



Air Quality Modeling Technical Support Document  
for the  
2008 Ozone NAAQS Transport Assessment

Office of Air Quality Planning and Standards  
United States Environmental Protection Agency  
January 2015

## **1. Introduction**

In this technical support document (TSD) we describe the air quality modeling performed to help states address the requirements of Clean Air Act (CAA) Section 110(a)(2)(D)(i)(I), or “Good Neighbor SIPs,” for the 2008 ozone National Ambient Air Quality Standards (NAAQS)<sup>1</sup>. In this document, air quality modeling is used to project ozone concentrations at individual monitoring sites to 2018<sup>2</sup> and to estimate state-by-state contributions to those 2018 concentrations. The projected 2018 ozone concentrations are used to identify ozone monitoring sites that are projected to be nonattainment or have maintenance problems for the 2008 ozone NAAQS in 2018 (i.e., 2018 nonattainment and maintenance receptors). Ozone contribution information is then used to quantify projected interstate contributions from emissions in each state to ozone concentrations at projected 2018 nonattainment and maintenance receptors in other states (i.e., in downwind states).

The remaining sections of this TSD are as follows. Section 2 describes the air quality modeling platform and the evaluation of model predictions using measured concentrations. Section 3 defines the procedures for projecting ozone concentrations to 2018 and the approach for identifying monitoring sites with projected nonattainment and/or maintenance problems. Section 4 describes (1) the source contribution (i.e., apportionment) modeling and (2) the procedures for quantifying contributions to nonattainment and/or maintenance receptors. For questions on the information in this TSD please contact Norm Possiel at [possiel.norm@epa.gov](mailto:possiel.norm@epa.gov) or (919) 541-5692. An electronic copy of the ozone design values and ozone contributions presented in this TSD can be obtained at [www.epa.gov/airtransport](http://www.epa.gov/airtransport).

## **2. Air Quality Modeling Platform**

EPA has developed a 2011-based air quality modeling platform which includes emissions, meteorology and other inputs for 2011. The 2011 base year emissions were projected to a future year scenario, 2018. The 2011 modeling platform and projected 2018 emissions were used to drive the 2011 and 2018 air quality model simulations. The base year 2011 platform was

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<sup>1</sup> The EPA revised the levels of the primary and secondary 8-hour ozone standards to 0.075 parts per million (ppm). 40 CFR 50.15. 73 FR 16436 (March 27, 2008).

<sup>2</sup> 2018 was selected as the future year analytic base case because 2018 corresponds to the attainment date for ozone nonattainment areas classified as Moderate.

chosen in part because it represents the most recent, complete set of base year emissions information currently available for national-scale air quality modeling.

### *2.1 Air Quality Model Configuration*

The photochemical model simulations performed for this ozone transport assessment used the Comprehensive Air Quality Model with Extensions (CAMx version 6.10) (Environ, 2014). CAMx is a three-dimensional grid-based Eulerian air quality model designed to simulate the formation and fate of oxidant precursors, primary and secondary particulate matter concentrations, and deposition over regional and urban spatial scales (e.g., the contiguous U.S.). Consideration of the different processes (e.g., transport and deposition) that affect primary (directly emitted) and secondary (formed by atmospheric processes) pollutants at the regional scale in different locations is fundamental to understanding and assessing the effects of emissions on air quality concentrations. CAMx was applied with the carbon-bond 6 revision 2 (CB6r2) gas-phase chemistry mechanism<sup>3</sup> (Ruiz and Yarwood, 2013) and the Zhang dry deposition scheme (Zhang, et al., 2003).

Figure 2-1 shows the geographic extent of the modeling domain that was used for air quality modeling in this analysis. The domain covers the 48 contiguous states along with the southern portions of Canada and the northern portions of Mexico. This modeling domain contains 25 vertical layers with a top at about 17,550 meters, or 50 millibars (mb), and horizontal grid resolution of 12 km x 12 km. The model simulations produce hourly air quality concentrations for each 12 km grid cell across the modeling domain.

CAMx requires a variety of input files that contain information pertaining to the modeling domain and simulation period. These include gridded, hourly emissions estimates and meteorological data, and initial and boundary concentrations. Separate emissions inventories were prepared for the 2011 base year and the 2018 base case. All other inputs (i.e. meteorological fields, initial concentrations, and boundary concentrations) were specified for the

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<sup>3</sup> The “chemparam.2\_CF” chemical parameter file was used in the CAMx model simulations.

2011 base year model application and remained unchanged for the future-year model simulations.



Figure 2-1. Map of the CAMx modeling domain used for transport modeling.

## 2.2 Characterization of 2011 Summer Meteorology

Meteorological conditions including temperature, humidity, winds, solar radiation, and vertical mixing affect the formation and transport of ambient ozone concentrations. Ozone is more readily formed on warm, sunny days when the air is stagnant. Conversely, ozone production is more limited on days that are cloudy, cool, rainy, and windy (<http://www.epa.gov/airtrends/weather.html>). Statistical modeling analyses have shown that temperature and certain other meteorological variables are highly correlated with the magnitude of ozone concentrations (Camalier, et al., 2007).

In selecting a year for air quality modeling it is important to simulate a variety of meteorological conditions that are generally associated with elevated air quality (EPA, 2014c). Specifically for ozone, modeled time periods should reflect meteorological conditions that frequently correspond with observed 8-hour daily maximum concentrations greater than the

NAAQS at monitoring sites in nonattainment areas (EPA, 2014c). However, because of inter-annual variability in weather patterns it is not possible to identify a single year that will be representative of “typical” meteorological conditions within each region of the U.S.

As part of the development of the 2011 modeling platform we have examined the temperature and precipitation regimes across the U.S. in 2011 compared to long-term, climatological normal (i.e., average) conditions. Table 2-1 describes the observed 2011 surface temperature anomalies (i.e., departure from normal) for individual months from May through September relative to the period 1895-2011 for each of the nine National Oceanic and Atmospheric Administration (NOAA) climate regions shown in Figure 2-2. The aggregate temperature and precipitation anomalies by state for the core summer months, June through August, are shown in Figures 2-3 and 2-4, respectively. Overall, temperatures were warmer than normal during the summer of 2011 in nearly all regions, except for the West and Northwest. Record warmth occurred in portions of the South and Southwest regions. The summer months experienced below average precipitation for much of the southern and southeastern US, whereas wetter conditions than average were experienced in California and in several northern tier states. Extensive drought conditions occurred in portions of the southern Great Plains states. The warmer and dryer conditions were associated with a strong upper air ridge over the central U.S during the summer of 2011. While warmer than the long-term normal, 2011 summer temperatures in the U.S. were comparable to those in several other recent years. For example, 2006, 2007, 2010, 2012 were also all among the ten warmest on record. Analysis of meteorological-adjusted trends in seasonal mean ozone for the period 2000 through 2012 indicates that, on a regional basis, the summer of 2011 was not atypical in terms of being either overly conducive or unconducive to the formation of ozone in most regions of the U.S. compared to other years during this time period (see Figures 2-5). In Figure 2-5, those years with downward adjustments were generally more conducive to ozone formation than years that were adjusted upward. For example, in the Northeast region, the years 2002, 2005, 2007, 2010, 2011, and 2012 were more conducive to ozone formation than 2000, 2003, 2004, 2006, and 2009.

Table 2-1. Surface temperature anomalies in 2011 binned by month and geographic region.\*

2011	May	Jun	Jul	Aug	Sep
Northeast	W	W	WW	N	WW
Southeast	N	WW	WW	WW	N
Ohio Valley	N	W	WW	W	C
Upper Midwest	N	N	WW	W	N
South	N	WW	WWW	WWW	N
Northern Rockies	C	N	W	W	W
Southwest	C	W	WW	WWW	W
Northwest	CC	C	C	W	WW
West	C	C	N	W	WW

\*Unshaded boxes with the “N” marker represent near-normal temperatures that fall within the interquartile range. Blue colors indicate cooler than normal conditions, with the number of “C”s indicating the degree of the anomaly. CCC = coolest on record, CC = coolest 10<sup>th</sup> percentile, C = coolest 25<sup>th</sup> percentile. Red colors indicate warmer than normal conditions, with the number of “W”s indicating the degree of the anomaly. WWW = warmest on record, WW = warmest 10<sup>th</sup> percentile, W = warmest 25<sup>th</sup> percentile.

U.S. Climate Regions

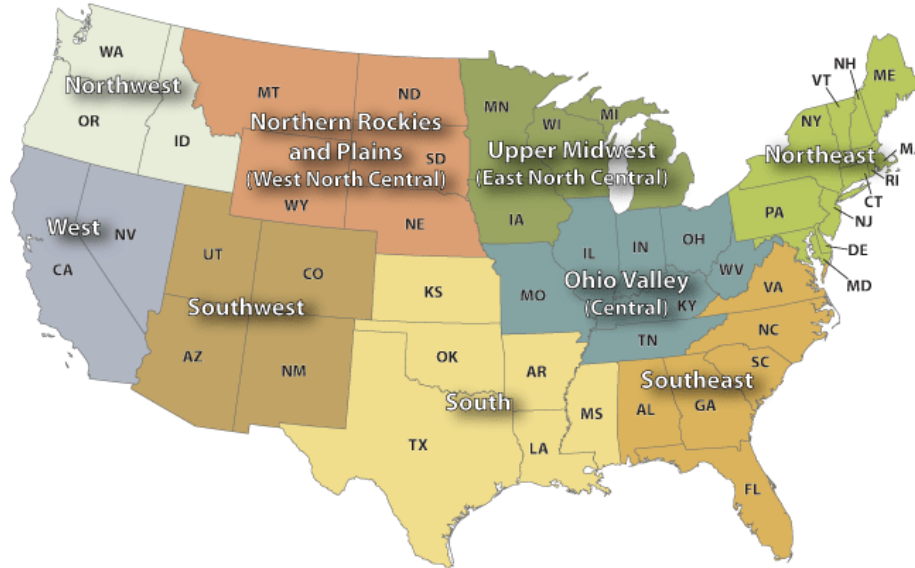


Figure 2-2. U.S. climate regions.  
<http://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-regions.php>

## Jun-Aug 2011 Statewide Rank

National Climatic Data Center/NESDIS/NOAA

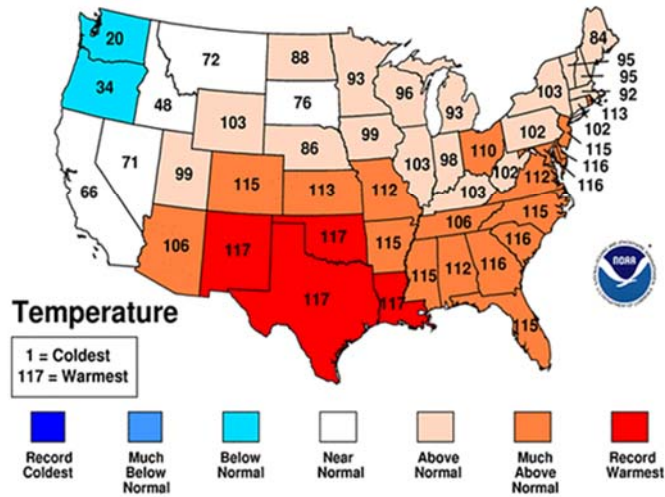


Figure 2-3. Statewide rank of temperatures in 2011 relative to 1895-2011 period. (<http://www.ncdc.noaa.gov/temp-and-precip/maps.php>)

## June-August 2011 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA

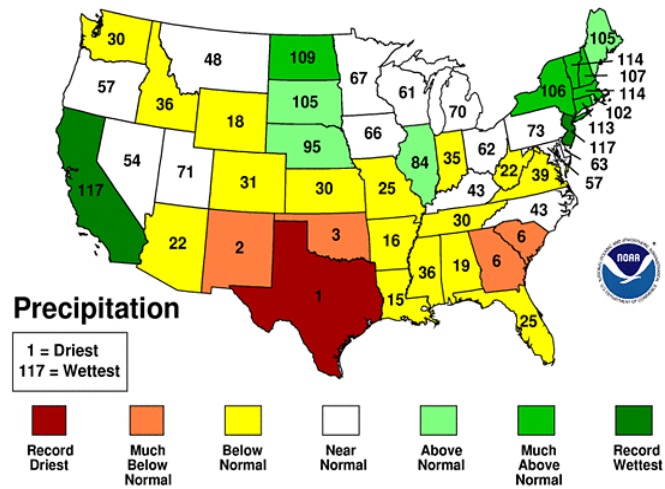


Figure 2-4. Statewide rank of precipitation in 2011 relative to 1895-2011 period. (<http://www.ncdc.noaa.gov/temp-and-precip/maps.php>)

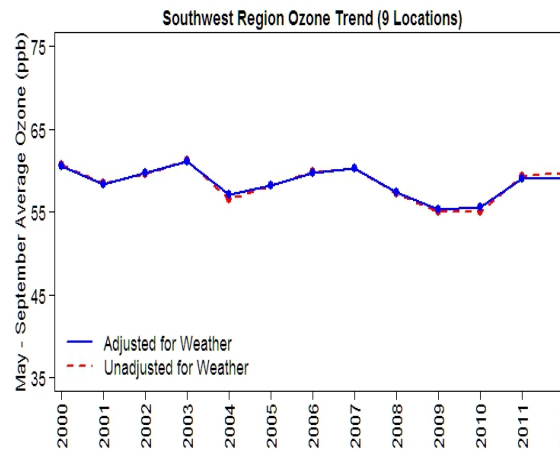
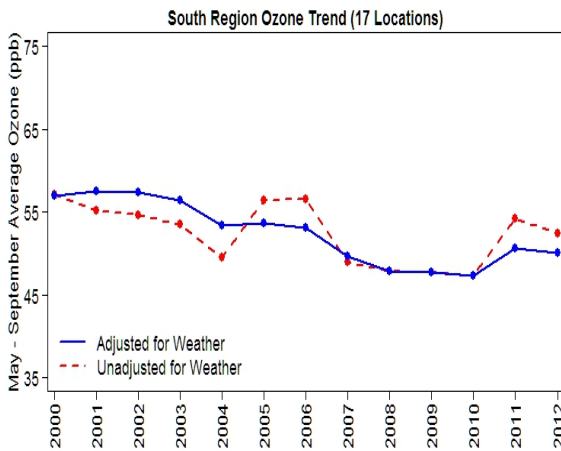
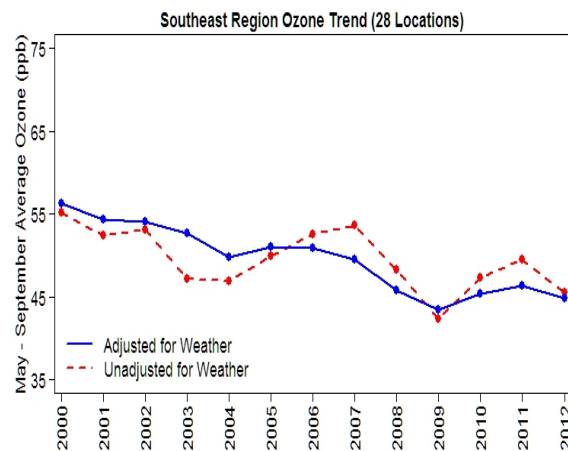
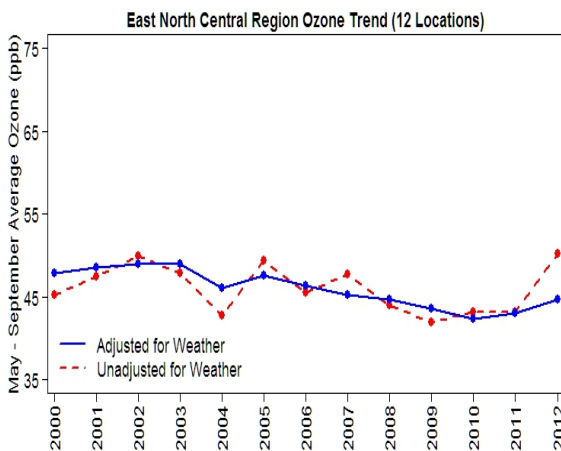
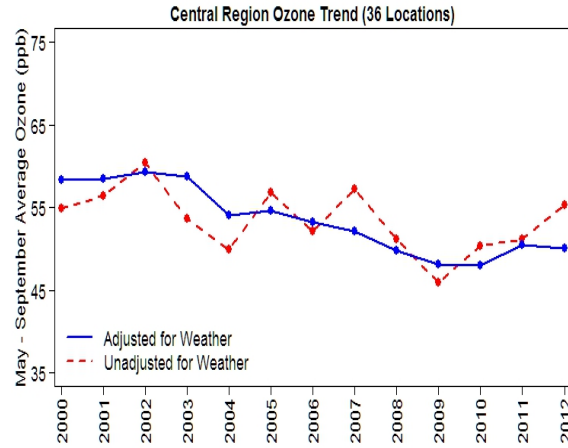
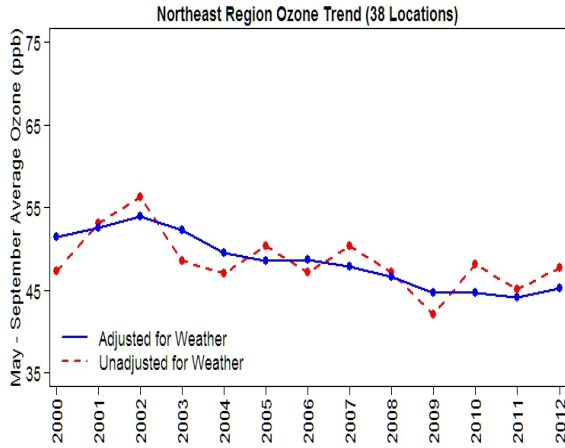


Figure 2-5a. Meteorological-adjusted ozone trends by climate region: Northeast, Central (Ohio Valley), East North Central (Upper Midwest), Southeast, South, and Southwest. (<http://www.epa.gov/airtrends/weather.html>)



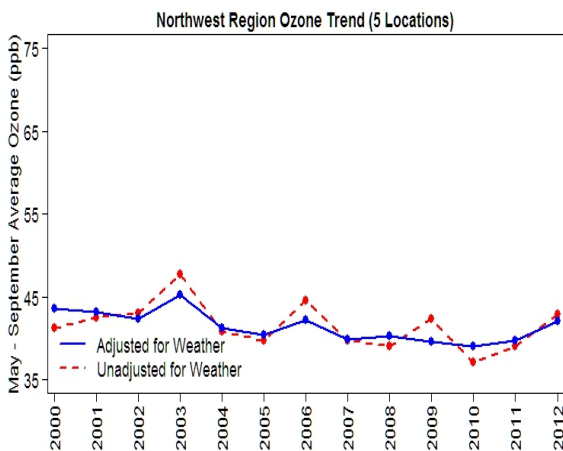
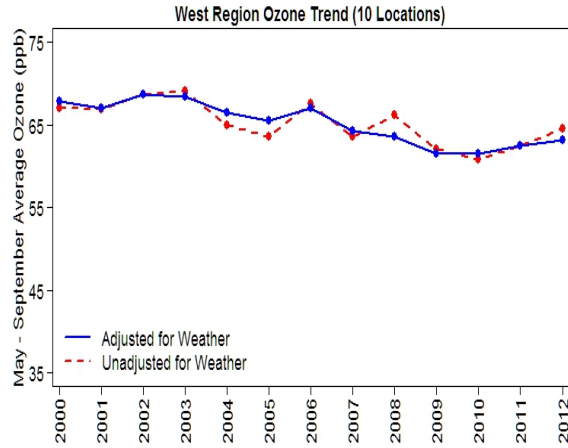
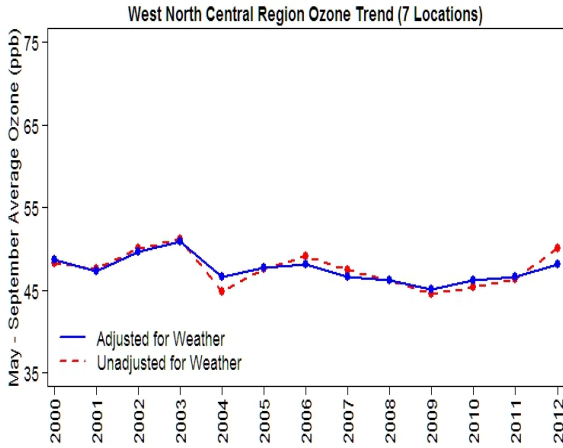


Figure 2-5b. Meteorological-adjusted ozone trends by climate region: West North Central (Northern Rockies and Plains), West, and Northwest. (<http://www.epa.gov/airtrends/weather.html>)

### 2.3 Meteorological Data for 2011

The meteorological data for air quality modeling of 2011 were derived from running Version 3.4 of the Weather Research Forecasting Model (WRF) (Skamarock, et al., 2008). The meteorological outputs from WRF include hourly-varying horizontal wind components (i.e., speed and direction), temperature, moisture, vertical diffusion rates, and rainfall rates for each grid cell in each vertical layer. Selected physics options used in the WRF simulation include Pleim-Xiu land surface model (Xiu and Pleim, 2001; Pleim and Xiu, 2003), Asymmetric Convective Model version 2 planetary boundary layer scheme (Pleim 2007a,b), Kain-Fritsch cumulus parameterization (Kain, 2004) utilizing the moisture-advection trigger (Ma and Tan, 2009), Morrison double moment microphysics (Morrison, et al., 2005; Morrison and Gettelman, 2008), and RRTMG longwave and shortwave radiation schemes (Iacono, et al., 2008).

The WRF model simulation was initialized using the 12km North American Model (12NAM) analysis product provided by the National Climatic Data Center (NCDC). Where 12NAM data were unavailable, the 40km Eta Data Assimilation System (EDAS) analysis (ds609.2) from the National Center for Atmospheric Research (NCAR) was used. Analysis nudging for temperature, wind, and moisture was applied above the boundary layer only. The model simulations were conducted in 5.5 day blocks with soil moisture and temperature carried from one block to the next via the ipxwrf program (Gilliam and Pleim, 2010). Landuse and land cover data were based on the 2006 National Land Cover Database (NLCD2006) data.<sup>4</sup> Sea surface temperatures at 1 km resolution were obtained from the Group for High Resolution Sea Surface Temperatures (GHRSSST) (Stammer, et al., 2003). As shown in Table 2-2, the WRF simulations were performed with 35 vertical layers up to 50 mb, with the thinnest layers being nearest the surface to better resolve the planetary boundary layer (PBL). The WRF 35-layer structure was collapsed to 25 layers for the CAMx air quality model simulations, as shown in Table 2-2.

Table 2-2. WRF and CAMx layers and their approximate height above ground level.

CAMx Layers	WRF Layers	Sigma P	Pressure (mb)	Approximate Height (m AGL)
25	35	0.00	50.00	17,556
	34	0.05	97.50	14,780
24	33	0.10	145.00	12,822
	32	0.15	192.50	11,282
23	31	0.20	240.00	10,002
	30	0.25	287.50	8,901
22	29	0.30	335.00	7,932
	28	0.35	382.50	7,064
21	27	0.40	430.00	6,275
	26	0.45	477.50	5,553
20	25	0.50	525.00	4,885
	24	0.55	572.50	4,264
19	23	0.60	620.00	3,683

<sup>4</sup> The 2006 NLCD data are available at [http://www.mrlc.gov/nlcd06\\_data.php](http://www.mrlc.gov/nlcd06_data.php)

CAMx Layers	WRF Layers	Sigma P	Pressure (mb)	Approximate Height (m AGL)
18	22	0.65	667.50	3,136
17	21	0.70	715.00	2,619
16	20	0.74	753.00	2,226
15	19	0.77	781.50	1,941
14	18	0.80	810.00	1,665
13	17	0.82	829.00	1,485
12	16	0.84	848.00	1,308
11	15	0.86	867.00	1,134
10	14	0.88	886.00	964
9	13	0.90	905.00	797
	12	0.91	914.50	714
8	11	0.92	924.00	632
	10	0.93	933.50	551
7	9	0.94	943.00	470
	8	0.95	952.50	390
6	7	0.96	962.00	311
5	6	0.97	971.50	232
4	5	0.98	981.00	154
	4	0.99	985.75	115
3	3	0.99	990.50	77
2	2	1.00	995.25	38
1	1	1.00	997.63	19

Details of the annual 2011 meteorological model simulation and evaluation are provided in a separate technical support document (US EPA, 2014a) which can be obtained at [http://www.epa.gov/ttn/scram/reports/MET\\_TSD\\_2011\\_final\\_11-26-14.pdf](http://www.epa.gov/ttn/scram/reports/MET_TSD_2011_final_11-26-14.pdf)

The meteorological data generated by the WRF simulations were processed using a modified version of the wrfcamx v4.0 (Environ, 2013) meteorological data processing program to create model-ready meteorological inputs to CAMx. The modification to wrfcamx included reactivating the wrfcamx option to analyze sub-grid stratiform clouds from the WRF output in order to more fully account for the effects of clouds on photolysis rates. In running wrfcamx, vertical eddy diffusivities ( $K_v$ ) were calculated using the Yonsei University (YSU) (Hong and

Dudhia, 2006) mixing scheme. We used a minimum Kv of 0.1 m<sup>2</sup>/sec except for urban grid cells where the minimum Kv was reset to 1.0 m<sup>2</sup>/sec within the lowest 200 m of the surface in order to enhance mixing associated with the nighttime “urban heat island” effect.

#### *2.4 Initial and Boundary Concentrations*

The lateral boundary and initial species concentrations are provided by a three-dimensional global atmospheric chemistry model, GEOS-Chem (Yantosca, 2004) standard version 8-03-02 with 8-02-01 chemistry. The global GEOS-Chem model simulates atmospheric chemical and physical processes driven by assimilated meteorological observations from the NASA’s Goddard Earth Observing System (GEOS-5; additional information available at: <http://gmao.gsfc.nasa.gov/GEOS/> and <http://wiki.seas.harvard.edu/geos-chem/index.php/GEOS-5>). This model was run for 2011 with a grid resolution of 2.0 degrees x 2.5 degrees (latitude-longitude). The predictions were used to provide one-way dynamic boundary concentrations at one-hour intervals and an initial concentration field for the CAMx simulations. The 2011 boundary concentrations from GEOS-Chem were used for the 2011 and 2018 model simulations. The procedures for translating GEOS-Chem predictions to initial and boundary concentrations are described elsewhere (Henderson, 2014). More information about the GEOS-Chem model and other applications using this tool is available at: <http://www-as.harvard.edu/chemistry/trop/geos>.

#### *2.5 Emissions Inventories*

CAMx requires detailed emissions inventories containing temporally allocated (i.e., hourly) emissions for each grid-cell in the modeling domain for a large number of chemical species that act as primary pollutants and precursors to secondary pollutants. Annual emission inventories for 2011 and 2018 were preprocessed into CAMx-ready inputs using the Sparse Matrix Operator Kernel Emissions (SMOKE) modeling system (Houyoux et al., 2000).<sup>5</sup>

The 2011 base year and 2018 base case emissions inventories are described in a separate emissions inventory technical support document: Preparation of Emissions Inventories for the

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<sup>5</sup> The SMOKE output emissions case name for the 2011 base year is “2011ed\_v6\_11f” and the emissions case name for the 2018 base case is “2018ed\_v6\_11f”.

Version 6.0, 2011 Emissions Modeling Platform (US EPA, 2014b).<sup>6</sup> That technical support document also describes the control and growth assumptions by source type that were used to create the 2018 base case emissions inventory. Below we summarize the characteristics of the 2018 base case emissions for each major source category. Annual emissions of NO<sub>x</sub> and VOC from all anthropogenic sources for the 2011 base year and 2018 base case in each state and the District of Columbia are provided in Table 2-2. Note that the EPA released the 2011 and 2018 emissions inventories for public review on November 27, 2013 (78 FR 70935) and January 14, 2014 (79 FR 2437), respectively. The air quality modeling presented in this Air Quality Modeling TSD pre-dates, and therefore does not reflect, comments received from this public review process of the 2011 and 2018 emissions inventories.

The 2018 electric generating unit (EGU) projected inventory represents demand growth, fuel resource availability, generating technology cost and performance, and other economic factors affecting power sector behavior. The EGU emissions were developed using the Integrated Planning Model (IPM) version 5.13

(<http://www.epa.gov/powersectormodeling/BaseCasev513.html>). IPM is a multiregional, dynamic, deterministic linear programming model of the U.S. electric power sector. IPM reflects the expected 2018 emissions accounting for the effects of environmental rules and regulations, consent decrees and settlements, plant closures, units built, control devices installed, and forecast unit construction through the calendar year 2018. In this analysis, the projected EGU emissions include impacts from the Final Mercury and Air Toxics Standard announced on December 21, 2011 and the Clean Air Interstate Rule (CAIR) issued March 10, 2005.<sup>7</sup>

Projections for most stationary emission sources other than EGUs (i.e., non-EGUs) were developed by using the EPA Control Strategy Tool (CoST) to create future year inventories.<sup>8</sup> The 2018 base case non-EGU stationary source emissions inventory includes all enforceable

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<sup>6</sup> This document is available at [http://www.epa.gov/ttn/chief/emch/2011v6/outreach/2011v6\\_2018base\\_EmisMod\\_TSD\\_26feb2014.pdf](http://www.epa.gov/ttn/chief/emch/2011v6/outreach/2011v6_2018base_EmisMod_TSD_26feb2014.pdf)

<sup>7</sup> The EGU projections reflect CAIR and not the Cross State Air Pollution Rule (CSAPR) because at the time of the modeling CSAPR had been vacated by the D.C. Circuit Court. In addition, the EGU projections used for this analysis pre-date and do not reflect the expected impacts from the proposed Clean Power Plan (CPP) issued in June 2014.

<sup>8</sup> CoST is described at <http://www.epa.gov/ttnecas1/cost.htm>.

national rules and programs as of November 2013. This includes the Reciprocating Internal Combustion Engines (RICE) and cement manufacturing National Emissions Standards for Hazardous Air Pollutants (NESHAPs) and Boiler Maximum Achievable Control Technology (MACT) reconsideration reductions. Projection factors and percent reductions for non-EGU point sources reflect emissions reductions due to national and local rules, control programs, plant closures, consent decrees and settlements. Projection approaches for corn ethanol and biodiesel plants, refineries and upstream impacts represent the Energy Independence and Security Act (EISA) renewable fuel standards mandate in the Renewable Fuel Standards Program (RFS2). Airport-specific terminal area forecast (TAF) data were used for aircraft to account for projected changes in landing/takeoff activity.

Regional projection factors for point and nonpoint oil and gas emissions were developed by product type using Annual Energy Outlook (AEO) 2013 projections to year 2018 (<http://www.eia.gov/forecasts/aeo/>). Stationary engine criteria air pollutant (CAP) co-benefit reductions (i.e., from the RICE NESHAP) and New Source Performance Standards (NSPS) VOC controls were applied to oil and gas sources.

Projection factors for the remaining nonpoint sources such as stationary source fuel combustion, industrial processes, solvent utilization, and waste disposal reflect recent rulemakings and include emission reductions due to control programs. Portable fuel container (PFC) projection factors reflect the impact of the final Mobile Source Air Toxics (MSAT2) rule. Upstream impacts from EISA, including post-2011 cellulosic ethanol plants are also reflected in the 2018 emissions inventory.

For onroad, nonroad, and commercial marine vessel mobile sources, all national measures for which data were available at the time of modeling have been included. The 2011 and 2018 onroad mobile source emissions were developed using emissions factors derived from the version of the MOtor Vehicle Emission Simulator (MOVES) that was used for the Tier-3 proposed rule (EPA, 2013). The emissions factors for 2018 were developed using the same meteorology and procedures that were used to produce the 2011 emission factors. The onroad mobile source emissions were computed using SMOKE to combine the county-, vehicle type-,

and temperature-specific emission factors with vehicle miles traveled and vehicle population activity data, while taking into account hourly gridded temperature data.

The MOVES-based 2018 onroad emissions account for changes in activity data and the impact of on-the-books national rules including: the proposed Tier 3 Vehicle Emission and Fuel Standards Program,<sup>9</sup> the Light-Duty Vehicle Tier 2 Rule, the Heavy Duty Diesel Rule, the Mobile Source Air Toxics Rule, the Renewable Fuel Standard (RFS2), the Light Duty Green House Gas/Corporate Average Fuel Efficiency (CAFÉ) standards for 2012-2016, the Heavy-Duty Vehicle Greenhouse Gas Rule, the 2017 and the Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Average Fuel Economy Standards Rule (LD GHG). The MOVES-based 2018 emissions also include state rules related to the adoption of LEV standards, inspection and maintenance programs, Stage II refueling controls, and local fuel restrictions. For California, the base case emissions include most of that state's on-the-books regulations, such as those for idling of heavy-duty vehicles, chip reflash, public fleets, track trucks, drayage trucks, and heavy duty trucks and buses. The California emissions do not reflect the impacts of the GHG/Smartway regulation, nor do they reflect state GHG regulations for the projection of other emission sectors because that information was not included in the inventories provided to EPA by the state of California.

The nonroad mobile 2018 emissions, including railroads and commercial marine vessel emissions also include all national control programs. These control programs include the Locomotive-Marine Engine rule, the Nonroad Spark Ignition rule and the Class 3 commercial marine vessel Emissions Control Area- International Marine Organization (i.e., ECA-IMO) program. For California, the 2018 emissions for these categories reflect the state's Off-Road Construction Rule for "In-Use Diesel", cargo handling equipment rules in-place as of 2011 (<http://www.arb.ca.gov/ports/cargo/cargo.htm>), and state rules through 2011 related to Transportation Refrigeration Units, the Spark-Ignition Marine Engine and Boat Regulations adopted on July 24, 2008 for pleasure craft, and the 2007 and 2010 regulations to reduce emissions from commercial harbor craft.

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<sup>9</sup> The 2018 mobile source emissions reflect the proposed Tier-3 rule because the 2018 emissions used for this assessment were developed prior to March 2014 when the Tier-3 rule was finalized.

For ocean-going vessels, the emissions data reflect the 2005 voluntary Vessel Speed Reduction (VSR) within 20 nautical miles, the 2007 and 2008 auxiliary engine rules, the 40 nautical mile VSR program, the 2009 Low Sulfur Fuel regulation, the 2009-2018 cold ironing regulation, the use of 1% sulfur fuel in the ECA zone, the 2012-2015 Tier 2 NO<sub>x</sub> controls, the 2016 0.1% sulfur fuel regulation in ECA zone, and the 2016 IMO Tier 3 NO<sub>x</sub> controls. Non-U.S. and U.S. category 3 commercial marine emissions were projected to 2018 using consistent methods that incorporated controls based on ECA and IMO global NO<sub>x</sub> and SO<sub>2</sub> controls.

All modeled 2011 and 2018 emissions cases use the 2006 Canada emissions data. Note that 2006 is the latest year for which Canada has provided data at the time the modeling was performed, and no accompanying future-year projected inventories were provided in a form suitable for this analysis. For Mexico, 2012 and 2018 projections of the 1999 Mexico National Emissions Inventory were used, as described in the associated technical memorandum: Mexico 2018 Emissions Projections for Point, Area, On-Road Motor Vehicle and Nonroad Mobile Sources (ERG, 2009). Offshore emissions for Mexico represent the year 2008 because 2011 emissions were not available as of the time of the modeling.

Emissions for wildfires and prescribed burning for 2011 were treated as point source, day-specific emissions, as described in the Emissions Inventory TSD. Emissions from biogenic sources were calculated using the Biogenic Emission Inventory System, version 3.14 (BEIS3.14). The 2011-specific biogenic and fire emissions were used for the 2011 base year and 2018 base case modeling.

### *2.6 Air Quality Model Evaluation*

An operational model performance evaluation for ozone was conducted to estimate the ability of the CAMx v6.10 modeling system to replicate 2011 measured concentrations. This evaluation focused on statistical assessments of model predictions versus observations paired in time and space depending on the sampling period of measured data. Details on the evaluation methodology and the calculation of performance statistics are provided in Appendix A. Overall, the ozone model performance statistics for the CAMx 2011 simulation are within or close to the ranges found in other recent peer-reviewed applications (Simon et al, 2012). The model performance results, as described in Appendix A, demonstrate that the predictions from the 2011



modeling platform closely replicate the corresponding observed concentrations in terms of the magnitude, temporal fluctuations, and geographic differences for 8-hour daily maximum ozone. These results give us confidence that our application of CAMx using this 2011 modeling platform provides a scientifically credible approach for assessing ozone concentrations relevant for the transport assessment described in this TSD.

### 3. Identification of Future Nonattainment and Maintenance Receptor Sites

The ozone predictions from the 2011 and 2018 CAMx model simulations were used to project ambient (i.e., measured) ozone design values to 2018 following the approach described in EPA’s draft guidance for attainment demonstration modeling (EPA, 2014c),<sup>10</sup> as summarized below. The modeling guidance recommends using 5-year weighted average ambient design values<sup>11</sup> centered on the base year as the starting point for projecting design values to the future. Because 2011 is the base year of emissions, we started with the average ambient 8-hour ozone design values for the period 2009 through 2013 (i.e., the average of design values for 2009-2011, 2010-2012 and 2011-2013). The 5-year weighted average ambient design value at each site was projected to 2018 using the Model Attainment Test Software program (Abt Associates, 2014). This program calculates the 5-year weighted average DV based on observed data and projects future year values using the relative response predicted by the model. Equation (3-1) describes the recommended model attainment test in its simplest form, as applied for monitoring site *i*:

$$(DVF)_i = (RRF)_i * (DVB)_i \quad \text{Equation 3-1}$$

$DVF_i$  is the estimated design value for the future year at monitoring site *i*;  $RRF_i$  is the relative response factor for monitoring site *i*; and  $DVB_i$  is the base period design value monitored at site *i*. The relative response factor for each monitoring site  $(RRF)_i$  is the fractional change in 8-hour daily maximum ozone between the base and future year. The RRF is based on the average ozone on model-predicted “high” ozone days in grid cells in the vicinity of the monitoring site. The modeling guidance recommends calculating RRFs based on the highest 10 modeled ozone days in the 2011 base year simulation. Specifically, the RRF was calculated based on the 10 highest days in the 2011 base year modeling for the monitor location. In cases for which the base year

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<sup>10</sup> EPA’s draft ozone attainment demonstration modeling guidance is referred to as “the modeling guidance” in the remainder of this document.

<sup>11</sup> The air quality design value for a site is the 3-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration.

model simulation did not have 10 days with ozone values greater than or equal to 60 ppb at a site, we used all days with ozone  $\geq$  60 ppb, as long as there were at least 5 days that meet that criteria. At monitor locations with less than 5 days with modeled 2011 base year ozone  $\geq$  60 ppb, no RRF or DVF was calculated for the site and the monitor in question was not included in this analysis.

In determining the ozone RRF we considered model response in grid cells immediately surrounding the monitoring site along with the grid cell in which the monitor is located, as is recommended by the modeling guidance. The RRF was based on a 3 x 3 array of 12 km grid cells centered on the location of the grid cell containing the monitor. On each high ozone day, the grid cell with the highest base year ozone value in the 3 x 3 array surrounding the location of the monitoring site was used for both the base and future components of the RRF calculation.

The 2018 projected average ozone design values were evaluated to identify those sites with design values that exceed the 2008 ozone NAAQS.<sup>12</sup> The sites with 2018 average design values that exceed the NAAQS are projected to be nonattainment in 2018 (i.e., nonattainment receptors).

We followed the approach in the Cross State Air Pollution Rule (CSAPR) to identify sites with a projected maintenance problem in 2018 (76 FR 48208). As part of the approach for identifying sites with projected future maintenance problems, the highest (i.e., maximum) ambient design value from the 2011-centered 5-year period (i.e., the maximum of design values from 2009-2011, 2010-2012 and 2011-2013) was projected to 2018 for each site using the site-specific RRFs. Monitoring sites with a 2018 average design values below the NAAQS but a *maximum* design value that exceeds the NAAQS are projected to have a maintenance problems in 2018 (i.e., maintenance-only receptors).

