

Area Air Monitoring Results
City of Memphis - June 13 and 16, 2025

Monitoring Location	Sample Date	Sample ID	Sample Length (minutes)	Analyte	If below LOQ "<"	Lab Result	Units	Field Notes	Photos
Macedonia Church: 1814 Fields Road	6/13/2025	QZ00138	800	Benzene	<	0.010	ppm	Area air samples were collected from the Macedonia church over an approximate 12 hour sampling period. The sampling equipment was placed under the stairs located on the back left side for the church covered from any potential percipitation. Samples were put out at 0701. Weather conditions were partly cloudy, 73°F with 7 mph SSW winds. Samples were collected at 2021. Weather conditions were 76°F with 6 mph W winds.. TWA: <1 ppm; STEL: <1 ppm Peak: <1 ppm	
		QZ00138	800	Ethylbenzene	<	0.023	ppm		
		QZ00138	800	Toluene	<	0.024	ppm		
		QZ00138	800	Xylene	<	0.074	ppm		
		RC27740	800	Formaldehyde	<	0.0034	ppm		
		RC27740	800	Acetaldehyde	<	0.0033	ppm		
		A174681	800	Nitrogen Dioxide	<	0.019	ppm		
		A174681	800	Sulfur Dioxide	<	0.086	ppm		
			800	CO (direct read monitor)	<	1	ppm		
		25-0181825	800	Respirable Particulate	<	0.031	mg/m3		
The Links at Whitehaven: 750 E Holmes Road	6/13/2025	QZ01320	697	Benzene	<	0.012	ppm	Area air samples were collected from the Links at Whitehaven over an approximate 12 hour sampling period. The sampling equipment was placed on the back left corner of the building, up against the brick wall to limit exposure to any potential percipitation. Samples were put out at 0733. Weather conditions were partly cloudy, 73°F with 7 mph SSW winds. Samples were collected at 1910. Weather conditions were 76°F with 6 mph W winds.. TWA: <1 ppm; STEL: <1 ppm Peak: <1 ppm	
		QZ01320	697	Ethylbenzene	<	0.027	ppm		
		QZ01320	697	Toluene	<	0.028	ppm		
		QZ01320	697	Xylene	<	0.085	ppm		
		RC28432	697	Formaldehyde	<	0.0039	ppm		
		RC28432	697	Acetaldehyde	<	0.0038	ppm		
		A174695	697	Nitrogen Dioxide	<	0.022	ppm		
		A174695	697	Sulfur Dioxide	<	0.099	ppm		
			697	CO (direct read monitor)	<	1	ppm		
		25-0181833	697	Respirable Particulate	<	0.036	mg/m3		
City Hall: 125 N Main Street	6/13/2025	QZ00643	755	Benzene	<	0.011	ppm	Area air samples were collected from City Hall over an approximate 12 hour sampling period. The sampling equipment was placed on the lobby floor level, on the back left exterior corner of the building, and were zip tied to a metal pole under the building overhang. Samples were put out at 0843. Weather conditions were partly cloudy, 76°F with 10 mph SSW winds. Samples were collected at 1910. Weather conditions were 82°F with 6 mph W winds.. TWA: <1 ppm; STEL: <1 ppm Peak: 2 ppm	
		QZ00643	755	Ethylbenzene	<	0.024	ppm		
		QZ00643	755	Toluene	<	0.026	ppm		
		QZ00643	755	Xylene	<	0.078	ppm		
		RC27618	755	Formaldehyde	<	0.0038	ppm		
		RC27618	755	Acetaldehyde	<	0.0035	ppm		
		A174734	755	Nitrogen Dioxide	<	0.020	ppm		
		A174734	755	Sulfur Dioxide	<	0.092	ppm		
			755	CO (direct read monitor)	<	1	ppm		
		25-0181829	755	Respirable Particulate	<	0.033	mg/m3		

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Macedonia Church: 1814 Fields Road	6/16/2025	QZ03068	720	Benzene	<	0.011	ppm	Area air samples were collected from the Macedonia church over an approximate 12 hour sampling period. The sampling equipment was placed under the stairs located on the back left side for the church covered from any potential precipitation. Samples were put out at 0730. Weather conditions were partly cloudy, 73°F with 93% humidity. Winds out of S at 10 mph. Samples were collected at 1930. Weather conditions were mostly cloudy with storms forecasted. Light mist of rain with 90% humidity and winds out of S at 14 mph. TWA: 0 ppm; STEL: 0 ppm Peak: 1 ppm	
		QZ03068	720	Ethylbenzene	<	0.026	ppm		
		QZ03068	720	Toluene	<	0.027	ppm		
		QZ03068	720	Xylene	<	0.082	ppm		
		RC29265	720	Formaldehyde	<	0.0038	ppm		
		RC29265	720	Acetaldehyde	<	0.0037	ppm		
		A178142	720	Nitrogen Dioxide	<	0.021	ppm		
		A178142	720	Sulfur Dioxide	<	0.096	ppm		
			720	CO (direct read monitor)		0	ppm		
		25-0181827	720	Respirable Particulate	<	0.035	mg/m3		
The Links at Whitehaven: 750 E Holmes Road	6/16/2025	QZ03858	600	Benzene	<	0.014	ppm	Area air samples were collected from the Links at Whitehaven over an approximate 12 hour sampling period. The sampling equipment was placed on the back left corner of the building, up against the brick wall to limit exposure to any potential precipitation. Samples were put out at 10:00 (delayed due to rain). Weather conditions were partly cloudy, 80°F with 79% humidity. 10 mph wind out of the South. Samples were collected at 20:00. Weather conditions were cloudy with pending storms. 82% humidity and winds out of the SSW at 9 mph. TWA: 0 ppm; STEL: 0 ppm Peak: 1 ppm	
		QZ03858	600	Ethylbenzene	<	0.031	ppm		
		QZ03858	600	Toluene	<	0.032	ppm		
		QZ03858	600	Xylene	<	0.098	ppm		
		RC29122	600	Formaldehyde	<	0.0046	ppm		
		RC29122	600	Acetaldehyde	<	0.0044	ppm		
		A178048	600	Nitrogen Dioxide	<	0.025	ppm		
		A178048	600	Sulfur Dioxide	<	0.12	ppm		
			600	CO (direct read monitor)		0	ppm		
		25-0181831	600	Respirable Particulate	<	0.042	mg/m3		
City Hall: 125 N Main Street	6/16/2025	QZ00612	695	Benzene	<	0.012	ppm	Area air samples were collected from City Hall over an approximate 12 hour sampling period. The sampling equipment was placed on the lobby floor level, on the back left exterior corner of the building, and were zip tied to a metal pole under the building overhang. Samples were put out at 0905. Weather conditions were partly cloudy, 76°F with 85% humidity. S winds at 10 mph. Samples were collected at 2040. Weather conditions were cloudy with storms forecasted. 75% humidity and SSW wind at 10 mph. TWA: 0 ppm; STEL: 0 ppm Peak: 2 ppm	
		QZ00612	695	Ethylbenzene	<	0.027	ppm		
		QZ00612	695	Toluene	<	0.028	ppm		
		QZ00612	695	Xylene	<	0.085	ppm		
		RC29362	695	Formaldehyde	<	0.0039	ppm		
		RC29362	695	Acetaldehyde	<	0.0038	ppm		
		A178068	695	Nitrogen Dioxide	<	0.022	ppm		
		A178068	695	Sulfur Dioxide	<	0.10	ppm		
			695	CO (direct read monitor)		0	ppm		
		25-0181830	695	Respirable Particulate	<	0.036	mg/m3		