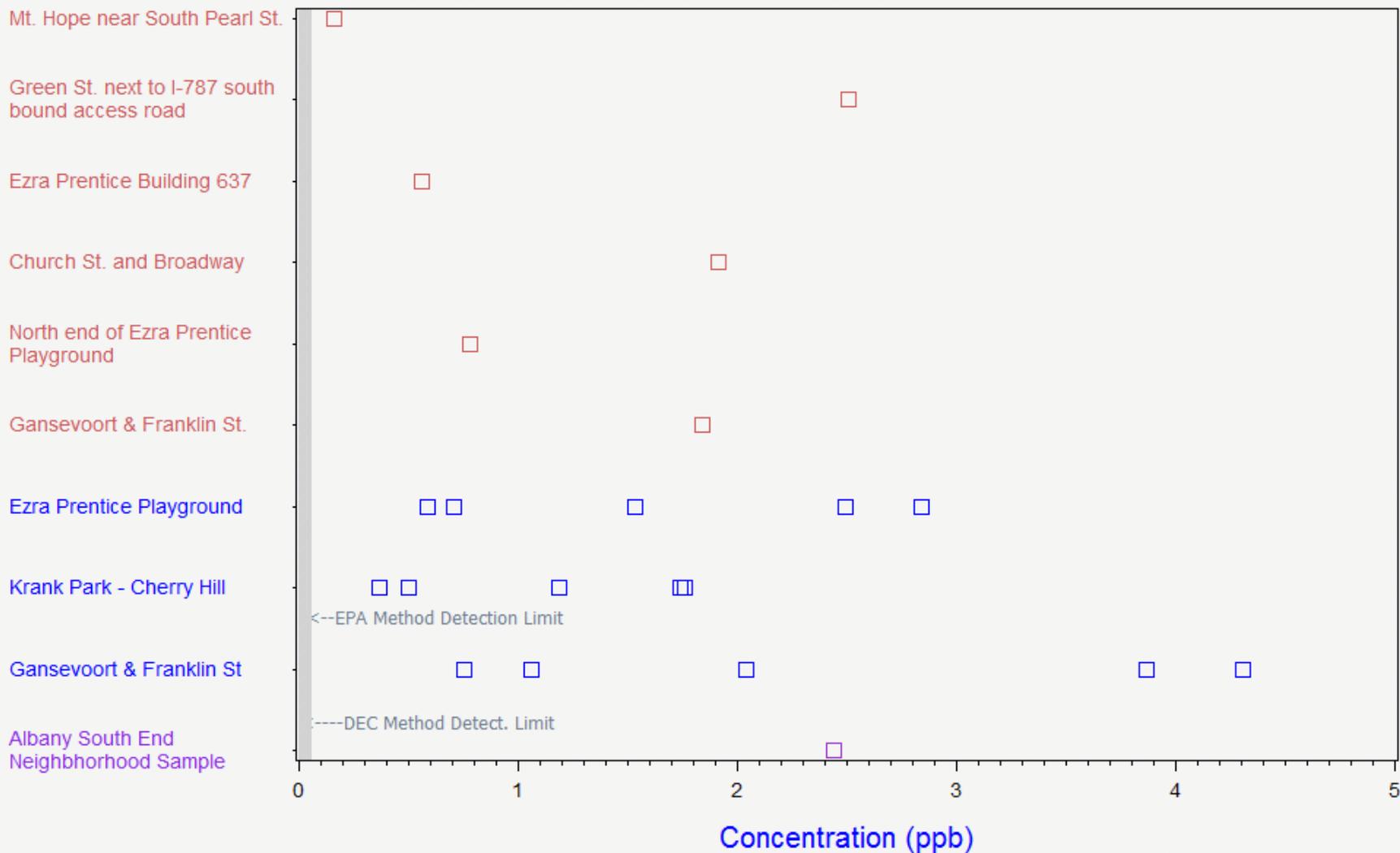
## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



Screening Project    Albany South End - Community Sample    Albany South End - NYSDEC Sample    Albany South End - USEPA Sampling