The 2009-2013 base period ambient and projected 2018 base case average and maximum design values at individual monitoring sites are provided in Appendix B. In 2018 there are 11 projected nonattainment receptors and 18 projected maintenance-only receptors in the Eastern

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<sup>12</sup> In determining compliance with the NAAQS, ozone design values are truncated to integer values. For example, a design value of 75.9 ppb is truncated to 75 ppb which is attainment. In this manner, design values at or above 76.0 ppb are considered nonattainment.

U.S.<sup>13</sup> The projected 2018 nonattainment sites in the East are located in four nonattainment areas: Baltimore, MD; New York City, NY (sites in both NY and CT); Dallas, TX; and Houston, TX. Note that several of these nonattainment areas also contain additional sites that are projected as maintenance receptors. Also, there are five projected maintenance-only areas in the East: Holland, MI; Louisville, KY; Philadelphia, PA (including sites in both NJ and PA); St. Louis, MO; and Sheboygan, WI. In the Western U.S.<sup>14</sup> there are 52 projected 2018 nonattainment and/or maintenance receptors in California and no projected nonattainment receptors outside of California. The only location in the West outside of California with a projected maintenance-only receptor is Denver, CO.<sup>15</sup>

The ambient and 2018 projected average and maximum ozone design values at each of the 2018 nonattainment and maintenance-only receptors in the East are provided in Tables 3-1 and 3-2, respectively.<sup>16</sup> In Tables 3-3 and 3-4 we provide similar information for the 2018 nonattainment and maintenance-only receptors in the West.

Table 3-1. Ambient and 2018 projected average and maximum 8-hour ozone design values (DVs) at 2018 nonattainment receptors in the East (units are ppb).

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Connecticut	Fairfield	90013007	84.3	89.0	76.7	81.0
Connecticut	Fairfield	90019003	83.7	87.0	77.5	80.6
Maryland	Harford	240251001	90.0	93.0	79.4	82.1
New York	Suffolk	361030002	83.3	85.0	78.2	79.8
Texas	Brazoria	480391004	88.0	89.0	80.5	81.4
Texas	Denton	481210034	84.3	87.0	77.0	79.5
Texas	Harris	482010024	80.3	83.0	76.4	79.0
Texas	Harris	482011034	81.0	82.0	76.6	77.6

<sup>13</sup> For the purposes of this document we include the 37 states and the District of Columbia in the region from Texas northward to North Dakota and eastward to the East Coast as comprising the Eastern U.S.

<sup>14</sup> For the purposes of this document we include the following 11 states as comprising the Western U.S.: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>15</sup> This site is located in Douglas County, CO (site ID 80350004). There are flagged but “unconcurrent” potential exceptional events that could affect the current and projected 2018 maximum design value for this site. Exceptional events are described in the 2007 Exceptional Events Rule. See 72 Federal Register 13560 (March 22, 2007), 40 CFR Part 50.1, 40 CFR Part 50.14 and 40 CFR Part 51.930.

<sup>16</sup> Nonattainment receptors have a 2018 average design value of  $\geq 76.0$  ppb. Maintenance receptors have a 2018 average design values  $< 76.0$  ppb, but 2018 maximum design value of  $\geq 76.0$  ppb.

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Texas	Harris	482011039	82.0	84.0	77.7	79.6
Texas	Tarrant	484392003	87.3	90.0	79.7	82.2
Texas	Tarrant	484393009	86.0	86.0	78.3	78.3

Table 3-2. Ambient and 2018 projected average and maximum 8-hour ozone design values (DV's) at 2018 maintenance-only receptors in the East (units are ppb).

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Connecticut	Fairfield	90010017	80.3	83.0	74.1	76.6
Connecticut	New Haven	90099002	85.7	89.0	75.8	78.8
Kentucky	Jefferson	211110067	82.0	85.0	73.7	76.4
Michigan	Allegan	260050003	82.7	86.0	74.5	77.5
Missouri	Saint Charles	291831002	82.3	86.0	74.1	77.4
New Jersey	Camden	340071001	82.7	87.0	72.3	76.0
New Jersey	Gloucester	340150002	84.3	87.0	74.0	76.3
New York	Richmond	360850067	81.3	83.0	74.6	76.2
Pennsylvania	Philadelphia	421010024	83.3	87.0	74.7	78.0
Texas	Collin	480850005	82.7	84.0	75.0	76.2
Texas	Dallas	481130069	79.7	84.0	73.7	77.7
Texas	Dallas	481130075	82.0	83.0	75.2	76.1
Texas	Denton	481211032	82.7	84.0	75.1	76.3
Texas	Harris	482010029	83.0	84.0	75.4	76.3
Texas	Harris	482010055	81.3	83.0	75.0	76.6
Texas	Tarrant	484390075	82.0	83.0	75.5	76.4
Texas	Tarrant	484393011	80.7	83.0	74.2	76.3
Wisconsin	Sheboygan	551170006	84.3	87.0	75.4	77.8

Table 3-3. Ambient and 2018 projected average and maximum 8-hour ozone design values (DV's) at 2018 nonattainment receptors in the West (units are ppb).

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
California	Fresno	60190007	94.7	95.0	88.3	88.5
California	Fresno	60190011	93.0	96.0	86.8	89.6
California	Fresno	60190242	91.7	95.0	85.8	88.9

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
California	Fresno	60194001	90.7	92.0	83.1	84.3
California	Fresno	60195001	97.0	99.0	89.8	91.7
California	Imperial	60251003	81.0	82.0	77.9	78.8
California	Kern	60290007	91.7	96.0	85.6	89.6
California	Kern	60290008	86.3	88.0	78.3	79.9
California	Kern	60290014	87.7	89.0	81.8	83.0
California	Kern	60290232	87.3	89.0	81.4	83.0
California	Kern	60295002	90.0	91.0	83.9	84.8
California	Kern	60296001	84.3	86.0	78.0	79.6
California	Kings	60311004	87.0	90.0	79.9	82.6
California	Los Angeles	60370002	80.0	82.0	77.9	79.8
California	Los Angeles	60370016	94.0	97.0	91.5	94.4
California	Los Angeles	60371002	80.0	81.0	76.6	77.6
California	Los Angeles	60371201	90.0	90.0	87.0	87.0
California	Los Angeles	60371701	84.0	85.0	82.4	83.4
California	Los Angeles	60372005	79.5	82.0	78.3	80.8
California	Los Angeles	60376012	97.3	99.0	93.3	94.9
California	Los Angeles	60379033	90.0	91.0	84.2	85.1
California	Madera	60392010	85.0	86.0	79.0	80.0
California	Merced	60470003	82.7	84.0	77.0	78.2
California	Placer	60610006	84.0	86.0	77.0	78.8
California	Riverside	60650004	85.0	85.0	80.4	80.4
California	Riverside	60650012	97.3	99.0	91.3	92.9
California	Riverside	60651016	100.7	101.0	93.8	94.1
California	Riverside	60652002	84.3	85.0	78.9	79.5
California	Riverside	60655001	92.3	93.0	86.3	86.9
California	Riverside	60656001	94.0	98.0	86.3	90.0
California	Riverside	60658001	97.0	98.0	92.1	93.0
California	Riverside	60658005	92.7	94.0	88.0	89.2
California	Riverside	60659001	88.3	91.0	81.0	83.5
California	Sacramento	60670012	93.3	95.0	84.9	86.5
California	Sacramento	60675003	86.3	88.0	78.8	80.4
California	San Bernardino	60710005	105.0	107.0	101.9	103.8
California	San Bernardino	60710012	95.0	97.0	89.8	91.7
California	San Bernardino	60710306	83.7	85.0	80.0	81.2
California	San Bernardino	60711004	96.7	98.0	94.4	95.7
California	San Bernardino	60712002	101.0	103.0	98.7	100.6
California	San Bernardino	60714001	94.3	97.0	90.6	93.2
California	San Bernardino	60714003	105.0	107.0	100.6	102.6

State	County	Site ID	2009 - 2013 Avg DV <sub>s</sub>	2009 - 2013 Max DV <sub>s</sub>	2018 Avg DV <sub>s</sub>	2018 Max DV <sub>s</sub>
California	San Bernardino	60719002	92.3	94.0	86.8	88.4
California	San Bernardino	60719004	98.7	99.0	94.6	94.9
California	Stanislaus	60990006	87.0	88.0	81.9	82.8
California	Tulare	61070006	81.7	85.0	76.0	79.0
California	Tulare	61070009	94.7	96.0	86.1	87.2
California	Tulare	61072002	85.0	88.0	77.4	80.2
California	Tulare	61072010	89.0	90.0	81.2	82.1
California	Ventura	61112002	81.0	83.0	77.0	78.9

Table 3-4. Ambient and 2018 projected average and maximum 8-hour ozone design values (DV<sub>s</sub>) at 2018 maintenance-only receptors in the West (units are ppb).

State	County	Site ID	2009 - 2013 Avg DV <sub>s</sub>	2009 - 2013 Max DV <sub>s</sub>	2018 Avg DV <sub>s</sub>	2018 Max DV <sub>s</sub>
California	El Dorado	60170020	82.7	84.0	75.3	76.5
California	Kern	60290011	80.0	81.0	75.2	76.2
California	Placer	60610003	83.0	85.0	75.6	77.4
California	San Diego	60731006	81.0	82.0	75.1	76.0
Colorado	Douglas	80350004	80.7	83.0	74.4	76.5

#### 4. Ozone Contribution Modeling

The EPA performed nationwide,<sup>17</sup> state-level ozone source apportionment modeling using the CAMx OSAT/APCA technique<sup>18</sup> (ENVIRON, 2014) to quantify the contribution of 2018 base case NO<sub>x</sub> and VOC emissions from all sources in each state to projected 2018 ozone concentrations at air quality monitoring sites. In the source apportionment model run, we tracked the ozone formed from each of the following contribution categories (i.e., “tags”):

- States – anthropogenic NO<sub>x</sub> and VOC emissions from each state tracked individually (emissions from all anthropogenic sectors in a given state were combined);
- Biogenics – biogenic NO<sub>x</sub> and VOC emissions domainwide (i.e., not by state);

<sup>17</sup> As shown in Figure 2-1, the EPA’s nationwide modeling includes the 48 contiguous states.

<sup>18</sup> As part of this technique, ozone formed from reactions between biogenic VOC and NO<sub>x</sub> with anthropogenic NO<sub>x</sub> and VOC are assigned to the anthropogenic emissions.

- Boundary Concentrations – concentrations transported into the nationwide modeling domain;
- Tribes – the aggregate of emissions from those tribal lands for which we have point source inventory data in the 2011 NEI (i.e., we did not model the contribution from individual tribes); and
- Other – combined emissions from wild and prescribed fires, offshore emissions from marine vessels, offshore drilling platforms and anthropogenic emissions from the portions of Canada and Mexico within the modeling domain.

The CAMx OSAT/APCA model run was performed for the period May 1 through September 30 using the projected 2018 base case emissions and 2011 meteorology for this time period. The hourly contributions<sup>19</sup> from each tag were processed to obtain the 8-hour average contributions corresponding to the time period of the 8-hour daily maximum concentration on each day in the 2018 model simulation. This step was performed for those model grid cells containing monitoring sites in order to obtain 8-hour average contributions for each day at the location of each site. The model-predicted contributions were then post-processed to quantify the contributions relative to the 2018 average design value at each site. First, the daily 8-hour contributions were averaged across the subset of days with 2018 model predictions exceeding the 2008 ozone NAAQS (i.e., 8-hr daily maximum  $\geq$  76 ppb). For those sites with fewer than 5 modeled exceedance days in 2018, we averaged the contributions for the top five concentrations days.<sup>20</sup> For each site, the multi-day average contribution from each tag was normalized by the sum of the contribution from all tags, combined. The resulting fractional contributions at each site were then applied to the 2018 average design value to quantify (i.e., “apportion”) the design value contributions from each tag. Thus, for each site, the sum of the contributions from each tag equals the 2018 average design value for that site. This process was performed for each monitoring site with a projected 2018 design value. The largest contributions from each state to

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<sup>19</sup> Contributions from anthropogenic emissions under “NO<sub>x</sub>-limited” and “VOC-limited” chemical regimes were combined to obtain the net contribution from NO<sub>x</sub> and VOC anthropogenic emissions in each state.

<sup>20</sup> If there were fewer than 5 days with a modeled 2018 8-hour daily maximum concentration  $\geq$  60 ppb for the location a particular monitoring site, then contributions were not calculated at that monitor.

2018 downwind nonattainment receptors and to downwind maintenance receptors are provided in Table 4-1. The 2018 contributions from each tag to each monitoring site are provided in Appendix C.

Table 4-1. Largest ozone contributions from each state to downwind 2018 projected nonattainment and 2018 projected maintenance receptors (units are ppb).

Upwind State	Largest Contribution to a 2018 Nonattainment Site in Downwind States	Largest Contribution to a 2018 Maintenance Site in Downwind States
Alabama	1.06	1.39
Arizona	1.47	0.44
Arkansas	1.25	2.19
California	0.23	1.16
Colorado	0.35	0.33
Connecticut	0.41	0.08
Delaware	0.63	2.46
District of Columbia	0.69	0.29
Florida	0.87	1.05
Georgia	0.71	0.73
Idaho	0.09	0.22
Illinois	0.87	22.29
Indiana	1.93	11.41
Iowa	0.62	0.89
Kansas	0.70	1.15
Kentucky	1.94	2.40
Louisiana	3.38	4.37
Maine	0.01	0.00
Maryland	2.59	6.96
Massachusetts	0.21	0.12
Michigan	1.48	3.63
Minnesota	0.43	0.34
Mississippi	0.83	1.52
Missouri	1.53	4.12
Montana	0.14	0.17
Nebraska	0.36	0.56
Nevada	0.70	0.44
New Hampshire	0.03	0.02
New Jersey	9.21	9.95
New Mexico	0.26	0.20
New York	16.05	16.14
North Carolina	0.57	0.55
North Dakota	0.13	0.19
Ohio	4.06	4.41
Oklahoma	1.50	2.59



Upwind State	Largest Contribution to a 2018 Nonattainment Site in Downwind States	Largest Contribution to a 2018 Maintenance Site in Downwind States
Oregon	0.69	0.73
Pennsylvania	9.85	18.76
Rhode Island	0.04	0.03
South Carolina	0.36	0.35
South Dakota	0.09	0.12
Tennessee	0.69	0.99
Texas	0.92	2.74
Utah	0.29	1.43
Vermont	0.02	0.02
Virginia	4.42	3.27
Washington	0.21	0.13
West Virginia	2.79	2.88
Wisconsin	0.34	2.49
Wyoming	0.37	1.29

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Appendix A  
CAMx 2011 Model Performance Evaluation

## A.1. Introduction

An operational model evaluation is being conducted for the 2011 CAMx annual model simulation used as the base year for projecting 2018 ozone concentrations and contributions as provided in this TSD.<sup>1</sup> The purpose of this evaluation is to examine the ability of the 2011 air quality modeling platform to represent the magnitude and spatial and temporal variability of measured (i.e., observed) ozone and selected precursor concentrations within the modeling domain. The evaluation presented here is based on model simulations using the v1 version of the 2011 emissions platform (i.e., case name 2011ed\_v6\_11g). The model evaluation in this Appendix focuses on comparisons of model predicted ozone concentrations to the corresponding observed data at monitoring sites in the EPA Air Quality System (AQS) and the Clean Air Status and Trends Network (CASTNet). The evaluation analysis for NO, NO<sub>2</sub>, and NO<sub>y</sub><sup>2</sup> and VOC species is still in-progress.

## A.2. Evaluation Statistics and Graphics

Included in this evaluation are statistical measures of model performance for ozone based upon model-predicted versus observed concentrations that were paired in space and time. Model performance statistics were calculated for several spatial scales and temporal periods. Statistics were calculated for individual monitoring sites and for each of five regions of the 12-km U.S. modeling domain. The regions include the Northeast, Midwest, Southeast, and Central and Western states which are defined based upon the states contained within the Regional Planning Organizations (RPOs).<sup>3</sup>

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<sup>1</sup> See section 2 of this TSD for a description of the 2011 CAMx model simulation.

<sup>2</sup> NO<sub>y</sub> includes NO+NO<sub>2</sub>+NO<sub>z</sub>, where NO<sub>z</sub> (i.e., NO<sub>x</sub> oxidation products) includes nitric acid (HNO<sub>3</sub>), nitrous acid (HONO), nitrate (NO<sub>3</sub>), particulate nitrate (PNO<sub>3</sub>), dinitrogen pentoxide (N<sub>2</sub>O<sub>5</sub>), peroxyacetyl nitrate (PAN), higher carbon peroxyacyl nitrates (PANX and OPAN), peroxyacetic acid (PAA), organic nitrates (NTR species), and nitro cresols (CRON).

<sup>3</sup> The subregions are defined by States where: Midwest is IL, IN, MI, OH, and WI; Northeast is CT, DE, MA, MD, ME, NH, NJ, NY, PA, RI, and VT; Southeast is AL, FL, GA, KY, MS, NC, SC, TN, VA, and WV; Central is AR, IA, KS, LA, MN, MO, NE, OK, and TX; West is AK, CA, OR, WA, AZ, NM, CO, UT, WY, SD, ND, MT, ID, and NV.

For maximum daily average 8-hour (MDA8) ozone, model performance statistics were created for each region for the May through September ozone season.<sup>4</sup> In addition to the performance statistics, we prepared several graphical presentations of model performance for MDA8 ozone. These graphical presentations include:

- (1) density scatter plots of observed AQS data and predicted MDA8 ozone concentrations for May through September,
- (2) regional maps which show the mean bias and error as well as normalized mean bias and error calculated for  $MDA8 \geq 60$  ppb for May through September at individual AQS and CASTNet monitoring sites,
- (3) box and whisker plots which show the distribution of the predicted and observed MDA8 ozone concentrations by month (May through September) and by subregion and by network, and
- (4) time series plots (May through September) of observed and predicted MDA8 ozone concentrations for selected ozone sites in the East.

The Atmospheric Model Evaluation Tool (AMET) was used to calculate the model performance statistics used in this document (Gilliam et al., 2005). For this analysis of the 2011 model evaluation for ozone, we have selected the mean bias, mean error, normalized mean bias, and normalized mean error to characterize model performance which are consistent with the recommendations in Simon et al. (2012) and the draft photochemical modeling guidance (EPA 2014). As noted above, we calculated the ozone performance statistics by subregion for the period the May through September.

Mean bias (MB) is the average of the difference (predicted – observed) divided by the total number of replicates ( $n$ ). Mean bias is given in units of ppb and is defined as:

$$MB = \frac{1}{n} \sum_1^n (P - O) , \text{ where } P = \text{predicted and } O = \text{observed concentrations.}$$

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<sup>4</sup> In calculating the ozone season statistics we limited the data to those observed and predicted pairs with observations that exceeded 60 ppb in order to focus on concentrations at the upper portion of the distribution of values.

Mean error (ME) calculates the absolute value of the difference (predicted - observed) divided by the total number of replicates ( $n$ ). Mean error is given in units of ppb and is defined as:

$$ME = \frac{1}{n} \sum_1^n |P - O|$$

Normalized mean bias (NMB) is used as a normalization to facilitate a range of concentration magnitudes. This statistic averages the difference (predicted - observed) over the sum of observed values. NMB is a useful model performance indicator because it avoids over inflating the observed range of values, especially at low concentrations. Normalized mean bias is given in units of % and is defined as:

$$NMB = \frac{\sum_1^n (P-O)}{\sum_1^n (O)} * 100$$

Normalized mean error (NME) is similar to NMB, where the performance statistic is used as a normalization of the mean error. NME calculates the absolute value of the difference (predicted - observed) over the sum of observed values. Normalized mean error is given in units of % and is defined as:

$$NME = \frac{\sum_1^n |P-O|}{\sum_1^n (O)} * 100$$

As described in more detail below, the model performance statistics indicate that the 8-hour daily maximum ozone concentrations predicted by the 2011 CAMx modeling platform closely reflect the corresponding 8-hour observed ozone concentrations in space and time in each region of the 12-km U.S. modeling domain. The acceptability of model performance was judged by considering the 2011 CAMx performance results in light of the range of performance found in recent regional ozone model applications (NRC, 2002; Phillips et al., 2007; Simon et al., 2011; US EPA, 2005; US EPA, 2009; US EPA, 2011). These other modeling studies represent a wide range of modeling analyses which cover various models, model configurations, domains, years and/or episodes, chemical mechanisms, and aerosol modules. Overall, the ozone model performance results for the 2011 CAMx simulations are within the range found in other recent applications. The model performance results, as described in this document, demonstrate that the



predictions closely replicate the corresponding observed concentrations in terms of the magnitude, temporal fluctuations, and spatial differences for 8-hour daily maximum ozone.

The density scatter plots of MDA8 ozone are provided in Figure A-1. The 8-hour ozone model performance bias and error statistics by network for the period May through September, referred to in this document as the “ozone season”, are provided in Table A-1 for each subregion. The statistics shown were calculated using data pairs on days with observed 8-hour ozone of  $\geq 60$  ppb. The distributions of observed and predicted 8-hour ozone by month in the 5-month ozone season for each region are shown in Figures A-2 through A-6. Spatial plots of the mean bias and error as well as the normalized mean bias and error for individual monitors are shown in Figures A-7 and A-10. The statistics shown in these two figures were calculated over the ozone season using data pairs on days with observed 8-hour ozone of  $\geq 60$  ppb. Time series plots of observed and predicted 8-hour ozone during the ozone season at 16 selected receptor sites in the 2018 nonattainment and maintenance areas in the East are provided in Figure A-11, (a) through (p). These sites are listed in Table A-2.

The density scatter plots in Figure A-1 provide a qualitative comparison of model-predicted and observed MDA8 ozone concentrations. In these plots the intensity of the colors indicates the density of individual observed/predicted paired values. The greatest number of individual paired values is denoted by the core area in white. The plots indicate that the predictions correspond closely to the observations in that a large number of observed/predicted paired values lie along or close to the 1:1 line shown on each plot. Overall, performance is best for observed values  $> 60$ . The model tends to over-predict the observed values to some extent particularly at low and mid-range concentrations generally  $\leq 60$  ppb in each of the subregions. This feature is most evident in the Southeast and Central states. In the West, a breakout of the data for California versus the rest of the West indicates under-prediction of high concentrations and over-prediction at low and mid-range concentrations in California, with close agreement between observed and predicted values in the rest of the West.

As indicated by the statistics in Table A-1, bias and error for 8-hour daily maximum ozone are relatively low in each region. Generally, MB for 8-hour ozone  $\geq 60$  ppb during the ozone season is less than 5 ppb in all subregions except in the western subregion and at rural

(CASTNET) sites in the central region for which ozone is somewhat under-predicted. The monthly distribution of 8-hour daily maximum ozone during the ozone season generally corresponds well with that of the observed concentrations, as indicated by the graphics in Figures A-2 through A-6. The predicted concentrations tend to be close to the observed 25<sup>th</sup> percentile, median and 75<sup>th</sup> percentile values for each region, although there is a small persistent overestimation bias for these metrics. The CAMx model also has a tendency to under-predict the highest observational concentrations at both the AQS and CASTNet network sites.

Figures A-7 through A-10 show the spatial variability in bias and error at monitor locations. Mean bias, as seen from Figure A-7, is less than 5 ppb at most of the sites across the eastern portion of the modeling domain with a tendency for under prediction in the range of 5 to 10 ppb at many sites in the Central and Western states. Figure A-8 indicates that the normalized mean bias for days with observed 8-hour daily maximum ozone greater than or equal to 60 ppb is within  $\pm 10$  percent at the vast majority of monitoring sites across the East with 10 to 20 percent under prediction in many areas of the West. There are regional differences in model performance, where the model tends to over-predict from the Southeast into the Mid-Atlantic states and generally under predict in the Central and Western states. Model performance in the Midwest states shows both under and over predictions.

Model error, as seen from Figure A-9, is 10 ppb or less at most of the sites across the modeling domain. Figure A-10 indicates that the normalized mean error for days with observed 8-hour daily maximum ozone greater than or equal to 60 ppb is within 10 to 15 percent at the vast majority of monitoring sites across the modeling domain. Somewhat greater error (i.e., 15 to 20 percent) is evident at sites in several areas most notably along portions of the Northeast Corridor and in portions of Florida, North Dakota, Illinois, Ohio, North Carolina, and the western most part of the modeling domain.

In addition to the above analysis of overall model performance, we also examine how well the modeling platform replicates day to day fluctuations in observed 8-hour daily maximum concentrations at 16 receptor sites located in the 2018 projected nonattainment and maintenance areas in the East. For this site specific analysis we present the time series of observed and predicted 8-hour daily maximum concentrations by site over the ozone season, May through

September. The results, as shown in Figures A-11 (a) through (p), indicate that the modeling platform replicates the day-to-day variability in ozone during this time period at these sites. From a qualitative perspective, the sites examined in the following counties not only have minimal bias but also accurately capture both the seasonal and day-to-day variability in the observations (i.e., the sites in Fairfield County, CT, Richmond County, NY, Philadelphia County, PA; and Jefferson County, KY). Predictions at other sites generally track well and capture day-to-day variability the observed ozone concentrations, but underestimate some of the peak observed ozone days (i.e., the sites in Harford County, MD; Suffolk County, NY; Sheboygan County, WI; Tarrant County, TX; Harris County, TX, and Brazoria County, TX). The sites in Allegan County, MI and Saint Charles County, MO closely track the day-to-day seasonal variability, but tend to overestimate the observed values on several days. In addition, at the sites in Brazoria County and Harris County, TX there is an extended period from mid-July to mid-August with very low observed ozone concentrations, mostly in the range of 30 to 40 ppb. The model predicted values during this period are in the range of 40 to 60 ppb which is not quite as low as the observed values. Looking across all 16 sites indicates that the modeling platform is able to capture the site to site differences in the short-term variability of ozone concentrations.

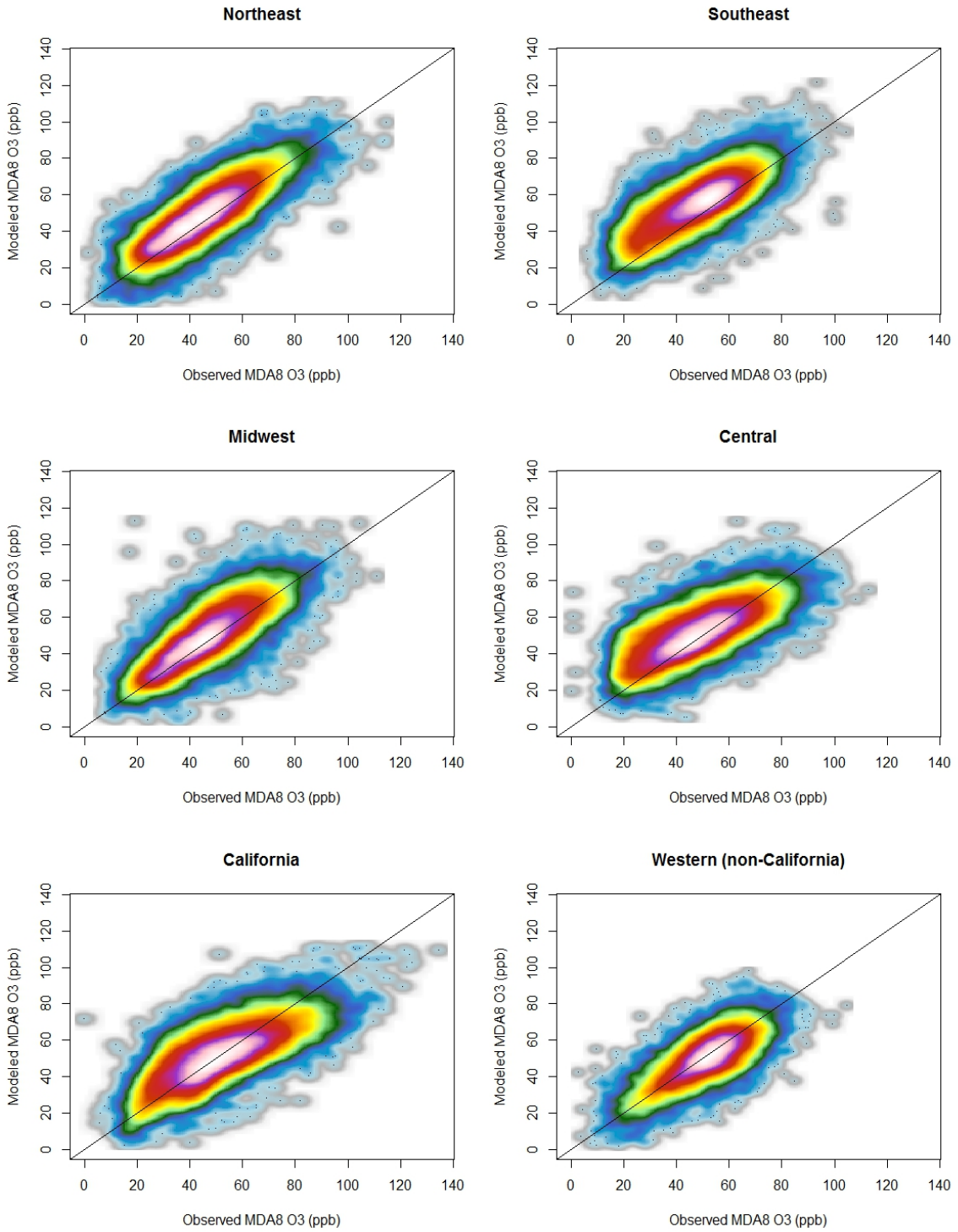


Figure A-1. Density scatter plots of observed/predicted MDA8 ozone for the Northeast, Southeast, Midwest, and Central subregions with a breakout for California and the portion of the West outside of California.

Table A-1. Daily Maximum 8-hour Ozone Performance Statistics  $\geq 60$  ppb by Subregion, by Network.

Network	Subregion	No. of Obs	MB (ppb)	ME (ppb)	NMB (%)	NME (%)
AQS	Northeast	3,746	0.6	7.3	0.9	10.7
	Midwest	4,240	-0.7	7.8	-1.0	11.5
	Central	6,087	-4.4	8.2	-6.4	11.9
	South	6,736	2.2	7.1	3.3	10.6
	West	13,568	-6.6	9.2	-9.6	13.4
CASTNet	Northeast	264	1.1	5.9	1.7	8.7
	Midwest	240	-4.2	6.6	-6.3	9.8
	Central	216	-8.2	8.7	-12.4	13.1
	South	443	-0.7	5.7	-1.1	8.8
	West	905	-11.0	11.5	-16.0	16.7

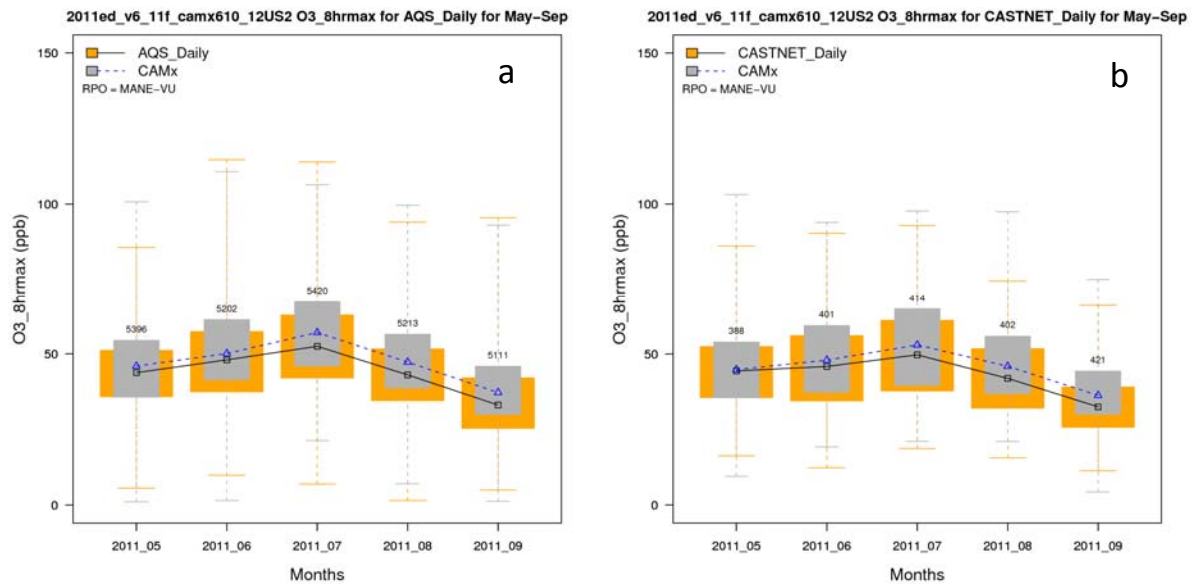


Figure A-2. Distribution of observed and predicted MDA8 ozone by month for the period May through September for the Northeast subregion, (a) AQS network and (b) CASTNet network. [symbol = median; top/bottom of box = 75th/25th percentiles; top/bottom line = max/min values].

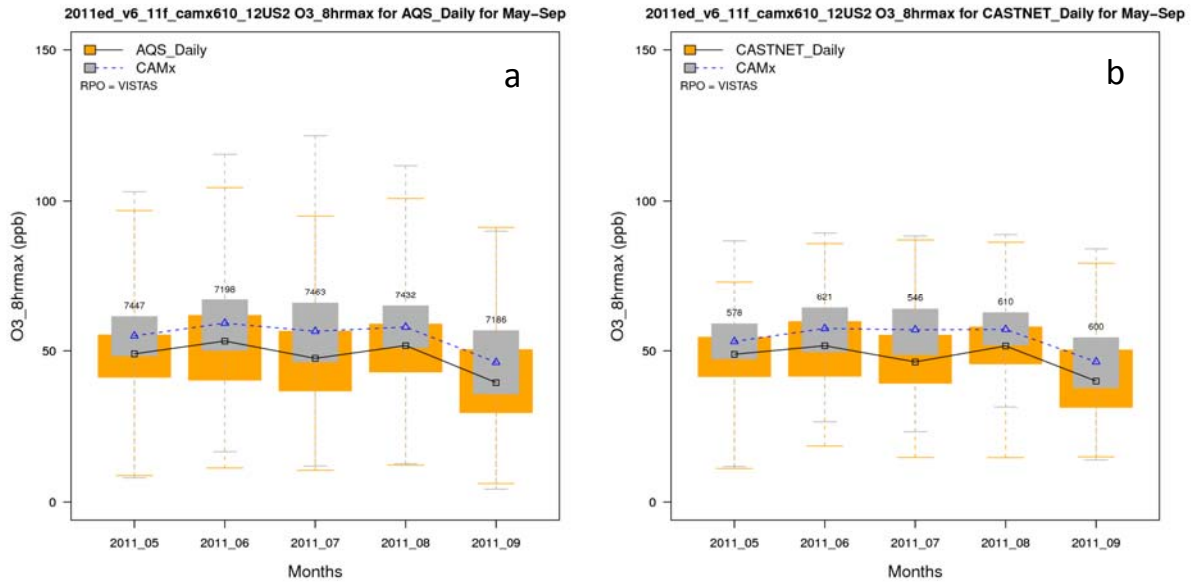


Figure A-3. Distribution of observed and predicted MDA8 ozone by month for the period May through September for the Southeast subregion, (a) AQS network and (b) CASTNet network.

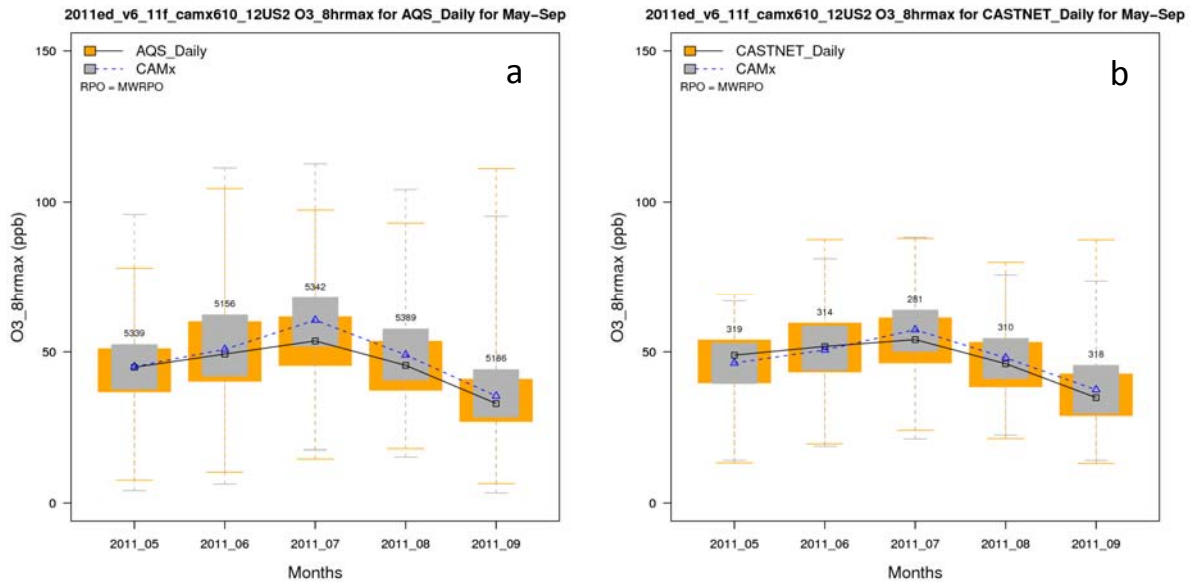


Figure A-4. Distribution of observed and predicted MDA8 ozone by month for the period May through September for the Midwest subregion, (a) AQS network and (b) CASTNet network.

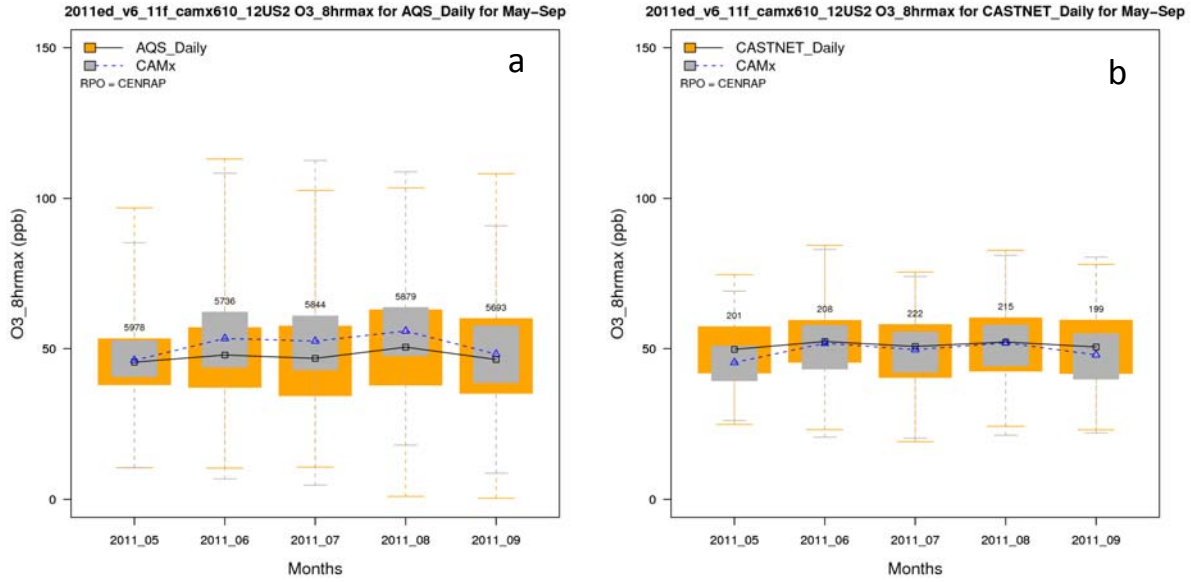


Figure A-5. Distribution of observed and predicted MDA8 ozone by month for the period May through September for the Central states, (a) AQS network and (b) CASTNet network.

