



## Air Quality Analysis for Ozone

The following information is for the ambient air monitors operated by the state. This information is reported to the U.S. Environmental Protection Agency's Air Quality System database. The monitoring information provided in the chart below includes the preliminary design values for the ozone National Ambient Air Quality Standard, or NAAQS.

In March 2008, EPA strengthened the ozone NAAQS by setting it at a level of 0.075 parts per million (ppm) measured over 8 hours. In April 2012, EPA finalized nonattainment areas for the 2008 ozone NAAQS. In Missouri, only the St. Louis area was designated as nonattainment with a boundary encompassing St. Louis City and St. Louis, St. Charles, Jefferson, and Franklin Counties. Missouri then developed plans to bring the St. Louis nonattainment area into compliance. In September 2018, EPA formally redesignated the St. Louis area back to attainment of the 2008 ozone NAAQS.

In October 2015 (effective in December 2015), EPA further strengthened the ozone NAAQS by setting it at a level of 0.070 ppm measured over 8 hours. Based on 2015 to 2017 monitoring data, only the West Alton site in the St. Louis area exceeds the standard. On April 30, 2018, EPA designated the City of St. Louis, St. Charles County, St. Louis County, and a portion of Franklin County (Boles Township) in Missouri as nonattainment for the 2015 ozone NAAQS. Jefferson County and the remainder of Franklin County were not included in the nonattainment area for the 2015 ozone NAAQS at that time. Then, in July 2021, as a result of federal litigation, EPA revised the designation for Jefferson County. This action changed Jefferson County from attainment to nonattainment and added it back into the St. Louis nonattainment area. All of Franklin County, with the exception of Boles Township, remains in attainment for the 2015 ozone NAAQS.

For more information, see [Ozone Pollutants and Sources](#) on the Missouri Department of Natural Resources website.



# Eight-hour Ozone Design Values<sup>a</sup>

Annual summary through June 5, 2022

Site	County	Fourth Highest Eight-Hour Ozone Averages					Critical Values	Exceedances > 70 ppb (2015 Std)	Design Values		
		Parts per billion (ppb) Year-to-date							Year-to-date		
		2018	2019	2020	2021	2022 <sup>cd</sup>	CV - 70	2022 <sup>c</sup>	18-20	19-21	20-22 <sup>c</sup>
<b>St. Louis</b>											
Arnold West	Jefferson	<b>71</b>	66	65	<b>73</b>	58	75	0	67	68	65
Blair Street*	St. Louis City	<b>77</b>	63	65	68	59	80	0	68	65	64
Foley West	Lincoln	68	64	65	60	59	88	0	65	63	61
Maryland Heights	St. Louis	70	69	<b>74</b>	65	60	74	0	<b>71</b>	69	66
Orchard Farm	St. Charles	<b>72</b>	69	65	65	64	83	0	68	66	64
Pacific	St. Louis	<b>71</b>	64	65	65	56	83	0	66	64	62
West Alton	St. Charles	<b>75</b>	67	<b>71</b>	67	63	75	2	<b>71</b>	68	67
<b>Ste. Genevieve</b>											
Bonne Terre	Ste. Genevieve	65	60	61	65	60	87	0	62	62	62
<b>Southeast</b>											
Farrar	Perry	66	61	59	67	64	87	0	62	62	63
<b>Kansas City</b>											
Liberty	Clay	<b>74</b>	63	65	66	56	82	0	67	64	62
RG South	Cass	66	64	58	63	54	92	0	62	61	58
Rocky Creek	Clay	<b>72</b>	62	65	<b>71</b>	57	77	0	66	66	64
Trimble	Clinton	69	62	63	63	59	87	0	64	62	61
Watkins Mill	Clay	<b>72</b>	63	65	65	55	83	0	66	64	61
<b>Springfield</b>											
Fellows Lake	Greene	63	60	53	60	60	100	0	58	57	57
Hillcrest H.S.	Greene	64	59	56	63	55	94	0	59	59	58
<b>Outstate</b>											
Alba	Jasper	66	61	56	64	63	93	1	61	60	61
El Dorado Springs	Cedar	64	57	57	59	58	97	0	59	57	58
Finger Lakes	Boone	63	58	57	58	53	98	0	59	57	56
Mark Twain*	Monroe	63	56	56	55	52	102	0	58	55	54
New Bloomfield	Callaway	64	58	58	61	55	94	0	60	59	58
Savannah	Andrew	67	60	61	61	57	91	0	62	60	59

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<sup>a</sup>Quality assured data through Dec. 31, 2021.

<sup>c</sup>Year-to-date preliminary data. Numbers may change as more data is collected over the year. Do not cite or quote.

<sup>d</sup>Fourth highest concentration measured year-to-date. Concentrations may change as more data is collected over the year.

\*Year-round ozone monitoring. Blair Street is a National (Ncore) multipollutant site and a Photochemical Assessment Monitoring Station (PAMS).

West Alton meets data completeness criteria with the EPA approval to allow counting 62 missing days when calculating the 2019 data completeness.

Design values in red and bold are violations of 2015 standard.

Fourth highest eight-hour averages in purple and bold are exceedances of the 2015 standard.