# Pentane

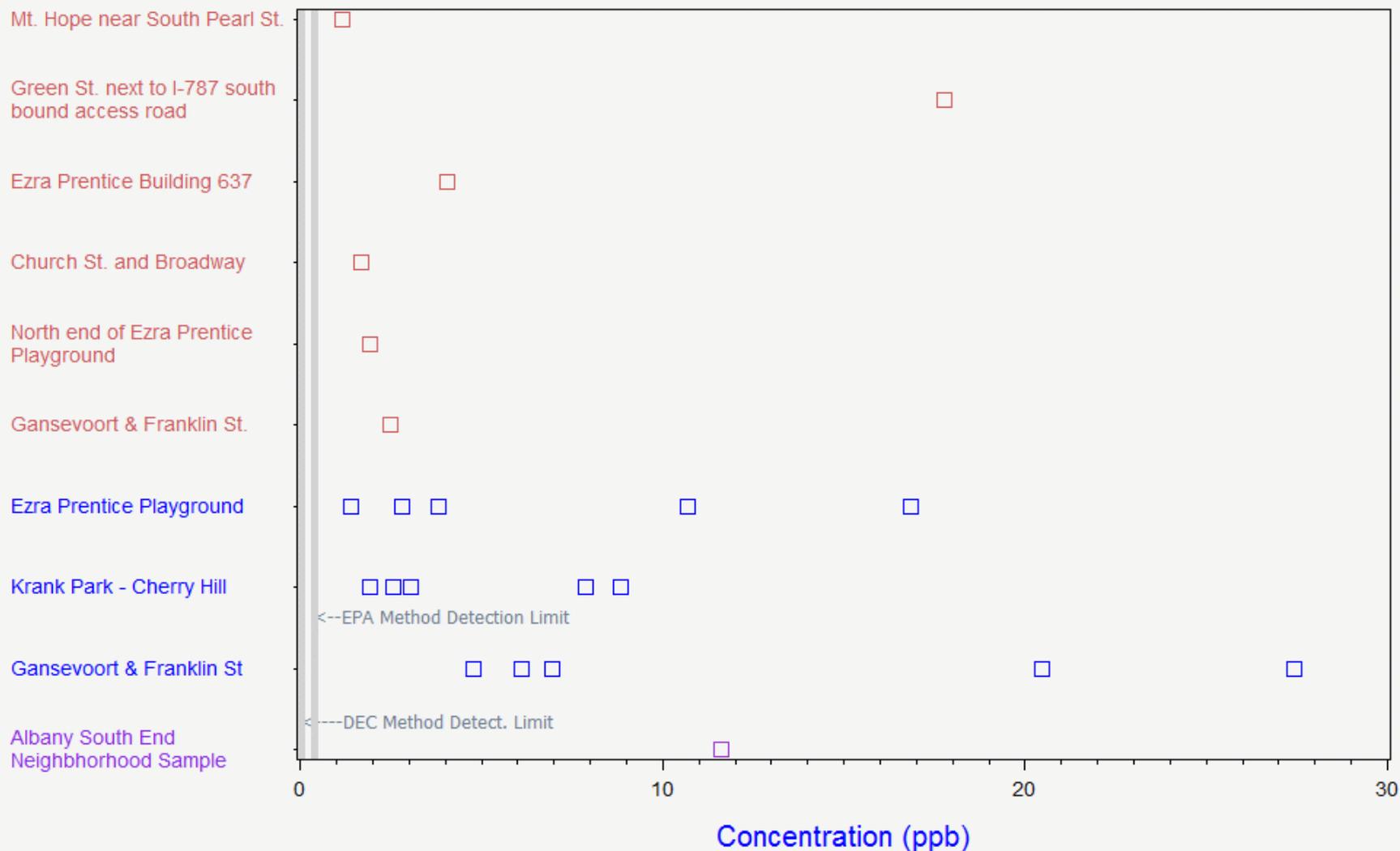
## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



Screening Project    Albany South End - Community Sample    Albany South End - NYSDEC Sample    Albany South End - USEPA Sampling

# Propane

## Comparison Albany South End 1-hour with Community Air Screen 1-hour and USEPA Neighborhood Sampling Results



Screening Project    Albany South End - Community Sample    Albany South End - NYSDEC Sample    Albany South End - USEPA Sampling