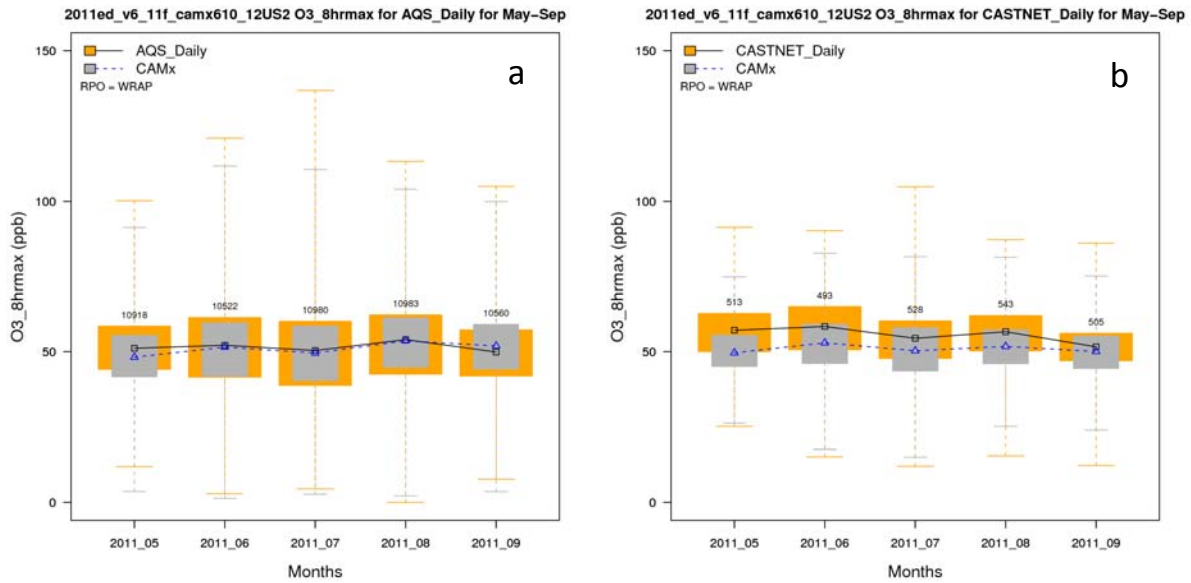


Figure A-6. Distribution of observed and predicted MDA8 ozone by month for the period May through September for the West, (a) AQS network and (b) CASTNet network.

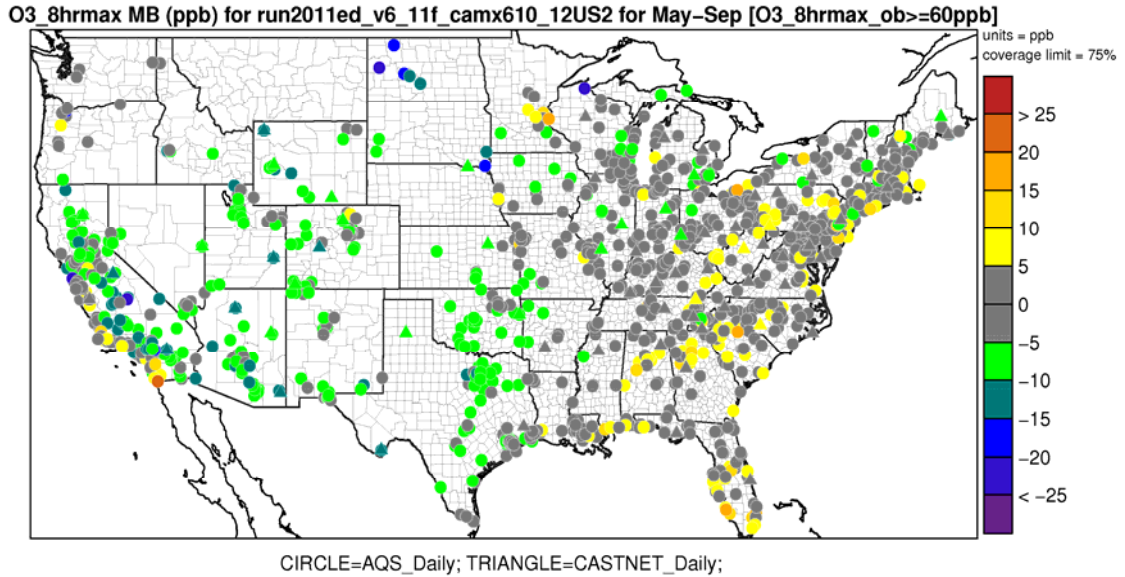


Figure A-7. Mean Bias (ppb) of MDA8 ozone greater than 60 ppb over the period May-September 2011 at AQS and CASTNet monitoring sites.

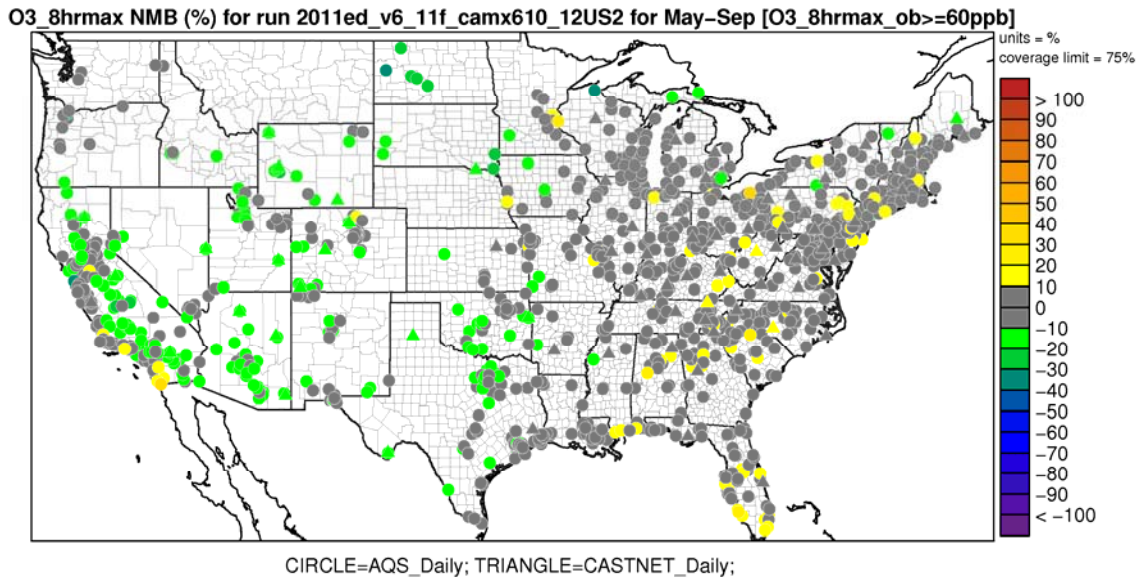


Figure A-8. Normalized Mean Bias (%) of MDA8 ozone greater than 60 ppb over the period May-September 2011 at AQS and CASTNet monitoring sites.



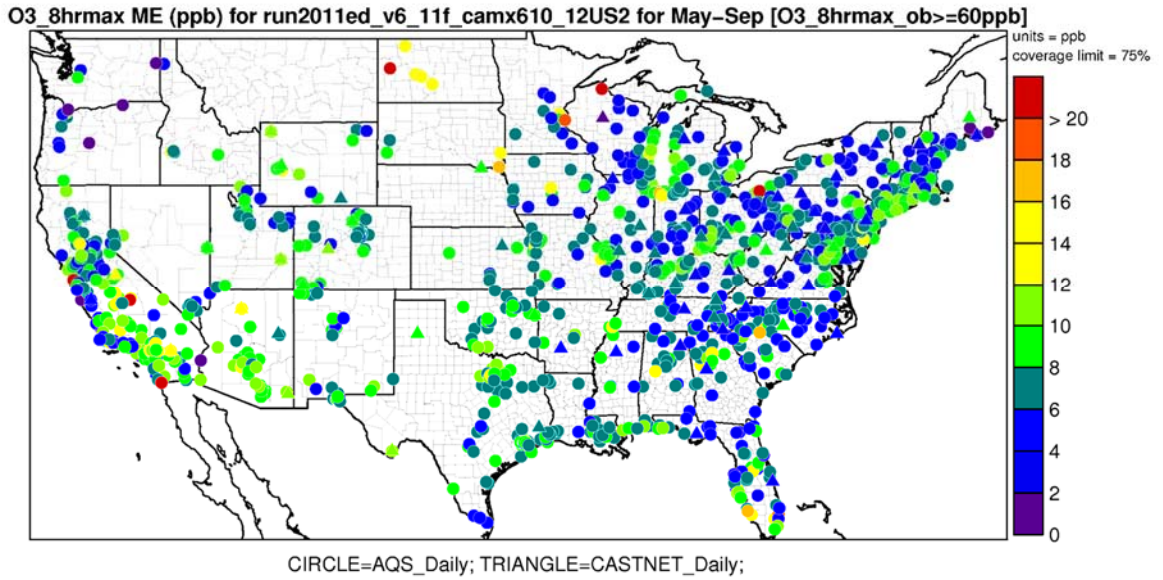


Figure A-9. Mean Error (ppb) of MDA8 ozone greater than 60 ppb over the period May-September 2011 at AQS and CASTNet monitoring sites.

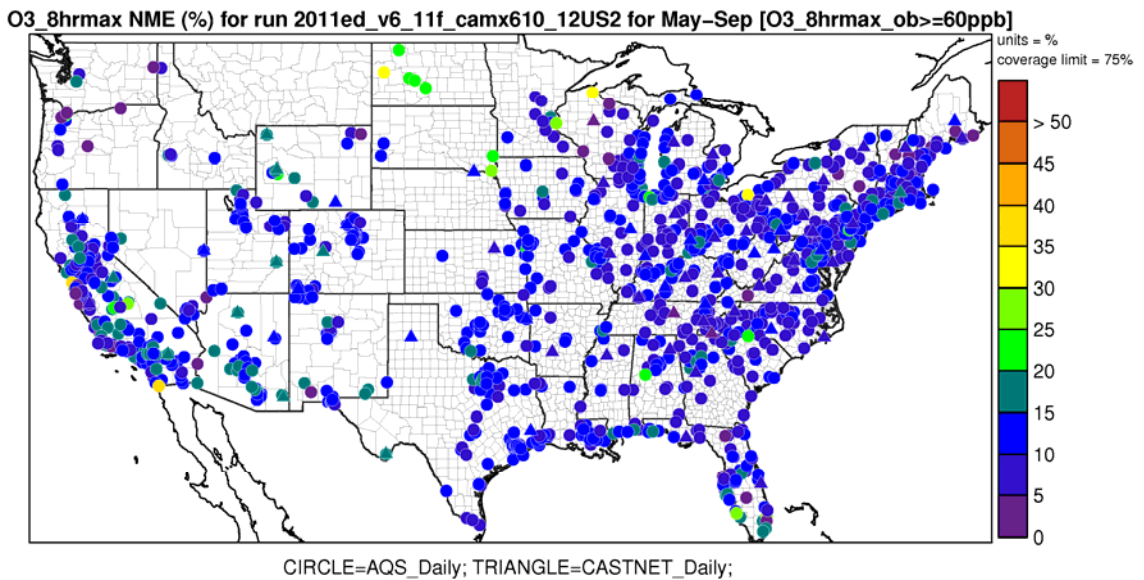


Figure A-10. Normalized Mean Error (%) of MDA8 ozone greater than 60 ppb over the period May-September 2011 at AQS and CASTNet monitoring sites.

Table A-2. Key Monitoring Sites Used for the Ozone Time Series Analysis.

State	County	Monitoring Site ID
Connecticut	Fairfield	090013007
New York	Suffolk	361030002
New York	Richmond	360850067
New Jersey	Gloucester	340150002
Pennsylvania	Philadelphia	421010024
Maryland	Harford	240251001
Kentucky	Jefferson	211110067
Michigan	Allegan	260050003
Wisconsin	Sheboygan	551170006
Missouri	Saint Charles	291831002
Texas	Tarrant	484393009
Texas	Collin	480850005
Texas	Denton	481210034
Texas	Dallas	481130069
Texas	Brazoria	480391004
Texas	Harris	482011039

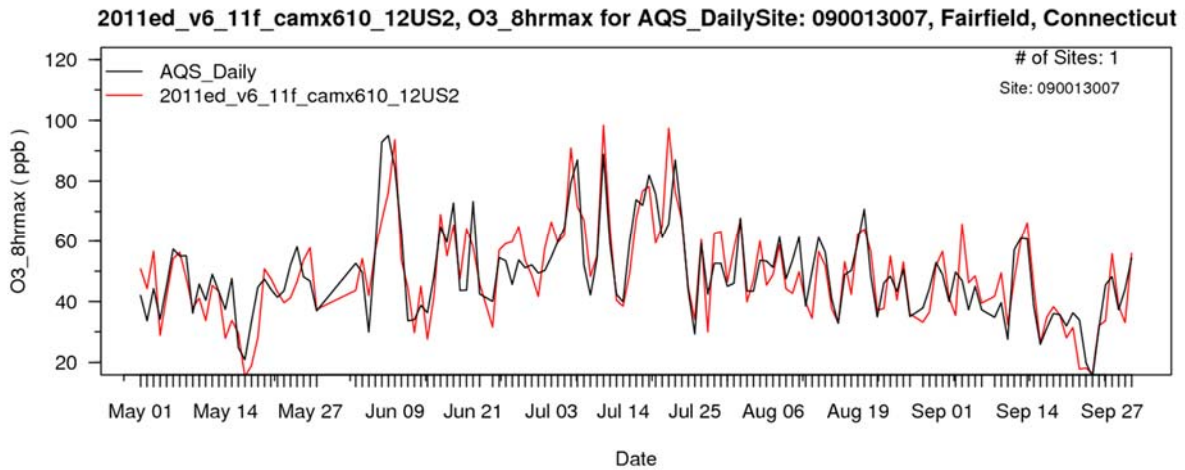


Figure A-11(a). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 090013007 in Fairfield Co., Connecticut.

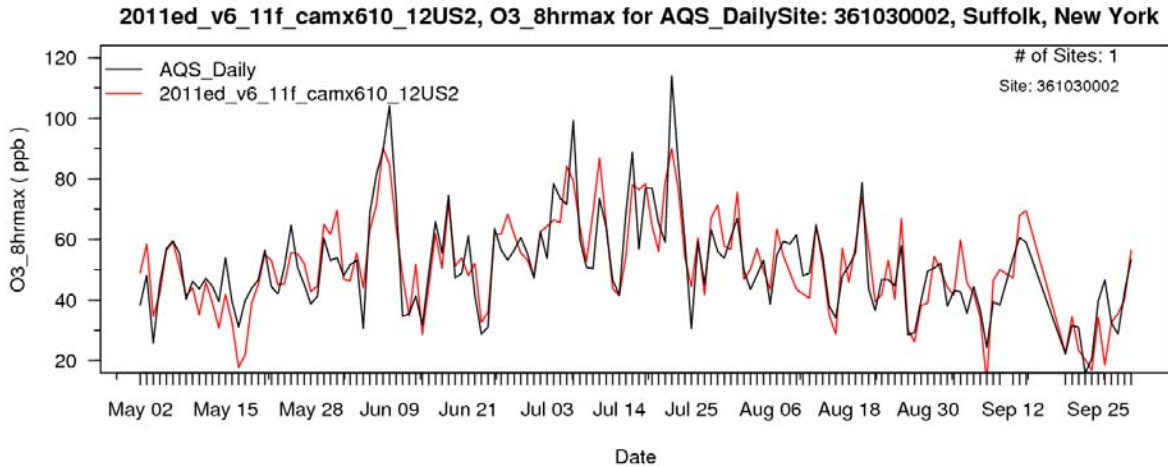


Figure A-11(b). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 361030002 in Suffolk Co., New York.

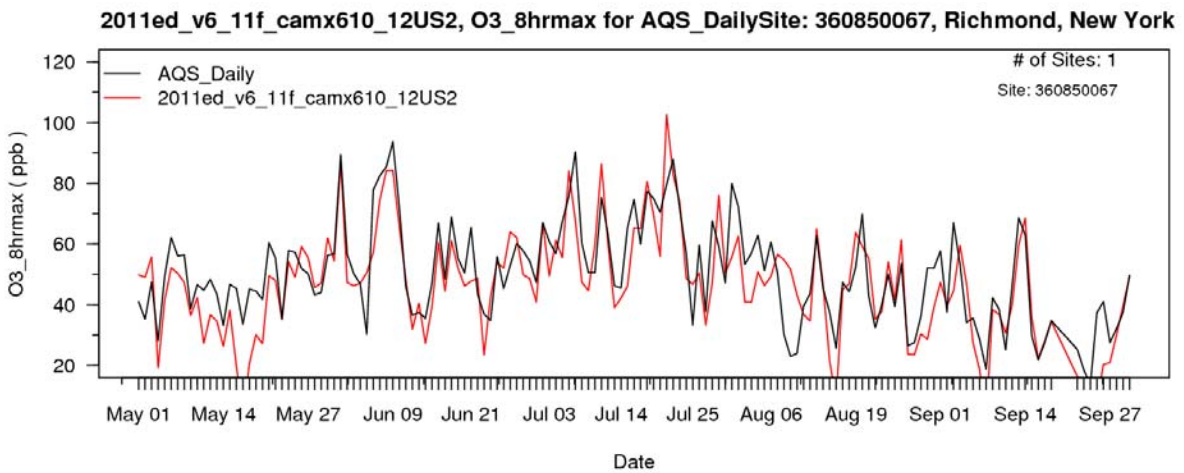


Figure A-11(c). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 360850067 in Richmond Co., New York.

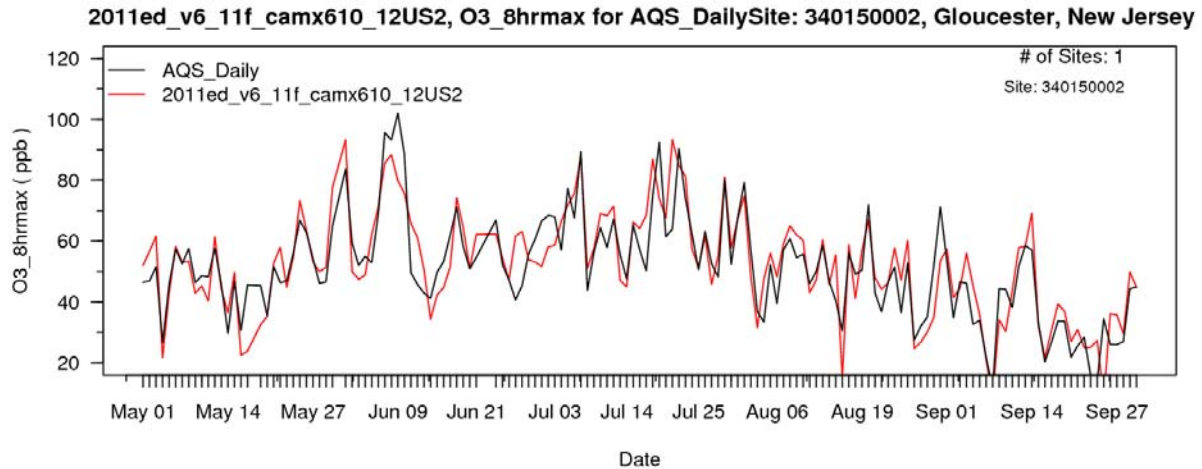


Figure A-11(d). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 340150002 in Gloucester Co., New Jersey.

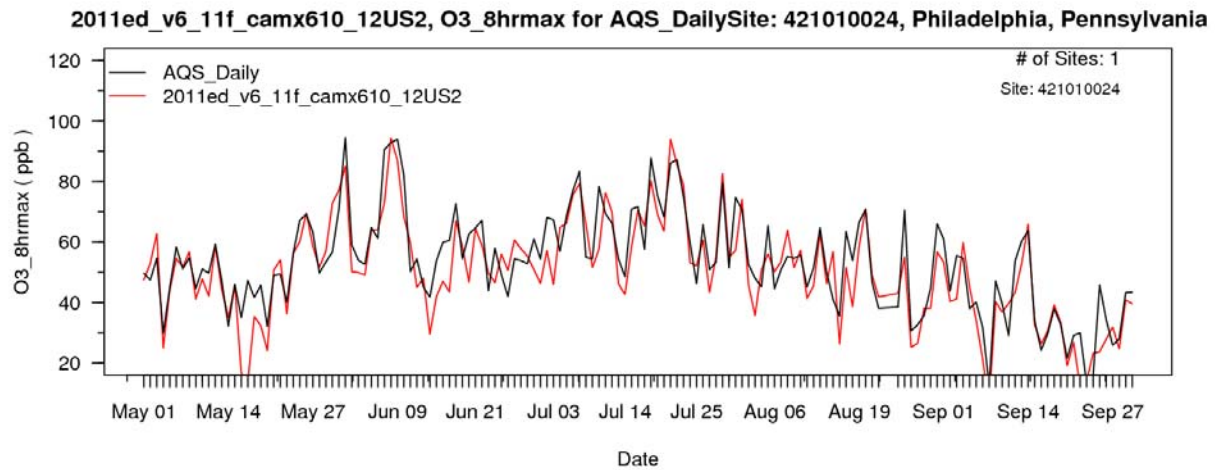


Figure A-11(e). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 421010024 in Philadelphia Co., Pennsylvania.

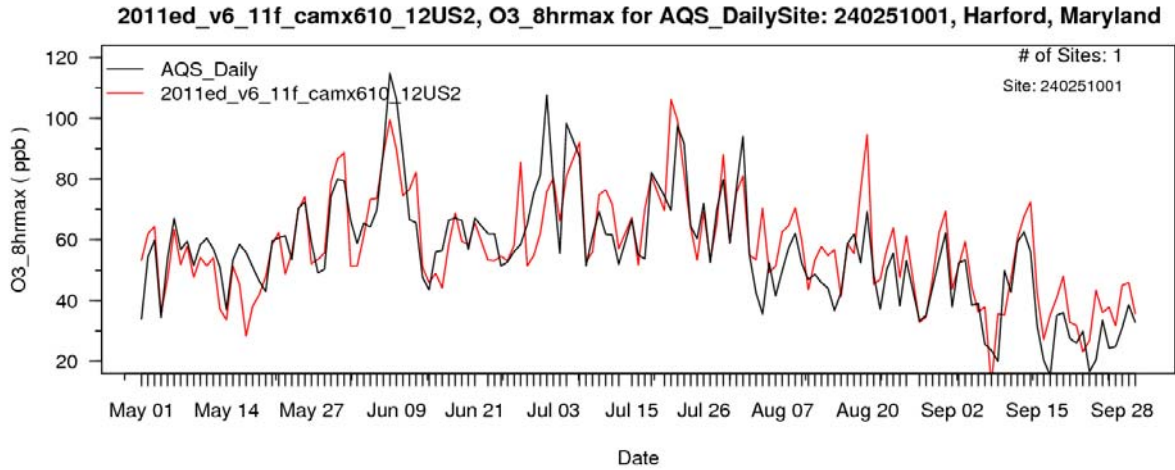


Figure A-11(f). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 240251001 in Harford Co., Maryland.

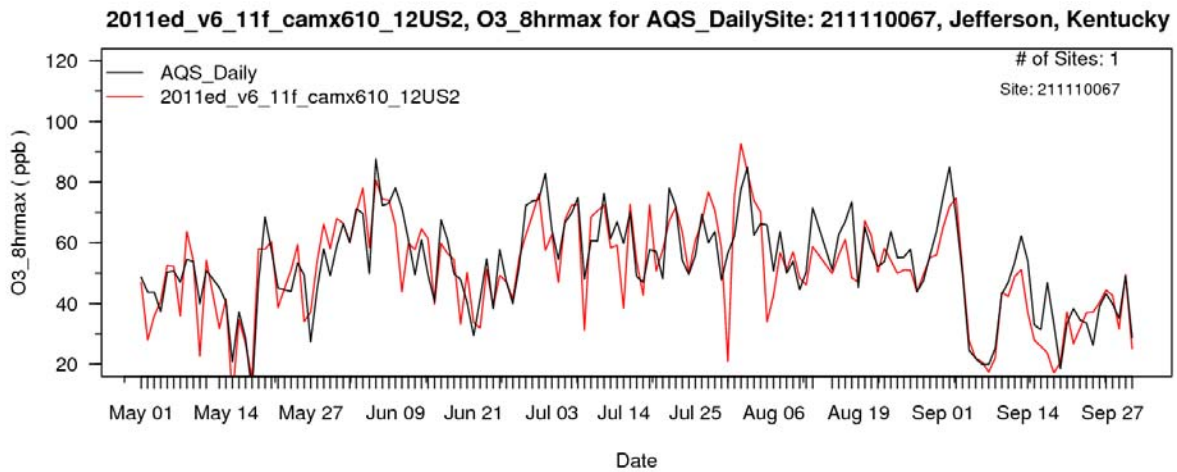


Figure A-11(g). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 211110067 in Jefferson Co., Kentucky.



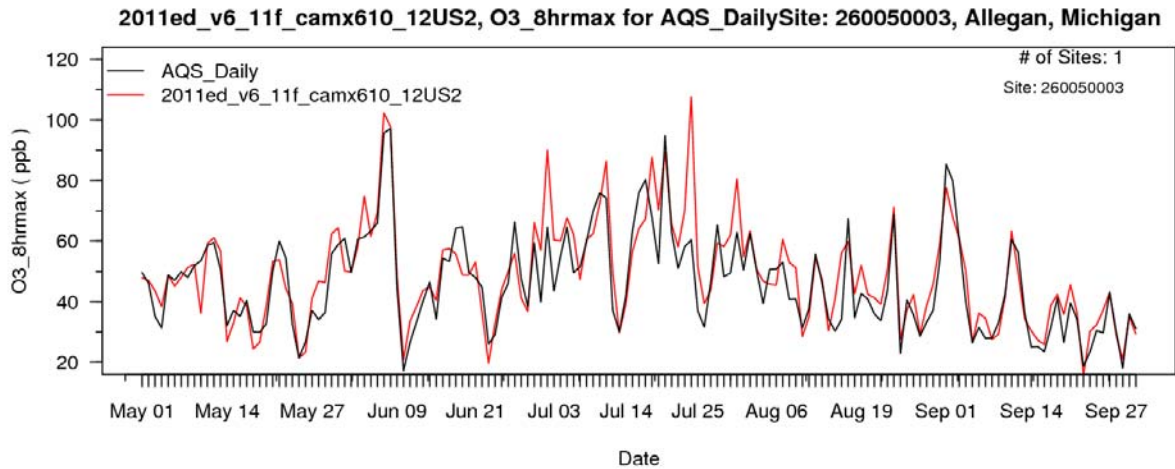


Figure A-11(h). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 260050003 in Allegan Co., Michigan.

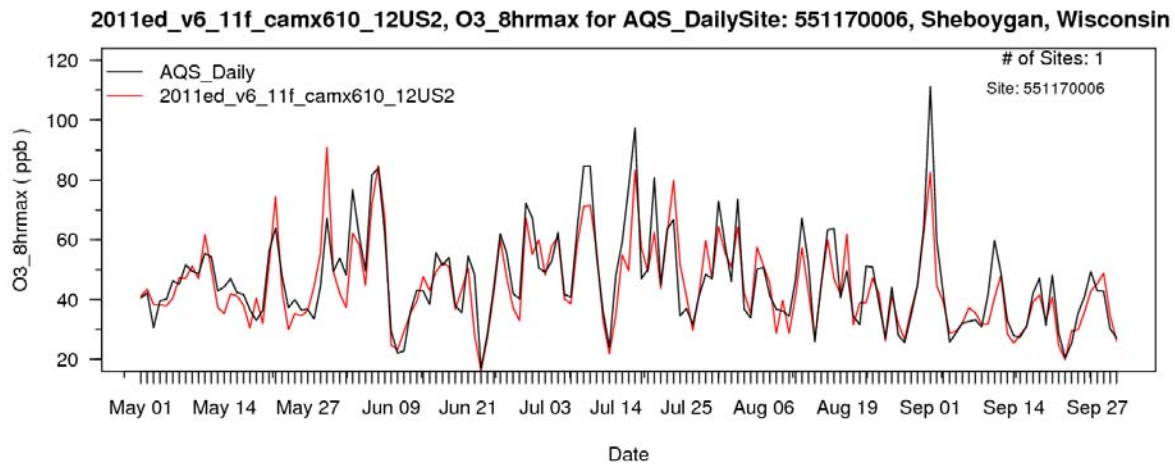


Figure A-11(i). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 551170006 in Sheboygan Co., Wisconsin.

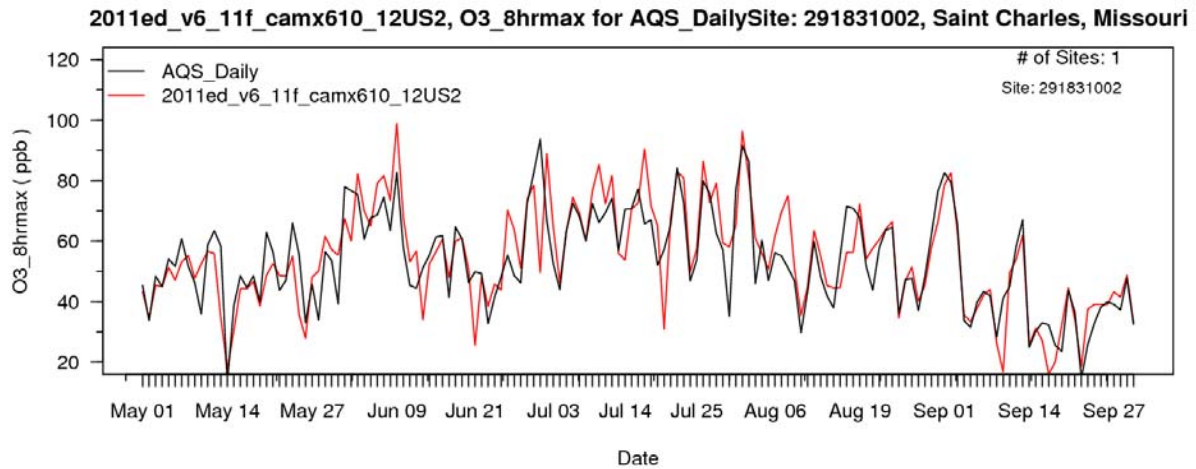


Figure A-11(j). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 291831002 in Saint Charles Co., Missouri.

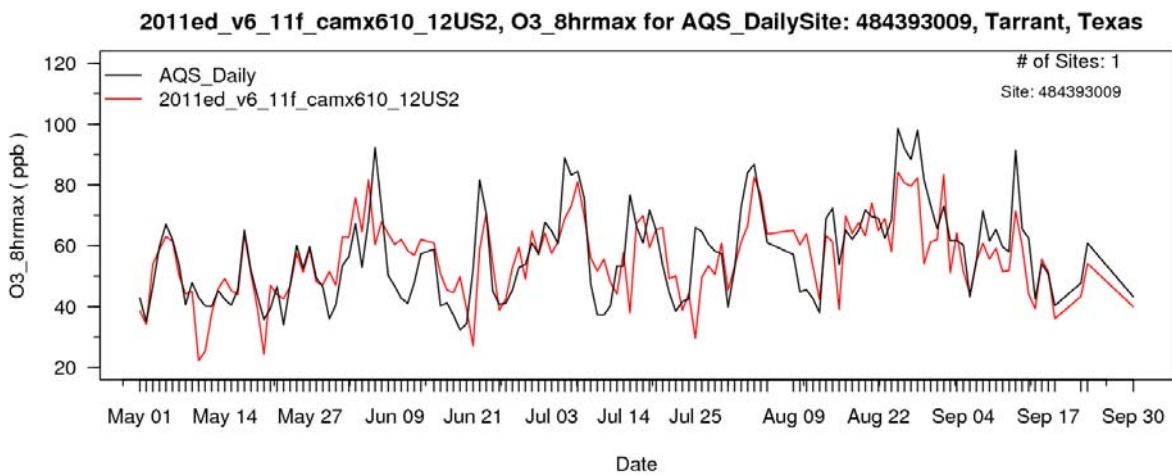


Figure A-11(k). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 484393009 in Tarrant Co., Texas.

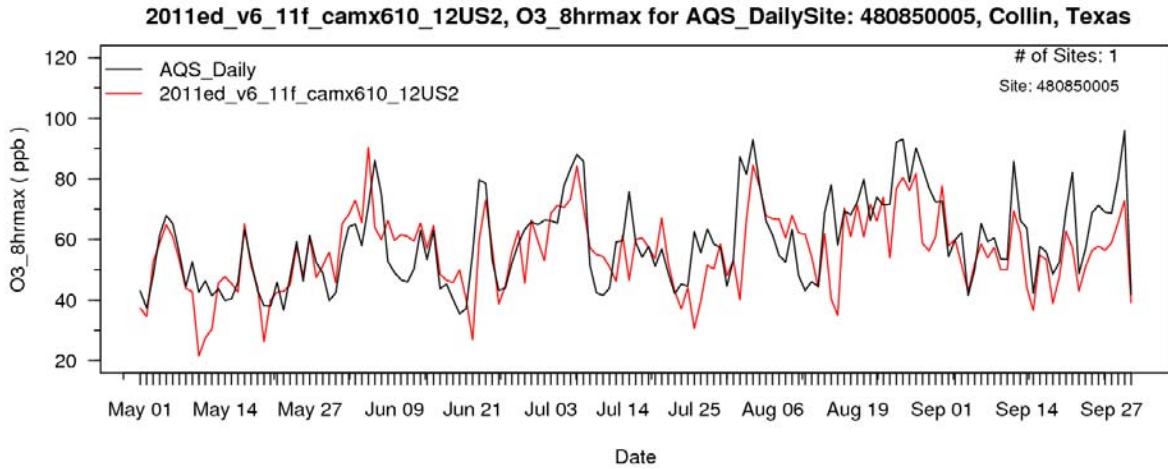


Figure 3A-11(l). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 480850005 in Collin Co., Texas.

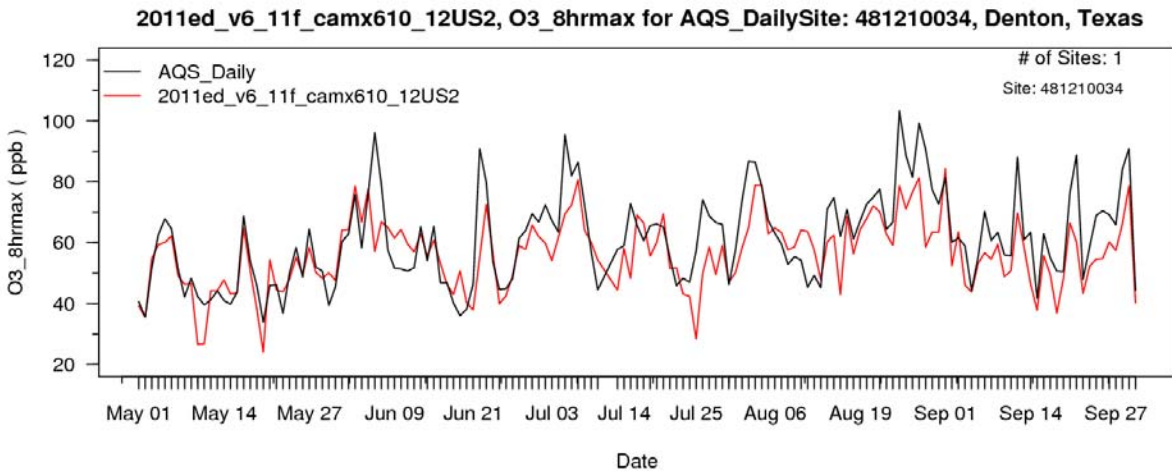


Figure A-11(m). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 481210034 in Denton Co., Texas.



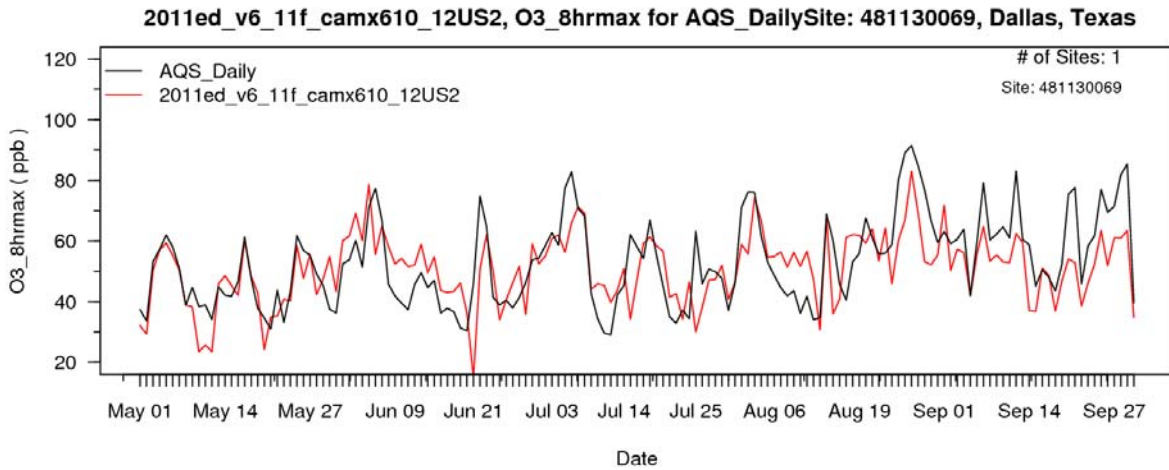


Figure A-11(n). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 481130069 in Dallas Co., Texas.

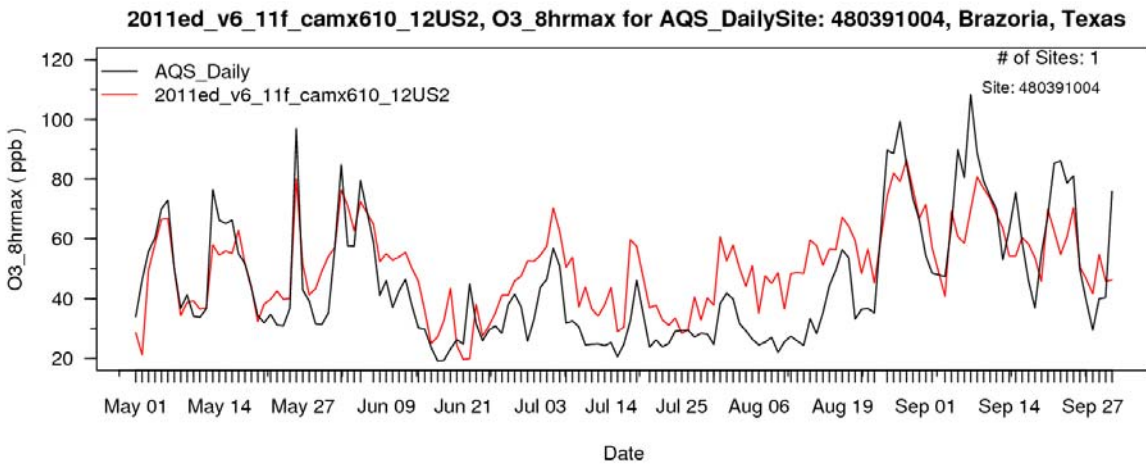


Figure A-11(o). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 480391004 in Brazoria Co., Texas.