## Four Highest Eight-hour Ozone Values

Through June 5, 2022

2022<sup>c</sup>

Year-to-date in parts per billion (ppb)

<i>St. Louis</i>	1 <sup>st</sup> High	2 <sup>nd</sup> High	3 <sup>rd</sup> High	4 <sup>th</sup> High	CV - 70
Arnold West	70	64	60	58	75
Blair Street*	68	67	60	59	80
Foley West	68	62	61	59	88
Maryland Heights	66	63	63	60	74
Orchard Farm	68	66	65	64	83
Pacific	61	58	57	56	83
West Alton	<b>74</b>	<b>71</b>	67	63	75

### *Ste. Genevieve*

Bonne Terre	64	63	62	60	87
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### *Southeast*

Farrar	66	65	65	64	87
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### *Kansas City*

Liberty	61	57	56	56	82
RG South	60	58	58	54	92
Rocky Creek	62	59	57	57	77
Trimble	62	60	59	59	87
Watkins Mill	62	56	56	55	83

### *Springfield*

Fellows Lake	66	65	61	60	100
Hillcrest H.S.	66	60	57	55	94

### *Outstate*

Alba	<b>72</b>	69	64	63	93
El Dorado Springs	68	62	62	58	97
Finger Lakes	56	55	53	53	98
Mark Twain*	53	53	52	52	102
New Bloomfield	59	59	56	55	94
Savannah	61	58	58	57	91

#### CV - 70:

The critical value (CV) is the current year's fourth-highest value, which, if monitored, could yield a violation of the ozone standard for the most current three year period. (CV = 213 ppb – last year's fourth-highest value – previous year's fourth-highest value).

<sup>c</sup>Year-to-date preliminary data. Do not cite or quote.

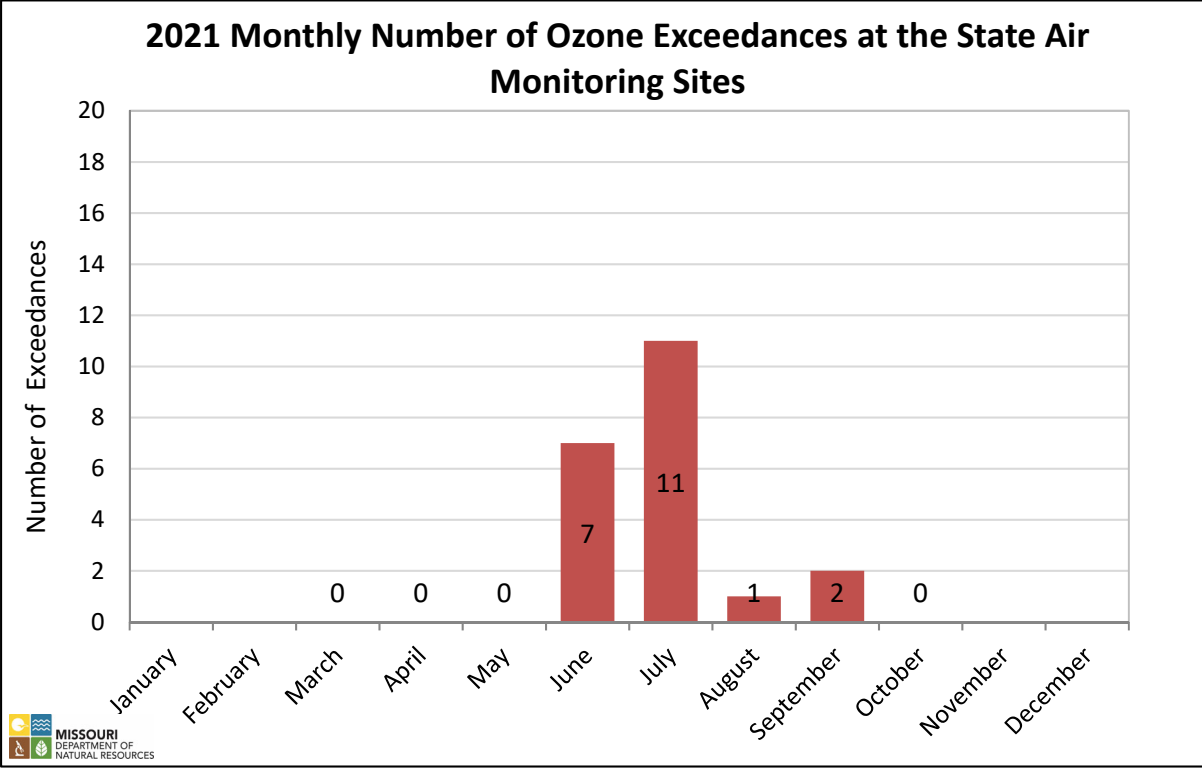
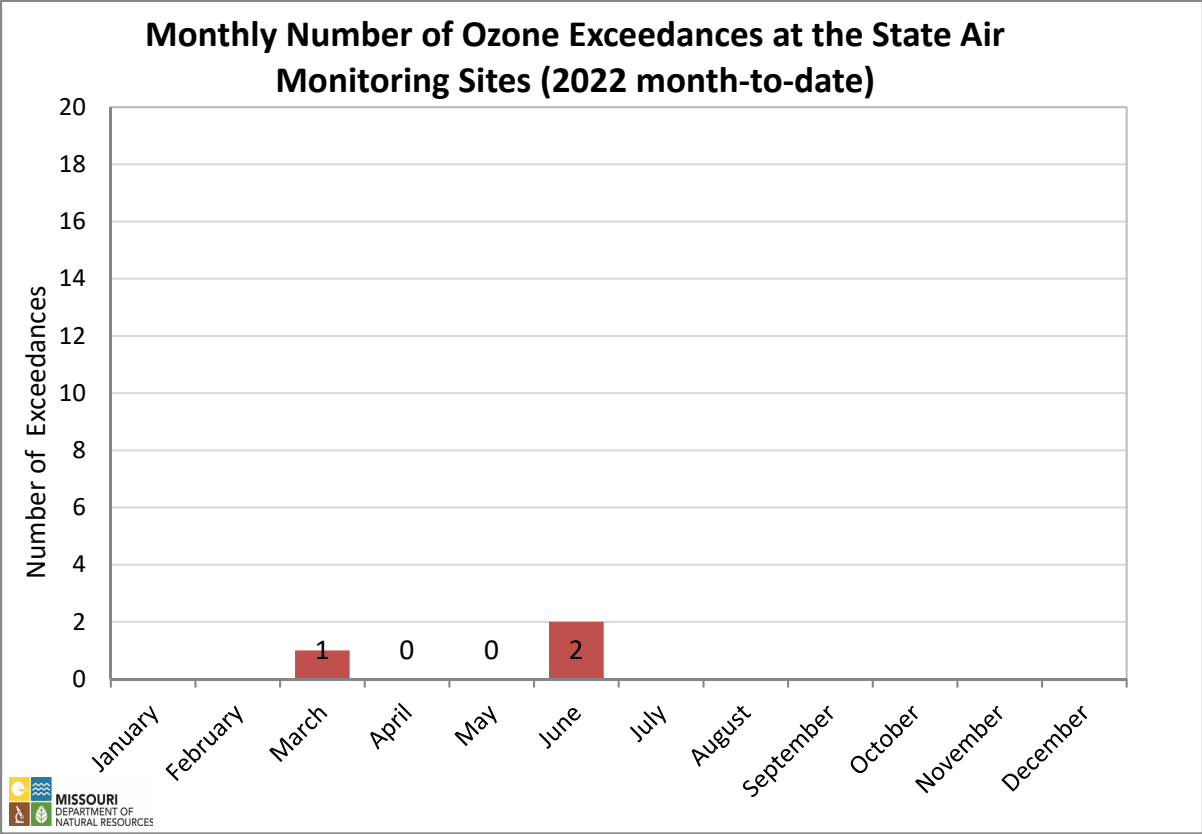
\*Year-round ozone monitoring. Blair Street is an Ncore and a PAMS site.