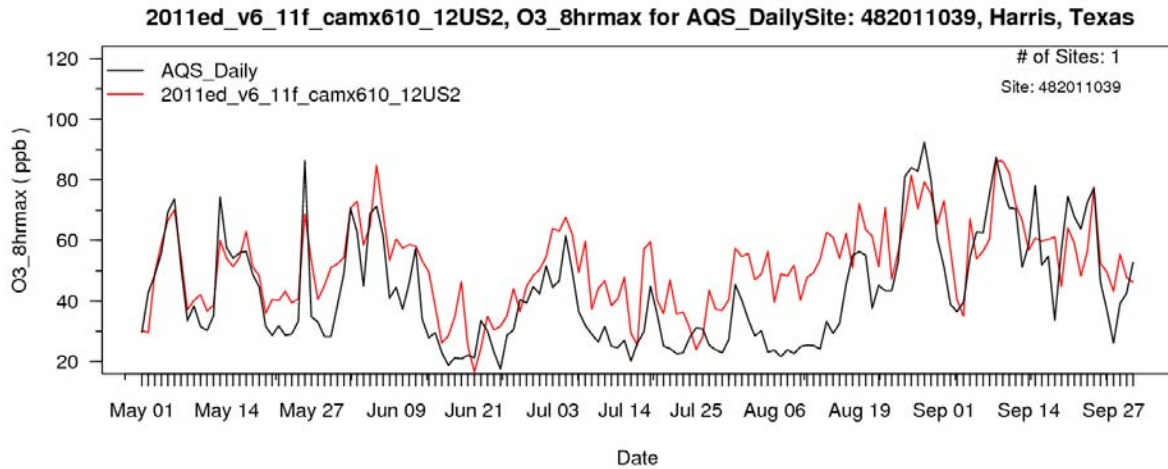


Figure A-11(p). Time series of observed (black) and predicted (red) MDA8 ozone for May through September 2011 at site 482011039 in Harris Co., Texas.

## Appendix B

### 2009 - 2013 Base Period and 2018 Base Case Ozone Design Values

This appendix contains the 2009 - 2013 base period ambient and projected 2018 base case average and maximum 8-hour ozone design values at individual monitoring sites. Note that there are 35 sites for which we could not project 2018 ozone design values because there were less than 5 days with 2011 model predicted ozone  $\geq 60$  ppb for these sites. These sites are identified by a “-9” in the columns with 2018 average and maximum design values. In addition, there are 7 sites in 3 counties in the West that were excluded from this analysis because the ambient design values at these sites were found to be influenced by wintertime ozone episodes<sup>1</sup>.

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Alabama	Baldwin	10030010	70.0	72.0	62.5	64.3
Alabama	Colbert	10331002	65.0	67.0	51.4	53.0
Alabama	DeKalb	10499991	66.0	66.0	57.1	57.1
Alabama	Elmore	10510001	66.3	68.0	56.4	57.8
Alabama	Etowah	10550011	61.7	62.0	51.9	52.1
Alabama	Houston	10690004	63.7	65.0	55.0	56.2
Alabama	Jefferson	10730023	72.3	75.0	61.6	63.9
Alabama	Jefferson	10731003	72.0	75.0	61.8	64.3
Alabama	Jefferson	10731005	75.3	77.0	63.5	65.0
Alabama	Jefferson	10731009	72.0	74.0	61.3	63.0
Alabama	Jefferson	10731010	73.7	76.0	61.6	63.6
Alabama	Jefferson	10732006	75.0	77.0	63.0	64.7
Alabama	Jefferson	10735002	72.0	74.0	60.5	62.2
Alabama	Jefferson	10735003	71.0	73.0	60.5	62.2
Alabama	Jefferson	10736002	76.7	80.0	65.2	68.0
Alabama	Madison	10890014	70.7	73.0	59.8	61.7

<sup>1</sup> High winter ozone concentrations that have been observed in mountain valleys in the Western U.S. are believed to result from the combination of strong wintertime inversions, large NO<sub>x</sub> and VOC emissions from nearby oil and gas operations, increased UV intensity due to reflection off of snow surfaces and potentially still uncharacterized sources of free radicals. Current modeling tools are not sufficient to properly characterize ozone formation for these winter ozone episodes due to 1) the challenging task of capturing complex local “cold pool” meteorology using a model resolution that is optimized to capture regional and synoptic scale process, 2) uncertainties in quantifying the local emissions from oil and gas operations and 3) uncertainties in the chemistry that occurs both in the atmosphere and on snow surfaces during these episodes. Therefore, it was not appropriate to project ozone design values at monitors impacted by winter events. The 7 sites excluded from this analysis are in Rio Blanco County, CO (site ID 081030006), Fremont County, WY (site ID 560130099), and Sublette County, WY (site IDs 560350097, 560350099, 560350100, 560350101, and 560351002). Information on the analysis to identify these sites as influenced by wintertime ozone episodes can be found in Appendix 3A of the Regulatory Impact Analysis of the Proposed Revisions to the National Ambient Air Quality Standards for Ground-Level Ozone (EPA, 2014d) (<http://www.epa.gov/ttn/ecas/ria.html>)

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Alabama	Mobile	10970003	69.0	71.0	58.5	60.2
Alabama	Mobile	10972005	73.0	73.0	64.8	64.8
Alabama	Montgomery	11011002	67.3	69.0	56.6	58.0
Alabama	Morgan	11030011	68.7	71.0	59.4	61.4
Alabama	Russell	11130002	66.0	67.0	55.2	56.0
Alabama	Shelby	11170004	73.3	75.0	61.4	62.8
Alabama	Sumter	11190002	61.0	61.0	55.4	55.4
Alabama	Tuscaloosa	11250010	58.7	59.0	51.4	51.7
Arizona	Cochise	40038001	72.0	73.0	69.2	70.1
Arizona	Coconino	40051008	68.3	69.0	65.1	65.8
Arizona	Coconino	40058001	71.0	72.0	68.4	69.4
Arizona	Gila	40070010	73.7	75.0	66.2	67.4
Arizona	La Paz	40128000	71.3	72.0	67.6	68.3
Arizona	Maricopa	40130019	76.7	79.0	69.5	71.6
Arizona	Maricopa	40131004	79.7	81.0	71.1	72.3
Arizona	Maricopa	40131010	69.7	72.0	62.4	64.5
Arizona	Maricopa	40132001	74.7	76.0	66.8	67.9
Arizona	Maricopa	40132005	76.0	77.0	67.1	68.0
Arizona	Maricopa	40133002	73.3	75.0	66.6	68.1
Arizona	Maricopa	40133003	75.7	77.0	68.1	69.3
Arizona	Maricopa	40134003	74.7	76.0	68.2	69.4
Arizona	Maricopa	40134004	72.7	74.0	64.7	65.9
Arizona	Maricopa	40134005	69.7	71.0	62.6	63.8
Arizona	Maricopa	40134008	76.3	77.0	67.2	67.8
Arizona	Maricopa	40134010	71.0	72.0	62.9	63.8
Arizona	Maricopa	40134011	65.0	66.0	59.3	60.2
Arizona	Maricopa	40137003	70.7	72.0	64.1	65.2
Arizona	Maricopa	40137020	73.7	75.0	66.3	67.5
Arizona	Maricopa	40137021	76.7	77.0	68.1	68.4
Arizona	Maricopa	40137022	73.3	75.0	65.1	66.6
Arizona	Maricopa	40137024	73.3	74.0	66.0	66.6
Arizona	Maricopa	40139508	74.0	76.0	64.8	66.5
Arizona	Maricopa	40139702	74.7	77.0	66.5	68.6
Arizona	Maricopa	40139704	74.5	76.0	66.1	67.5
Arizona	Maricopa	40139706	74.0	75.0	65.3	66.2
Arizona	Maricopa	40139997	76.0	77.0	69.0	69.9
Arizona	Navajo	40170119	68.7	70.0	62.7	63.9
Arizona	Pima	40190021	71.3	73.0	65.5	67.1
Arizona	Pima	40191011	67.0	68.0	61.1	62.0

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Arizona	Pima	40191018	68.3	69.0	62.3	62.9
Arizona	Pima	40191020	69.7	71.0	63.7	64.9
Arizona	Pima	40191028	67.0	68.0	60.9	61.8
Arizona	Pima	40191030	68.7	70.0	62.9	64.1
Arizona	Pima	40191032	66.3	67.0	60.4	61.0
Arizona	Pima	40191034	64.0	65.0	59.3	60.2
Arizona	Pinal	40213001	73.0	74.0	64.8	65.7
Arizona	Pinal	40213003	68.3	69.0	62.1	62.7
Arizona	Pinal	40213007	68.3	69.0	64.1	64.7
Arizona	Pinal	40217001	70.3	72.0	63.7	65.3
Arizona	Pinal	40218001	75.0	76.0	67.6	68.5
Arizona	Yavapai	40258033	68.0	69.0	64.6	65.6
Arizona	Yuma	40278011	75.3	77.0	70.7	72.3
Arkansas	Crittenden	50350005	77.3	79.0	69.2	70.7
Arkansas	Newton	51010002	68.0	69.0	60.4	61.3
Arkansas	Polk	51130003	72.3	73.0	66.5	67.2
Arkansas	Pulaski	51190007	72.3	73.0	61.0	61.6
Arkansas	Pulaski	51191002	75.7	77.0	64.2	65.3
Arkansas	Pulaski	51191008	73.0	75.0	62.5	64.3
Arkansas	Washington	51430005	71.0	73.0	63.8	65.6
California	Alameda	60010007	73.3	76.0	70.1	72.7
California	Alameda	60010009	45.7	49.0	46.6	50.0
California	Alameda	60010011	45.0	45.0	45.9	45.9
California	Alameda	60012001	56.0	56.0	55.8	55.8
California	Amador	60050002	72.0	74.0	65.6	67.4
California	Butte	60070007	76.3	77.0	68.9	69.6
California	Butte	60070008	65.0	66.0	58.6	59.5
California	Calaveras	60090001	75.0	77.0	68.4	70.2
California	Colusa	60111002	61.0	62.0	56.9	57.8
California	Contra Costa	60130002	70.7	73.0	68.5	70.7
California	Contra Costa	60131002	71.7	74.0	68.0	70.2
California	Contra Costa	60131004	51.0	51.0	51.2	51.2
California	El Dorado	60170010	81.0	82.0	73.6	74.5
California	El Dorado	60170020	82.7	84.0	75.3	76.5
California	Fresno	60190007	94.7	95.0	88.3	88.5
California	Fresno	60190011	93.0	96.0	86.8	89.6
California	Fresno	60190242	91.7	95.0	85.8	88.9
California	Fresno	60192009	77.0	77.0	71.2	71.2
California	Fresno	60194001	90.7	92.0	83.1	84.3

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
California	Fresno	60195001	97.0	99.0	89.8	91.7
California	Glenn	60210003	64.3	65.0	59.8	60.5
California	Humboldt	60231004	45.3	46.0	-9.0	-9.0
California	Imperial	60250005	74.7	76.0	72.1	73.4
California	Imperial	60251003	81.0	82.0	77.9	78.8
California	Imperial	60254003	72.0	73.0	68.0	69.0
California	Imperial	60254004	71.3	73.0	67.1	68.7
California	Inyo	60270101	71.7	72.0	69.8	70.1
California	Kern	60290007	91.7	96.0	85.6	89.6
California	Kern	60290008	86.3	88.0	78.3	79.9
California	Kern	60290011	80.0	81.0	75.2	76.2
California	Kern	60290014	87.7	89.0	81.8	83.0
California	Kern	60290232	87.3	89.0	81.4	83.0
California	Kern	60295002	90.0	91.0	83.9	84.8
California	Kern	60296001	84.3	86.0	78.0	79.6
California	Kings	60311004	87.0	90.0	79.9	82.6
California	Lake	60333001	58.3	60.0	52.8	54.3
California	Los Angeles	60370002	80.0	82.0	77.9	79.8
California	Los Angeles	60370016	94.0	97.0	91.5	94.4
California	Los Angeles	60370113	65.0	68.0	64.0	67.0
California	Los Angeles	60371002	80.0	81.0	76.6	77.6
California	Los Angeles	60371103	63.7	65.0	63.6	64.9
California	Los Angeles	60371201	90.0	90.0	87.0	87.0
California	Los Angeles	60371302	58.0	58.0	56.6	56.6
California	Los Angeles	60371602	63.5	64.0	63.6	64.1
California	Los Angeles	60371701	84.0	85.0	82.4	83.4
California	Los Angeles	60372005	79.5	82.0	78.3	80.8
California	Los Angeles	60374002	58.5	59.0	56.3	56.8
California	Los Angeles	60376012	97.3	99.0	93.3	94.9
California	Los Angeles	60379033	90.0	91.0	84.2	85.1
California	Madera	60390004	79.3	81.0	74.2	75.8
California	Madera	60392010	85.0	86.0	79.0	80.0
California	Marin	60410001	52.3	53.0	50.4	51.0
California	Mariposa	60430003	77.3	78.0	73.7	74.4
California	Mariposa	60430006	77.0	78.0	70.9	71.8
California	Mendocino	60450008	48.0	49.0	-9.0	-9.0
California	Merced	60470003	82.7	84.0	77.0	78.2
California	Monterey	60530002	57.0	58.0	53.5	54.5
California	Monterey	60530008	58.0	60.0	55.0	56.9

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
California	Monterey	60531003	52.3	54.0	49.5	51.1
California	Napa	60550003	62.3	65.0	57.1	59.6
California	Nevada	60570005	77.7	79.0	70.4	71.5
California	Nevada	60570007	76.0	78.0	68.6	70.4
California	Orange	60590007	63.7	64.0	61.1	61.4
California	Orange	60591003	61.3	62.0	58.6	59.3
California	Orange	60592022	72.0	74.0	66.3	68.2
California	Orange	60595001	69.7	71.0	67.4	68.7
California	Placer	60610003	83.0	85.0	75.6	77.4
California	Placer	60610004	74.0	75.0	67.0	67.9
California	Placer	60610006	84.0	86.0	77.0	78.8
California	Riverside	60650004	85.0	85.0	80.4	80.4
California	Riverside	60650012	97.3	99.0	91.3	92.9
California	Riverside	60650016	77.0	77.0	70.7	70.7
California	Riverside	60651016	100.7	101.0	93.8	94.1
California	Riverside	60652002	84.3	85.0	78.9	79.5
California	Riverside	60655001	92.3	93.0	86.3	86.9
California	Riverside	60656001	94.0	98.0	86.3	90.0
California	Riverside	60658001	97.0	98.0	92.1	93.0
California	Riverside	60658005	92.7	94.0	88.0	89.2
California	Riverside	60659001	88.3	91.0	81.0	83.5
California	Riverside	60659003	67.0	68.0	63.7	64.7
California	Sacramento	60670002	76.7	77.0	71.0	71.3
California	Sacramento	60670006	78.7	81.0	72.5	74.6
California	Sacramento	60670010	70.3	71.0	65.7	66.3
California	Sacramento	60670011	72.5	74.0	66.7	68.0
California	Sacramento	60670012	93.3	95.0	84.9	86.5
California	Sacramento	60670014	69.3	70.0	64.9	65.6
California	Sacramento	60675003	86.3	88.0	78.8	80.4
California	San Benito	60690002	62.0	66.0	57.9	61.7
California	San Benito	60690003	70.0	70.0	65.6	65.6
California	San Bernardino	60710001	77.0	78.0	72.9	73.9
California	San Bernardino	60710005	105.0	107.0	101.9	103.8
California	San Bernardino	60710012	95.0	97.0	89.8	91.7
California	San Bernardino	60710306	83.7	85.0	80.0	81.2
California	San Bernardino	60711004	96.7	98.0	94.4	95.7
California	San Bernardino	60711234	69.0	69.0	66.9	66.9
California	San Bernardino	60712002	101.0	103.0	98.7	100.6
California	San Bernardino	60714001	94.3	97.0	90.6	93.2



State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
California	San Bernardino	60714003	105.0	107.0	100.6	102.6
California	San Bernardino	60719002	92.3	94.0	86.8	88.4
California	San Bernardino	60719004	98.7	99.0	94.6	94.9
California	San Diego	60730001	61.3	63.0	62.0	63.7
California	San Diego	60730003	69.7	71.0	65.8	67.0
California	San Diego	60730006	69.0	69.0	65.7	65.7
California	San Diego	60731001	63.0	64.0	60.1	61.0
California	San Diego	60731002	70.3	72.0	63.4	64.9
California	San Diego	60731006	81.0	82.0	75.1	76.0
California	San Diego	60731008	64.7	67.0	60.7	62.9
California	San Diego	60731010	56.3	59.0	56.9	59.7
California	San Diego	60731016	66.0	66.0	62.8	62.8
California	San Diego	60731201	71.3	72.0	64.5	65.1
California	San Diego	60732007	57.7	58.0	56.4	56.7
California	San Francisco	60750005	46.7	47.0	-9.0	-9.0
California	San Joaquin	60771002	68.0	69.0	63.6	64.5
California	San Joaquin	60773005	79.0	80.0	74.6	75.5
California	San Luis Obispo	60790005	64.3	66.0	59.7	61.3
California	San Luis Obispo	60792006	54.3	57.0	50.3	52.8
California	San Luis Obispo	60793001	53.3	55.0	49.9	51.5
California	San Luis Obispo	60794002	58.7	62.0	54.3	57.3
California	San Luis Obispo	60798001	62.3	63.0	57.7	58.3
California	San Luis Obispo	60798005	78.0	79.0	72.2	73.1
California	San Luis Obispo	60798006	75.0	76.0	69.4	70.4
California	San Mateo	60811001	54.0	56.0	53.4	55.4
California	Santa Barbara	60830008	57.7	59.0	54.7	55.9
California	Santa Barbara	60830011	56.0	57.0	52.9	53.8
California	Santa Barbara	60831008	50.3	52.0	46.6	48.2
California	Santa Barbara	60831013	62.7	64.0	58.3	59.5
California	Santa Barbara	60831014	67.0	69.0	62.7	64.6
California	Santa Barbara	60831018	55.0	56.0	52.3	53.2
California	Santa Barbara	60831021	66.7	71.0	62.6	66.6
California	Santa Barbara	60831025	68.3	73.0	64.7	69.2
California	Santa Barbara	60832004	53.0	54.0	50.0	50.9
California	Santa Barbara	60832011	55.7	57.0	52.5	53.8
California	Santa Barbara	60833001	59.7	62.0	55.8	58.0
California	Santa Barbara	60834003	60.3	61.0	57.5	58.2
California	Santa Clara	60850002	68.3	71.0	63.0	65.5
California	Santa Clara	60850005	60.7	63.0	59.0	61.2

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
California	Santa Clara	60851001	67.5	70.0	64.1	66.5
California	Santa Clara	60852006	71.3	74.0	66.7	69.3
California	Santa Clara	60852009	62.0	62.0	59.3	59.3
California	Santa Cruz	60870007	53.0	55.0	50.2	52.1
California	Shasta	60890004	60.0	64.0	55.3	59.0
California	Shasta	60890007	67.0	69.0	61.8	63.6
California	Shasta	60890009	68.0	69.0	62.6	63.5
California	Shasta	60893003	66.3	68.0	62.0	63.6
California	Siskiyou	60932001	59.7	61.0	-9.0	-9.0
California	Solano	60950004	59.0	61.0	56.3	58.2
California	Solano	60950005	67.3	69.0	62.5	64.1
California	Solano	60953003	68.0	69.0	62.8	63.7
California	Sonoma	60970003	48.0	50.0	43.1	44.9
California	Stanislaus	60990005	75.0	75.0	70.7	70.7
California	Stanislaus	60990006	87.0	88.0	81.9	82.8
California	Sutter	61010003	65.0	66.0	59.6	60.6
California	Tehama	61030004	75.3	76.0	69.3	69.9
California	Tehama	61030005	72.5	73.0	66.8	67.3
California	Tulare	61070006	81.7	85.0	76.0	79.0
California	Tulare	61070009	94.7	96.0	86.1	87.2
California	Tulare	61072002	85.0	88.0	77.4	80.2
California	Tulare	61072010	89.0	90.0	81.2	82.1
California	Tuolumne	61090005	73.3	74.0	67.0	67.6
California	Ventura	61110007	71.7	76.0	68.0	72.1
California	Ventura	61110009	74.0	77.0	69.7	72.6
California	Ventura	61111004	76.7	77.0	72.1	72.4
California	Ventura	61112002	81.0	83.0	77.0	78.9
California	Ventura	61113001	60.7	63.0	57.7	59.9
California	Yolo	61130004	68.7	70.0	62.4	63.5
California	Yolo	61131003	69.0	69.0	64.2	64.2
Colorado	Adams	80013001	76.0	76.0	70.1	70.1
Colorado	Arapahoe	80050002	76.7	79.0	72.3	74.4
Colorado	Arapahoe	80050006	73.5	74.0	66.7	67.2
Colorado	Boulder	80130011	74.7	77.0	66.4	68.4
Colorado	Denver	80310014	71.0	73.0	65.5	67.4
Colorado	Denver	80310025	65.0	65.0	62.0	62.0
Colorado	Douglas	80350004	80.7	83.0	74.4	76.5
Colorado	El Paso	80410013	71.0	74.0	66.4	69.2
Colorado	El Paso	80410016	72.7	74.0	68.2	69.4

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Colorado	Garfield	80450012	65.0	66.0	63.6	64.6
Colorado	Jefferson	80590002	74.0	74.0	67.8	67.8
Colorado	Jefferson	80590005	75.7	78.0	69.8	71.9
Colorado	Jefferson	80590006	80.3	83.0	73.0	75.5
Colorado	Jefferson	80590011	78.7	82.0	72.1	75.1
Colorado	Jefferson	80590013	74.5	75.0	68.5	68.9
Colorado	La Plata	80671004	73.0	74.0	68.4	69.4
Colorado	La Plata	80677001	68.7	69.0	64.9	65.1
Colorado	Larimer	80690007	75.7	77.0	68.5	69.7
Colorado	Larimer	80690011	78.0	80.0	71.5	73.3
Colorado	Larimer	80690012	71.0	71.0	64.5	64.5
Colorado	Larimer	80691004	68.7	72.0	63.2	66.2
Colorado	Mesa	80770020	67.0	68.0	65.1	66.0
Colorado	Montezuma	80830006	67.3	68.0	62.4	63.1
Colorado	Montezuma	80830101	68.3	69.0	61.7	62.3
Colorado	Rio Blanco	81030005	63.5	64.0	61.8	62.3
Colorado	Weld	81230009	74.7	76.0	69.6	70.8
Connecticut	Fairfield	90010017	80.3	83.0	74.1	76.6
Connecticut	Fairfield	90011123	81.3	83.0	71.6	73.1
Connecticut	Fairfield	90013007	84.3	89.0	76.7	81.0
Connecticut	Fairfield	90019003	83.7	87.0	77.5	80.6
Connecticut	Hartford	90031003	73.7	75.0	66.4	67.5
Connecticut	Litchfield	90050005	70.3	71.0	62.0	62.6
Connecticut	Middlesex	90070007	79.3	81.0	69.9	71.4
Connecticut	New Haven	90090027	74.3	78.0	67.7	71.1
Connecticut	New Haven	90099002	85.7	89.0	75.8	78.8
Connecticut	New London	90110124	80.3	84.0	71.1	74.4
Connecticut	Tolland	90131001	75.3	77.0	66.6	68.1
Delaware	Kent	100010002	74.3	78.0	64.3	67.5
Delaware	New Castle	100031007	76.3	80.0	64.9	68.1
Delaware	New Castle	100031010	78.0	78.0	68.1	68.1
Delaware	New Castle	100031013	77.7	80.0	67.4	69.4
Delaware	New Castle	100032004	75.0	75.0	65.1	65.1
Delaware	Sussex	100051002	77.3	81.0	66.3	69.4
Delaware	Sussex	100051003	77.7	81.0	68.6	71.5
District Of Columbia	District of Columbia	110010041	76.0	80.0	65.0	68.4
District Of Columbia	District of Columbia	110010043	80.7	84.0	69.0	71.8

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Florida	Alachua	120013011	63.7	65.0	55.7	56.8
Florida	Baker	120030002	61.7	63.0	54.8	55.9
Florida	Bay	120050006	68.0	69.0	57.9	58.7
Florida	Brevard	120090007	64.0	64.0	56.6	56.6
Florida	Brevard	120094001	64.0	65.0	57.0	57.9
Florida	Broward	120110033	58.0	59.0	54.9	55.8
Florida	Broward	120112003	58.3	59.0	54.0	54.7
Florida	Broward	120118002	59.3	60.0	55.9	56.6
Florida	Collier	120210004	59.5	60.0	53.6	54.0
Florida	Columbia	120230002	62.7	64.0	55.0	56.2
Florida	Duval	120310077	63.3	66.0	55.5	57.9
Florida	Duval	120310100	64.3	67.0	56.5	58.8
Florida	Duval	120310106	63.0	64.0	55.6	56.5
Florida	Escambia	120330004	68.7	70.0	60.0	61.1
Florida	Escambia	120330018	72.0	73.0	62.7	63.6
Florida	Highlands	120550003	63.3	64.0	56.9	57.6
Florida	Hillsborough	120570081	71.7	73.0	64.9	66.0
Florida	Hillsborough	120571035	68.3	69.0	61.5	62.2
Florida	Hillsborough	120571065	70.7	72.0	64.2	65.3
Florida	Hillsborough	120573002	71.5	72.0	63.2	63.6
Florida	Holmes	120590004	62.3	63.0	53.5	54.1
Florida	Indian River	120619991	65.0	65.0	57.7	57.7
Florida	Lake	120690002	65.7	66.0	57.6	57.9
Florida	Lee	120712002	63.7	64.0	56.9	57.1
Florida	Lee	120713002	61.3	62.0	54.2	54.8
Florida	Leon	120730012	64.3	66.0	53.3	54.7
Florida	Leon	120730013	64.0	65.0	52.9	53.8
Florida	Manatee	120813002	64.0	65.0	56.9	57.8
Florida	Manatee	120814012	67.0	67.0	59.4	59.4
Florida	Marion	120830003	65.0	66.0	56.8	57.6
Florida	Marion	120830004	62.0	63.0	53.7	54.6
Florida	Miami-Dade	120860027	64.0	65.0	61.1	62.0
Florida	Miami-Dade	120860029	63.3	64.0	59.4	60.1
Florida	Okaloosa	120910002	66.0	67.0	56.7	57.5
Florida	Orange	120950008	71.0	72.0	62.6	63.4
Florida	Orange	120952002	71.7	73.0	63.7	64.8
Florida	Osceola	120972002	66.0	66.0	57.2	57.2
Florida	Palm Beach	120990009	62.7	63.0	58.4	58.6
Florida	Palm Beach	120990020	61.7	62.0	57.3	57.6

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Florida	Pasco	121010005	66.7	67.0	58.1	58.4
Florida	Pasco	121012001	65.3	67.0	58.9	60.5
Florida	Pinellas	121030004	66.7	67.0	60.8	61.1
Florida	Pinellas	121030018	65.3	66.0	59.5	60.2
Florida	Pinellas	121035002	64.3	65.0	58.7	59.3
Florida	Polk	121056005	67.3	68.0	58.8	59.4
Florida	Polk	121056006	68.3	69.0	59.8	60.4
Florida	Santa Rosa	121130015	71.7	74.0	61.8	63.8
Florida	Sarasota	121151005	71.3	72.0	62.3	62.9
Florida	Sarasota	121151006	67.7	68.0	59.2	59.4
Florida	Sarasota	121152002	66.0	67.0	57.5	58.4
Florida	Seminole	121171002	67.3	69.0	59.2	60.7
Florida	Volusia	121272001	59.7	60.0	51.7	51.9
Florida	Volusia	121275002	63.3	64.0	55.0	55.6
Florida	Wakulla	121290001	63.7	65.0	56.5	57.7
Georgia	Bibb	130210012	72.3	73.0	58.1	58.7
Georgia	Chatham	130510021	63.3	64.0	55.8	56.4
Georgia	Chattooga	130550001	66.3	67.0	57.0	57.6
Georgia	Clarke	130590002	70.7	73.0	56.8	58.6
Georgia	Cobb	130670003	76.0	78.0	63.2	64.9
Georgia	Columbia	130730001	68.7	70.0	57.1	58.1
Georgia	Coweta	130770002	65.0	67.0	52.5	54.1
Georgia	Dawson	130850001	66.3	68.0	54.0	55.3
Georgia	DeKalb	130890002	77.3	80.0	64.1	66.4
Georgia	Douglas	130970004	73.3	75.0	60.6	62.0
Georgia	Fulton	131210055	81.0	83.0	67.5	69.1
Georgia	Glynn	131270006	60.0	61.0	52.8	53.7
Georgia	Gwinnett	131350002	76.7	78.0	61.5	62.6
Georgia	Henry	131510002	80.0	82.0	66.6	68.3
Georgia	Murray	132130003	70.3	72.0	57.9	59.3
Georgia	Muscogee	132150008	66.0	67.0	55.8	56.7
Georgia	Paulding	132230003	70.7	72.0	61.8	62.9
Georgia	Richmond	132450091	70.0	72.0	58.5	60.2
Georgia	Rockdale	132470001	77.0	79.0	62.4	64.1
Georgia	Sumter	132611001	64.7	66.0	55.2	56.3
Idaho	Ada	160010017	67.5	68.0	60.8	61.3
Idaho	Ada	160010019	62.0	62.0	55.3	55.3
Idaho	Butte	160230101	62.3	63.0	-9.0	-9.0
Idaho	Kootenai	160550003	56.0	56.0	50.9	50.9

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Illinois	Adams	170010007	67.0	69.0	60.5	62.3
Illinois	Champaign	170190007	71.0	71.0	62.3	62.3
Illinois	Clark	170230001	66.0	66.0	59.9	59.9
Illinois	Cook	170310001	72.0	74.0	66.5	68.3
Illinois	Cook	170310032	77.7	81.0	64.5	67.3
Illinois	Cook	170310064	71.3	75.0	59.2	62.3
Illinois	Cook	170310076	71.7	74.0	66.1	68.2
Illinois	Cook	170311003	69.7	72.0	56.4	58.3
Illinois	Cook	170311601	71.3	74.0	67.0	69.5
Illinois	Cook	170314002	71.7	74.0	61.0	62.9
Illinois	Cook	170314007	65.7	68.0	53.7	55.6
Illinois	Cook	170314201	75.7	78.0	61.9	63.8
Illinois	Cook	170317002	76.0	80.0	60.3	63.4
Illinois	DuPage	170436001	66.3	68.0	61.8	63.4
Illinois	Effingham	170491001	68.3	70.0	60.8	62.3
Illinois	Hamilton	170650002	74.3	78.0	66.1	69.4
Illinois	Jersey	170831001	76.0	79.0	67.8	70.4
Illinois	Jo Daviess	170859991	68.0	68.0	61.5	61.5
Illinois	Kane	170890005	69.7	71.0	64.6	65.8
Illinois	Lake	170971007	79.3	82.0	64.1	66.3
Illinois	McHenry	171110001	69.7	71.0	64.0	65.2
Illinois	McLean	171132003	70.3	72.0	61.7	63.2
Illinois	Macon	171150013	71.3	73.0	62.5	64.0
Illinois	Macoupin	171170002	71.3	73.0	62.1	63.6
Illinois	Madison	171190008	77.0	80.0	68.7	71.3
Illinois	Madison	171191009	78.3	80.0	68.4	69.9
Illinois	Madison	171193007	76.7	79.0	68.4	70.4
Illinois	Madison	171199991	76.0	76.0	65.9	65.9
Illinois	Peoria	171430024	61.7	63.0	56.1	57.3
Illinois	Peoria	171431001	70.7	72.0	64.3	65.5
Illinois	Randolph	171570001	67.7	70.0	61.5	63.6
Illinois	Rock Island	171613002	58.3	60.0	52.0	53.5
Illinois	Saint Clair	171630010	74.7	77.0	67.9	70.0
Illinois	Sangamon	171670014	72.0	72.0	62.9	62.9
Illinois	Will	171971011	64.0	65.0	58.1	59.0
Illinois	Winnebago	172012001	67.3	68.0	60.5	61.1
Indiana	Allen	180030002	68.3	70.0	60.4	61.9
Indiana	Allen	180030004	69.3	71.0	61.2	62.7
Indiana	Boone	180110001	72.3	74.0	64.1	65.6

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Indiana	Carroll	180150002	69.0	71.0	61.2	63.0
Indiana	Clark	180190008	78.0	81.0	68.9	71.5
Indiana	Delaware	180350010	68.7	70.0	59.6	60.7
Indiana	Elkhart	180390007	67.7	70.0	59.8	61.9
Indiana	Floyd	180431004	76.0	79.0	66.8	69.4
Indiana	Greene	180550001	77.0	78.0	71.4	72.3
Indiana	Hamilton	180570006	71.0	72.0	62.2	63.1
Indiana	Hancock	180590003	66.7	69.0	58.1	60.2
Indiana	Hendricks	180630004	67.0	68.0	59.6	60.5
Indiana	Huntington	180690002	65.0	66.0	57.8	58.7
Indiana	Jackson	180710001	66.0	67.0	60.0	60.9
Indiana	Johnson	180810002	69.0	70.0	60.8	61.6
Indiana	Knox	180839991	73.0	73.0	67.6	67.6
Indiana	Lake	180890022	66.7	69.0	58.5	60.5
Indiana	Lake	180890030	69.7	73.0	61.7	64.6
Indiana	Lake	180892008	68.0	68.0	60.2	60.2
Indiana	LaPorte	180910005	79.3	83.0	70.7	74.0
Indiana	LaPorte	180910010	69.7	72.0	62.9	65.0
Indiana	Madison	180950010	68.3	70.0	59.0	60.5
Indiana	Marion	180970050	72.7	74.0	64.9	66.1
Indiana	Marion	180970057	69.0	71.0	62.9	64.7
Indiana	Marion	180970073	72.0	74.0	64.6	66.4
Indiana	Marion	180970078	69.7	72.0	63.5	65.6
Indiana	Morgan	181090005	69.0	70.0	60.0	60.8
Indiana	Perry	181230009	72.7	75.0	66.8	69.0
Indiana	Porter	181270024	70.3	72.0	60.6	62.1
Indiana	Porter	181270026	63.0	64.0	57.1	58.0
Indiana	Posey	181290003	70.3	71.0	64.9	65.6
Indiana	St. Joseph	181410010	62.7	64.0	55.4	56.5
Indiana	St. Joseph	181410015	69.3	73.0	61.6	64.9
Indiana	St. Joseph	181411007	64.0	64.0	56.9	56.9
Indiana	Shelby	181450001	74.0	75.0	65.3	66.1
Indiana	Vanderburgh	181630013	71.7	73.0	66.2	67.4
Indiana	Vanderburgh	181630021	74.0	74.0	68.4	68.4
Indiana	Vigo	181670018	65.7	68.0	58.1	60.1
Indiana	Vigo	181670024	64.0	64.0	56.5	56.5
Indiana	Warrick	181730008	71.0	73.0	65.7	67.6
Indiana	Warrick	181730009	69.7	72.0	65.1	67.2
Indiana	Warrick	181730011	71.0	74.0	66.0	68.8

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Iowa	Bremer	190170011	64.0	65.0	57.1	58.0
Iowa	Clinton	190450021	66.7	68.0	60.2	61.3
Iowa	Harrison	190850007	66.7	68.0	59.9	61.0
Iowa	Harrison	190851101	67.7	69.0	60.8	61.9
Iowa	Linn	191130028	64.3	66.0	58.2	59.8
Iowa	Linn	191130033	64.0	65.0	57.0	57.9
Iowa	Linn	191130040	62.7	64.0	56.8	57.9
Iowa	Montgomery	191370002	65.3	67.0	59.1	60.6
Iowa	Palo Alto	191471002	66.7	68.0	60.9	62.1
Iowa	Polk	191530030	59.7	61.0	52.6	53.8
Iowa	Scott	191630014	63.0	63.0	56.3	56.3
Iowa	Scott	191630015	66.0	67.0	58.9	59.8
Iowa	Story	191690011	61.3	62.0	53.8	54.4
Iowa	Van Buren	191770006	65.7	68.0	58.7	60.7
Iowa	Warren	191810022	63.7	65.0	56.9	58.0
Kansas	Johnson	200910010	72.7	76.0	64.8	67.7
Kansas	Leavenworth	201030003	72.0	74.0	63.1	64.8
Kansas	Linn	201070002	70.0	72.0	62.2	64.0
Kansas	Sedgwick	201730010	75.3	77.0	67.8	69.4
Kansas	Sedgwick	201730018	75.7	77.0	68.3	69.5
Kansas	Shawnee	201770013	71.7	74.0	63.2	65.2
Kansas	Sumner	201910002	76.0	77.0	69.1	70.0
Kansas	Trego	201950001	72.3	74.0	69.1	70.7
Kansas	Wyandotte	202090021	65.7	70.0	59.5	63.3
Kentucky	Bell	210130002	63.3	65.0	55.9	57.4
Kentucky	Boone	210150003	68.0	70.0	59.8	61.6
Kentucky	Boyd	210190017	70.0	72.0	62.9	64.7
Kentucky	Bullitt	210290006	72.3	75.0	63.8	66.2
Kentucky	Campbell	210373002	76.7	79.0	68.5	70.6
Kentucky	Carter	210430500	67.0	69.0	59.0	60.8
Kentucky	Christian	210470006	70.7	73.0	64.4	66.5
Kentucky	Daviess	210590005	76.3	79.0	70.7	73.2
Kentucky	Edmonson	210610501	72.0	75.0	61.7	64.2
Kentucky	Fayette	210670012	71.3	74.0	62.2	64.6
Kentucky	Greenup	210890007	69.7	72.0	62.8	64.8
Kentucky	Hancock	210910012	73.7	76.0	67.4	69.5
Kentucky	Hardin	210930006	70.3	73.0	61.6	63.9
Kentucky	Henderson	211010014	76.3	79.0	70.6	73.1
Kentucky	Jefferson	211110027	77.0	80.0	69.1	71.8



State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Kentucky	Jefferson	211110051	77.3	79.0	70.8	72.4
Kentucky	Jefferson	211110067	82.0	85.0	73.7	76.4
Kentucky	Jessamine	211130001	70.0	72.0	60.7	62.4
Kentucky	Livingston	211390003	72.3	75.0	61.1	63.4
Kentucky	McCracken	211451024	73.7	77.0	61.5	64.3
Kentucky	Oldham	211850004	82.0	86.0	71.0	74.5
Kentucky	Perry	211930003	65.3	68.0	62.7	65.3
Kentucky	Pike	211950002	65.7	68.0	63.2	65.4
Kentucky	Pulaski	211990003	66.7	69.0	56.2	58.2
Kentucky	Simpson	212130004	69.3	71.0	58.7	60.2
Kentucky	Trigg	212218001	69.0	69.0	60.0	60.0
Kentucky	Warren	212270008	64.0	64.0	54.8	54.8
Kentucky	Washington	212299991	69.0	69.0	60.0	60.0
Louisiana	Ascension	220050004	74.7	77.0	66.5	68.5
Louisiana	Bossier	220150008	77.3	80.0	71.5	74.0
Louisiana	Caddo	220170001	74.7	76.0	69.6	70.8
Louisiana	Calcasieu	220190002	73.3	76.0	70.0	72.6
Louisiana	Calcasieu	220190008	67.7	69.0	63.5	64.7
Louisiana	Calcasieu	220190009	72.0	74.0	67.8	69.7
Louisiana	East Baton Rouge	220330003	78.7	82.0	70.6	73.6
Louisiana	East Baton Rouge	220330009	75.0	77.0	67.5	69.3
Louisiana	East Baton Rouge	220330013	71.0	72.0	63.1	64.0
Louisiana	Iberville	220470009	73.3	75.0	65.8	67.4
Louisiana	Iberville	220470012	76.0	77.0	68.8	69.7
Louisiana	Jefferson	220511001	73.7	76.0	67.5	69.6
Louisiana	Lafayette	220550007	71.0	72.0	63.8	64.7
Louisiana	Lafourche	220570004	72.3	74.0	65.6	67.2
Louisiana	Livingston	220630002	74.0	76.0	65.8	67.6
Louisiana	Orleans	220710012	69.3	70.0	63.5	64.1
Louisiana	Ouachita	220730004	63.3	66.0	59.3	61.9
Louisiana	Pointe Coupee	220770001	75.3	77.0	65.7	67.2
Louisiana	St. Bernard	220870004	69.0	69.0	64.3	64.3
Louisiana	St. Charles	220890003	70.0	72.0	64.1	65.9
Louisiana	St. James	220930002	68.0	69.0	61.7	62.6
Louisiana	St. John the Baptist	220950002	74.0	75.0	67.2	68.1
Louisiana	St. Tammany	221030002	73.3	74.0	67.0	67.6
Louisiana	West Baton Rouge	221210001	70.3	72.0	63.2	64.8

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Maine	Androscoggin	230010014	61.0	62.0	54.3	55.2
Maine	Aroostook	230031100	51.3	52.0	-9.0	-9.0
Maine	Cumberland	230052003	69.3	70.0	61.4	62.1
Maine	Hancock	230090102	71.7	74.0	64.7	66.8
Maine	Hancock	230090103	66.3	69.0	59.6	62.0
Maine	Kennebec	230112005	62.7	64.0	55.2	56.4
Maine	Knox	230130004	67.7	69.0	60.0	61.1
Maine	Oxford	230173001	54.3	55.0	48.7	49.3
Maine	Penobscot	230194008	57.7	59.0	51.1	52.2
Maine	Sagadahoc	230230006	61.0	61.0	53.8	53.8
Maine	Washington	230290019	58.3	59.0	53.3	53.9
Maine	Washington	230290032	53.0	53.0	49.2	49.2
Maine	York	230310038	60.3	62.0	52.9	54.3
Maine	York	230310040	64.3	65.0	56.4	57.0
Maine	York	230312002	73.7	75.0	64.9	66.1
Maryland	Anne Arundel	240030014	83.0	87.0	71.0	74.5
Maryland	Baltimore	240051007	79.0	82.0	70.2	72.8
Maryland	Baltimore	240053001	80.7	84.0	71.6	74.5
Maryland	Calvert	240090011	79.7	83.0	68.2	71.0
Maryland	Carroll	240130001	76.3	79.0	65.9	68.2
Maryland	Cecil	240150003	83.0	86.0	71.1	73.7
Maryland	Charles	240170010	79.0	83.0	67.0	70.4
Maryland	Dorchester	240199991	75.0	75.0	64.2	64.2
Maryland	Frederick	240210037	76.3	79.0	67.0	69.4
Maryland	Garrett	240230002	72.0	75.0	61.1	63.7
Maryland	Harford	240251001	90.0	93.0	79.4	82.1
Maryland	Harford	240259001	79.3	82.0	68.7	71.0
Maryland	Kent	240290002	78.7	82.0	67.3	70.1
Maryland	Montgomery	240313001	75.7	77.0	66.3	67.5
Maryland	Prince George's	240330030	79.0	82.0	67.9	70.5
Maryland	Prince George's	240338003	82.3	87.0	70.4	74.5
Maryland	Prince George's	240339991	80.0	80.0	68.7	68.7
Maryland	Washington	240430009	72.7	75.0	63.3	65.3
Maryland	Baltimore (City)	245100054	73.7	75.0	67.2	68.4
Massachusetts	Barnstable	250010002	73.0	75.0	64.4	66.1
Massachusetts	Berkshire	250034002	69.0	71.0	61.1	62.9
Massachusetts	Bristol	250051002	74.0	74.0	66.5	66.5
Massachusetts	Dukes	250070001	77.0	80.0	69.1	71.8
Massachusetts	Essex	250092006	71.0	71.0	62.4	62.4

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Massachusetts	Essex	250094005	70.0	70.0	61.8	61.8
Massachusetts	Essex	250095005	69.3	70.0	61.1	61.8
Massachusetts	Hampden	250130008	73.7	74.0	64.7	65.0
Massachusetts	Hampshire	250150103	64.7	66.0	57.1	58.3
Massachusetts	Hampshire	250154002	71.3	72.0	62.3	63.0
Massachusetts	Middlesex	250170009	67.3	68.0	59.2	59.8
Massachusetts	Middlesex	250171102	67.0	67.0	58.8	58.8
Massachusetts	Norfolk	250213003	72.3	73.0	63.5	64.1
Massachusetts	Suffolk	250250041	68.3	70.0	60.5	62.0
Massachusetts	Suffolk	250250042	60.7	61.0	53.2	53.5
Massachusetts	Worcester	250270015	68.3	70.0	59.9	61.4
Massachusetts	Worcester	250270024	69.0	70.0	60.4	61.2
Michigan	Allegan	260050003	82.7	86.0	74.5	77.5
Michigan	Benzie	260190003	73.0	75.0	65.1	66.9
Michigan	Berrien	260210014	79.7	82.0	72.8	74.9
Michigan	Cass	260270003	76.7	78.0	67.3	68.5
Michigan	Chippewa	260330901	63.5	64.0	-9.0	-9.0
Michigan	Clinton	260370001	69.3	71.0	60.4	61.8
Michigan	Genesee	260490021	73.0	76.0	64.7	67.4
Michigan	Genesee	260492001	72.3	74.0	63.4	64.9
Michigan	Huron	260630007	71.3	74.0	64.7	67.2
Michigan	Ingham	260650012	70.3	72.0	61.4	62.9
Michigan	Kalamazoo	260770008	73.7	75.0	64.7	65.9
Michigan	Kent	260810020	73.0	75.0	64.4	66.2
Michigan	Kent	260810022	72.7	74.0	63.5	64.6
Michigan	Lenawee	260910007	75.5	76.0	66.9	67.3
Michigan	Macomb	260990009	76.7	78.0	69.9	71.1
Michigan	Macomb	260991003	77.3	79.0	72.1	73.7
Michigan	Manistee	261010922	72.3	74.0	64.2	65.7
Michigan	Mason	261050007	73.3	75.0	65.2	66.7
Michigan	Missaukee	261130001	68.3	70.0	60.9	62.5
Michigan	Muskegon	261210039	79.7	82.0	70.8	72.9
Michigan	Oakland	261250001	76.3	78.0	69.8	71.4
Michigan	Ottawa	261390005	76.0	78.0	67.3	69.0
Michigan	St. Clair	261470005	75.3	77.0	67.5	69.1
Michigan	Schoolcraft	261530001	71.7	75.0	64.0	66.9
Michigan	Washtenaw	261610008	73.3	76.0	65.8	68.2
Michigan	Wayne	261630001	71.7	74.0	64.9	67.0
Michigan	Wayne	261630019	78.7	81.0	72.7	74.8

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Minnesota	Anoka	270031001	67.0	67.0	58.7	58.7
Minnesota	Anoka	270031002	66.3	67.0	60.1	60.8
Minnesota	Becker	270052013	61.0	61.0	-9.0	-9.0
Minnesota	Carlton	270177416	55.5	56.0	-9.0	-9.0
Minnesota	Crow Wing	270353204	62.0	62.0	55.3	55.3
Minnesota	Goodhue	270495302	62.5	63.0	56.4	56.9
Minnesota	Lake	270750005	58.0	58.0	-9.0	-9.0
Minnesota	Lyon	270834210	64.5	65.0	-9.0	-9.0
Minnesota	Mille Lacs	270953051	59.7	60.0	52.7	52.9
Minnesota	Olmsted	271095008	63.5	64.0	57.3	57.8
Minnesota	Saint Louis	271370034	61.3	63.0	-9.0	-9.0
Minnesota	Saint Louis	271377550	49.7	50.0	44.3	44.6
Minnesota	Scott	271390505	63.5	65.0	57.3	58.7
Minnesota	Stearns	271453052	61.5	62.0	56.0	56.4
Minnesota	Wright	271713201	63.5	64.0	58.0	58.4
Mississippi	Bolivar	280110001	71.7	74.0	66.3	68.4
Mississippi	DeSoto	280330002	72.3	74.0	63.1	64.6
Mississippi	Hancock	280450003	66.3	67.0	58.5	59.1
Mississippi	Harrison	280470008	72.3	75.0	62.7	65.0
Mississippi	Hinds	280490010	67.0	68.0	56.6	57.4
Mississippi	Jackson	280590006	71.7	73.0	61.6	62.8
Mississippi	Lauderdale	280750003	62.7	63.0	55.9	56.2
Mississippi	Lee	280810005	65.0	66.0	55.4	56.2
Mississippi	Yalobusha	281619991	63.0	63.0	56.0	56.0
Missouri	Andrew	290030001	73.3	75.0	64.2	65.7
Missouri	Boone	290190011	69.0	72.0	61.4	64.0
Missouri	Callaway	290270002	67.7	70.0	59.6	61.6
Missouri	Cass	290370003	70.0	72.0	62.4	64.2
Missouri	Cedar	290390001	71.7	74.0	64.7	66.8
Missouri	Clay	290470003	77.0	79.0	68.1	69.8
Missouri	Clay	290470005	75.3	77.0	66.7	68.2
Missouri	Clay	290470006	77.7	80.0	68.8	70.9
Missouri	Clinton	290490001	78.0	80.0	68.7	70.5
Missouri	Greene	290770036	69.3	71.0	61.5	63.0
Missouri	Greene	290770042	71.7	74.0	63.6	65.6
Missouri	Jasper	290970004	76.7	78.0	68.4	69.5
Missouri	Jefferson	290990019	76.3	79.0	69.8	72.3
Missouri	Lincoln	291130003	77.0	80.0	67.9	70.5
Missouri	Monroe	291370001	68.7	71.0	61.8	63.9

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Missouri	Perry	291570001	74.3	77.0	65.3	67.7
Missouri	Saint Charles	291831002	82.3	86.0	74.1	77.4
Missouri	Saint Charles	291831004	77.7	80.0	70.3	72.4
Missouri	Sainte Genevieve	291860005	72.3	75.0	64.9	67.3
Missouri	Saint Louis	291890005	72.0	74.0	64.1	65.9
Missouri	Saint Louis	291890014	79.0	82.0	71.8	74.5
Missouri	Taney	292130004	69.0	70.0	61.1	62.0
Missouri	St. Louis City	295100085	75.7	79.0	70.2	73.2
Montana	Flathead	300298001	54.7	55.0	-9.0	-9.0
Montana	Lewis and Clark	300490004	54.0	54.0	-9.0	-9.0
Montana	Powder River	300750001	55.0	55.0	53.2	53.2
Montana	Rosebud	300870001	55.5	56.0	54.1	54.6
Nebraska	Douglas	310550019	67.0	67.0	61.7	61.7
Nebraska	Douglas	310550028	58.7	60.0	54.0	55.2
Nebraska	Douglas	310550035	64.0	66.0	58.0	59.8
Nebraska	Knox	311079991	68.0	68.0	-9.0	-9.0
Nebraska	Lancaster	311090016	53.3	55.0	48.6	50.1
Nevada	Churchill	320010002	56.7	58.0	54.5	55.7
Nevada	Clark	320030043	74.7	76.0	71.3	72.5
Nevada	Clark	320030071	75.3	76.0	71.1	71.7
Nevada	Clark	320030073	74.7	76.0	70.5	71.7
Nevada	Clark	320030075	76.0	77.0	70.1	71.0
Nevada	Clark	320030538	71.0	72.0	66.3	67.2
Nevada	Clark	320030540	71.0	71.0	66.3	66.3
Nevada	Clark	320030601	72.0	72.0	68.7	68.7
Nevada	Clark	320031019	74.3	75.0	70.0	70.7
Nevada	Clark	320032002	71.7	73.0	66.3	67.5
Nevada	Lyon	320190006	68.5	69.0	64.7	65.1
Nevada	Washoe	320310016	66.0	67.0	62.4	63.3
Nevada	Washoe	320310020	67.0	68.0	63.3	64.3
Nevada	Washoe	320310025	66.3	67.0	63.1	63.7
Nevada	Washoe	320311005	67.3	68.0	63.4	64.0
Nevada	Washoe	320312002	61.7	62.0	57.6	57.9
Nevada	Washoe	320312009	67.0	68.0	63.2	64.2
Nevada	White Pine	320330101	72.0	74.0	68.6	70.5
Nevada	Carson City	325100002	66.0	66.0	63.2	63.2
New Hampshire	Belknap	330012004	62.3	63.0	55.1	55.7
New Hampshire	Cheshire	330050007	62.3	63.0	54.8	55.4
New Hampshire	Coos	330074001	69.3	70.0	62.8	63.5

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
New Hampshire	Coos	330074002	59.7	61.0	54.2	55.4
New Hampshire	Grafton	330090010	59.7	60.0	52.9	53.2
New Hampshire	Hillsborough	330111011	66.3	67.0	58.2	58.8
New Hampshire	Hillsborough	330115001	69.0	70.0	61.2	62.1
New Hampshire	Merrimack	330131007	64.7	65.0	56.8	57.1
New Hampshire	Rockingham	330150014	66.0	66.0	58.5	58.5
New Hampshire	Rockingham	330150016	66.3	67.0	58.8	59.4
New Hampshire	Rockingham	330150018	68.0	68.0	60.0	60.0
New Jersey	Atlantic	340010006	74.3	76.0	64.8	66.2
New Jersey	Bergen	340030006	77.0	78.0	67.8	68.7
New Jersey	Camden	340071001	82.7	87.0	72.3	76.0
New Jersey	Cumberland	340110007	72.0	75.0	62.7	65.3
New Jersey	Essex	340130003	78.0	82.0	68.8	72.3
New Jersey	Gloucester	340150002	84.3	87.0	74.0	76.3
New Jersey	Hudson	340170006	77.0	78.0	69.1	70.0
New Jersey	Hunterdon	340190001	78.0	80.0	67.3	69.0
New Jersey	Mercer	340210005	78.3	81.0	69.7	72.1
New Jersey	Mercer	340219991	76.0	76.0	67.1	67.1
New Jersey	Middlesex	340230011	81.3	85.0	71.7	75.0
New Jersey	Monmouth	340250005	80.0	83.0	69.9	72.6
New Jersey	Morris	340273001	76.3	78.0	65.1	66.5
New Jersey	Ocean	340290006	82.0	85.0	72.6	75.2
New Jersey	Passaic	340315001	73.3	75.0	64.8	66.3
New Jersey	Warren	340410007	66.0	66.0	56.2	56.2
New Mexico	Bernalillo	350010023	68.0	70.0	62.5	64.4
New Mexico	Bernalillo	350010024	69.3	70.0	63.7	64.4
New Mexico	Bernalillo	350010027	70.0	71.0	65.8	66.7
New Mexico	Bernalillo	350010029	68.7	70.0	63.5	64.7
New Mexico	Bernalillo	350010032	70.0	70.0	63.6	63.6
New Mexico	Bernalillo	350011012	72.0	74.0	66.7	68.5
New Mexico	Bernalillo	350011013	68.7	69.0	63.6	63.9
New Mexico	Dona Ana	350130008	64.7	67.0	62.7	64.9
New Mexico	Dona Ana	350130017	66.7	68.0	65.1	66.4
New Mexico	Dona Ana	350130020	67.7	69.0	64.9	66.1
New Mexico	Dona Ana	350130021	71.0	72.0	69.3	70.3
New Mexico	Dona Ana	350130022	70.3	75.0	68.3	72.9
New Mexico	Dona Ana	350130023	64.3	65.0	61.8	62.4
New Mexico	Eddy	350151005	70.3	71.0	68.1	68.8
New Mexico	Grant	350171003	65.0	67.0	62.8	64.7

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
New Mexico	Lea	350250008	62.7	66.0	61.0	64.2
New Mexico	Luna	350290003	63.0	67.0	60.4	64.2
New Mexico	Sandoval	350431001	61.7	63.0	57.7	59.0
New Mexico	Sandoval	350439004	63.0	63.0	60.8	60.8
New Mexico	San Juan	350450009	65.3	68.0	59.7	62.2
New Mexico	San Juan	350450018	71.0	71.0	65.7	65.7
New Mexico	San Juan	350451005	66.0	68.0	57.2	58.9
New Mexico	Santa Fe	350490021	64.3	66.0	61.2	62.8
New Mexico	Valencia	350610008	68.5	70.0	62.5	63.9
New York	Albany	360010012	68.0	70.0	60.4	62.2
New York	Bronx	360050133	74.0	76.0	66.5	68.3
New York	Chautauqua	360130006	73.3	76.0	65.6	68.0
New York	Chautauqua	360130011	74.0	76.0	65.8	67.6
New York	Chemung	360150003	66.5	67.0	60.0	60.5
New York	Dutchess	360270007	72.0	74.0	62.7	64.4
New York	Erie	360290002	71.3	73.0	64.3	65.9
New York	Essex	360310002	70.3	73.0	63.5	65.9
New York	Essex	360310003	67.3	69.0	60.8	62.3
New York	Hamilton	360410005	66.0	67.0	59.3	60.2
New York	Herkimer	360430005	62.0	63.0	56.4	57.3
New York	Jefferson	360450002	71.7	74.0	65.1	67.1
New York	Madison	360530006	67.0	67.0	60.6	60.6
New York	New York	360610135	73.3	76.0	66.9	69.3
New York	Niagara	360631006	72.3	75.0	66.7	69.2
New York	Oneida	360650004	61.5	64.0	55.7	57.9
New York	Onondaga	360671015	69.3	72.0	63.0	65.4
New York	Orange	360715001	67.0	69.0	59.3	61.0
New York	Oswego	360750003	68.0	70.0	61.1	62.9
New York	Putnam	360790005	70.0	71.0	61.8	62.7
New York	Queens	360810124	78.0	80.0	73.4	75.3
New York	Rensselaer	360830004	67.0	67.0	59.5	59.5
New York	Richmond	360850067	81.3	83.0	74.6	76.2
New York	Rockland	360870005	75.0	76.0	67.3	68.2
New York	Saratoga	360910004	67.0	68.0	59.7	60.6
New York	Steuben	361010003	65.3	67.0	59.5	61.1
New York	Suffolk	361030002	83.3	85.0	78.2	79.8
New York	Suffolk	361030004	78.0	80.0	71.2	73.0
New York	Suffolk	361030009	78.7	80.0	73.5	74.7
New York	Ulster	361111005	69.0	69.0	62.3	62.3

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
New York	Wayne	361173001	65.0	67.0	59.4	61.3
New York	Westchester	361192004	75.3	76.0	66.8	67.4
North Carolina	Alexander	370030004	66.7	68.0	56.8	57.9
North Carolina	Avery	370110002	63.3	65.0	55.3	56.8
North Carolina	Avery	370119991	63.0	63.0	55.1	55.1
North Carolina	Buncombe	370210030	66.7	68.0	58.0	59.1
North Carolina	Caldwell	370270003	66.0	67.0	56.7	57.6
North Carolina	Caswell	370330001	70.7	73.0	60.2	62.2
North Carolina	Chatham	370370004	64.0	66.0	54.1	55.7
North Carolina	Cumberland	370510008	68.7	70.0	58.3	59.4
North Carolina	Cumberland	370511003	70.7	72.0	59.7	60.8
North Carolina	Davie	370590003	71.0	73.0	59.7	61.4
North Carolina	Durham	370630015	70.0	72.0	58.3	60.0
North Carolina	Edgecombe	370650099	70.0	71.0	60.1	60.9
North Carolina	Forsyth	370670022	75.3	78.0	64.4	66.7
North Carolina	Forsyth	370670028	69.7	72.0	59.7	61.7
North Carolina	Forsyth	370670030	72.7	76.0	61.7	64.5
North Carolina	Forsyth	370671008	72.3	75.0	61.7	64.0
North Carolina	Franklin	370690001	69.3	71.0	57.8	59.2
North Carolina	Graham	370750001	70.3	72.0	60.8	62.2
North Carolina	Granville	370770001	70.7	72.0	59.8	60.9
North Carolina	Guilford	370810013	74.0	76.0	63.0	64.7
North Carolina	Haywood	370870008	61.0	61.0	54.5	54.5
North Carolina	Haywood	370870036	67.7	69.0	61.0	62.1
North Carolina	Jackson	370990005	67.0	67.0	59.4	59.4
North Carolina	Johnston	371010002	71.7	74.0	59.7	61.6
North Carolina	Lenoir	371070004	67.7	69.0	57.9	59.1
North Carolina	Lincoln	371090004	72.7	75.0	61.3	63.3
North Carolina	Martin	371170001	66.3	67.0	57.2	57.8
North Carolina	Mecklenburg	371190041	80.0	83.0	67.3	69.8
North Carolina	Mecklenburg	371191005	75.0	77.0	62.4	64.1
North Carolina	Mecklenburg	371191009	79.7	83.0	65.2	67.9
North Carolina	Montgomery	371239991	66.0	66.0	53.4	53.4
North Carolina	New Hanover	371290002	63.0	64.0	53.3	54.1
North Carolina	Person	371450003	71.0	74.0	63.4	66.1
North Carolina	Pitt	371470006	69.7	71.0	59.9	61.1
North Carolina	Rockingham	371570099	71.0	73.0	61.1	62.8
North Carolina	Rowan	371590021	75.3	78.0	62.2	64.4
North Carolina	Rowan	371590022	75.0	77.0	61.5	63.1



State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
North Carolina	Swain	371730002	60.7	62.0	53.3	54.5
North Carolina	Union	371790003	71.0	73.0	59.0	60.6
North Carolina	Wake	371830014	70.3	72.0	58.8	60.2
North Carolina	Wake	371830016	73.0	75.0	62.2	63.9
North Carolina	Yancey	371990004	69.7	71.0	60.4	61.5
North Dakota	Billings	380070002	57.7	58.0	-9.0	-9.0
North Dakota	Burke	380130004	59.0	60.0	-9.0	-9.0
North Dakota	Burleigh	380150003	57.7	58.0	-9.0	-9.0
North Dakota	Cass	380171004	60.0	61.0	-9.0	-9.0
North Dakota	Dunn	380250003	56.0	56.0	-9.0	-9.0
North Dakota	McKenzie	380530002	58.7	59.0	-9.0	-9.0
North Dakota	Mercer	380570004	59.0	60.0	-9.0	-9.0
North Dakota	Oliver	380650002	58.0	58.0	-9.0	-9.0
Ohio	Allen	390030009	73.0	74.0	65.3	66.2
Ohio	Ashtabula	390071001	77.3	79.0	66.8	68.3
Ohio	Athens	390090004	69.0	69.0	60.9	60.9
Ohio	Butler	390170004	77.0	79.0	70.0	71.8
Ohio	Butler	390170018	79.7	82.0	70.9	72.9
Ohio	Butler	390179991	77.0	77.0	67.6	67.6
Ohio	Clark	390230001	75.0	76.0	65.8	66.7
Ohio	Clark	390230003	74.0	75.0	65.1	66.0
Ohio	Clermont	390250022	78.7	82.0	67.9	70.8
Ohio	Clinton	390271002	78.7	82.0	67.1	69.9
Ohio	Cuyahoga	390350034	77.7	80.0	63.9	65.8
Ohio	Cuyahoga	390350060	68.5	70.0	56.0	57.2
Ohio	Cuyahoga	390350064	70.0	73.0	60.2	62.8
Ohio	Cuyahoga	390355002	76.7	80.0	63.0	65.7
Ohio	Delaware	390410002	73.0	74.0	64.1	64.9
Ohio	Fayette	390479991	72.0	72.0	62.2	62.2
Ohio	Franklin	390490029	80.3	82.0	71.9	73.5
Ohio	Franklin	390490037	75.0	76.0	66.3	67.2
Ohio	Franklin	390490081	71.0	73.0	63.0	64.7
Ohio	Geauga	390550004	74.7	78.0	65.3	68.1
Ohio	Greene	390570006	73.0	74.0	62.7	63.6
Ohio	Hamilton	390610006	82.0	85.0	73.2	75.9
Ohio	Hamilton	390610010	76.3	80.0	67.8	71.1
Ohio	Hamilton	390610040	78.7	80.0	70.8	72.0
Ohio	Jefferson	390810017	70.3	72.0	63.7	65.3
Ohio	Knox	390830002	73.7	75.0	64.6	65.8

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Ohio	Lake	390850003	80.0	83.0	64.9	67.3
Ohio	Lake	390850007	71.7	73.0	58.4	59.4
Ohio	Lawrence	390870011	65.0	67.0	57.8	59.5
Ohio	Lawrence	390870012	70.0	72.0	63.0	64.8
Ohio	Licking	390890005	74.3	76.0	64.4	65.9
Ohio	Lorain	390930018	71.7	75.0	58.6	61.3
Ohio	Lucas	390950024	68.0	70.0	59.3	61.0
Ohio	Lucas	390950027	66.7	68.0	60.5	61.7
Ohio	Lucas	390950034	74.3	77.0	65.1	67.5
Ohio	Madison	390970007	74.3	76.0	63.8	65.2
Ohio	Mahoning	390990013	70.7	73.0	61.8	63.8
Ohio	Medina	391030004	69.0	69.0	60.7	60.7
Ohio	Miami	391090005	73.3	74.0	64.0	64.6
Ohio	Montgomery	391130037	76.7	78.0	67.3	68.5
Ohio	Portage	391331001	68.3	71.0	60.4	62.8
Ohio	Preble	391351001	72.3	74.0	63.0	64.4
Ohio	Stark	391510016	76.7	79.0	66.4	68.4
Ohio	Stark	391510022	72.0	73.0	62.7	63.6
Ohio	Stark	391514005	72.3	75.0	63.0	65.3
Ohio	Summit	391530020	72.0	74.0	64.2	66.0
Ohio	Trumbull	391550009	71.0	73.0	61.4	63.1
Ohio	Trumbull	391550011	76.3	79.0	66.4	68.7
Ohio	Warren	391650007	77.7	79.0	67.6	68.7
Ohio	Washington	391670004	71.3	74.0	62.8	65.2
Ohio	Wood	391730003	71.3	73.0	64.4	65.9
Oklahoma	Adair	400019009	73.7	76.0	67.3	69.4
Oklahoma	Caddo	400159008	74.7	77.0	67.1	69.1
Oklahoma	Canadian	400170101	75.7	76.0	67.6	67.9
Oklahoma	Cherokee	400219002	73.7	76.0	67.2	69.3
Oklahoma	Cleveland	400270049	75.0	76.0	68.0	68.9
Oklahoma	Comanche	400310651	74.7	77.0	68.2	70.3
Oklahoma	Creek	400370144	77.0	78.0	68.0	68.9
Oklahoma	Dewey	400430860	72.3	74.0	68.4	70.0
Oklahoma	Kay	400719010	73.0	77.0	66.1	69.7
Oklahoma	McClain	400871073	74.0	75.0	66.6	67.5
Oklahoma	McCurtain	400892001	68.0	68.0	63.1	63.1
Oklahoma	Mayes	400979014	76.3	78.0	70.0	71.5
Oklahoma	Oklahoma	401090033	76.7	78.0	69.8	71.0
Oklahoma	Oklahoma	401090096	76.0	77.0	69.0	69.9

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Oklahoma	Oklahoma	401091037	78.3	79.0	71.0	71.6
Oklahoma	Ottawa	401159004	74.0	76.0	66.0	67.8
Oklahoma	Pittsburg	401210415	73.3	75.0	67.4	69.0
Oklahoma	Sequoyah	401359021	72.0	72.0	64.8	64.8
Oklahoma	Tulsa	401430137	79.0	80.0	70.4	71.3
Oklahoma	Tulsa	401430174	75.3	77.0	68.2	69.7
Oklahoma	Tulsa	401430178	76.7	78.0	69.0	70.2
Oklahoma	Tulsa	401431127	78.3	80.0	71.2	72.8
Oregon	Clackamas	410050004	64.0	66.0	58.6	60.4
Oregon	Columbia	410090004	51.3	53.0	48.4	50.0
Oregon	Deschutes	410170122	58.5	59.0	-9.0	-9.0
Oregon	Jackson	410290201	61.7	63.0	-9.0	-9.0
Oregon	Lane	410390060	58.0	59.0	51.8	52.7
Oregon	Lane	410391007	60.0	61.0	53.4	54.3
Oregon	Marion	410470004	59.3	61.0	53.3	54.8
Oregon	Multnomah	410510080	56.7	57.0	54.8	55.0
Oregon	Umatilla	410591003	61.3	62.0	-9.0	-9.0
Oregon	Washington	410671004	57.7	59.0	52.8	54.0
Pennsylvania	Allegheny	420030008	76.3	79.0	70.5	73.0
Pennsylvania	Allegheny	420030010	73.7	75.0	68.1	69.3
Pennsylvania	Allegheny	420030067	75.7	78.0	69.1	71.2
Pennsylvania	Allegheny	420031005	80.7	82.0	74.0	75.2
Pennsylvania	Armstrong	420050001	74.3	75.0	67.5	68.1
Pennsylvania	Beaver	420070002	70.7	72.0	65.6	66.8
Pennsylvania	Beaver	420070005	74.7	77.0	69.5	71.6
Pennsylvania	Beaver	420070014	72.3	74.0	67.1	68.7
Pennsylvania	Berks	420110006	71.7	75.0	63.4	66.3
Pennsylvania	Berks	420110011	76.3	79.0	66.8	69.1
Pennsylvania	Blair	420130801	72.7	75.0	67.5	69.7
Pennsylvania	Bucks	420170012	80.3	83.0	71.3	73.7
Pennsylvania	Cambria	420210011	70.3	72.0	64.6	66.1
Pennsylvania	Centre	420270100	71.0	73.0	65.7	67.5
Pennsylvania	Centre	420279991	72.0	72.0	66.8	66.8
Pennsylvania	Chester	420290100	76.3	79.0	66.3	68.6
Pennsylvania	Clearfield	420334000	72.3	74.0	67.1	68.7
Pennsylvania	Dauphin	420430401	69.0	69.0	62.7	62.7
Pennsylvania	Dauphin	420431100	74.7	77.0	67.0	69.0
Pennsylvania	Delaware	420450002	75.7	78.0	66.1	68.1
Pennsylvania	Erie	420490003	74.0	76.0	64.4	66.1

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Pennsylvania	Franklin	420550001	67.0	68.0	59.6	60.5
Pennsylvania	Greene	420590002	69.0	71.0	61.6	63.4
Pennsylvania	Indiana	420630004	75.7	79.0	69.6	72.6
Pennsylvania	Lackawanna	420690101	71.0	72.0	63.4	64.3
Pennsylvania	Lackawanna	420692006	68.7	71.0	61.3	63.4
Pennsylvania	Lancaster	420710007	77.0	80.0	69.2	71.9
Pennsylvania	Lancaster	420710012	78.0	82.0	68.6	72.1
Pennsylvania	Lawrence	420730015	71.0	73.0	64.2	66.0
Pennsylvania	Lebanon	420750100	76.0	76.0	67.3	67.3
Pennsylvania	Lehigh	420770004	76.0	78.0	66.9	68.6
Pennsylvania	Luzerne	420791100	65.0	66.0	58.0	58.9
Pennsylvania	Luzerne	420791101	64.3	66.0	57.5	59.0
Pennsylvania	Lycoming	420810100	67.0	69.0	59.9	61.7
Pennsylvania	Mercer	420850100	76.3	79.0	66.5	68.8
Pennsylvania	Monroe	420890002	66.7	70.0	57.9	60.8
Pennsylvania	Montgomery	420910013	76.3	78.0	67.5	69.0
Pennsylvania	Northampton	420950025	76.0	77.0	66.7	67.6
Pennsylvania	Northampton	420958000	69.7	71.0	60.8	61.9
Pennsylvania	Perry	420990301	68.3	70.0	61.7	63.2
Pennsylvania	Philadelphia	421010004	66.0	70.0	59.1	62.7
Pennsylvania	Philadelphia	421010024	83.3	87.0	74.7	78.0
Pennsylvania	Philadelphia	421011002	80.0	80.0	71.7	71.7
Pennsylvania	Somerset	421119991	65.0	65.0	56.6	56.6
Pennsylvania	Tioga	421174000	69.7	71.0	63.6	64.7
Pennsylvania	Washington	421250005	70.0	72.0	63.4	65.2
Pennsylvania	Washington	421250200	70.7	73.0	63.7	65.8
Pennsylvania	Washington	421255001	70.3	71.0	64.4	65.0
Pennsylvania	Westmoreland	421290006	71.7	74.0	65.4	67.5
Pennsylvania	Westmoreland	421290008	71.0	73.0	64.0	65.8
Pennsylvania	York	421330008	72.3	74.0	65.0	66.5
Pennsylvania	York	421330011	74.3	77.0	66.4	68.8
Rhode Island	Kent	440030002	73.7	74.0	65.3	65.5
Rhode Island	Providence	440071010	74.0	76.0	65.3	67.1
Rhode Island	Washington	440090007	76.3	78.0	68.2	69.7
South Carolina	Abbeville	450010001	62.0	64.0	51.0	52.6
South Carolina	Aiken	450030003	64.3	67.0	53.6	55.8
South Carolina	Anderson	450070005	70.0	73.0	58.4	60.9
South Carolina	Berkeley	450150002	62.3	64.0	53.6	55.0
South Carolina	Charleston	450190046	64.7	66.0	55.3	56.4

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
South Carolina	Chesterfield	450250001	64.3	66.0	54.0	55.4
South Carolina	Colleton	450290002	61.0	64.0	51.6	54.2
South Carolina	Darlington	450310003	68.0	70.0	56.9	58.6
South Carolina	Edgefield	450370001	61.3	63.0	50.5	51.9
South Carolina	Greenville	450450016	68.0	69.0	56.8	57.7
South Carolina	Greenville	450451003	65.3	67.0	55.0	56.4
South Carolina	Pickens	450770002	69.7	71.0	58.8	59.9
South Carolina	Richland	450790007	70.0	70.0	57.6	57.6
South Carolina	Richland	450790021	60.0	62.0	49.8	51.5
South Carolina	Richland	450791001	71.7	73.0	59.0	60.1
South Carolina	Spartanburg	450830009	73.7	75.0	62.8	63.9
South Carolina	York	450910006	64.0	65.0	52.5	53.3
South Dakota	Brookings	460110003	63.3	65.0	-9.0	-9.0
South Dakota	Custer	460330132	61.7	63.0	59.2	60.4
South Dakota	Jackson	460710001	57.0	59.0	54.1	56.0
South Dakota	Meade	460930001	58.5	60.0	53.3	54.7
South Dakota	Minnehaha	460990008	66.0	68.0	60.0	61.8
South Dakota	Union	461270003	62.5	64.0	56.9	58.3
Tennessee	Anderson	470010101	70.7	73.0	61.3	63.3
Tennessee	Blount	470090101	76.7	79.0	66.3	68.3
Tennessee	Blount	470090102	66.3	68.0	57.0	58.4
Tennessee	Claiborne	470259991	62.0	62.0	53.4	53.4
Tennessee	Davidson	470370011	65.7	69.0	56.6	59.4
Tennessee	Davidson	470370026	70.3	74.0	59.7	62.9
Tennessee	Hamilton	470651011	72.3	75.0	62.0	64.3
Tennessee	Hamilton	470654003	73.3	76.0	62.7	65.0
Tennessee	Jefferson	470890002	74.7	78.0	64.3	67.1
Tennessee	Knox	470930021	69.0	71.0	59.4	61.1
Tennessee	Knox	470931020	71.7	74.0	61.7	63.6
Tennessee	Loudon	471050109	72.3	75.0	63.6	65.9
Tennessee	Meigs	471210104	71.3	74.0	61.3	63.7
Tennessee	Rutherford	471490101	68.5	70.0	57.4	58.6
Tennessee	Sevier	471550101	74.3	76.0	64.2	65.6
Tennessee	Shelby	471570021	76.7	79.0	68.0	70.0
Tennessee	Shelby	471570075	78.0	78.0	69.0	69.0
Tennessee	Shelby	471571004	75.0	78.0	65.7	68.4
Tennessee	Sullivan	471632002	71.7	74.0	64.9	67.0
Tennessee	Sullivan	471632003	70.3	72.0	63.9	65.5
Tennessee	Sumner	471650007	76.7	79.0	65.1	67.0

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Tennessee	Sumner	471650101	73.0	75.0	60.6	62.3
Tennessee	Williamson	471870106	70.3	73.0	59.1	61.4
Tennessee	Wilson	471890103	71.7	74.0	60.0	61.9
Texas	Bell	480271047	74.5	75.0	68.3	68.7
Texas	Bexar	480290032	76.7	78.0	71.8	73.0
Texas	Bexar	480290052	78.7	81.0	73.1	75.3
Texas	Bexar	480290059	68.3	70.0	63.8	65.4
Texas	Brazoria	480391004	88.0	89.0	80.5	81.4
Texas	Brazoria	480391016	71.7	73.0	66.9	68.2
Texas	Brewster	480430101	70.0	71.0	69.4	70.4
Texas	Cameron	480610006	62.7	64.0	59.5	60.7
Texas	Collin	480850005	82.7	84.0	75.0	76.2
Texas	Dallas	481130069	79.7	84.0	73.7	77.7
Texas	Dallas	481130075	82.0	83.0	75.2	76.1
Texas	Dallas	481130087	80.0	81.0	73.5	74.4
Texas	Denton	481210034	84.3	87.0	77.0	79.5
Texas	Denton	481211032	82.7	84.0	75.1	76.3
Texas	Ellis	481390016	75.7	77.0	69.7	70.9
Texas	Ellis	481391044	70.0	72.0	65.0	66.8
Texas	El Paso	481410029	65.0	65.0	62.8	62.8
Texas	El Paso	481410037	71.0	72.0	69.0	69.9
Texas	El Paso	481410044	69.0	70.0	67.0	68.0
Texas	El Paso	481410055	66.3	68.0	64.4	66.0
Texas	El Paso	481410057	66.0	66.0	64.3	64.3
Texas	El Paso	481410058	69.3	71.0	67.6	69.3
Texas	Galveston	481671034	77.3	80.0	72.7	75.2
Texas	Gregg	481830001	77.7	79.0	74.0	75.2
Texas	Harris	482010024	80.3	83.0	76.4	79.0
Texas	Harris	482010026	77.3	80.0	73.0	75.5
Texas	Harris	482010029	83.0	84.0	75.4	76.3
Texas	Harris	482010046	75.7	77.0	72.1	73.3
Texas	Harris	482010047	78.3	79.0	72.7	73.4
Texas	Harris	482010051	80.3	81.0	74.1	74.7
Texas	Harris	482010055	81.3	83.0	75.0	76.6
Texas	Harris	482010062	76.7	78.0	72.0	73.3
Texas	Harris	482010066	77.0	79.0	71.8	73.7
Texas	Harris	482010070	77.0	77.0	72.7	72.7
Texas	Harris	482010075	77.3	78.0	73.0	73.6
Texas	Harris	482010416	78.7	80.0	73.0	74.2