Averages in red and bold recorded from the primary monitor and exceed the 2015 standard.

Averages in green recorded from the secondary monitor, primary monitor inoperative at that time.

Averages in green and bold recorded from the secondary monitor and exceed the 2015 standard.







## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million <sup>^</sup>

Ozone Season is from March 1 to October 31

	Area's Maximum	Site's Maximum	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar
<b><i>St. Louis</i></b>										
	0.074									
Arnold West		0.070	0.050	0.055	0.038	0.041	0.046	0.030	0.035	0.039
Blair Street*		0.068	0.046	0.047	0.034	0.030	0.044	0.030	0.038	0.038
Foley West		0.068	0.052	0.057	0.042	0.041	0.048	0.038	0.040	0.044
Maryland Heights		0.066	0.048	0.054	0.040	0.041	0.048	0.033	0.037	0.039
Orchard Farm		0.068	0.049	0.049	0.038	0.033	0.045	0.036	0.040	0.039
Pacific		0.061	0.049	0.053	0.038	0.047	0.045	0.031	0.035	0.039
West Alton		0.074	0.050	0.049	0.040	0.033	0.047	0.036	0.040	0.042
<b><i>Ste. Genevieve</i></b>										
	0.064									
Bonne Terre		0.064	0.053	0.054	0.041	0.058	0.052	0.031	0.036	0.038
<b><i>Southeast</i></b>										
	0.066									
Farrar		0.066	0.050	0.064	0.044	0.055	0.051	0.031	0.036	0.042
<b><i>Kansas City</i></b>										
	0.062									
Liberty		0.061	0.045	0.050	0.040	0.061	0.045	0.035	0.043	0.040
RG South		0.060	0.045	0.049	0.039	0.060	0.042	0.032	0.039	0.043
Rocky Creek		0.062	0.044	0.049	0.041	0.062	0.045	0.036	0.044	0.044
Trimble		0.062	0.044	0.050	0.041	0.062	0.045	0.036	0.047	0.048
Watkins Mill		0.062	0.045	0.051	0.042	0.062	0.048	0.035	0.042	0.043
<b><i>Springfield</i></b>										
	0.066									
Fellows Lake		0.066	0.060	0.066	0.065	0.061	0.053	0.031	0.037	0.033
Hillcrest H.S.		0.066	0.055	0.060	0.066	0.054	0.049	0.030	0.036	0.031
<b><i>Outstate</i></b>										
	<b>0.072</b>									
Alba		<b>0.072</b>	0.063	0.069	<b>0.072</b>	0.064	0.046	0.030	0.037	0.033
El Dorado Springs		0.067	0.062	0.067	0.054	0.062	0.047	0.032	0.037	0.035
Finger Lakes		0.056	0.047	0.056	0.040	0.055	0.053	0.037	0.038	0.041
Mark Twain*		0.053	0.041	0.052	0.038	0.041	0.043	0.037	0.038	0.039
New Bloomfield		0.059	0.050	0.054	0.041	0.059	0.051	0.035	0.037	0.040
Savannah		0.061	0.042	0.048	0.042	0.058	0.045	0.038	0.046	0.049

<sup>^</sup>All the 2022 data have not been quality assured and the values are preliminary. Do not cite or quote.

\*Year-round ozone monitoring. Blair Street is an Ncore and a PAMS site.

Averages in red or bold recorded from the primary monitor and exceed the 2015 standard.

Averages in green recorded from the secondary monitor, primary monitor inoperative at that time.

Averages in green and bold recorded from the secondary monitor and exceed the standard.

The 'm' code is a placeholder for missing data on the primary and secondary monitors.

Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	9-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar
<b><i>St. Louis</i></b>											
Arnold West	0.045	0.027	0.040	0.041	0.050	0.050	0.047	0.052	0.048	0.042	0.042
Blair Street*	0.044	0.026	0.041	0.042	0.049	0.049	0.044	0.052	0.046	0.039	0.040
Foley West	0.043	0.031	0.045	0.043	0.051	0.054	0.050	0.054	0.051	0.045	0.043
Maryland Heights	0.045	0.028	0.042	0.042	0.050	0.051	0.048	0.054	0.050	0.044	0.040
Orchard Farm	0.044	0.030	0.044	0.041	0.048	0.050	0.050	0.055	0.051	0.045	0.039
Pacific	0.042	0.027	0.042	0.040	0.048	0.050	0.044	0.051	0.047	0.044	0.041
West Alton	0.045	0.030	0.044	0.043	0.050	0.051	0.048	0.056	0.052	0.043	0.040
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.047	0.033	0.043	0.042	0.048	0.050	0.049	0.052	0.051	0.044	0.043
<b><i>Southeast</i></b>											
Farrar	0.048	0.041	0.041	0.042	0.045	0.050	0.053	0.053	0.050	0.040	0.044
<b><i>Kansas City</i></b>											
Liberty	0.037	0.039	0.044	0.039	0.047	0.046	0.051	0.054	0.056	0.037	0.045
RG South	0.035	0.035	0.043	0.040	0.046	0.042	0.052	0.050	0.058	0.034	0.044
Rocky Creek	0.038	0.040	0.044	0.040	0.048	0.044	0.051	0.054	0.056	0.038	0.044
Trimble	0.037	0.040	0.044	0.041	0.048	0.046	0.054	0.055	0.050	0.038	0.045
Watkins Mill	0.037	0.039	0.045	0.041	0.048	0.047	0.052	0.055	0.055	0.035	0.045
<b><i>Springfield</i></b>											
Fellows Lake	0.045	0.038	0.046	0.046	0.051	0.049	0.044	0.051	0.053	0.046	0.045
Hillcrest H.S.	0.044	0.043	0.044	0.043	0.048	0.046	0.041	0.047	0.050	0.042	0.043
<b><i>Outstate</i></b>											
Alba	0.040	0.035	0.047	0.047	0.051	0.047	0.042	0.048	0.061	0.039	0.046
El Dorado Springs	0.040	0.037	0.048	0.044	0.050	0.046	0.044	0.051	0.058	0.039	0.046
Finger Lakes	0.039	0.034	0.046	0.044	0.048	0.050	0.046	0.048	0.053	0.030	0.042
Mark Twain*	0.036	0.033	0.041	0.040	0.046	0.046	0.042	0.045	0.045	0.028	0.039
New Bloomfield	0.038	0.033	0.046	0.043	0.047	0.047	0.043	0.046	0.049	0.038	0.042
Savannah	0.037	0.040	0.043	0.043	0.047	0.050	0.056	0.058	0.043	0.039	0.046

Cont.

### Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar
<b><u>St. Louis</u></b>											
Arnold West	0.047	0.051	0.043	0.025	0.028	0.039	0.042	0.042	0.042	0.043	0.041
Blair Street*	0.047	0.050	0.041	0.023	0.028	0.039	0.044	0.040	0.037	0.037	0.036
Foley West	0.050	0.057	0.046	0.029	0.033	0.041	0.044	0.043	0.043	0.044	0.043
Maryland Heights	0.048	0.054	0.044	0.026	0.029	0.039	0.042	0.042	0.040	0.043	0.041
Orchard Farm	0.047	0.053	0.045	0.027	0.031	0.040	0.043	0.040	0.041	0.041	0.039
Pacific	0.046	0.053	0.041	0.022	0.027	0.039	0.042	0.041	0.042	0.043	0.039
West Alton	0.049	0.055	0.046	0.026	0.032	0.040	0.044	0.041	0.043	0.042	0.036
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.049	0.053	0.044	0.032	0.026	0.041	0.045	0.042	0.045	0.045	0.042
<b><u>Southeast</u></b>											
Farrar	0.049	0.053	0.045	0.034	0.026	0.042	0.046	0.042	0.047	0.046	0.043
<b><u>Kansas City</u></b>											
Liberty	0.055	0.044	0.040	0.030	0.027	0.042	0.044	0.041	0.044	0.043	0.032
RG South	0.054	0.042	0.038	0.028	0.025	0.039	0.041	0.039	0.044	0.041	0.031
Rocky Creek	0.056	0.046	0.040	0.031	0.027	0.042	0.044	0.041	0.045	0.043	0.032
Trimble	0.056	0.047	0.042	0.031	0.028	0.042	0.043	0.040	0.043	0.043	0.032
Watkins Mill	0.056	0.046	0.041	0.030	0.029	0.042	0.043	0.041	0.044	0.043	0.033
<b><u>Springfield</u></b>											
Fellows Lake	0.056	0.050	0.043	0.030	0.028	0.040	0.045	0.044	0.051	0.043	0.040
Hillcrest H.S.	0.053	0.057	0.046	0.029	0.033	0.041	0.044	0.043	0.047	0.042	0.037
<b><u>Outstate</u></b>											
Alba	0.056	0.045	0.034	0.032	0.030	0.038	0.044	0.043	0.049	0.043	0.038
El Dorado Springs	0.056	0.047	0.037	0.030	0.028	0.036	0.045	0.044	0.050	0.044	0.036
Finger Lakes	0.050	0.053	0.043	0.028	0.030	0.039	0.041	0.041	0.043	0.044	0.039
Mark Twain*	0.045	0.047	0.040	0.027	0.031	0.036	0.039	0.038	0.039	0.038	0.038
New Bloomfield	0.048	0.050	0.039	0.024	0.030	0.039	0.042	0.039	0.041	0.040	0.037
Savannah	0.056	0.051	0.043	0.031	0.030	0.044	0.043	0.042	0.045	0.045	0.030



Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	10-Apr
<b><i>St. Louis</i></b>											
Arnold West	0.032	0.040	0.042	0.048	0.043	0.046	0.043	0.038	0.030	0.048	0.051
Blair Street*	0.033	0.038	0.043	0.047	0.044	0.045	0.044	0.038	0.030	0.048	0.049
Foley West	0.036	0.042	0.043	0.050	0.041	0.047	0.048	0.039	0.033	0.049	0.053
Maryland Heights	0.034	0.042	0.041	0.051	0.042	0.047	0.045	0.038	0.031	0.049	0.052
Orchard Farm	0.034	0.041	0.042	0.051	0.040	0.047	0.047	0.037	0.032	0.047	0.050
Pacific	0.028	0.041	0.042	0.046	0.041	0.043	0.042	0.037	0.030	0.047	0.050
West Alton	0.034	0.039	0.042	0.049	0.041	0.049	0.048	0.039	0.033	0.048	0.052
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.031	0.044	0.045	0.049	0.044	0.051	0.045	0.040	0.032	0.049	0.052
<b><i>Southeast</i></b>											
Farrar	0.033	0.045	0.044	0.049	0.039	0.053	0.046	0.042	0.033	0.049	0.052
<b><i>Kansas City</i></b>											
Liberty	0.033	0.043	0.046	0.048	0.041	0.046	0.040	0.036	0.039	0.047	0.055
RG South	0.032	0.042	0.043	0.045	0.039	0.045	0.039	0.036	0.037	0.048	0.053
Rocky Creek	0.034	0.043	0.047	0.049	0.041	0.046	0.039	0.036	0.039	0.048	0.054
Trimble	0.034	0.043	0.046	0.047	0.041	0.045	0.038	0.036	0.039	0.048	0.054
Watkins Mill	0.034	0.044	0.044	0.049	0.041	0.045	0.039	0.036	0.039	0.048	0.055
<b><i>Springfield</i></b>											
Fellows Lake	0.031	0.046	0.045	0.047	0.043	0.052	0.047	0.042	0.037	0.050	0.052
Hillcrest H.S.	0.030	0.047	0.044	0.044	0.041	0.050	0.045	0.040	0.024	0.037	0.043
<b><i>Outstate</i></b>											
Alba	0.031	0.048	0.046	0.048	0.041	0.051	0.046	0.040	0.040	0.051	0.050
El Dorado Springs	0.030	0.045	0.045	0.045	0.041	0.052	0.045	0.041	0.040	0.049	0.052
Finger Lakes	0.031	0.043	0.041	0.047	0.036	0.048	0.044	0.037	0.032	0.047	0.052
Mark Twain*	0.033	0.038	0.038	0.041	0.038	0.042	0.042	0.032	0.030	0.044	0.046
New Bloomfield	0.030	0.041	0.041	0.043	0.039	0.048	0.044	0.036	0.033	0.046	0.050
Savannah	0.036	0.044	0.046	0.040	0.043	0.036	0.037	0.036	0.041	0.050	0.054

Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
<b><i>St. Louis</i></b>											
Arnold West	0.041	0.038	0.034	0.045	0.045	0.041	0.034	0.044	0.046	0.042	0.047
Blair Street*	0.036	0.034	0.032	0.043	0.041	0.038	0.032	0.045	0.042	0.039	0.041
Foley West	0.043	0.037	0.035	0.045	0.047	0.043	0.036	0.049	0.048	0.043	0.040
Maryland Heights	0.041	0.038	0.035	0.044	0.046	0.041	0.035	0.044	0.047	0.042	0.048
Orchard Farm	0.037	0.036	0.033	0.041	0.044	0.040	0.036	0.047	0.044	0.042	0.040
Pacific	0.037	0.037	0.034	0.043	0.044	0.042	0.033	0.043	0.045	0.042	0.048
West Alton	0.040	0.036	0.034	0.044	0.046	0.040	0.037	0.045	0.046	0.042	0.043
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.041	0.040	0.035	0.046	0.044	0.043	0.035	0.045	0.050	0.044	0.040
<b><i>Southeast</i></b>											
Farrar	0.045	0.041	0.035	0.044	0.044	0.043	0.037	0.045	0.050	0.044	0.038
<b><i>Kansas City</i></b>											
Liberty	0.047	0.039	0.032	0.047	0.043	0.044	0.035	0.048	0.045	0.037	0.046
RG South	0.046	0.037	0.029	0.053	0.040	0.043	0.036	0.045	0.043	0.037	0.045
Rocky Creek	0.048	0.040	0.032	0.045	0.042	0.044	0.037	0.048	0.045	0.039	0.046
Trimble	0.047	0.041	0.034	0.045	0.042	0.043	0.035	0.049	0.045	0.038	0.045
Watkins Mill	0.047	0.039	0.032	0.047	0.042	0.043	0.036	0.048	0.045	0.039	0.045
<b><i>Springfield</i></b>											
Fellows Lake	0.042	0.035	0.029	0.047	0.041	0.043	0.039	0.048	0.050	0.046	0.038
Hillcrest H.S.	0.037	0.032	0.029	0.043	0.036	0.042	0.038	0.045	0.046	0.043	0.031
<b><i>Outstate</i></b>											
Alba	0.041	0.036	0.033	0.048	0.039	0.042	0.035	0.045	0.048	0.043	0.030
El Dorado Springs	0.041	0.036	0.031	0.050	0.041	0.043	0.037	0.049	0.048	0.043	0.040
Finger Lakes	0.044	0.035	0.031	0.043	0.042	0.042	0.034	0.044	0.048	0.040	0.041
Mark Twain*	0.043	0.030	0.029	0.041	0.037	0.040	0.032	0.043	0.043	0.036	0.037
New Bloomfield	0.035	0.034	0.030	0.043	0.043	0.040	0.035	0.045	0.048	0.039	0.043
Savannah	0.050	0.042	0.036	0.047	0.042	0.047	0.038	0.050	0.046	0.040	0.044

Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May	2-May
<b><i>St. Louis</i></b>											
Arnold West	0.043	0.048	0.035	0.036	0.047	0.052	0.051	0.045	0.043	0.048	0.031
Blair Street*	0.042	0.048	0.033	0.036	0.047	0.051	0.045	0.039	0.040	0.048	0.029
Foley West	0.045	0.049	0.039	0.040	0.047	0.055	0.046	0.050	0.053	0.051	0.038
Maryland Heights	0.044	0.048	0.036	0.036	0.046	0.052	0.045	0.045	0.046	0.048	0.034
Orchard Farm	0.042	0.047	0.035	0.037	0.046	0.052	0.044	0.046	0.049	0.046	0.036
Pacific	0.044	0.047	0.034	0.037	0.046	0.053	0.042	0.043	0.046	0.048	0.032
West Alton	0.046	0.051	0.034	0.038	0.044	0.055	0.049	0.047	0.048	0.048	0.037
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.046	0.048	0.037	0.036	0.049	0.053	0.052	0.062	0.048	0.051	0.036
<b><i>Southeast</i></b>											
Farrar	0.049	0.049	0.036	0.038	0.051	0.052	0.053	0.065	0.043	0.051	0.032
<b><i>Kansas City</i></b>											
Liberty	0.039	0.042	0.042	0.049	0.050	0.052	0.047	0.051	0.046	0.052	0.033
RG South	0.037	0.038	0.041	0.046	0.048	0.047	0.041	0.051	0.046	0.047	0.031
Rocky Creek	0.040	0.043	0.042	0.049	0.051	0.052	0.050	0.052	0.046	0.052	0.034
Trimble	0.039	0.044	0.043	0.049	0.052	0.054	0.052	0.052	0.046	0.051	0.033
Watkins Mill	0.040	0.042	0.042	0.049	0.051	0.052	0.048	0.052	0.047	0.051	0.035
<b><i>Springfield</i></b>											
Fellows Lake	0.046	0.044	0.036	0.044	0.049	0.053	0.050	0.057	0.056	0.050	0.045
Hillcrest H.S.	0.043	0.043	0.034	0.041	0.048	0.050	0.046	0.055	0.054	0.049	0.041
<b><i>Outstate</i></b>											
Alba	0.043	0.043	0.037	0.043	0.048	0.051	0.045	0.046	0.045	0.051	0.036
El Dorado Springs	0.043	0.042	0.036	0.046	0.050	0.050	0.042	0.058	0.055	0.050	0.041
Finger Lakes	0.044	0.046	0.039	0.040	0.048	0.051	0.046	0.051	0.053	0.051	0.036
Mark Twain*	0.039	0.045	0.039	0.041	0.045	0.049	0.042	0.050	0.053	0.046	0.036
New Bloomfield	0.043	0.045	0.036	0.041	0.047	0.048	0.045	0.055	0.055	0.048	0.033
Savannah	0.043	0.043	0.044	0.050	0.055	0.057	0.055	0.054	0.043	0.052	0.034

Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May
<b><u>St. Louis</u></b>											
Arnold West	0.030	0.033	0.023	0.033	0.051	0.050	0.038	0.033	0.046	0.058	0.056
Blair Street*	0.028	0.033	0.021	0.034	0.048	0.047	0.040	0.036	0.049	0.057	0.048
Foley West	0.031	0.039	0.031	0.040	0.050	0.054	0.041	0.040	0.047	0.059	0.061
Maryland Heights	0.029	0.038	0.025	0.035	0.050	0.050	0.039	0.037	0.050	0.060	0.066
Orchard Farm	0.030	0.040	0.028	0.038	0.050	0.050	0.041	0.045	0.053	0.064	0.066
Pacific	0.026	0.033	0.025	0.033	0.050	0.048	0.037	0.030	0.044	0.052	0.058
West Alton	0.032	0.041	0.028	0.038	0.052	0.049	0.043	0.045	0.051	0.067	0.060
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.037	0.033	0.025	0.036	0.053	0.050	0.041	0.034	0.033	0.052	0.045
<b><u>Southeast</u></b>											
Farrar	0.044	0.035	0.025	0.035	0.050	0.048	0.045	0.044	0.039	0.058	0.052
<b><u>Kansas City</u></b>											
Liberty	0.034	0.030	0.031	0.044	0.050	0.040	0.042	0.042	0.047	0.053	0.052
RG South	0.031	0.031	0.029	0.041	0.044	0.037	0.037	0.037	0.046	0.050	0.051
Rocky Creek	0.035	0.031	0.030	0.043	0.051	0.042	0.053	0.045	0.057	0.057	0.054
Trimble	0.035	0.030	0.029	0.044	0.051	0.042	0.046	0.049	0.057	0.060	0.055
Watkins Mill	0.032	0.030	0.031	0.044	0.050	0.042	0.043	0.044	0.048	0.054	0.049
<b><u>Springfield</u></b>											
Fellows Lake	0.034	0.032	0.038	0.037	0.049	0.045	0.038	0.035	0.039	0.055	0.047
Hillcrest H.S.	0.032	0.031	0.036	0.037	0.048	0.042	0.037	0.033	0.038	0.050	0.047
<b><u>Outstate</u></b>											
Alba	0.036	0.030	0.033	0.033	0.048	0.041	0.037	0.031	0.046	0.053	0.042
El Dorado Springs	0.036	0.033	0.038	0.043	0.048	0.043	0.038	0.034	0.045	0.054	0.043
Finger Lakes	0.028	0.032	0.033	0.042	0.050	0.044	0.038	0.037	0.038	0.048	0.053
Mark Twain*	0.029	0.033	0.032	0.042	0.047	0.044	0.034	0.031	0.034	0.039	0.053
New Bloomfield	0.029	0.029	0.030	0.042	0.049	0.042	0.036	0.032	0.035	0.044	0.050
Savannah	0.036	0.033	0.032	0.046	0.052	0.043	0.046	0.046	0.055	0.055	0.055

Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May
<b><u>St. Louis</u></b>											
Arnold West	0.048	0.052	0.052	0.050	0.048	0.039	0.038	0.031	0.036	0.046	0.040
Blair Street*	0.059	0.052	0.052	0.056	0.043	0.039	0.040	0.031	0.036	0.043	0.038
Foley West	0.052	0.048	0.053	0.056	0.045	0.045	0.039	0.039	0.038	0.045	0.042
Maryland Heights	0.055	0.050	0.052	0.052	0.046	m	0.036	0.036	0.035	0.046	0.043
Orchard Farm	0.061	0.048	0.051	0.057	0.044	0.046	0.036	0.040	0.038	0.044	0.043
Pacific	0.044	0.047	0.051	0.045	0.046	0.037	0.033	0.031	0.034	0.047	0.037
West Alton	0.063	0.052	0.054	0.062	0.044	0.047	0.041	0.038	0.039	0.045	0.044
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.050	0.043	0.052	0.047	0.046	0.040	0.043	0.030	0.036	0.044	0.028
<b><u>Southeast</u></b>											
Farrar	0.059	0.046	0.060	0.054	0.045	0.050	0.051	0.035	0.038	0.045	0.030
<b><u>Kansas City</u></b>											
Liberty	0.057	0.048	0.053	0.047	0.052	0.054	0.045	0.032	0.045	0.044	0.039
RG South	0.058	0.045	0.052	0.044	0.048	0.046	0.042	0.029	0.044	0.040	0.034
Rocky Creek	0.059	0.047	0.051	0.054	0.052	0.047	0.046	0.031	0.046	0.044	0.039
Trimble	0.059	0.046	0.052	0.056	0.054	0.059	0.047	0.033	0.047	0.045	0.040
Watkins Mill	0.056	0.044	0.051	0.049	0.045	0.055	0.041	0.030	0.043	0.044	0.037
<b><u>Springfield</u></b>											
Fellows Lake	0.049	0.034	0.051	0.049	0.049	0.039	0.044	0.033	0.034	0.035	0.032
Hillcrest H.S.	0.047	0.033	0.051	0.048	0.046	0.037	0.041	0.032	0.035	0.035	0.030
<b><u>Outstate</u></b>											
Alba	0.053	0.038	0.051	0.045	0.046	0.044	0.045	0.040	0.037	0.035	0.024
El Dorado Springs	0.053	0.035	0.052	0.045	0.049	0.042	0.044	0.037	0.039	0.039	0.026
Finger Lakes	0.051	0.043	0.051	0.044	0.045	0.040	0.040	0.024	0.038	0.044	0.040
Mark Twain*	0.051	0.040	0.047	0.045	0.040	0.044	0.036	0.025	0.036	0.042	0.039
New Bloomfield	0.051	0.046	0.053	0.040	0.047	0.040	0.050	0.034	0.036	0.045	0.036
Savannah	0.061	0.049	0.053	0.055	0.054	0.055	0.050	0.034	0.050	0.040	0.035

Cont.

## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	25-May	26-May	27-May	28-May	29-May	30-May	31-May	1-Jun	2-Jun	3-Jun	4-Jun
<b><i>St. Louis</i></b>											
Arnold West	0.026	0.033	0.026	0.042	0.049	0.049	0.032	0.041	0.046	0.060	0.070
Blair Street*	0.025	0.031	0.024	0.046	0.050	0.053	0.036	0.040	0.050	0.060	0.067
Foley West	0.033	0.033	0.028	0.042	0.048	0.046	0.040	0.030	0.050	0.055	0.062
Maryland Heights	0.028	0.033	0.027	0.046	0.051	0.049	0.037	0.037	0.048	0.058	0.063
Orchard Farm	0.030	0.035	0.029	0.050	0.051	0.049	0.036	0.036	0.050	0.054	0.065
Pacific	0.027	0.028	0.025	0.035	0.047	0.044	0.029	0.034	0.044	0.056	0.057
West Alton	m	0.037	0.027	0.050	0.053	0.055	0.037	0.038	0.047	0.053	<b>0.071</b>
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.032	0.034	0.027	0.038	0.050	0.052	0.034	0.037	0.044	0.064	0.060
<b><i>Southeast</i></b>											
Farrar	0.029	0.040	0.027	0.049	0.056	0.057	0.041	0.044	0.051	0.064	0.066
<b><i>Kansas City</i></b>											
Liberty	0.029	0.030	0.047	0.045	0.047	0.041	0.040	0.029	0.051	0.056	0.042
RG South	0.030	0.026	0.053	0.042	0.046	0.037	0.036	0.027	0.054	0.054	0.037
Rocky Creek	0.029	0.028	0.052	0.048	0.049	0.042	0.044	0.030	0.051	0.054	0.043
Trimble	0.029	0.023	0.051	0.051	0.050	0.043	0.044	0.032	0.050	0.054	0.045
Watkins Mill	0.031	0.027	0.044	0.044	0.046	0.041	0.035	0.025	0.048	0.054	0.043
<b><i>Springfield</i></b>											
Fellows Lake	0.042	0.029	0.046	0.039	0.056	0.051	0.035	0.035	0.042	0.052	0.060
Hillcrest H.S.	0.036	0.027	0.046	0.038	0.054	0.049	0.034	0.033	0.042	0.052	0.057
<b><i>Outstate</i></b>											
Alba	0.032	0.029	0.048	0.042	0.049	0.042	0.030	0.034	0.046	0.052	0.053
El Dorado Springs	0.036	0.030	0.052	0.042	0.048	0.041	0.030	0.031	0.053	0.050	0.052
Finger Lakes	0.028	0.024	0.034	0.039	0.052	0.050	0.033	0.023	0.045	0.052	0.052
Mark Twain*	0.031	0.030	0.035	0.033	0.040	0.039	0.029	0.025	0.046	0.048	0.049
New Bloomfield	0.029	0.029	0.038	0.037	0.052	0.049	0.034	0.031	0.048	0.054	0.056
Savannah	0.023	0.031	0.053	0.051	0.047	0.043	0.050	0.032	0.053	0.052	0.044