State	County	Site ID	2009 - 2013 Avg DVs	2009 - 2013 Max DVs	2018 Avg DVs	2018 Max DVs
Texas	Harris	482011015	74.3	77.0	70.1	72.7
Texas	Harris	482011034	81.0	82.0	76.6	77.6
Texas	Harris	482011035	78.3	80.0	74.1	75.7
Texas	Harris	482011039	82.0	84.0	77.7	79.6
Texas	Harris	482011050	78.3	80.0	73.7	75.3
Texas	Harrison	482030002	72.7	74.0	68.7	70.0
Texas	Hidalgo	482150043	61.0	62.0	58.0	58.9
Texas	Hidalgo	482151048	59.5	60.0	56.8	57.3
Texas	Hood	482210001	76.7	77.0	70.2	70.5
Texas	Hunt	482311006	71.7	74.0	65.0	67.1
Texas	Jefferson	482450009	73.3	75.0	68.8	70.4
Texas	Jefferson	482450011	76.0	76.0	71.7	71.7
Texas	Jefferson	482450022	71.3	72.0	65.9	66.5
Texas	Jefferson	482450101	78.0	80.0	73.2	75.1
Texas	Jefferson	482450102	69.7	71.0	65.6	66.8
Texas	Jefferson	482450628	70.7	73.0	66.7	68.8
Texas	Jefferson	482451035	71.0	72.0	66.8	67.8
Texas	Johnson	482510003	79.0	79.0	72.6	72.6
Texas	Kaufman	482570005	70.7	74.0	65.5	68.6
Texas	McLennan	483091037	72.7	74.0	67.9	69.1
Texas	Montgomery	483390078	77.3	79.0	70.3	71.9
Texas	Navarro	483491051	71.0	72.0	66.9	67.8
Texas	Nueces	483550025	71.0	72.0	67.9	68.8
Texas	Nueces	483550026	70.7	72.0	67.3	68.6
Texas	Orange	483611001	72.7	75.0	68.2	70.4
Texas	Orange	483611100	68.7	69.0	64.9	65.2
Texas	Parker	483670081	78.7	79.0	72.8	73.1
Texas	Rockwall	483970001	77.0	77.0	70.0	70.0
Texas	Smith	484230007	75.0	75.0	69.3	69.3
Texas	Tarrant	484390075	82.0	83.0	75.5	76.4
Texas	Tarrant	484391002	81.0	82.0	74.1	75.0
Texas	Tarrant	484392003	87.3	90.0	79.7	82.2
Texas	Tarrant	484393009	86.0	86.0	78.3	78.3
Texas	Tarrant	484393011	80.7	83.0	74.2	76.3
Texas	Travis	484530014	73.7	75.0	67.7	68.9
Texas	Travis	484530020	72.0	73.0	65.2	66.1
Texas	Victoria	484690003	68.7	70.0	65.2	66.5
Utah	Box Elder	490030003	67.7	69.0	62.8	64.0
Utah	Cache	490050004	64.3	67.0	60.3	62.8

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Utah	Carbon	490071003	69.0	69.0	66.2	66.2
Utah	Davis	490110004	69.3	71.0	64.4	66.0
Utah	Duchesne	490131001	68.0	68.0	65.1	65.1
Utah	Salt Lake	490352004	74.0	76.0	68.8	70.6
Utah	Salt Lake	490353006	76.0	76.0	70.0	70.0
Utah	San Juan	490370101	68.7	69.0	65.7	66.0
Utah	Tooele	490450003	72.0	73.0	67.5	68.4
Utah	Utah	490490002	70.0	73.0	66.4	69.3
Utah	Utah	490495010	69.3	70.0	65.9	66.6
Utah	Washington	490530006	67.0	67.0	63.6	63.6
Utah	Washington	490530130	71.7	73.0	68.1	69.3
Utah	Weber	490570002	71.7	72.0	67.4	67.7
Utah	Weber	490571003	72.7	74.0	67.4	68.6
Vermont	Bennington	500030004	63.7	65.0	56.2	57.4
Vermont	Chittenden	500070007	61.0	62.0	55.0	55.9
Virginia	Albemarle	510030001	66.7	68.0	57.9	59.0
Virginia	Arlington	510130020	81.7	86.0	70.5	74.3
Virginia	Caroline	510330001	71.7	74.0	61.7	63.7
Virginia	Charles	510360002	75.7	79.0	65.7	68.6
Virginia	Chesterfield	510410004	72.0	75.0	62.8	65.4
Virginia	Fairfax	510590030	82.3	86.0	70.4	73.6
Virginia	Fauquier	510610002	62.7	64.0	54.4	55.5
Virginia	Frederick	510690010	66.7	69.0	57.9	59.9
Virginia	Giles	510719991	63.0	63.0	52.4	52.4
Virginia	Hanover	510850003	73.7	76.0	62.8	64.7
Virginia	Henrico	510870014	75.0	78.0	65.1	67.7
Virginia	Loudoun	511071005	73.0	75.0	64.1	65.9
Virginia	Madison	511130003	70.7	72.0	62.4	63.5
Virginia	Page	511390004	66.3	68.0	58.6	60.1
Virginia	Prince Edward	511479991	62.0	62.0	55.6	55.6
Virginia	Prince William	511530009	70.0	72.0	61.9	63.7
Virginia	Roanoke	511611004	67.3	70.0	58.0	60.3
Virginia	Rockbridge	511630003	62.3	64.0	54.8	56.3
Virginia	Rockingham	511650003	66.0	68.0	58.1	59.9
Virginia	Stafford	511790001	73.0	76.0	62.0	64.5
Virginia	Wythe	511970002	64.3	66.0	57.9	59.4
Virginia	Alexandria City	515100009	80.0	83.0	69.0	71.6
Virginia	Hampton City	516500008	74.0	76.0	64.2	65.9
Virginia	Suffolk City	518000004	71.3	73.0	64.1	65.7



State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Virginia	Suffolk City	518000005	69.7	71.0	60.4	61.5
Washington	Clallam	530090013	55.0	55.0	-9.0	-9.0
Washington	Clark	530110011	56.0	57.0	53.6	54.6
Washington	King	530330010	55.0	57.0	53.2	55.2
Washington	King	530330017	57.0	59.0	53.9	55.8
Washington	King	530330023	65.0	67.0	60.2	62.0
Washington	King	530330080	44.0	45.0	-9.0	-9.0
Washington	Pierce	530530012	56.0	58.0	-9.0	-9.0
Washington	Pierce	530531010	53.3	54.0	49.0	49.6
Washington	Skagit	530570020	50.5	57.0	-9.0	-9.0
Washington	Spokane	530630001	58.7	60.0	53.9	55.1
Washington	Spokane	530630021	59.0	60.0	54.8	55.7
Washington	Spokane	530630046	58.7	60.0	54.0	55.2
Washington	Thurston	530670005	55.7	56.0	52.5	52.7
Washington	Whatcom	530730005	45.0	46.0	-9.0	-9.0
West Virginia	Berkeley	540030003	68.0	70.0	59.5	61.2
West Virginia	Cabell	540110006	69.3	72.0	62.2	64.6
West Virginia	Gilmer	540219991	60.0	60.0	55.1	55.1
West Virginia	Greenbrier	540250003	64.7	66.0	57.5	58.6
West Virginia	Hancock	540291004	73.0	75.0	66.5	68.3
West Virginia	Kanawha	540390010	72.3	74.0	66.2	67.8
West Virginia	Monongalia	540610003	69.7	72.0	64.0	66.1
West Virginia	Ohio	540690010	72.3	74.0	63.7	65.2
West Virginia	Wood	541071002	68.3	71.0	59.6	61.9
Wisconsin	Ashland	550030010	58.3	59.0	-9.0	-9.0
Wisconsin	Brown	550090026	68.3	70.0	61.8	63.3
Wisconsin	Columbia	550210015	67.0	69.0	59.5	61.3
Wisconsin	Dane	550250041	66.3	69.0	58.9	61.3
Wisconsin	Dodge	550270001	71.5	72.0	65.2	65.6
Wisconsin	Door	550290004	75.7	78.0	67.7	69.7
Wisconsin	Eau Claire	550350014	62.0	62.0	54.4	54.4
Wisconsin	Fond du Lac	550390006	70.0	72.0	64.0	65.9
Wisconsin	Forest	550410007	64.7	67.0	58.2	60.3
Wisconsin	Jefferson	550550002	68.5	70.0	61.4	62.8
Wisconsin	Kenosha	550590019	81.0	84.0	65.4	67.8
Wisconsin	Kewaunee	550610002	75.0	78.0	67.5	70.2
Wisconsin	La Crosse	550630012	63.3	65.0	57.2	58.8
Wisconsin	Manitowoc	550710007	78.7	80.0	70.2	71.3
Wisconsin	Marathon	550730012	63.3	65.0	57.0	58.5

State	County	Site ID	2009 - 2013 Avg DV's	2009 - 2013 Max DV's	2018 Avg DV's	2018 Max DV's
Wisconsin	Milwaukee	550790010	69.7	72.0	60.2	62.2
Wisconsin	Milwaukee	550790026	74.7	78.0	64.9	67.8
Wisconsin	Milwaukee	550790085	80.0	82.0	70.9	72.7
Wisconsin	Outagamie	550870009	69.3	72.0	62.8	65.3
Wisconsin	Ozaukee	550890008	76.3	80.0	70.2	73.6
Wisconsin	Ozaukee	550890009	74.7	77.0	66.7	68.8
Wisconsin	Racine	551010017	77.7	81.0	63.4	66.1
Wisconsin	Rock	551050024	69.5	72.0	62.1	64.4
Wisconsin	Sauk	551110007	65.0	67.0	57.1	58.9
Wisconsin	Sheboygan	551170006	84.3	87.0	75.4	77.8
Wisconsin	Taylor	551199991	63.0	63.0	55.9	55.9
Wisconsin	Vilas	551250001	62.0	63.0	-9.0	-9.0
Wisconsin	Walworth	551270005	69.3	71.0	62.6	64.2
Wisconsin	Waukesha	551330027	66.7	69.0	61.0	63.1
Wyoming	Campbell	560050123	63.7	65.0	61.6	62.9
Wyoming	Campbell	560050456	63.0	64.0	61.1	62.1
Wyoming	Carbon	560070100	63.0	64.0	61.0	62.0
Wyoming	Fremont	560130232	65.0	66.0	63.1	64.0
Wyoming	Laramie	560210100	68.0	68.0	63.8	63.8
Wyoming	Sublette	560350700	64.0	64.0	61.8	61.8
Wyoming	Sweetwater	560370200	63.7	64.0	61.3	61.6
Wyoming	Sweetwater	560370300	66.0	66.0	63.2	63.2
Wyoming	Teton	560391011	65.3	66.0	-9.0	-9.0
Wyoming	Uinta	560410101	64.3	65.0	60.6	61.3

## Appendix C

### Contributions to 2018 8-Hour Ozone Design Values

This appendix contains tables with the projected contributions from 2018 anthropogenic NO<sub>x</sub> and VOC emissions in each state to each monitoring site for which we have projected a 2018 8-hour ozone design value. In addition, we have included the contributions from the other categories tracked in the contribution modeling including biogenics (“BIOG”), point source emissions on tribal lands (“TRIBAL”), boundary concentrations (“BNDRY”) and emissions from offshore sources, Canada, Mexico, and wild and prescribed fires combined (“OTHER”). The contribution tables are presented for the following groupings of monitoring sites:

- Contributions to 2018 nonattainment receptors in the East
- Contributions to 2018 maintenance receptors in the East
- Contributions to 2018 nonattainment receptors in the West (all in California)
- Contributions to 2018 maintenance receptors in the West
- Contributions to sites with 2018 average and maximum design values below the level of the NAAQS (i.e., sites that are projected to be “clean” in 2018)

For each monitoring site we provide the site ID, state name, and county name in the first three columns of the table. This information is followed by columns containing the projected 2018 average and maximum design values. Next we provide the contributions from each state and the District of Columbia, individually. Lastly, we provide the contributions from the TRIBAL, OTHER, BIOG, and BNDRY categories. Because the data are voluminous, we have divided the contribution data into 3 segments for each of the site groups identified above. The first segment contains the contributions from the states Alabama through Maine. The second segment contains the contributions from the states Maryland through Oregon and the last segment contains the contributions from Pennsylvania through Wyoming followed by TRIBAL, OTHER, BIOG, BNDRY. The units of the 2018 design values and contributions are “ppb”. Note that to facilitate reading of the data we have used a “-” to denote contributions of 0.00 ppb. Also, the contributions presented in these tables may not sum exactly to the 2018 average design value due to truncation of the contributions to two places to the right of the decimal.

## Contributions to 2018 Nonattainment Sites in the East

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
90013007	Connecticut	Fairfield	76.70	81.00	0.16	0.04	0.17	0.04	0.12	4.72	0.38	0.06	0.02	0.22	0.01	0.49	0.72	0.10	0.21	0.45	0.06	-
90019003	Connecticut	Fairfield	77.50	80.60	0.28	0.04	0.20	0.04	0.10	3.53	0.63	0.08	0.06	0.32	0.01	0.47	0.75	0.08	0.16	0.56	0.15	0.01
240251001	Maryland	Harford	79.40	82.10	0.54	0.08	0.23	0.10	0.17	0.01	0.16	0.69	0.12	0.41	0.03	0.71	1.93	0.22	0.33	1.94	0.23	-
361030002	New York	Suffolk	78.20	79.80	0.22	0.06	0.19	0.08	0.16	0.41	0.38	0.04	0.06	0.21	0.05	0.79	1.01	0.30	0.37	0.69	0.14	-
480391004	Texas	Brazoria	80.50	81.40	0.61	0.07	1.00	0.23	0.25	-	-	-	0.19	0.31	0.09	0.87	0.23	0.43	0.59	0.13	3.24	-
481210034	Texas	Denton	77.00	79.50	1.06	0.07	0.95	0.13	0.27	-	-	-	0.46	0.71	0.06	0.39	0.30	0.11	0.45	0.18	3.13	-
482010024	Texas	Harris	76.40	79.00	0.59	0.04	0.40	0.12	0.12	-	-	-	0.87	0.66	0.05	0.28	0.07	0.13	0.16	0.12	2.23	-
482011034	Texas	Harris	76.60	77.60	0.02	0.02	1.06	0.11	0.19	-	-	-	-	0.01	0.06	0.81	0.12	0.62	0.70	0.02	3.38	-
482011039	Texas	Harris	77.70	79.60	0.52	0.02	1.25	0.05	0.14	-	-	-	0.18	0.26	0.01	0.72	0.15	0.35	0.42	0.06	2.93	-
484392003	Texas	Tarrant	79.70	82.20	0.82	0.08	0.96	0.14	0.35	-	-	-	0.34	0.49	0.07	0.38	0.30	0.11	0.48	0.19	2.94	-
484393009	Texas	Tarrant	78.30	78.30	0.16	0.06	1.18	0.14	0.29	-	-	-	0.24	0.12	0.07	0.39	0.23	0.09	0.51	0.09	2.29	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
90013007	Connecticut	Fairfield	76.70	81.00	2.11	0.05	0.93	0.11	0.08	0.35	0.03	0.09	0.01	0.01	6.71	0.08	15.57	0.57	0.04	1.92	0.26	-
90019003	Connecticut	Fairfield	77.50	80.60	2.59	0.21	0.59	0.10	0.14	0.34	0.02	0.06	0.01	0.03	8.17	0.10	16.05	0.43	0.04	1.49	0.23	-
240251001	Maryland	Harford	79.40	82.10	22.94	-	0.85	0.12	0.15	0.68	0.07	0.18	0.02	-	0.46	0.16	0.59	0.50	0.08	4.06	0.43	0.02
361030002	New York	Suffolk	78.20	79.80	1.49	0.01	1.48	0.18	0.11	0.69	0.07	0.22	0.02	-	9.21	0.09	15.05	0.41	0.13	2.52	0.54	0.01
480391004	Texas	Brazoria	80.50	81.40	0.01	-	0.05	0.40	0.81	1.19	0.14	0.25	0.07	-	-	0.10	-	0.09	0.05	0.04	0.76	0.04
481210034	Texas	Denton	77.00	79.50	0.01	-	0.13	0.07	0.66	0.42	0.09	0.18	0.04	-	-	0.12	0.01	0.17	0.02	0.12	1.11	0.03
482010024	Texas	Harris	76.40	79.00	0.01	-	0.02	0.05	0.40	0.64	0.08	0.07	0.04	-	-	0.07	-	0.34	0.02	0.06	0.12	0.02
482011034	Texas	Harris	76.60	77.60	-	-	0.25	0.43	0.35	1.53	0.14	0.36	0.04	-	-	0.03	-	-	0.07	0.01	1.50	0.02
482011039	Texas	Harris	77.70	79.60	0.01	-	0.36	0.25	0.83	1.06	0.06	0.21	0.01	-	-	0.05	0.01	0.07	0.03	0.04	0.98	-
484392003	Texas	Tarrant	79.70	82.20	-	-	0.13	0.07	0.56	0.42	0.09	0.19	0.05	-	-	0.13	-	0.09	0.02	0.12	1.22	0.03
484393009	Texas	Tarrant	78.30	78.30	-	-	0.05	0.06	0.17	0.46	0.09	0.17	0.05	-	-	0.09	-	0.05	0.02	0.05	1.25	0.03

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
90013007	Connecticut	Fairfield	76.70	81.00	9.85	0.01	0.16	0.03	0.31	0.44	0.05	-	1.91	0.01	0.97	0.16	0.12	0.01	3.91	3.88	17.74
90019003	Connecticut	Fairfield	77.50	80.60	9.29	0.04	0.15	0.02	0.40	0.53	0.03	0.02	2.17	0.01	0.88	0.15	0.07	0.01	5.25	3.96	16.17
240251001	Maryland	Harford	79.40	82.10	6.92	-	0.12	0.07	0.69	0.92	0.08	-	4.42	0.03	2.79	0.21	0.22	0.03	1.66	5.61	16.17
361030002	New York	Suffolk	78.20	79.80	9.79	-	0.08	0.09	0.34	0.79	0.10	-	1.72	0.02	0.99	0.25	0.28	0.02	4.12	4.85	17.11
480391004	Texas	Brazoria	80.50	81.40	0.03	-	0.07	0.08	0.37	36.51	0.13	-	0.04	0.05	0.03	0.32	0.31	0.02	3.02	7.54	19.50
481210034	Texas	Denton	77.00	79.50	0.06	-	0.16	0.03	0.23	29.08	0.13	-	0.08	0.03	0.06	0.08	0.29	0.02	3.04	7.02	25.02
482010024	Texas	Harris	76.40	79.00	0.04	-	0.36	0.02	0.30	29.88	0.08	-	0.11	0.02	0.08	0.02	0.16	0.02	6.11	3.39	27.79
482011034	Texas	Harris	76.60	77.60	-	-	-	0.08	0.10	29.86	0.08	-	-	0.03	-	0.34	0.27	0.01	4.91	5.66	23.22
482011039	Texas	Harris	77.70	79.60	0.03	-	0.06	0.04	0.33	32.28	0.03	-	0.04	0.01	0.02	0.30	0.14	-	6.15	5.64	21.34
484392003	Texas	Tarrant	79.70	82.20	0.03	-	0.09	0.03	0.20	32.49	0.18	-	0.03	0.03	0.04	0.09	0.37	0.03	3.48	7.69	23.92
484393009	Texas	Tarrant	78.30	78.30	0.02	-	0.06	0.03	0.09	37.11	0.15	-	0.02	0.02	0.02	0.06	0.32	0.02	2.81	7.67	21.27

## Contributions to 2018 Maintenance Sites in the East (Part 1)

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
90010017	Connecticut	Fairfield	74.10	76.60	0.23	0.04	0.18	0.05	0.12	3.74	0.38	0.06	0.05	0.25	0.02	0.79	1.03	0.16	0.23	0.64	0.10	-
90099002	Connecticut	New Haven	75.80	78.80	0.12	0.04	0.12	0.05	0.12	6.97	0.45	0.05	0.04	0.12	0.02	0.65	0.80	0.14	0.20	0.54	0.08	-
211110067	Kentucky	Jefferson	73.70	76.40	0.04	0.03	0.06	0.06	0.12	-	-	-	0.03	0.04	0.05	1.09	11.41	0.23	0.25	21.75	0.09	-
260050003	Michigan	Allegan	74.50	77.50	0.35	0.07	2.19	0.06	0.21	-	-	-	0.12	0.21	0.01	22.29	8.17	0.89	1.15	0.45	0.62	-
291831002	Missouri	Saint Charles	74.10	77.40	0.86	0.05	1.53	0.15	0.30	-	-	-	0.29	0.73	0.04	7.07	0.75	0.41	0.40	0.34	0.77	-
340071001	New Jersey	Camden	72.30	76.00	0.33	0.09	0.39	0.10	0.19	0.01	1.84	0.01	0.07	0.18	0.04	1.33	1.65	0.41	0.52	0.86	0.59	-
340150002	New Jersey	Gloucester	74.00	76.30	0.38	0.08	0.16	0.11	0.16	0.08	2.46	0.29	0.13	0.37	0.03	0.85	1.00	0.27	0.21	1.21	0.26	-
360850067	New York	Richmond	74.60	76.20	0.50	0.06	0.14	0.05	0.11	0.07	1.13	0.11	0.12	0.57	0.01	0.45	0.90	0.10	0.19	1.20	0.15	-
421010024	Pennsylvania	Philadelphia	74.70	78.00	0.69	0.08	0.29	0.10	0.18	0.03	1.35	0.16	0.16	0.69	0.02	0.77	2.01	0.20	0.31	2.40	0.22	-
480850005	Texas	Collin	75.00	76.20	0.34	0.05	1.05	0.11	0.21	-	-	-	0.60	0.24	0.03	0.34	0.20	0.04	0.30	0.10	1.90	-
481130069	Texas	Dallas	73.70	77.70	0.34	0.06	1.07	0.13	0.19	-	-	-	0.62	0.24	0.06	0.16	0.07	0.09	0.44	0.07	1.54	-
481130075	Texas	Dallas	75.20	76.10	0.33	0.06	1.13	0.13	0.19	-	-	-	0.62	0.24	0.06	0.18	0.07	0.09	0.45	0.07	1.55	-
481211032	Texas	Denton	75.10	76.30	0.32	0.06	1.40	0.12	0.21	-	-	-	0.29	0.23	0.06	0.36	0.22	0.10	0.50	0.10	3.05	-
482010029	Texas	Harris	75.40	76.30	0.76	0.05	0.35	0.18	0.15	-	-	-	1.05	0.56	0.08	0.51	0.23	0.23	0.36	0.13	4.31	-
482010055	Texas	Harris	75.00	76.60	1.39	0.06	0.82	0.22	0.19	-	-	-	0.66	0.61	0.08	0.62	0.21	0.19	0.40	0.14	4.37	-
484390075	Texas	Tarrant	75.50	76.40	0.69	0.07	0.93	0.13	0.33	-	-	-	0.18	0.37	0.07	0.37	0.26	0.28	1.02	0.18	2.33	-
484393011	Texas	Tarrant	74.20	76.30	0.10	0.06	1.87	0.12	0.29	-	-	-	0.03	0.05	0.07	0.64	0.28	0.31	0.98	0.12	2.55	-
551170006	Wisconsin	Sheboygan	75.40	77.80	0.28	0.06	0.54	0.11	0.14	-	-	-	0.14	0.14	0.04	15.86	7.91	0.59	0.87	0.52	1.11	-
Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
90010017	Connecticut	Fairfield	74.10	76.60	2.01	0.03	0.64	0.13	0.12	0.52	0.04	0.11	0.01	-	7.63	0.08	15.48	0.35	0.05	1.92	0.36	-
90099002	Connecticut	New Haven	75.80	78.80	1.74	0.12	0.64	0.11	0.06	0.42	0.03	0.10	0.01	0.02	5.58	0.06	16.14	0.46	0.04	1.85	0.32	-
211110067	Kentucky	Jefferson	73.70	76.40	-	-	1.22	0.34	0.03	0.32	0.17	0.16	0.02	-	-	0.07	-	0.01	0.19	3.93	0.34	0.02
260050003	Michigan	Allegan	74.50	77.50	0.01	-	3.08	0.06	0.43	4.12	0.01	0.17	0.01	-	-	0.20	-	0.06	0.01	0.09	1.70	-
291831002	Missouri	Saint Charles	74.10	77.40	-	-	0.16	0.14	0.29	29.87	0.15	0.15	0.04	-	-	0.15	0.01	0.11	0.08	0.19	0.89	0.02
340071001	New Jersey	Camden	72.30	76.00	0.65	-	1.58	0.15	0.24	0.95	0.07	0.25	0.02	-	7.47	0.20	1.53	0.08	0.09	4.41	0.74	0.02
340150002	New Jersey	Gloucester	74.00	76.30	6.96	0.04	1.03	0.14	0.12	0.56	0.06	0.11	0.02	0.01	3.80	0.18	1.34	0.33	0.06	3.71	0.35	0.01
360850067	New York	Richmond	74.60	76.20	3.58	0.04	0.52	0.08	0.15	0.31	0.03	0.07	0.01	-	9.95	0.13	2.48	0.55	0.03	2.09	0.24	-
421010024	Pennsylvania	Philadelphia	74.70	78.00	5.14	0.02	0.40	0.08	0.19	0.73	0.04	0.13	0.02	-	1.37	0.18	0.21	0.50	0.03	3.83	0.44	0.01
480850005	Texas	Collin	75.00	76.20	0.02	-	0.01	0.03	0.18	0.40	0.04	0.08	0.03	-	-	0.10	0.01	0.15	0.01	0.05	0.90	0.02
481130069	Texas	Dallas	73.70	77.70	0.02	-	0.04	0.06	0.19	0.29	0.09	0.15	0.04	-	-	0.09	0.01	0.16	0.01	0.05	1.06	0.02
481130075	Texas	Dallas	75.20	76.10	0.02	-	0.05	0.07	0.18	0.30	0.09	0.15	0.04	-	-	0.09	0.01	0.16	0.01	0.05	1.06	0.02
481211032	Texas	Denton	75.10	76.30	0.02	-	0.07	0.07	0.48	0.44	0.08	0.18	0.04	-	-	0.08	0.01	0.12	0.02	0.08	1.21	0.02
482010029	Texas	Harris	75.40	76.30	0.04	-	0.10	0.10	0.78	0.70	0.13	0.16	0.06	-	0.01	0.07	0.02	0.36	0.03	0.09	0.29	0.03
482010055	Texas	Harris	75.00	76.60	0.02	-	0.02	0.08	1.52	0.95	0.13	0.14	0.07	-	-	0.10	-	0.17	0.03	0.06	0.20	0.04
484390075	Texas	Tarrant	75.50	76.40	-	-	0.23	0.15	0.48	0.50	0.12	0.41	0.04	-	-	0.14	0.02	0.05	0.04	0.15	2.59	0.03
484393011	Texas	Tarrant	74.20	76.30	0.01	-	0.19	0.18	0.12	0.80	0.13	0.40	0.04	-	-	0.13	0.02	0.03	0.04	0.10	2.55	0.03
551170006	Wisconsin	Sheboygan	75.40	77.80	0.01	-	3.63	0.33	0.54	1.80	0.06	0.08	0.02	-	-	0.17	0.01	0.07	0.11	0.24	1.64	0.04

## Contributions to 2018 Maintenance Sites in the East (Part 2)

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
90010017	Connecticut	Fairfield	74.10	76.60	9.28	-	0.12	0.03	0.33	0.59	0.06	-	1.87	0.01	0.87	0.22	0.16	0.02	3.20	4.10	15.38
90099002	Connecticut	New Haven	75.80	78.80	8.69	0.03	0.07	0.03	0.22	0.51	0.06	0.01	1.38	0.01	0.82	0.19	0.18	0.02	5.26	3.93	15.94
211110067	Kentucky	Jefferson	73.70	76.40	0.42	-	0.01	0.12	0.08	0.60	0.05	-	-	0.07	0.50	0.52	0.27	0.01	0.88	6.37	21.51
260050003	Michigan	Allegan	74.50	77.50	0.02	-	0.04	0.02	0.64	2.74	0.06	-	0.03	-	0.03	2.49	0.12	0.02	1.32	8.59	11.42
291831002	Missouri	Saint Charles	74.10	77.40	0.02	-	0.12	0.06	0.76	2.38	0.16	-	0.03	0.04	0.04	0.13	0.28	0.04	1.78	6.41	15.67
340071001	New Jersey	Camden	72.30	76.00	18.76	-	0.05	0.10	0.18	1.45	0.09	-	0.36	0.03	1.17	0.45	0.25	0.03	2.65	5.90	13.54
340150002	New Jersey	Gloucester	74.00	76.30	16.20	-	0.06	0.04	0.37	0.96	0.08	0.02	2.95	0.02	2.22	0.41	0.20	0.02	2.14	5.30	15.86
360850067	New York	Richmond	74.60	76.20	16.19	-	0.17	0.02	0.67	0.60	0.03	-	3.27	0.01	2.03	0.14	0.08	0.01	3.12	4.75	17.14
421010024	Pennsylvania	Philadelphia	74.70	78.00	20.00	-	0.18	0.04	0.99	1.00	0.08	-	2.38	0.01	2.88	0.16	0.18	0.03	1.78	5.53	16.22
480850005	Texas	Collin	75.00	76.20	0.04	-	0.10	0.01	0.11	35.23	0.08	-	0.07	0.02	0.05	0.03	0.21	0.01	3.13	7.17	21.00
481130069	Texas	Dallas	73.70	77.70	0.06	-	0.11	0.03	0.11	31.95	0.11	-	0.08	0.02	0.06	0.03	0.23	0.02	3.30	7.52	22.46
481130075	Texas	Dallas	75.20	76.10	0.06	-	0.11	0.03	0.11	33.61	0.11	-	0.08	0.02	0.06	0.03	0.23	0.01	3.27	7.35	22.41
481211032	Texas	Denton	75.10	76.30	0.07	-	0.11	0.03	0.18	32.36	0.11	-	0.07	0.02	0.05	0.06	0.25	0.02	2.41	7.65	21.55
482010029	Texas	Harris	75.40	76.30	0.11	-	0.35	0.04	0.30	24.05	0.12	-	0.16	0.03	0.09	0.10	0.27	0.02	7.19	4.61	25.75
482010055	Texas	Harris	75.00	76.60	0.03	-	0.15	0.04	0.42	32.61	0.12	-	0.07	0.04	0.05	0.08	0.29	0.02	3.53	5.41	18.42
484390075	Texas	Tarrant	75.50	76.40	0.07	-	0.04	0.07	0.20	28.33	0.15	-	0.04	0.04	0.05	0.14	0.37	0.02	3.75	7.22	22.64
484393011	Texas	Tarrant	74.20	76.30	0.08	-	0.02	0.08	0.11	28.86	0.13	-	0.03	0.04	0.05	0.19	0.33	0.02	2.65	7.59	21.55
551170006	Wisconsin	Sheboygan	75.40	77.80	0.07	-	0.04	0.04	0.47	2.25	0.07	-	0.07	0.04	0.15	10.15	0.14	0.02	1.71	7.65	15.23

## Contributions to 2018 Nonattainment Sites in the West (Part 1)

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
60190007	California	Fresno	88.30	88.50	-	0.03	-	46.01	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-
60190011	California	Fresno	86.80	89.60	-	0.04	-	44.60	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-
60190242	California	Fresno	85.80	88.90	-	0.14	-	41.45	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-
60194001	California	Fresno	83.10	84.30	-	0.03	-	44.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60195001	California	Fresno	89.80	91.70	-	0.07	-	48.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60251003	California	Imperial	77.90	78.80	0.01	1.47	-	20.74	0.15	-	-	-	-	-	0.02	-	-	-	0.03	-	0.04	-
60290007	California	Kern	85.60	89.60	-	0.07	-	44.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60290008	California	Kern	78.30	79.90	-	0.31	-	35.43	0.03	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60290014	California	Kern	81.80	83.00	-	0.05	-	41.74	0.01	-	-	-	-	-	-	-	-	-	-	-	0.02	-
60290232	California	Kern	81.40	83.00	-	0.05	-	41.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60295002	California	Kern	83.90	84.80	-	0.07	-	39.09	0.01	-	-	-	-	-	0.02	-	-	-	-	-	-	-
60296001	California	Kern	78.00	79.60	-	0.05	-	38.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60311004	California	Kings	79.90	82.60	-	0.11	-	41.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60370002	California	Los Angeles	77.90	79.80	-	0.27	-	45.53	0.03	-	-	-	-	-	-	-	-	-	-	-	0.02	-
60370016	California	Los Angeles	91.50	94.40	-	0.32	-	53.48	0.04	-	-	-	-	-	0.01	-	-	-	0.01	-	0.02	-
60371002	California	Los Angeles	76.60	77.60	-	0.13	-	44.61	0.01	-	-	-	-	-	-	-	-	-	-	-	0.01	-
60371201	California	Los Angeles	87.00	87.00	-	0.25	-	47.53	0.03	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60371701	California	Los Angeles	82.40	83.40	-	0.36	-	46.39	0.05	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60372005	California	Los Angeles	78.30	80.80	-	0.29	-	43.88	0.04	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-
60376012	California	Los Angeles	93.30	94.90	-	0.34	-	49.90	0.04	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60379033	California	Los Angeles	84.20	85.10	-	0.47	-	38.45	0.05	-	-	-	-	-	0.01	-	-	-	0.01	-	0.01	-
60392010	California	Madera	79.00	80.00	-	0.12	-	37.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60470003	California	Merced	77.00	78.20	-	0.12	-	38.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60610006	California	Placer	77.00	78.80	-	0.00	-	44.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60650004	California	Riverside	80.40	80.40	-	0.40	-	44.57	0.06	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-
60650012	California	Riverside	91.30	92.90	-	0.24	-	47.64	0.02	-	-	-	-	-	-	-	-	-	-	-	0.02	-
60651016	California	Riverside	93.80	94.10	-	0.28	-	47.01	0.04	-	-	-	-	-	-	-	-	-	0.01	-	0.03	-
60652002	California	Riverside	78.90	79.50	0.01	0.55	-	31.77	0.07	-	-	-	-	-	0.01	-	-	-	0.02	-	0.04	-
60655001	California	Riverside	86.30	86.90	0.01	0.33	0.01	33.72	0.07	-	-	-	-	-	0.01	-	-	-	0.03	-	0.05	-
60656001	California	Riverside	86.30	90.00	-	0.11	-	47.46	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
60658001	California	Riverside	92.10	93.00	-	0.37	-	52.12	0.05	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60658005	California	Riverside	88.00	89.20	-	0.35	-	49.80	0.04	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60659001	California	Riverside	81.00	83.50	-	0.17	-	44.41	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
60670012	California	Sacramento	84.90	86.50	-	0.01	-	48.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60675003	California	Sacramento	78.80	80.40	-	0.00	-	46.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60710005	California	San Bernardino	101.90	103.80	-	0.32	-	53.39	0.03	-	-	-	-	-	-	-	-	-	0.01	-	0.03	-
60710012	California	San Bernardino	89.80	91.70	-	0.68	-	38.05	0.06	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60710306	California	San Bernardino	80.00	81.20	-	0.10	-	39.11	0.01	-	-	-	-	-	-	-	-	-	0.01	-	0.02	-
60711004	California	San Bernardino	94.40	95.70	0.01	0.47	-	51.61	0.06	-	-	-	-	-	0.01	-	-	-	0.01	-	0.03	-
60712002	California	San Bernardino	98.70	100.60	-	0.40	-	55.40	0.04	-	-	-	-	-	-	-	-	-	0.01	-	0.03	-
60714001	California	San Bernardino	90.60	93.20	-	0.31	-	45.28	0.03	-	-	-	-	-	-	-	-	-	0.01	-	0.03	-
60714003	California	San Bernardino	100.60	102.60	-	0.29	-	56.15	0.03	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60719002	California	San Bernardino	86.80	88.40	0.02	0.23	0.01	38.83	0.06	-	-	-	0.01	-	-	-	-	-	0.03	-	0.08	-
60719004	California	San Bernardino	94.60	94.90	-	0.27	-	52.80	0.03	-	-	-	-	-	0.01	-	-	-	-	-	0.02	-
60990006	California	Stanislaus	81.90	82.80	-	0.02	-	47.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61070006	California	Tulare	76.00	79.00	-	0.05	-	16.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61070009	California	Tulare	86.10	87.20	-	0.05	-	34.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61072002	California	Tulare	77.40	80.20	-	0.05	-	42.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61072010	California	Tulare	81.20	82.10	-	0.03	-	41.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61112002	California	Ventura	77.00	78.90	-	0.31	-	40.50	0.04	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-



## Contributions to 2018 Nonattainment Sites in the West (Part 2)

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
60190007	California	Fresno	88.30	88.50	-	-	-	-	-	-	-	-	0.41	-	-	0.01	-	-	-	-	-	0.45
60190011	California	Fresno	86.80	89.60	-	-	-	-	-	-	-	-	0.63	-	-	-	-	-	-	-	-	0.38
60190242	California	Fresno	85.80	88.90	-	-	-	-	-	-	-	-	0.70	-	-	0.01	-	-	-	-	-	0.29
60194001	California	Fresno	83.10	84.30	-	-	-	-	-	-	-	-	0.37	-	-	-	-	-	-	-	-	0.23
60195001	California	Fresno	89.80	91.70	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	-	0.25
60251003	California	Imperial	77.90	78.80	-	-	-	-	0.01	-	0.01	0.01	0.24	-	-	0.26	-	-	-	-	0.07	0.04
60290007	California	Kern	85.60	89.60	-	-	-	-	-	-	-	-	0.38	-	-	-	-	-	-	-	-	0.32
60290008	California	Kern	78.30	79.90	-	-	-	-	-	-	-	-	0.49	-	-	0.04	-	-	-	-	-	0.17
60290014	California	Kern	81.80	83.00	-	-	-	-	-	-	-	-	0.22	-	-	0.02	-	-	-	-	0.01	0.28
60290232	California	Kern	81.40	83.00	-	-	-	-	-	-	-	-	0.33	-	-	-	-	-	-	-	-	0.24
60295002	California	Kern	83.90	84.80	-	-	-	-	-	-	-	-	0.37	-	-	-	-	-	-	-	-	0.15
60296001	California	Kern	78.00	79.60	-	-	-	-	-	-	-	-	0.32	-	-	-	-	-	-	-	-	0.23
60311004	California	Kings	79.90	82.60	-	-	-	-	-	-	-	-	0.27	-	-	-	-	-	-	-	-	0.39
60370002	California	Los Angeles	77.90	79.80	-	-	-	-	-	-	-	-	0.08	-	-	0.06	-	-	-	-	0.02	0.15
60370016	California	Los Angeles	91.50	94.40	-	-	-	-	-	-	-	-	0.10	-	-	0.07	-	-	-	-	0.02	0.18
60371002	California	Los Angeles	76.60	77.60	-	-	-	-	-	-	-	-	0.08	-	-	0.03	-	-	-	-	0.01	0.17
60371201	California	Los Angeles	87.00	87.00	-	-	-	-	-	-	-	-	0.16	-	-	0.05	-	-	-	-	0.02	0.19
60371701	California	Los Angeles	82.40	83.40	-	-	-	-	-	-	-	-	0.12	-	-	0.06	-	-	-	-	0.02	0.15
60372005	California	Los Angeles	78.30	80.80	-	-	-	-	-	-	-	-	0.12	-	-	0.06	-	-	-	-	0.02	0.08
60376012	California	Los Angeles	93.30	94.90	-	-	-	-	-	-	-	-	0.20	-	-	0.05	-	-	-	-	0.02	0.14
60379033	California	Los Angeles	84.20	85.10	-	-	-	-	-	-	-	-	0.18	-	-	0.07	-	-	-	-	0.02	0.14
60392010	California	Madera	79.00	80.00	-	-	-	-	-	-	-	-	0.63	-	-	-	-	-	-	-	-	0.31
60470003	California	Merced	77.00	78.20	-	-	-	-	-	-	-	-	0.41	-	-	-	-	-	-	-	-	0.26
60610006	California	Placer	77.00	78.80	-	-	-	-	-	-	-	-	0.29	-	-	-	-	-	-	-	-	0.69
60650004	California	Riverside	80.40	80.40	-	-	-	-	-	-	-	-	0.19	-	-	0.06	-	-	-	-	0.01	0.14
60650012	California	Riverside	91.30	92.90	-	-	-	-	-	-	-	-	0.18	-	-	0.04	-	-	-	-	0.02	0.13
60651016	California	Riverside	93.80	94.10	-	-	-	-	0.01	-	-	-	0.29	-	-	0.06	-	-	-	-	0.04	0.15
60652002	California	Riverside	78.90	79.50	-	-	-	-	0.01	-	-	-	0.39	-	-	0.10	-	-	-	-	0.05	0.07
60655001	California	Riverside	86.30	86.90	-	-	-	-	0.01	-	-	0.01	0.26	-	-	0.09	-	-	-	-	0.08	0.09
60656001	California	Riverside	86.30	90.00	-	-	-	-	-	-	-	-	0.08	-	-	0.02	-	-	-	-	-	0.13
60658001	California	Riverside	92.10	93.00	-	-	-	-	-	-	-	-	0.15	-	-	0.06	-	-	-	-	0.02	0.18
60658005	California	Riverside	88.00	89.20	-	-	-	-	-	-	-	-	0.15	-	-	0.06	-	-	-	-	0.01	0.17
60659001	California	Riverside	81.00	83.50	-	-	-	-	-	-	-	-	0.07	-	-	0.02	-	-	-	-	-	0.14
60670012	California	Sacramento	84.90	86.50	-	-	-	-	-	-	-	-	0.32	-	-	-	-	-	-	-	-	0.63
60675003	California	Sacramento	78.80	80.40	-	-	-	-	-	-	-	-	0.36	-	-	-	-	-	-	-	-	0.41
60710005	California	San Bernardino	101.90	103.80	-	-	-	-	-	-	-	-	0.22	-	-	0.06	-	-	-	-	0.03	0.14
60710012	California	San Bernardino	89.80	91.70	-	-	-	-	-	-	-	-	0.18	-	-	0.09	-	-	-	-	-	0.10
60710306	California	San Bernardino	80.00	81.20	-	-	-	-	-	-	-	-	0.05	-	-	0.02	-	-	-	-	0.03	0.15
60711004	California	San Bernardino	94.40	95.70	-	-	-	-	0.01	-	-	-	0.15	-	-	0.09	-	-	-	-	0.03	0.16
60712002	California	San Bernardino	98.70	100.60	-	-	-	-	-	-	-	-	0.18	-	-	0.08	-	-	-	-	0.03	0.17
60714001	California	San Bernardino	90.60	93.20	-	-	-	-	-	-	-	-	0.22	-	-	0.06	-	-	-	-	0.03	0.13
60714003	California	San Bernardino	100.60	102.60	-	-	-	-	-	-	-	-	0.16	-	-	0.05	-	-	-	-	0.02	0.24
60719002	California	San Bernardino	86.80	88.40	-	-	-	-	0.02	-	-	0.01	0.10	-	-	0.10	-	-	-	-	0.10	0.15
60719004	California	San Bernardino	94.60	94.90	-	-	-	-	-	-	-	-	0.15	-	-	0.05	-	-	-	-	0.02	0.23
60990006	California	Stanislaus	81.90	82.80	-	-	-	-	-	-	-	-	0.19	-	-	-	-	-	-	-	-	0.28
61070006	California	Tulare	76.00	79.00	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-	-	0.18
61070009	California	Tulare	86.10	87.20	-	-	-	-	-	-	-	-	0.15	-	-	-	-	-	-	-	-	0.20
61072002	California	Tulare	77.40	80.20	-	-	-	-	-	-	-	-	0.25	-	-	-	-	-	-	-	-	0.23
61072010	California	Tulare	81.20	82.10	-	-	-	-	-	-	-	-	0.29	-	-	-	-	-	-	-	-	0.40
61112002	California	Ventura	77.00	78.90	-	-	-	-	-	-	-	-	0.18	-	-	0.05	-	-	-	-	0.02	0.16

## Contributions to 2018 Nonattainment Sites in the West (Part 3)

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
60190007	California	Fresno	88.30	88.50	-	-	-	-	-	0.03	0.26	-	-	0.07	-	-	0.02	-	2.44	8.44	29.98
60190011	California	Fresno	86.80	89.60	-	-	-	-	-	0.02	0.26	-	-	0.07	-	-	0.02	-	2.10	8.03	30.51
60190242	California	Fresno	85.80	88.90	-	-	-	-	-	0.02	0.29	-	-	0.06	-	-	0.03	0.01	2.87	8.92	30.86
60194001	California	Fresno	83.10	84.30	-	-	-	-	-	-	-	-	-	0.03	-	-	-	-	2.35	8.98	26.51
60195001	California	Fresno	89.80	91.70	-	-	-	-	-	-	-	-	-	0.03	-	-	-	-	1.95	8.85	29.92
60251003	California	Imperial	77.90	78.80	-	-	-	-	-	0.34	0.15	-	-	0.02	-	-	0.08	0.06	9.23	4.63	40.15
60290007	California	Kern	85.60	89.60	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	3.33	8.28	28.57
60290008	California	Kern	78.30	79.90	-	-	-	-	-	0.01	0.05	-	-	0.01	-	-	0.01	0.02	3.16	7.58	30.89
60290014	California	Kern	81.80	83.00	-	-	-	-	-	0.06	-	-	-	0.04	-	-	-	-	3.17	8.78	27.30
60290232	California	Kern	81.40	83.00	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	2.97	8.07	27.76
60295002	California	Kern	83.90	84.80	-	-	-	-	-	0.01	0.16	-	-	0.01	-	-	0.03	0.01	7.04	8.07	28.76
60296001	California	Kern	78.00	79.60	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	3.06	9.40	25.92
60311004	California	Kings	79.90	82.60	-	-	-	-	-	-	-	-	-	0.11	-	-	-	-	2.46	8.75	25.90
60370002	California	Los Angeles	77.90	79.80	-	-	-	-	-	0.14	0.04	-	-	0.07	-	-	0.01	0.01	4.48	2.37	24.49
60370016	California	Los Angeles	91.50	94.40	-	-	-	-	-	0.17	0.05	-	-	0.08	-	-	0.02	0.01	5.27	2.78	28.77
60371002	California	Los Angeles	76.60	77.60	-	-	-	-	-	0.10	0.02	-	-	0.08	-	-	0.01	-	5.36	2.66	23.18
60371201	California	Los Angeles	87.00	87.00	-	-	-	-	-	0.13	0.06	-	-	0.06	-	-	0.02	0.01	7.97	3.48	26.89
60371701	California	Los Angeles	82.40	83.40	-	-	-	-	-	0.14	0.07	-	-	0.04	-	-	0.02	0.02	5.33	2.56	26.90
60372005	California	Los Angeles	78.30	80.80	-	-	-	-	-	0.17	0.07	-	-	0.02	-	-	0.02	0.02	5.69	2.74	24.92
60376012	California	Los Angeles	93.30	94.90	-	-	-	-	-	0.13	0.07	-	-	0.04	-	-	0.02	0.02	6.11	3.98	32.10
60379033	California	Los Angeles	84.20	85.10	-	-	-	-	-	0.15	0.05	-	-	0.03	-	-	0.03	0.02	4.29	3.48	36.61
60392010	California	Madera	79.00	80.00	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	2.46	8.27	29.50
60470003	California	Merced	77.00	78.20	-	-	-	-	-	-	-	-	-	0.03	-	-	-	-	2.78	7.13	27.97
60610006	California	Placer	77.00	78.80	-	-	-	-	-	0.01	-	-	-	0.21	-	-	-	-	2.12	5.53	23.31
60650004	California	Riverside	80.40	80.40	-	-	-	-	-	0.13	0.09	-	-	0.04	-	-	0.03	0.02	5.89	2.48	26.11
60650012	California	Riverside	91.30	92.90	-	-	-	-	-	0.12	0.02	-	-	0.05	-	-	0.01	-	4.72	3.19	34.76
60651016	California	Riverside	93.80	94.10	-	-	-	-	-	0.20	0.03	-	-	0.06	-	-	0.02	0.01	5.39	3.37	36.68
60652002	California	Riverside	78.90	79.50	-	-	-	-	-	0.26	0.07	-	-	0.02	-	-	0.04	0.02	3.97	3.88	37.41
60655001	California	Riverside	86.30	86.90	-	-	-	-	-	0.37	0.07	-	-	0.03	-	-	0.05	0.02	4.91	3.05	42.90
60656001	California	Riverside	86.30	90.00	-	-	-	-	-	0.04	0.03	-	-	0.04	-	-	-	-	6.00	2.51	29.75
60658001	California	Riverside	92.10	93.00	-	-	-	-	-	0.14	0.07	-	-	0.06	-	-	0.02	0.02	6.24	2.76	29.70
60658005	California	Riverside	88.00	89.20	-	-	-	-	-	0.13	0.06	-	-	0.05	-	-	0.02	0.02	5.96	2.63	28.38
60659001	California	Riverside	81.00	83.50	-	-	-	-	-	0.03	0.04	-	-	0.05	-	-	0.01	-	5.84	2.28	27.85
60670012	California	Sacramento	84.90	86.50	-	-	-	-	-	0.01	-	-	-	0.18	-	-	-	-	1.97	6.20	27.42
60675003	California	Sacramento	78.80	80.40	-	-	-	-	-	-	-	-	-	0.11	-	-	-	-	1.52	6.12	24.20
60710005	California	San Bernardino	101.90	103.80	-	-	-	-	-	0.22	0.03	-	-	0.05	-	-	0.02	0.01	4.53	3.27	39.40
60710012	California	San Bernardino	89.80	91.70	-	-	-	-	-	0.05	0.07	-	-	0.02	-	-	0.03	0.03	2.20	2.68	45.47
60710306	California	San Bernardino	80.00	81.20	-	-	-	-	-	0.14	0.01	-	-	0.04	-	-	0.01	-	2.84	2.57	34.77
60711004	California	San Bernardino	94.40	95.70	-	-	-	-	-	0.22	0.07	-	-	0.05	-	-	0.03	0.02	5.51	3.05	32.69
60712002	California	San Bernardino	98.70	100.60	-	-	-	-	-	0.22	0.04	-	-	0.05	-	-	0.02	0.01	5.56	3.20	33.10
60714001	California	San Bernardino	90.60	93.20	-	-	-	-	-	0.20	0.02	-	-	0.03	-	-	0.02	0.01	3.68	2.98	37.43
60714003	California	San Bernardino	100.60	102.60	-	-	-	-	-	0.14	0.08	-	-	0.11	-	-	0.02	0.01	6.59	3.09	33.45
60719002	California	San Bernardino	86.80	88.40	-	-	-	-	-	0.47	0.03	-	-	0.05	-	-	0.04	0.01	5.46	3.75	37.09
60719004	California	San Bernardino	94.60	94.90	-	-	-	-	-	0.13	0.08	-	-	0.10	-	-	0.02	0.01	6.20	2.91	31.46
60990006	California	Stanislaus	81.90	82.80	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	3.13	6.22	24.60
61070006	California	Tulare	76.00	79.00	-	-	-	-	-	0.02	-	-	-	0.05	-	-	-	-	8.44	5.04	45.29
61070009	California	Tulare	86.10	87.20	-	-	-	-	-	0.02	-	-	-	0.05	-	-	-	-	4.13	9.58	36.85
61072002	California	Tulare	77.40	80.20	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	2.29	8.54	23.12
61072010	California	Tulare	81.20	82.10	-	-	-	-	-	-	-	-	-	0.21	-	-	-	-	2.69	9.92	25.91
61112002	California	Ventura	77.00	78.90	-	-	-	-	-	0.12	0.08	-	-	0.05	-	-	0.02	0.02	6.78	3.49	25.05

## Contributions to 2018 Maintenance Sites in the West

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME	
60170020	California	El Dorado	75.30	76.50	-	-	-	42.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60290011	California	Kern	75.20	76.20	-	0.44	-	23.48	0.05	-	-	-	-	-	0.01	-	-	-	-	-	-	-	
60610003	California	Placer	75.60	77.40	-	-	-	42.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60731006	California	San Diego	75.10	76.00	-	0.30	-	30.37	0.03	-	-	-	-	-	-	-	-	-	-	-	0.01	-	
80350004	Colorado	Douglas	74.40	76.50	-	0.32	-	1.16	26.50	-	-	-	-	-	0.22	-	-	-	0.47	-	0.01	-	
Receptor	State	County	2018 Avg	2018	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	
60170020	California	El Dorado	75.30	76.50	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-	-	-	0.73
60290011	California	Kern	75.20	76.20	-	-	-	-	-	-	-	-	0.34	-	-	0.08	-	-	-	-	-	0.01	0.13
60610003	California	Placer	75.60	77.40	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-	-	-	0.73
60731006	California	San Diego	75.10	76.00	-	-	-	-	-	-	-	-	0.07	-	-	0.05	-	-	-	-	-	0.01	0.16
80350004	Colorado	Douglas	74.40	76.50	-	-	-	-	-	0.01	0.03	0.56	0.44	-	-	0.11	-	-	0.03	-	0.13	0.11	
Receptor	State	County	2018 Avg	2018	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY		
60170020	California	El Dorado	75.30	76.50	-	-	-	-	-	0.01	-	-	-	0.13	-	-	-	-	2.30	5.40	23.85		
60290011	California	Kern	75.20	76.20	-	-	-	-	-	0.10	0.06	-	-	0.04	-	-	0.02	0.02	2.73	3.45	44.13		
60610003	California	Placer	75.60	77.40	-	-	-	-	-	0.01	-	-	-	0.13	-	-	-	-	2.31	5.42	23.95		
60731006	California	San Diego	75.10	76.00	-	-	-	-	-	0.07	0.04	-	-	0.06	-	-	0.02	0.01	15.21	2.39	26.18		
80350004	Colorado	Douglas	74.40	76.50	-	-	-	0.04	-	0.28	1.43	-	-	0.04	-	-	1.29	0.22	0.84	4.46	35.54		

## Contributions to Monitoring Sites Projected to be “Clean” for Ozone in 2018

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
10030010	Alabama	Baldwin	62.50	64.30	12.23	0.02	0.55	0.04	0.05	-	-	-	1.88	2.14	0.01	0.26	0.22	0.17	0.16	0.47	7.98	-
10331002	Alabama	Colbert	51.40	53.00	11.82	0.02	0.34	0.05	0.12	-	-	-	0.11	1.62	0.03	0.23	0.63	0.07	0.16	2.00	0.47	-
10499991	Alabama	DeKalb	57.10	57.10	5.55	0.03	0.15	0.08	0.19	-	-	-	0.03	3.71	0.04	0.16	0.40	0.08	0.14	2.71	0.11	-
10510001	Alabama	Elmore	56.40	57.80	14.59	0.07	0.42	0.08	0.08	-	-	-	0.24	6.86	0.01	0.34	0.59	0.12	0.09	0.86	0.40	-
10550011	Alabama	Etowah	51.90	52.10	15.47	0.07	0.05	0.08	0.14	-	-	-	0.08	4.16	0.02	0.05	0.15	0.04	0.11	0.87	1.12	-
10690004	Alabama	Houston	55.00	56.20	5.79	0.04	0.30	0.05	0.08	-	-	-	0.67	9.25	0.01	0.55	0.67	0.15	0.17	0.83	1.19	-
10730023	Alabama	Jefferson	61.60	63.90	27.02	0.06	0.34	0.09	0.12	-	-	-	0.21	3.09	0.02	0.22	0.38	0.07	0.18	0.86	0.33	-
10731003	Alabama	Jefferson	61.80	64.30	24.28	0.08	0.12	0.09	0.09	-	-	-	0.14	4.11	0.02	0.18	0.35	0.06	0.07	1.08	0.18	-
10731005	Alabama	Jefferson	63.50	65.00	24.69	0.11	0.49	0.11	0.12	-	0.01	0.01	0.25	3.05	0.01	0.14	0.20	0.04	0.13	0.78	0.50	-
10731009	Alabama	Jefferson	61.30	63.00	22.12	0.08	0.12	0.10	0.10	-	0.01	-	0.18	3.79	0.02	0.19	0.41	0.07	0.08	1.25	0.19	-
10731010	Alabama	Jefferson	61.60	63.60	26.45	0.05	0.20	0.10	0.12	-	-	-	0.20	3.89	0.03	0.20	0.37	0.10	0.14	0.86	0.21	-
10732006	Alabama	Jefferson	63.00	64.70	27.97	0.06	0.35	0.08	0.11	-	-	-	0.16	3.04	0.01	0.20	0.34	0.06	0.16	0.83	0.34	-
10735002	Alabama	Jefferson	60.50	62.20	25.92	0.10	0.13	0.15	0.25	-	-	-	0.39	3.07	0.03	0.10	0.17	0.06	0.16	0.54	0.84	-
10735003	Alabama	Jefferson	60.50	62.20	25.05	0.06	0.16	0.13	0.19	-	-	-	0.93	3.01	0.02	0.17	0.29	0.06	0.17	0.74	0.24	-
10736002	Alabama	Jefferson	65.20	68.00	29.38	0.09	0.12	0.16	0.19	-	-	-	0.43	3.48	0.03	0.14	0.21	0.08	0.20	0.56	0.91	-
10890014	Alabama	Madison	59.80	61.70	16.11	0.03	0.06	0.06	0.11	-	-	-	0.08	1.56	0.02	0.11	0.32	0.05	0.10	2.51	0.07	-
10970003	Alabama	Mobile	58.50	60.20	15.74	0.03	0.21	0.07	0.16	-	-	-	1.59	1.38	0.01	0.12	0.20	0.06	0.14	0.24	4.45	-
10972005	Alabama	Mobile	64.80	64.80	26.49	0.02	0.30	0.05	0.07	-	-	-	1.92	1.55	0.01	0.36	0.44	0.14	0.08	0.43	3.08	-
11011002	Alabama	Montgomery	56.60	58.00	17.73	0.03	0.19	0.11	0.12	-	-	-	0.28	5.16	0.03	0.27	0.79	0.15	0.14	1.18	0.20	-
11030011	Alabama	Morgan	59.40	61.40	11.18	0.03	0.10	0.09	0.19	-	-	-	0.66	0.42	0.02	0.27	1.28	0.04	0.19	2.85	0.16	-
11130002	Alabama	Russell	55.20	56.00	5.89	0.06	0.17	0.11	0.15	-	-	-	0.41	10.59	0.02	0.15	0.26	0.11	0.11	0.56	0.29	-
11170004	Alabama	Shelby	61.40	62.80	27.00	0.07	0.35	0.10	0.18	-	-	-	0.18	2.30	0.02	0.20	0.52	0.07	0.21	0.94	0.35	-
11190002	Alabama	Sumter	55.40	55.40	12.69	0.03	0.58	0.08	0.13	-	-	-	0.05	2.03	0.01	0.31	0.50	0.19	0.17	0.89	2.25	-
11250010	Alabama	Tuscaloosa	51.40	51.70	19.13	0.06	0.24	0.09	0.13	-	-	-	0.10	2.64	0.02	0.10	0.20	0.05	0.10	0.97	0.18	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
10030010	Alabama	Baldwin	62.50	64.30	0.02	-	0.40	0.16	4.42	0.40	0.04	0.09	0.01	-	-	0.04	0.03	0.21	0.03	0.26	0.34	-
10331002	Alabama	Colbert	51.40	53.00	0.02	-	0.31	0.08	0.31	0.26	0.06	0.08	0.01	-	0.01	0.06	0.03	0.37	0.03	0.96	0.21	0.01
10499991	Alabama	DeKalb	57.10	57.10	0.03	-	0.38	0.13	0.08	0.19	0.08	0.14	0.02	-	-	0.05	-	0.94	0.04	1.33	0.11	0.02
10510001	Alabama	Elmore	56.40	57.80	0.11	-	0.33	0.05	0.43	0.35	0.02	0.05	0.01	-	0.01	0.16	0.04	1.31	0.02	0.60	0.21	0.01
10550011	Alabama	Etowah	51.90	52.10	0.03	-	0.12	0.04	0.27	0.07	0.03	0.06	0.02	-	-	0.15	0.01	0.71	0.01	0.48	0.09	0.01
10690004	Alabama	Houston	55.00	56.20	0.05	-	0.44	0.08	0.89	0.37	0.04	0.11	0.01	-	-	0.09	0.04	1.24	0.04	0.43	0.25	0.01
10730023	Alabama	Jefferson	61.60	63.90	0.06	-	0.20	0.07	0.35	0.34	0.03	0.06	0.02	-	-	0.12	0.03	0.54	0.03	0.47	0.35	0.01
10731003	Alabama	Jefferson	61.80	64.30	0.09	-	0.16	0.07	0.16	0.14	0.05	0.06	0.01	-	0.01	0.14	0.02	0.93	0.04	0.92	0.11	0.01
10731005	Alabama	Jefferson	63.50	65.00	0.12	-	0.06	0.02	0.53	0.27	0.01	0.03	0.02	-	0.01	0.19	0.03	0.69	0.01	0.32	0.21	-
10731009	Alabama	Jefferson	61.30	63.00	0.11	-	0.19	0.08	0.19	0.15	0.06	0.07	0.02	-	0.01	0.15	0.03	0.88	0.04	1.00	0.11	0.01
10731010	Alabama	Jefferson	61.60	63.60	0.05	-	0.32	0.12	0.82	0.18	0.07	0.09	0.02	-	-	0.09	0.03	0.62	0.05	0.64	0.21	0.01
10732006	Alabama	Jefferson	63.00	64.70	0.07	-	0.18	0.06	0.30	0.36	0.03	0.05	0.01	-	-	0.13	0.03	0.58	0.02	0.45	0.34	0.01
10735002	Alabama	Jefferson	60.50	62.20	0.04	-	0.14	0.07	0.44	0.11	0.05	0.08	0.05	-	-	0.23	0.01	0.57	0.02	0.27	0.20	0.01
10735003	Alabama	Jefferson	60.50	62.20	0.03	-	0.22	0.07	0.32	0.14	0.05	0.08	0.03	-	-	0.15	0.02	0.49	0.03	0.35	0.22	0.01
10736002	Alabama	Jefferson	65.20	68.00	0.05	-	0.18	0.09	0.41	0.13	0.07	0.10	0.04	-	-	0.21	0.01	0.81	0.04	0.32	0.18	0.01
10890014	Alabama	Madison	59.80	61.70	0.03	-	0.53	0.08	0.05	0.10	0.06	0.08	0.01	-	-	0.07	0.04	0.36	0.04	1.50	0.07	0.01
10970003	Alabama	Mobile	58.50	60.20	0.01	-	0.03	0.04	2.25	0.21	0.03	0.07	0.01	-	-	0.06	-	0.45	0.02	0.11	0.23	0.01
10972005	Alabama	Mobile	64.80	64.80	0.02	-	0.48	0.11	2.95	0.27	0.03	0.06	0.01	-	-	0.06	0.01	0.15	0.03	0.27	0.14	-
11011002	Alabama	Montgomery	56.60	58.00	0.02	-	0.34	0.12	0.18	0.25	0.05	0.08	0.03	-	-	0.06	0.02	0.50	0.05	0.69	0.20	0.02
11030011	Alabama	Morgan	59.40	61.40	-	-	0.13	0.02	0.50	0.15	0.03	0.10	0.02	-	-	0.08	-	0.16	0.01	0.82	0.19	0.01
11130002	Alabama	Russell	55.20	56.00	0.06	-	0.05	0.06	0.25	0.20	0.03	0.09	0.02	-	-	0.12	0.01	1.71	0.02	0.18	0.16	0.01
11170004	Alabama	Shelby	61.40	62.80	0.07	-	0.08	0.07	0.30	0.35	0.03	0.06	0.02	-	0.01	0.15	0.02	0.47	0.03	0.42	0.35	0.01
11190002	Alabama	Sumter	55.40	55.40	0.01	-	0.10	0.17	1.41	0.42	0.03	0.09	0.01	-	-	0.05	-	0.25	0.04	0.26	0.37	0.01
11250010	Alabama	Tuscaloosa	51.40	51.70	0.05	-	0.14	0.07	0.15	0.18	0.04	0.06	0.02	-	-	0.11	0.01	0.45	0.03	0.46	0.11	0.01

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
10030010	Alabama	Baldwin	62.50	64.30	0.05	-	0.16	0.03	0.74	1.12	0.02	-	0.12	0.01	0.09	0.20	0.08	-	8.05	3.49	15.49
10331002	Alabama	Colbert	51.40	53.00	0.22	-	0.25	0.03	5.39	0.78	0.04	-	0.31	0.03	0.86	0.14	0.16	0.01	0.97	4.55	16.92
10499991	Alabama	DeKalb	57.10	57.10	0.17	-	0.80	0.05	7.30	0.34	0.06	-	1.01	0.04	1.21	0.13	0.24	0.01	0.71	4.01	23.87
10510001	Alabama	Elmore	56.40	57.80	0.39	-	0.84	0.02	1.83	1.23	0.03	-	0.57	0.01	0.34	0.08	0.07	0.01	1.54	4.69	16.03
10550011	Alabama	Etowah	51.90	52.10	0.13	-	0.46	0.02	2.71	0.44	0.06	-	0.52	0.01	0.50	0.04	0.12	0.02	1.43	3.07	17.65
10690004	Alabama	Houston	55.00	56.20	0.18	-	1.08	0.04	1.50	0.99	0.02	-	0.46	0.02	0.32	0.14	0.08	0.01	1.64	5.18	19.26
10730023	Alabama	Jefferson	61.60	63.90	0.18	-	0.42	0.02	2.26	0.94	0.05	-	0.36	0.01	0.32	0.06	0.12	0.01	1.40	3.30	16.27
10731003	Alabama	Jefferson	61.80	64.30	0.24	-	0.72	0.03	2.99	0.64	0.04	-	0.60	0.02	0.67	0.06	0.11	0.01	1.23	3.40	17.04
10731005	Alabama	Jefferson	63.50	65.00	0.22	-	0.58	0.01	2.45	1.03	0.05	-	0.48	0.01	0.36	0.03	0.07	0.02	2.22	3.53	19.05
10731009	Alabama	Jefferson	61.30	63.00	0.28	-	0.70	0.03	3.12	0.68	0.04	-	0.62	0.02	0.74	0.07	0.12	0.02	1.34	3.65	17.85
10731010	Alabama	Jefferson	61.60	63.60	0.23	-	0.45	0.05	1.51	0.60	0.06	-	0.37	0.03	0.38	0.07	0.19	0.01	1.21	3.30	16.71
10732006	Alabama	Jefferson	63.00	64.70	0.19	-	0.45	0.02	2.16	0.95	0.04	-	0.38	0.01	0.33	0.05	0.10	0.02	1.28	3.20	17.21
10735002	Alabama	Jefferson	60.50	62.20	0.17	-	0.40	0.03	1.38	0.73	0.13	-	0.37	0.02	0.37	0.04	0.22	0.04	1.92	3.24	17.02
10735003	Alabama	Jefferson	60.50	62.20	0.18	-	0.31	0.03	2.08	0.81	0.09	-	0.37	0.02	0.46	0.06	0.18	0.02	1.45	3.78	16.96
10736002	Alabama	Jefferson	65.20	68.00	0.19	-	0.69	0.03	1.20	0.73	0.09	-	0.48	0.02	0.49	0.07	0.20	0.03	2.02	3.26	16.82
10890014	Alabama	Madison	59.80	61.70	0.31	-	0.16	0.03	8.28	0.29	0.03	-	0.61	0.02	1.10	0.12	0.13	0.01	0.93	4.02	19.32
10970003	Alabama	Mobile	58.50	60.20	0.05	-	0.43	0.02	0.67	0.80	0.05	-	0.14	0.01	0.11	0.02	0.11	0.02	3.94	3.32	20.65
10972005	Alabama	Mobile	64.80	64.80	0.05	-	0.13	0.03	1.06	0.72	0.03	-	0.08	0.01	0.06	0.22	0.06	-	4.95	3.44	14.20
11011002	Alabama	Montgomery	56.60	58.00	0.10	-	0.51	0.04	2.02	0.58	0.06	-	0.20	0.04	0.17	0.08	0.15	0.01	1.03	4.06	18.32
11030011	Alabama	Morgan	59.40	61.40	0.03	-	0.14	0.01	3.73	0.41	0.08	-	0.20	0.01	0.32	0.06	0.15	0.02	0.95	4.70	28.70
11130002	Alabama	Russell	55.20	56.00	0.25	-	1.20	0.03	1.42	0.55	0.07	-	0.58	0.02	0.32	0.03	0.18	0.02	1.10	3.73	23.63
11170004	Alabama	Shelby	61.40	62.80	0.14	-	0.41	0.02	2.21	0.98	0.07	-	0.33	0.02	0.23	0.06	0.11	0.03	1.15	3.42	17.08
11190002	Alabama	Sumter	55.40	55.40	0.03	-	0.24	0.03	2.32	1.64	0.04	-	0.15	0.02	0.14	0.11	0.10	0.02	1.77	4.00	21.44
11250010	Alabama	Tuscaloosa	51.40	51.70	0.16	-	0.36	0.02	2.39	0.58	0.05	-	0.37	0.02	0.46	0.05	0.12	0.02	1.35	2.82	16.48

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
40038001	Arizona	Cochise	69.20	70.10	-	4.34	-	0.33	0.02	-	-	-	-	-	0.04	-	-	-	0.01	-	-	-
40051008	Arizona	Coconino	65.10	65.80	0.02	3.65	-	1.19	0.06	-	-	-	0.01	0.02	0.08	-	-	-	-	-	0.11	-
40058001	Arizona	Coconino	68.40	69.40	-	1.92	-	7.70	0.05	-	-	-	-	-	0.02	-	-	-	-	-	-	-
40070010	Arizona	Gila	66.20	67.40	0.01	14.79	-	3.09	0.13	-	-	-	-	-	0.02	-	-	-	0.02	-	0.04	-
40128000	Arizona	La Paz	67.60	68.30	-	3.36	-	10.63	0.04	-	-	-	-	-	0.02	-	-	-	0.01	-	-	-
40130019	Arizona	Maricopa	69.50	71.60	-	26.26	-	2.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40131004	Arizona	Maricopa	71.10	72.30	-	32.21	-	2.68	0.03	-	-	-	-	-	0.01	-	-	-	0.01	-	0.02	-
40131010	Arizona	Maricopa	62.40	64.50	0.01	22.18	0.01	2.25	0.04	-	-	-	-	-	-	-	-	-	0.01	-	0.05	-
40132001	Arizona	Maricopa	66.80	67.90	-	28.65	-	2.60	0.03	-	-	-	-	-	-	-	-	-	0.01	-	0.01	-
40132005	Arizona	Maricopa	67.10	68.00	-	24.09	-	3.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40133002	Arizona	Maricopa	66.60	68.10	-	27.14	-	3.45	0.03	-	-	-	-	-	-	-	-	-	0.01	-	0.02	-
40133003	Arizona	Maricopa	68.10	69.30	0.01	27.83	0.01	2.62	0.05	-	-	-	-	-	0.01	-	-	-	0.02	-	0.06	-
40134003	Arizona	Maricopa	68.20	69.40	-	25.83	0.01	2.51	0.01	-	-	-	-	-	-	-	-	-	-	-	0.02	-
40134004	Arizona	Maricopa	64.70	65.90	0.02	20.61	0.01	1.65	0.06	-	-	-	0.02	0.02	0.01	-	-	-	0.05	-	0.07	-
40134005	Arizona	Maricopa	62.60	63.80	0.01	22.46	0.01	2.36	0.04	-	-	-	-	-	-	-	-	-	0.01	-	0.05	-
40134008	Arizona	Maricopa	67.20	67.80	-	22.31	-	3.53	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-
40134010	Arizona	Maricopa	62.90	63.80	-	26.19	-	1.79	0.06	-	-	-	-	-	0.02	-	-	-	0.01	-	0.01	-
40134011	Arizona	Maricopa	59.30	60.20	-	21.19	-	1.63	0.08	-	-	-	-	-	0.02	-	-	-	0.03	-	-	-
40137003	Arizona	Maricopa	64.10	65.20	-	13.37	-	2.91	0.07	-	-	-	-	-	0.11	-	-	0.01	0.05	-	-	-
40137020	Arizona	Maricopa	66.30	67.50	0.01	27.10	0.01	2.55	0.05	-	-	-	-	-	-	-	-	-	0.02	-	0.06	-
40137021	Arizona	Maricopa	68.10	68.40	0.01	26.59	0.01	2.56	0.05	-	-	-	-	-	0.01	-	-	-	0.02	-	0.06	-
40137022	Arizona	Maricopa	65.10	66.60	0.01	25.42	0.01	2.45	0.05	-	-	-	-	-	0.01	-	-	-	0.02	-	0.06	-
40137024	Arizona	Maricopa	66.00	66.60	0.01	26.97	0.01	2.54	0.05	-	-	-	-	-	-	-	-	-	0.02	-	0.06	-
40139508	Arizona	Maricopa	64.80	66.50	-	16.15	-	3.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40139702	Arizona	Maricopa	66.50	68.60	0.01	22.56	0.01	3.00	0.08	-	-	-	-	-	0.02	-	-	-	0.02	-	0.05	-
40139704	Arizona	Maricopa	66.10	67.50	-	24.05	-	4.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40139706	Arizona	Maricopa	65.30	66.20	-	23.22	-	3.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40139997	Arizona	Maricopa	69.00	69.90	-	28.12	-	3.57	0.03	-	-	-	-	-	-	-	-	-	0.01	-	0.02	-
40190021	Arizona	Pima	65.50	67.10	0.01	16.10	0.01	0.53	0.13	-	-	-	-	-	0.02	-	-	-	0.05	-	0.06	-
40191011	Arizona	Pima	61.10	62.00	0.02	12.48	0.01	0.94	0.16	-	-	-	0.01	-	0.01	-	-	-	0.09	-	0.09	-
40191018	Arizona	Pima	62.30	62.90	0.02	10.92	0.01	1.22	0.19	-	-	-	0.01	-	0.02	-	-	-	0.11	-	0.10	-
40191020	Arizona	Pima	63.70	64.90	0.03	13.02	0.02	0.48	0.18	-	-	-	0.01	0.01	0.03	-	-	-	0.08	-	0.12	-
40191028	Arizona	Pima	60.90	61.80	0.02	12.02	0.01	1.15	0.17	-	-	-	0.01	-	0.01	-	-	-	0.09	-	0.10	-
40191030	Arizona	Pima	62.90	64.10	0.04	8.81	0.02	1.07	0.12	-	-	-	0.02	0.02	0.01	-	-	-	0.06	-	0.11	-
40191032	Arizona	Pima	60.40	61.00	0.02	12.51	0.01	1.04	0.16	-	-	-	0.01	-	0.01	-	-	-	0.09	-	0.09	-
40191034	Arizona	Pima	59.30	60.20	0.03	12.34	0.02	0.73	0.22	-	-	-	0.02	0.01	0.02	-	-	-	0.11	-	0.14	-
40213001	Arizona	Pinal	64.80	65.70	0.01	19.10	-	1.91	0.07	-	-	-	-	-	0.02	-	-	-	0.02	-	0.05	-
40213007	Arizona	Pinal	64.10	64.70	-	8.98	-	0.94	0.10	-	-	-	-	-	0.02	-	-	-	0.04	-	-	-
40217001	Arizona	Pinal	63.70	65.30	-	8.26	-	3.61	0.05	-	-	-	-	-	-	-	-	-	0.03	-	-	-
40218001	Arizona	Pinal	67.60	68.50	-	17.10	-	2.04	0.04	-	-	-	-	-	0.01	-	-	-	0.02	-	0.02	-
40258033	Arizona	Yavapai	64.60	65.60	0.02	6.00	-	1.99	0.04	-	-	-	0.01	0.02	-	-	-	-	-	-	0.11	-
40278011	Arizona	Yuma	70.70	72.30	-	4.79	-	16.63	0.01	-	-	-	-	-	-	-	-	-	-	-	0.01	-
50350005	Arkansas	Crittenden	69.20	70.70	0.27	0.05	6.55	0.13	0.26	-	-	-	0.18	0.09	0.02	0.75	0.57	0.11	0.36	1.19	0.49	-
51130003	Arkansas	Polk	66.50	67.20	0.53	0.10	5.42	0.10	0.15	-	-	-	0.31	0.48	0.01	0.08	0.04	0.09	0.26	0.08	3.08	-
51190007	Arkansas	Pulaski	61.00	61.60	0.24	0.06	24.42	0.12	0.23	-	-	-	0.30	0.21	0.02	0.26	0.12	0.07	0.27	0.15	0.97	-
51191002	Arkansas	Pulaski	64.20	65.30	0.87	0.05	25.53	0.12	0.20	-	-	-	0.38	0.61	0.02	0.08	0.15	0.03	0.16	0.20	3.11	-
51191008	Arkansas	Pulaski	62.50	64.30	0.27	0.06	23.97	0.12	0.23	-	-	-	0.32	0.22	0.02	0.21	0.12	0.06	0.26	0.15	1.06	-
51430005	Arkansas	Washington	63.80	65.60	0.05	0.06	9.21	0.16	0.26	-	-	-	0.05	0.02	0.02	0.09	0.04	0.07	1.07	0.03	1.37	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
40038001	Arizona	Cochise	69.20	70.10	-	-	-	-	-	-	-	-	0.07	-	-	0.12	-	-	-	-	0.02	0.08
40051008	Arizona	Coconino	65.10	65.80	-	-	-	-	0.02	-	0.04	-	0.09	-	-	0.13	-	-	-	-	0.01	0.04
40058001	Arizona	Coconino	68.40	69.40	-	-	-	-	-	-	-	-	0.40	-	-	0.08	-	-	-	-	0.01	0.04
40070010	Arizona	Gila	66.20	67.40	-	-	-	-	0.01	-	0.01	-	0.41	-	-	0.23	-	-	-	-	0.05	0.03
40128000	Arizona	La Paz	67.60	68.30	-	-	-	-	-	-	-	-	0.33	-	-	0.06	-	-	-	-	0.01	0.08
40130019	Arizona	Maricopa	69.50	71.60	-	-	-	-	-	-	-	-	0.16	-	-	-	-	-	-	-	-	0.05
40131004	Arizona	Maricopa	71.10	72.30	-	-	-	-	-	-	-	-	0.23	-	-	0.07	-	-	-	-	0.03	0.07
40131010	Arizona	Maricopa	62.40	64.50	-	-	-	-	0.01	-	-	-	0.15	-	-	0.08	-	-	-	-	0.04	0.05
40132001	Arizona	Maricopa	66.80	67.90	-	-	-	-	-	-	-	-	0.19	-	-	0.06	-	-	-	-	0.02	0.05
40132005	Arizona	Maricopa	67.10	68.00	-	-	-	-	-	-	-	-	0.26	-	-	0.01	-	-	-	-	-	0.05
40133002	Arizona	Maricopa	66.60	68.10	-	-	-	-	-	-	-	-	0.16	-	-	0.06	-	-	-	-	0.03	0.06
40133003	Arizona	Maricopa	68.10	69.30	-	-	-	-	0.01	-	-	-	0.16	-	-	0.10	-	-	-	-	0.05	0.06
40134003	Arizona	Maricopa	68.20	69.40	-	-	-	-	-	-	-	-	0.15	-	-	0.04	-	-	-	-	0.02	0.05
40134004	Arizona	Maricopa	64.70	65.90	-	-	-	-	0.01	-	-	0.03	0.25	-	-	0.21	-	-	-	-	0.07	0.08
40134005	Arizona	Maricopa	62.60	63.80	-	-	-	-	0.01	-	-	-	0.14	-	-	0.07	-	-	-	-	0.04	0.05
40134008	Arizona	Maricopa	67.20	67.80	-	-	-	-	-	-	-	-	0.15	-	-	0.01	-	-	-	-	-	0.06
40134010	Arizona	Maricopa	62.90	63.80	-	-	-	-	-	-	-	-	0.22	-	-	0.12	-	-	-	-	0.03	0.05
40134011	Arizona	Maricopa	59.30	60.20	-	-	-	-	-	-	0.01	-	0.20	-	-	0.26	-	-	-	-	0.02	0.05
40137003	Arizona	Maricopa	64.10	65.20	-	-	-	0.01	-	-	0.07	0.02	0.32	-	-	0.24	-	-	0.02	-	0.04	0.11
40137020	Arizona	Maricopa	66.30	67.50	-	-	-	-	0.01	-	-	-	0.16	-	-	0.10	-	-	-	-	0.05	0.06
40137021	Arizona	Maricopa	68.10	68.40	-	-	-	-	0.01	-	-	-	0.17	-	-	0.11	-	-	-	-	0.06	0.06
40137022	Arizona	Maricopa	65.10	66.60	-	-	-	-	0.01	-	-	-	0.16	-	-	0.10	-	-	-	-	0.05	0.05
40137024	Arizona	Maricopa	66.00	66.60	-	-	-	-	0.01	-	-	-	0.15	-	-	0.10	-	-	-	-	0.05	0.06
40139508	Arizona	Maricopa	64.80	66.50	-	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-	-	0.03
40139702	Arizona	Maricopa	66.50	68.60	-	-	-	-	0.01	-	-	-	0.49	-	-	0.16	-	-	-	-	0.05	0.05
40139704	Arizona	Maricopa	66.10	67.50	-	-	-	-	-	-	-	-	0.26	-	-	0.01	-	-	-	-	-	0.05
40139706	Arizona	Maricopa	65.30	66.20	-	-	-	-	-	-	-	-	0.25	-	-	0.01	-	-	-	-	-	0.05
40139997	Arizona	Maricopa	69.00	69.90	-	-	-	-	-	-	-	-	0.16	-	-	0.06	-	-	-	-	0.03	0.06
40190021	Arizona	Pima	65.50	67.10	-	-	-	-	0.01	-	0.01	0.01	0.38	-	-	0.37	-	-	-	-	0.12	0.06
40191011	Arizona	Pima	61.10	62.00	-	-	-	-	0.02	-	-	0.01	0.09	-	-	0.52	-	-	-	-	0.21	0.04
40191018	Arizona	Pima	62.30	62.90	-	-	-	-	0.02	-	0.01	0.02	0.12	-	-	0.56	-	-	-	-	0.22	0.04
40191020	Arizona	Pima	63.70	64.90	-	-	-	-	0.02	0.01	0.01	0.02	0.19	-	-	0.51	-	-	-	-	0.18	0.04
40191028	Arizona	Pima	60.90	61.80	-	-	-	-	0.02	-	-	0.01	0.11	-	-	0.49	-	-	-	-	0.20	0.04
40191030	Arizona	Pima	62.90	64.10	-	-	-	-	0.02	0.01	0.01	0.02	0.11	-	-	0.34	-	-	-	-	0.12	0.04
40191032	Arizona	Pima	60.40	61.00	-	-	-	-	0.02	-	-	0.01	0.10	-	-	0.51	-	-	-	-	0.20	0.04
40191034	Arizona	Pima	59.30	60.20	-	-	-	-	0.03	0.01	0.01	0.02	0.08	-	-	0.82	-	-	-	-	0.21	0.01
40213001	Arizona	Pinal	64.80	65.70	-	-	-	-	0.01	-	-	-	0.47	-	-	0.14	-	-	-	-	0.05	0.09
40213007	Arizona	Pinal	64.10	64.70	-	-	-	-	-	-	0.01	0.01	0.08	-	-	0.31	-	-	-	-	0.06	0.02
40217001	Arizona	Pinal	63.70	65.30	-	-	-	-	-	-	0.01	-	0.20	-	-	0.19	-	-	-	-	0.04	0.06
40218001	Arizona	Pinal	67.60	68.50	-	-	-	-	-	-	-	-	0.35	-	-	0.06	-	-	-	-	0.04	0.13
40258033	Arizona	Yavapai	64.60	65.60	-	-	-	-	0.03	-	-	-	0.05	-	-	0.11	-	-	-	-	0.01	0.02
40278011	Arizona	Yuma	70.70	72.30	-	-	-	-	-	-	-	-	0.11	-	-	0.01	-	-	-	-	0.02	0.04
50350005	Arkansas	Crittenden	69.20	70.70	-	-	0.02	0.06	3.55	1.33	0.04	0.10	0.02	-	-	0.12	-	0.03	0.03	0.12	0.69	0.01
51130003	Arkansas	Polk	66.50	67.20	0.05	-	0.03	0.05	0.87	0.36	0.03	0.10	0.01	-	0.01	0.26	0.02	0.23	0.01	0.05	1.53	-
51190007	Arkansas	Pulaski	61.00	61.60	0.02	-	0.01	0.04	1.30	0.72	0.03	0.08	0.03	-	-	0.14	-	0.08	0.01	0.04	0.97	0.01
51191002	Arkansas	Pulaski	64.20	65.30	0.02	-	0.08	0.02	2.06	0.13	0.03	0.08	0.02	-	-	0.11	0.01	0.12	0.01	0.11	0.45	0.01
51191008	Arkansas	Pulaski	62.50	64.30	0.02	-	0.01	0.04	1.39	0.68	0.03	0.08	0.03	-	-	0.14	-	0.08	0.01	0.04	0.99	0.01
51430005	Arkansas	Washington	63.80	65.60	-	-	0.02	0.02	0.30	0.97	0.02	0.24	0.05	-	-	0.14	-	-	0.02	0.01	10.77	0.01