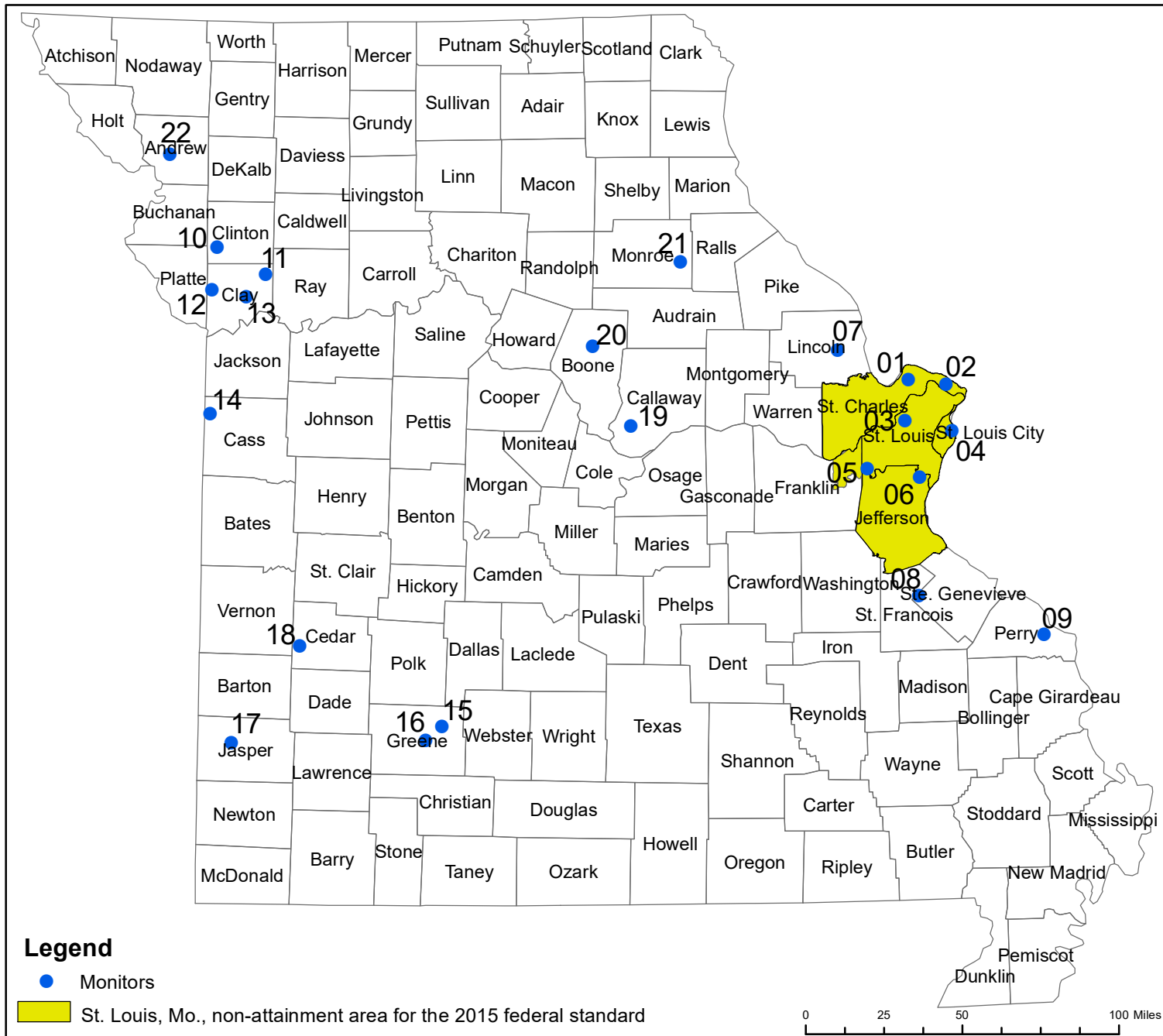
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## Daily 2022 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun
<b><i>St. Louis</i></b>											
Arnold West	0.064										
Blair Street*	0.068										
Foley West	0.068										
Maryland Heights	0.063										
Orchard Farm	0.068										
Pacific	0.061										
West Alton	<b>0.074</b>										
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.063										
<b><i>Southeast</i></b>											
Farrar	0.065										
<b><i>Kansas City</i></b>											
Liberty	0.044										
RG South	0.043										
Rocky Creek	0.051										
Trimble	0.050										
Watkins Mill	0.043										
<b><i>Springfield</i></b>											
Fellows Lake	0.048										
Hillcrest H.S.	0.046										
<b><i>Outstate</i></b>											
Alba	0.040										
El Dorado Springs	0.042										
Finger Lakes	0.053										
Mark Twain*	0.052										
New Bloomfield	0.059										
Savannah	0.050										

# Missouri Ozone (O3) Monitoring Network, 2022



## Legend

● Monitors

■ St. Louis, Mo., non-attainment area for the 2015 federal standard

0 25 50 100 Miles

### St. Louis Area

- 01 Orchard Farm
- 02 West Alton
- 03 Maryland Heights
- 04 Blair Street\*\*
- 05 Pacific
- 06 Arnold West
- 07 Foley West

### Ste. Genevieve Area

- 08 Bonne Terre

### Southeast Area

- 09 Farrar

### Kansas City Area

- 10 Trimble
- 11 Watkins Mill State Park
- 12 Rocky Creek
- 13 Liberty
- 14 Richards Gebaur-South

### Springfield Area

- 15 Fellows Lake
- 16 Hillcrest High School

### Outstate Area

- 17 Alba
- 18 El Dorado Springs
- 19 New Bloomfield
- 20 Finger Lakes State Park
- 21 Mark Twain State Park\*\*
- 22 Savannah