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
40038001	Arizona	Cochise	69.20	70.10	-	-	-	-	-	0.12	0.24	-	-	0.06	-	-	0.02	0.15	4.17	2.90	56.42
40051008	Arizona	Coconino	65.10	65.80	-	-	-	-	-	0.42	0.43	-	-	0.10	-	-	0.18	0.21	1.58	1.74	54.81
40058001	Arizona	Coconino	68.40	69.40	-	-	-	-	-	0.06	0.12	-	-	0.04	-	-	0.03	0.04	2.53	2.23	53.02
40070010	Arizona	Gila	66.20	67.40	-	-	-	-	-	0.37	0.18	-	-	0.02	-	-	0.06	0.05	1.90	2.54	42.09
40128000	Arizona	La Paz	67.60	68.30	-	-	-	-	-	0.08	0.10	-	-	0.07	-	-	0.02	0.02	1.70	2.80	48.18
40130019	Arizona	Maricopa	69.50	71.60	-	-	-	-	-	0.02	0.03	-	-	0.02	-	-	-	0.03	1.41	2.37	36.29
40131004	Arizona	Maricopa	71.10	72.30	-	-	-	-	-	0.18	0.13	-	-	0.04	-	-	0.01	0.13	2.37	3.55	29.20
40131010	Arizona	Maricopa	62.40	64.50	-	-	-	-	-	0.30	0.05	-	-	0.02	-	-	0.02	0.07	2.23	2.70	31.97
40132001	Arizona	Maricopa	66.80	67.90	-	-	-	-	-	0.15	0.05	-	-	0.02	-	-	0.01	0.07	1.72	3.00	30.02
40132005	Arizona	Maricopa	67.10	68.00	-	-	-	-	-	0.04	0.09	-	-	0.02	-	-	-	0.09	1.50	2.68	34.19
40133002	Arizona	Maricopa	66.60	68.10	-	-	-	-	-	0.17	0.04	-	-	0.02	-	-	0.01	0.05	2.28	3.03	29.92
40133003	Arizona	Maricopa	68.10	69.30	-	-	-	-	-	0.35	0.06	-	-	0.03	-	-	0.03	0.07	2.75	3.20	30.48
40134003	Arizona	Maricopa	68.20	69.40	-	-	-	-	-	0.18	0.03	-	-	0.02	-	-	-	0.04	2.48	2.86	33.81
40134004	Arizona	Maricopa	64.70	65.90	-	-	-	-	0.01	0.75	0.08	-	-	0.02	-	-	0.02	0.08	2.20	3.37	34.77
40134005	Arizona	Maricopa	62.60	63.80	-	-	-	-	-	0.29	0.05	-	-	0.02	-	-	0.02	0.05	2.32	2.68	31.76
40134008	Arizona	Maricopa	67.20	67.80	-	-	-	-	-	0.04	0.10	-	-	0.04	-	-	-	0.11	1.86	2.81	36.06
40134010	Arizona	Maricopa	62.90	63.80	-	-	-	-	-	0.18	0.14	-	-	0.03	-	-	0.03	0.10	1.63	3.18	29.00
40134011	Arizona	Maricopa	59.30	60.20	-	-	-	-	-	0.16	0.16	-	-	0.03	-	-	0.04	0.10	1.58	2.90	30.75
40137003	Arizona	Maricopa	64.10	65.20	-	-	-	0.01	-	0.24	0.16	-	-	0.11	-	-	0.08	0.04	1.42	2.58	41.94
40137020	Arizona	Maricopa	66.30	67.50	-	-	-	-	-	0.34	0.05	-	-	0.02	-	-	0.03	0.07	2.67	3.12	29.68
40137021	Arizona	Maricopa	68.10	68.40	-	-	-	-	-	0.37	0.06	-	-	0.03	-	-	0.03	0.09	2.75	3.34	31.56
40137022	Arizona	Maricopa	65.10	66.60	-	-	-	-	-	0.36	0.06	-	-	0.03	-	-	0.03	0.09	2.63	3.19	30.17
40137024	Arizona	Maricopa	66.00	66.60	-	-	-	-	-	0.34	0.05	-	-	0.02	-	-	0.03	0.07	2.66	3.10	29.54
40139508	Arizona	Maricopa	64.80	66.50	-	-	-	-	-	0.01	-	-	-	0.02	-	-	-	-	1.80	1.88	41.51
40139702	Arizona	Maricopa	66.50	68.60	-	-	-	-	-	0.37	0.19	-	-	0.03	-	-	0.04	0.09	2.73	3.41	32.96
40139704	Arizona	Maricopa	66.10	67.50	-	-	-	-	-	0.04	0.08	-	-	0.02	-	-	-	0.06	1.60	2.67	33.13
40139706	Arizona	Maricopa	65.30	66.20	-	-	-	-	-	0.05	0.08	-	-	0.02	-	-	-	0.08	1.48	2.62	33.60
40139997	Arizona	Maricopa	69.00	69.90	-	-	-	-	-	0.18	0.05	-	-	0.02	-	-	0.01	0.05	2.36	3.14	31.00
40190021	Arizona	Pima	65.50	67.10	-	-	-	-	-	0.77	0.22	-	-	0.04	-	-	0.08	0.10	2.57	4.04	39.65
40191011	Arizona	Pima	61.10	62.00	-	-	-	-	-	1.36	0.12	-	-	0.02	-	-	0.09	0.05	2.69	3.47	38.46
40191018	Arizona	Pima	62.30	62.90	-	-	-	-	-	1.42	0.16	-	-	0.03	-	-	0.12	0.06	3.10	3.66	40.04
40191020	Arizona	Pima	63.70	64.90	-	-	-	-	-	1.18	0.19	-	-	0.03	-	-	0.12	0.07	3.34	4.49	39.18
40191028	Arizona	Pima	60.90	61.80	-	-	-	-	-	1.28	0.12	-	-	0.02	-	-	0.09	0.05	2.79	3.37	38.58
40191030	Arizona	Pima	62.90	64.10	-	-	-	-	-	0.94	0.10	-	-	0.02	-	-	0.08	0.05	3.04	3.47	44.06
40191032	Arizona	Pima	60.40	61.00	-	-	-	-	-	1.32	0.12	-	-	0.02	-	-	0.09	0.05	2.80	3.34	37.70
40191034	Arizona	Pima	59.30	60.20	-	-	-	-	-	1.69	0.19	-	-	0.01	-	-	0.11	0.13	3.13	4.50	34.52
40213001	Arizona	Pinal	64.80	65.70	-	-	-	-	-	0.38	0.16	-	-	0.06	-	-	0.03	0.13	1.40	2.80	37.77
40213007	Arizona	Pinal	64.10	64.70	-	-	-	-	-	0.39	0.16	-	-	0.02	-	-	0.06	0.12	2.61	2.82	47.25
40217001	Arizona	Pinal	63.70	65.30	-	-	-	-	-	0.24	0.05	-	-	0.02	-	-	0.03	0.03	1.72	2.13	46.95
40218001	Arizona	Pinal	67.60	68.50	-	-	-	-	-	0.22	0.09	-	-	0.06	-	-	0.02	0.12	1.23	2.45	43.43
40258033	Arizona	Yavapai	64.60	65.60	-	-	-	-	-	0.40	0.02	-	-	0.01	-	-	0.01	0.01	1.91	2.08	51.58
40278011	Arizona	Yuma	70.70	72.30	-	-	-	-	-	0.09	0.01	-	-	0.02	-	-	0.01	-	4.84	3.82	40.18
50350005	Arkansas	Crittenden	69.20	70.70	0.01	-	0.02	0.02	23.32	1.75	0.08	-	0.02	0.02	0.02	0.04	0.13	0.03	1.05	6.21	19.13
51130003	Arkansas	Polk	66.50	67.20	0.10	-	0.14	0.02	0.39	11.85	0.03	-	0.13	0.01	0.09	0.02	0.11	0.02	3.38	6.46	29.18
51190007	Arkansas	Pulaski	61.00	61.60	0.03	-	0.04	0.01	0.69	3.72	0.08	-	0.04	0.01	0.03	0.02	0.13	0.02	1.60	6.20	17.23
51191002	Arkansas	Pulaski	64.20	65.30	0.04	-	0.08	0.01	0.80	2.30	0.08	-	0.06	0.01	0.05	0.02	0.12	0.02	2.09	5.55	17.98
51191008	Arkansas	Pulaski	62.50	64.30	0.03	-	0.04	0.01	0.71	4.24	0.09	-	0.04	0.01	0.03	0.02	0.14	0.02	1.73	6.65	17.91
51430005	Arkansas	Washington	63.80	65.60	-	-	-	0.03	0.09	7.86	0.14	-	-	0.01	-	0.02	0.20	0.03	2.14	7.19	20.82





Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
60010007	California	Alameda	70.10	72.70	-	-	-	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-	0.55
60050002	California	Amador	65.60	67.40	-	-	-	-	-	-	-	-	0.25	-	-	-	-	-	-	-	-	0.23
60070007	California	Butte	68.90	69.60	-	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-	-	0.50
60070008	California	Butte	58.60	59.50	-	-	-	-	-	-	-	-	0.08	-	-	-	-	-	-	-	-	0.64
60090001	California	Calaveras	68.40	70.20	-	-	-	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-	0.25
60130002	California	Contra Costa	68.50	70.70	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-	0.76
60131002	California	Contra Costa	68.00	70.20	-	-	-	-	-	-	0.01	-	0.35	-	-	-	-	-	-	-	-	0.53
60170010	California	El Dorado	73.60	74.50	-	-	-	-	-	-	-	-	0.04	-	-	-	-	-	-	-	-	0.56
60192009	California	Fresno	71.20	71.20	-	-	-	-	-	-	-	-	0.33	-	-	-	-	-	-	-	-	0.29
60250005	California	Imperial	72.10	73.40	-	-	-	-	0.01	-	0.01	-	0.20	-	-	0.26	-	-	-	-	0.06	0.03
60254003	California	Imperial	68.00	69.00	-	-	-	-	0.01	-	-	-	0.40	-	-	0.12	-	-	-	-	0.05	0.04
60254004	California	Imperial	67.10	68.70	-	-	-	-	0.01	-	-	-	0.37	-	-	0.12	-	-	-	-	0.05	0.04
60270101	California	Inyo	69.80	70.10	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	0.08
60370113	California	Los Angeles	64.00	67.00	-	-	-	-	-	-	-	-	0.13	-	-	0.01	-	-	-	-	-	0.10
60371103	California	Los Angeles	63.60	64.90	-	-	-	-	-	-	-	-	0.10	-	-	0.02	-	-	-	-	-	0.09
60371302	California	Los Angeles	56.60	56.60	-	-	-	-	-	-	-	-	0.11	-	-	0.03	-	-	-	-	-	0.12
60371602	California	Los Angeles	63.60	64.10	-	-	-	-	-	-	-	-	0.10	-	-	0.05	-	-	-	-	0.01	0.10
60374002	California	Los Angeles	56.30	56.80	-	-	-	-	-	-	-	-	0.11	-	-	0.02	-	-	-	-	-	0.14
60390004	California	Madera	74.20	75.80	-	-	-	-	-	-	-	-	0.60	-	-	-	-	-	-	-	-	0.25
60430003	California	Mariposa	73.70	74.40	-	-	-	-	-	-	-	-	0.11	-	-	-	-	-	-	-	-	0.19
60430006	California	Mariposa	70.90	71.80	-	-	-	-	-	-	-	-	0.30	-	-	-	-	-	-	-	-	0.41
60530002	California	Monterey	53.50	54.50	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	0.29
60530008	California	Monterey	55.00	56.90	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	0.29
60531003	California	Monterey	49.50	51.10	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-	-	0.41
60550003	California	Napa	57.10	59.60	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	0.52
60570005	California	Nevada	70.40	71.50	-	-	-	-	-	-	-	-	0.11	-	-	-	-	-	-	-	-	0.52
60570007	California	Nevada	68.60	70.40	-	-	-	-	-	-	-	-	0.12	-	-	-	-	-	-	-	-	0.49
60590007	California	Orange	61.10	61.40	-	-	-	-	-	-	-	-	0.17	-	-	0.02	-	-	-	-	-	0.10
60591003	California	Orange	58.60	59.30	-	-	-	-	-	-	-	-	0.08	-	-	0.04	-	-	-	-	0.01	0.10
60592022	California	Orange	66.30	68.20	-	-	-	-	-	-	-	-	0.10	-	-	0.03	-	-	-	-	-	0.15
60595001	California	Orange	67.40	68.70	-	-	-	-	-	-	-	-	0.13	-	-	0.04	-	-	-	-	-	0.10
60610004	California	Placer	67.00	67.90	-	-	-	-	-	-	-	-	0.10	-	-	-	-	-	-	-	-	0.62
60650016	California	Riverside	70.70	70.70	-	-	-	-	-	-	-	-	0.07	-	-	0.02	-	-	-	-	0.01	0.12
60659003	California	Riverside	63.70	64.70	-	-	-	-	-	-	-	-	0.13	-	-	0.09	-	-	-	-	0.02	0.03
60670002	California	Sacramento	71.00	71.30	-	-	-	-	-	-	0.01	-	0.41	-	-	-	-	-	-	-	-	0.65
60670006	California	Sacramento	72.50	74.60	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-	-	-	0.47
60670010	California	Sacramento	65.70	66.30	-	-	-	-	-	-	0.01	-	0.48	-	-	-	-	-	-	-	-	0.46
60670011	California	Sacramento	66.70	68.00	-	-	-	-	-	-	-	-	0.17	-	-	-	-	-	-	-	-	0.42
60670014	California	Sacramento	64.90	65.60	-	-	-	-	-	-	0.01	-	0.35	-	-	-	-	-	-	-	-	0.61
60690002	California	San Benito	57.90	61.70	-	-	-	-	-	-	-	-	0.11	-	-	-	-	-	-	-	-	0.50
60690003	California	San Benito	65.60	65.60	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	0.42
60710001	California	San Bernardino	72.90	73.90	-	-	-	-	-	-	-	-	0.17	-	-	0.02	-	-	-	-	0.03	0.11
60711234	California	San Bernardino	66.90	66.90	-	-	-	-	-	-	-	-	0.08	-	-	0.02	-	-	-	-	-	0.09

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
60010007	California	Alameda	70.10	72.70	-	-	-	-	-	0.01	0.07	-	-	0.15	-	-	0.02	-	3.74	3.46	22.40
60050002	California	Amador	65.60	67.40	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	1.72	5.80	24.94
60070007	California	Butte	68.90	69.60	-	-	-	-	-	-	-	-	-	0.09	-	-	-	-	1.28	6.18	30.16
60070008	California	Butte	58.60	59.50	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	0.53	4.77	27.67
60090001	California	Calaveras	68.40	70.20	-	-	-	-	-	-	-	-	-	0.03	-	-	-	-	2.73	6.13	26.17
60130002	California	Contra Costa	68.50	70.70	-	-	-	-	-	0.01	0.04	-	-	0.37	-	-	0.02	-	5.00	3.38	19.95
60131002	California	Contra Costa	68.00	70.20	-	-	-	-	-	0.01	0.08	-	-	0.11	-	-	0.03	-	2.98	4.84	21.04
60170010	California	El Dorado	73.60	74.50	-	-	-	-	-	0.01	-	-	-	0.18	-	-	-	-	1.59	5.44	25.77
60192009	California	Fresno	71.20	71.20	-	-	-	-	-	-	0.01	-	-	0.03	-	-	-	-	2.02	6.81	29.88
60250005	California	Imperial	72.10	73.40	-	-	-	-	-	0.33	0.14	-	-	0.02	-	-	0.08	0.05	10.65	4.37	37.19
60254003	California	Imperial	68.00	69.00	-	-	-	-	-	0.26	0.07	-	-	0.01	-	-	0.04	0.02	6.16	4.38	36.22
60254004	California	Imperial	67.10	68.70	-	-	-	-	-	0.25	0.07	-	-	0.01	-	-	0.04	0.02	5.25	4.37	35.26
60270101	California	Inyo	69.80	70.10	-	-	-	-	-	0.04	-	-	-	0.03	-	-	-	-	1.53	1.85	57.87
60370113	California	Los Angeles	64.00	67.00	-	-	-	-	-	0.05	0.07	-	-	0.03	-	-	0.01	0.01	5.35	2.48	20.40
60371103	California	Los Angeles	63.60	64.90	-	-	-	-	-	0.08	-	-	-	0.01	-	-	-	-	6.27	2.50	17.99
60371302	California	Los Angeles	56.60	56.60	-	-	-	-	-	0.04	0.11	-	-	0.04	-	-	0.02	0.02	8.28	1.91	20.58
60371602	California	Los Angeles	63.60	64.10	-	-	-	-	-	0.13	0.09	-	-	0.03	-	-	0.02	0.02	5.46	2.29	22.35
60374002	California	Los Angeles	56.30	56.80	-	-	-	-	-	0.04	0.08	-	-	0.04	-	-	0.01	0.02	8.64	1.91	21.27
60390004	California	Madera	74.20	75.80	-	-	-	-	-	0.01	0.25	-	-	0.05	-	-	0.02	-	2.48	7.71	26.69
60430003	California	Mariposa	73.70	74.40	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	4.47	3.98	48.48
60430006	California	Mariposa	70.90	71.80	-	-	-	-	-	-	-	-	-	0.08	-	-	-	-	2.23	6.95	33.64
60530002	California	Monterey	53.50	54.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.48	2.65	24.67
60530008	California	Monterey	55.00	56.90	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	2.33	4.83	25.51
60531003	California	Monterey	49.50	51.10	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	3.78	2.32	20.90
60550003	California	Napa	57.10	59.60	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	1.84	3.92	22.95
60570005	California	Nevada	70.40	71.50	-	-	-	-	-	0.02	-	-	-	0.14	-	-	-	-	2.67	5.58	26.86
60570007	California	Nevada	68.60	70.40	-	-	-	-	-	0.02	-	-	-	0.13	-	-	-	-	2.49	5.06	27.98
60590007	California	Orange	61.10	61.40	-	-	-	-	-	0.01	0.24	-	-	0.06	-	-	0.03	0.05	5.26	1.54	26.23
60591003	California	Orange	58.60	59.30	-	-	-	-	-	0.08	0.11	-	-	0.05	-	-	0.02	0.02	7.14	1.97	19.89
60592022	California	Orange	66.30	68.20	-	-	-	-	-	0.07	0.05	-	-	0.04	-	-	0.01	0.01	6.15	2.08	19.71
60595001	California	Orange	67.40	68.70	-	-	-	-	-	0.04	0.14	-	-	0.04	-	-	0.03	0.03	6.14	2.07	23.76
60610004	California	Placer	67.00	67.90	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	2.66	5.33	23.21
60650016	California	Riverside	70.70	70.70	-	-	-	-	-	0.05	0.01	-	-	0.05	-	-	-	-	6.30	2.66	23.04
60659003	California	Riverside	63.70	64.70	-	-	-	-	-	0.12	0.07	-	-	0.02	-	-	0.03	0.02	2.91	3.14	41.61
60670002	California	Sacramento	71.00	71.30	-	-	-	-	-	0.02	0.13	-	-	0.24	-	-	0.07	-	2.74	5.73	21.65
60670006	California	Sacramento	72.50	74.60	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	1.25	5.10	23.02
60670010	California	Sacramento	65.70	66.30	-	-	-	-	-	0.01	0.10	-	-	0.07	-	-	0.06	-	1.39	6.02	21.12
60670011	California	Sacramento	66.70	68.00	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	1.56	5.48	20.98
60670014	California	Sacramento	64.90	65.60	-	-	-	-	-	0.01	0.11	-	-	0.20	-	-	0.07	-	1.96	5.86	20.74
60690002	California	San Benito	57.90	61.70	-	-	-	-	-	0.01	0.02	-	-	0.18	-	-	-	-	3.19	3.96	22.67
60690003	California	San Benito	65.60	65.60	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	3.11	5.01	29.93
60710001	California	San Bernardino	72.90	73.90	-	-	-	-	-	0.17	0.01	-	-	0.02	-	-	0.01	-	2.62	1.92	46.91
60711234	California	San Bernardino	66.90	66.90	-	-	-	-	-	0.06	-	-	-	0.03	-	-	-	-	1.50	2.16	50.91

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
60730001	California	San Diego	62.00	63.70	-	0.65	-	22.15	0.09	-	-	-	-	-	0.02	-	-	-	0.01	-	0.01	-
60730003	California	San Diego	65.80	67.00	-	0.47	-	27.09	0.06	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-
60730006	California	San Diego	65.70	65.70	-	0.64	-	26.19	0.09	-	-	-	-	-	0.02	-	-	-	0.01	-	0.01	-
60731001	California	San Diego	60.10	61.00	-	0.43	-	20.34	0.05	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60731002	California	San Diego	63.40	64.90	-	0.47	-	31.59	0.06	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-
60731008	California	San Diego	60.70	62.90	-	0.47	-	26.55	0.06	-	-	-	-	-	0.02	-	-	-	-	-	0.01	-
60731010	California	San Diego	56.90	59.70	-	0.60	-	20.33	0.08	-	-	-	-	-	0.02	-	-	-	0.01	-	0.01	-
60731016	California	San Diego	62.80	62.80	-	0.61	-	25.03	0.09	-	-	-	-	-	0.02	-	-	-	0.01	-	0.01	-
60731201	California	San Diego	64.50	65.10	-	0.34	-	33.19	0.04	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60732007	California	San Diego	56.40	56.70	-	0.45	-	16.49	0.05	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60771002	California	San Joaquin	63.60	64.50	-	-	-	36.23	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-
60773005	California	San Joaquin	74.60	75.50	-	0.01	-	41.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60790005	California	San Luis Obispo	59.70	61.30	-	0.06	-	22.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60798001	California	San Luis Obispo	57.70	58.30	-	0.09	-	22.06	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
60798005	California	San Luis Obispo	72.20	73.10	-	0.16	-	26.87	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
60798006	California	San Luis Obispo	69.40	70.40	-	0.21	-	26.50	0.03	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60830008	California	Santa Barbara	54.70	55.90	-	0.28	-	19.08	0.03	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60830011	California	Santa Barbara	52.90	53.80	-	0.25	-	20.26	0.03	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60831014	California	Santa Barbara	62.70	64.60	-	0.39	-	22.36	0.05	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60831018	California	Santa Barbara	52.30	53.20	-	0.21	-	17.81	0.02	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60831021	California	Santa Barbara	62.60	66.60	-	0.36	-	22.47	0.05	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60831025	California	Santa Barbara	64.70	69.20	-	0.33	-	22.56	0.04	-	-	-	-	-	0.02	-	-	-	-	-	-	-
60832004	California	Santa Barbara	50.00	50.90	-	0.13	-	17.97	0.01	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60832011	California	Santa Barbara	52.50	53.80	-	0.26	-	18.88	0.03	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60833001	California	Santa Barbara	55.80	58.00	-	0.22	-	21.20	0.03	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60850002	California	Santa Clara	63.00	65.50	-	0.01	-	32.41	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-
60850005	California	Santa Clara	59.00	61.20	-	0.01	-	32.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60851001	California	Santa Clara	64.10	66.50	-	-	-	34.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60852006	California	Santa Clara	66.70	69.30	-	0.01	-	35.39	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-
60852009	California	Santa Clara	59.30	59.30	-	-	-	32.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60870007	California	Santa Cruz	50.20	52.10	-	-	-	25.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60890004	California	Shasta	55.30	59.00	-	0.01	-	20.82	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60890007	California	Shasta	61.80	63.60	-	0.01	-	26.37	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-
60890009	California	Shasta	62.60	63.50	-	0.03	-	22.55	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-
60950005	California	Solano	62.50	64.10	-	-	-	32.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60953003	California	Solano	62.80	63.70	-	-	-	30.27	-	-	-	-	-	-	0.25	-	-	-	-	-	-	-
60990005	California	Stanislaus	70.70	70.70	-	0.02	-	39.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61010003	California	Sutter	59.60	60.60	-	0.01	-	29.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61030004	California	Tehama	69.30	69.90	-	0.02	-	27.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61030005	California	Tehama	66.80	67.30	-	0.01	-	27.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61090005	California	Tuolumne	67.00	67.60	-	-	-	28.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61110007	California	Ventura	68.00	72.10	-	0.56	-	31.94	0.07	-	-	-	-	-	0.03	-	-	-	-	-	-	-
61110009	California	Ventura	69.70	72.60	-	0.55	-	29.66	0.07	-	-	-	-	-	0.02	-	-	-	-	-	-	-
61111004	California	Ventura	72.10	72.40	-	0.55	-	25.43	0.07	-	-	-	-	-	0.01	-	-	-	-	-	-	-
61113001	California	Ventura	57.70	59.90	-	0.36	-	23.47	0.04	-	-	-	-	-	0.01	-	-	-	-	-	-	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
60730001	California	San Diego	62.00	63.70	-	-	-	-	-	-	-	-	0.07	-	-	0.11	-	-	-	-	0.02	0.10
60730003	California	San Diego	65.80	67.00	-	-	-	-	-	-	-	-	0.06	-	-	0.09	-	-	-	-	0.01	0.10
60730006	California	San Diego	65.70	65.70	-	-	-	-	-	-	-	-	0.04	-	-	0.11	-	-	-	-	0.02	0.09
60731001	California	San Diego	60.10	61.00	-	-	-	-	-	-	-	-	0.07	-	-	0.07	-	-	-	-	0.01	0.16
60731002	California	San Diego	63.40	64.90	-	-	-	-	-	-	-	-	0.08	-	-	0.08	-	-	-	-	0.01	0.06
60731008	California	San Diego	60.70	62.90	-	-	-	-	-	-	-	-	0.09	-	-	0.07	-	-	-	-	0.01	0.11
60731010	California	San Diego	56.90	59.70	-	-	-	-	-	-	-	-	0.07	-	-	0.10	-	-	-	-	0.01	0.09
60731016	California	San Diego	62.80	62.80	-	-	-	-	-	-	-	-	0.04	-	-	0.11	-	-	-	-	0.01	0.09
60731201	California	San Diego	64.50	65.10	-	-	-	-	-	-	-	-	0.08	-	-	0.05	-	-	-	-	0.01	0.15
60732007	California	San Diego	56.40	56.70	-	-	-	-	-	-	-	-	0.05	-	-	0.08	-	-	-	-	0.01	0.08
60771002	California	San Joaquin	63.60	64.50	-	-	-	-	-	-	0.01	-	0.32	-	-	-	-	-	-	-	-	0.38
60773005	California	San Joaquin	74.60	75.50	-	-	-	-	-	-	-	-	0.08	-	-	-	-	-	-	-	-	0.40
60790005	California	San Luis Obispo	59.70	61.30	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	0.39
60798001	California	San Luis Obispo	57.70	58.30	-	-	-	-	-	-	-	-	0.16	-	-	0.01	-	-	-	-	-	0.31
60798005	California	San Luis Obispo	72.20	73.10	-	-	-	-	-	-	-	-	0.22	-	-	0.02	-	-	-	-	-	0.36
60798006	California	San Luis Obispo	69.40	70.40	-	-	-	-	-	-	-	-	0.24	-	-	0.03	-	-	-	-	-	0.26
60830008	California	Santa Barbara	54.70	55.90	-	-	-	-	-	-	-	-	0.14	-	-	0.03	-	-	-	-	-	0.14
60830011	California	Santa Barbara	52.90	53.80	-	-	-	-	-	-	-	-	0.12	-	-	0.03	-	-	-	-	-	0.14
60831014	California	Santa Barbara	62.70	64.60	-	-	-	-	-	-	-	-	0.15	-	-	0.06	-	-	-	-	0.01	0.13
60831018	California	Santa Barbara	52.30	53.20	-	-	-	-	-	-	-	-	0.13	-	-	0.02	-	-	-	-	-	0.16
60831021	California	Santa Barbara	62.60	66.60	-	-	-	-	-	-	-	-	0.15	-	-	0.05	-	-	-	-	-	0.14
60831025	California	Santa Barbara	64.70	69.20	-	-	-	-	-	-	-	-	0.17	-	-	0.04	-	-	-	-	-	0.16
60832004	California	Santa Barbara	50.00	50.90	-	-	-	-	-	-	-	-	0.10	-	-	0.01	-	-	-	-	-	0.15
60832011	California	Santa Barbara	52.50	53.80	-	-	-	-	-	-	-	-	0.13	-	-	0.03	-	-	-	-	-	0.13
60833001	California	Santa Barbara	55.80	58.00	-	-	-	-	-	-	-	-	0.14	-	-	0.03	-	-	-	-	-	0.11
60850002	California	Santa Clara	63.00	65.50	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-	0.59
60850005	California	Santa Clara	59.00	61.20	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	0.40
60851001	California	Santa Clara	64.10	66.50	-	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-	-	0.44
60852006	California	Santa Clara	66.70	69.30	-	-	-	-	-	-	-	-	0.21	-	-	-	-	-	-	-	-	0.53
60852009	California	Santa Clara	59.30	59.30	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-	-	0.27
60870007	California	Santa Cruz	50.20	52.10	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	0.31
60890004	California	Shasta	55.30	59.00	-	-	-	-	-	-	-	-	0.15	-	-	-	-	-	-	-	-	0.68
60890007	California	Shasta	61.80	63.60	-	-	-	-	-	-	-	-	0.15	-	-	-	-	-	-	-	-	0.90
60890009	California	Shasta	62.60	63.50	-	-	-	-	-	-	-	-	0.33	-	-	-	-	-	-	-	-	0.46
60950005	California	Solano	62.50	64.10	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	0.55
60953003	California	Solano	62.80	63.70	-	-	-	-	-	-	0.01	-	0.21	-	-	-	-	-	-	-	-	0.70
60990005	California	Stanislaus	70.70	70.70	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	0.39
61010003	California	Sutter	59.60	60.60	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	0.61
61030004	California	Tehama	69.30	69.90	-	-	-	-	-	-	-	-	0.08	-	-	-	-	-	-	-	-	0.61
61030005	California	Tehama	66.80	67.30	-	-	-	-	-	-	-	-	0.17	-	-	-	-	-	-	-	-	0.64
61090005	California	Tuolumne	67.00	67.60	-	-	-	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-	0.52
61110007	California	Ventura	68.00	72.10	-	-	-	-	-	-	-	-	0.16	-	-	0.07	-	-	-	-	0.01	0.05
61110009	California	Ventura	69.70	72.60	-	-	-	-	-	-	-	-	0.17	-	-	0.08	-	-	-	-	0.01	0.07
61111004	California	Ventura	72.10	72.40	-	-	-	-	-	-	-	-	0.19	-	-	0.09	-	-	-	-	0.01	0.11
61113001	California	Ventura	57.70	59.90	-	-	-	-	-	-	-	-	0.12	-	-	0.04	-	-	-	-	-	0.10

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
60730001	California	San Diego	62.00	63.70	-	-	-	-	-	0.15	0.11	-	-	0.04	-	-	0.04	0.03	14.58	2.03	21.66
60730003	California	San Diego	65.80	67.00	-	-	-	-	-	0.13	0.08	-	-	0.02	-	-	0.03	0.02	14.10	1.98	21.41
60730006	California	San Diego	65.70	65.70	-	-	-	-	-	0.15	0.13	-	-	0.05	-	-	0.05	0.04	12.05	2.15	23.75
60731001	California	San Diego	60.10	61.00	-	-	-	-	-	0.09	0.08	-	-	0.06	-	-	0.02	0.02	14.60	2.05	21.92
60731002	California	San Diego	63.40	64.90	-	-	-	-	-	0.10	0.09	-	-	0.02	-	-	0.03	0.03	7.74	2.34	20.55
60731008	California	San Diego	60.70	62.90	-	-	-	-	-	0.11	0.13	-	-	0.05	-	-	0.04	0.03	8.91	2.28	21.63
60731010	California	San Diego	56.90	59.70	-	-	-	-	-	0.13	0.10	-	-	0.04	-	-	0.04	0.03	13.38	1.86	19.88
60731016	California	San Diego	62.80	62.80	-	-	-	-	-	0.14	0.12	-	-	0.04	-	-	0.04	0.04	11.52	2.06	22.70
60731201	California	San Diego	64.50	65.10	-	-	-	-	-	0.06	0.07	-	-	0.05	-	-	0.02	0.02	8.88	2.43	19.00
60732007	California	San Diego	56.40	56.70	-	-	-	-	-	0.10	0.06	-	-	0.02	-	-	0.03	0.02	19.90	1.66	17.27
60771002	California	San Joaquin	63.60	64.50	-	-	-	-	-	-	0.10	-	-	0.09	-	-	0.06	-	2.79	4.51	18.87
60773005	California	San Joaquin	74.60	75.50	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	2.34	4.02	25.96
60790005	California	San Luis Obispo	59.70	61.30	-	-	-	-	-	-	0.02	-	-	0.14	-	-	-	-	2.57	5.93	28.32
60798001	California	San Luis Obispo	57.70	58.30	-	-	-	-	-	-	0.02	-	-	0.04	-	-	-	-	4.48	5.55	24.90
60798005	California	San Luis Obispo	72.20	73.10	-	-	-	-	-	-	0.04	-	-	0.04	-	-	0.01	0.01	3.63	7.81	32.92
60798006	California	San Luis Obispo	69.40	70.40	-	-	-	-	-	0.01	0.05	-	-	0.03	-	-	0.01	0.01	4.27	6.61	31.05
60830008	California	Santa Barbara	54.70	55.90	-	-	-	-	-	0.04	0.08	-	-	0.05	-	-	0.01	0.02	8.42	2.69	23.58
60830011	California	Santa Barbara	52.90	53.80	-	-	-	-	-	0.04	0.06	-	-	0.03	-	-	0.02	0.02	9.07	2.85	19.87
60831014	California	Santa Barbara	62.70	64.60	-	-	-	-	-	0.07	0.08	-	-	0.03	-	-	0.03	0.02	6.96	4.46	27.78
60831018	California	Santa Barbara	52.30	53.20	-	-	-	-	-	0.03	0.07	-	-	0.05	-	-	0.01	0.01	9.33	2.52	21.83
60831021	California	Santa Barbara	62.60	66.60	-	-	-	-	-	0.05	0.08	-	-	0.04	-	-	0.02	0.02	11.29	3.07	24.67
60831025	California	Santa Barbara	64.70	69.20	-	-	-	-	-	0.05	0.09	-	-	0.06	-	-	0.02	0.02	9.96	3.19	27.89
60832004	California	Santa Barbara	50.00	50.90	-	-	-	-	-	0.02	0.04	-	-	0.05	-	-	-	0.01	6.89	3.13	21.38
60832011	California	Santa Barbara	52.50	53.80	-	-	-	-	-	0.03	0.07	-	-	0.05	-	-	0.01	0.02	8.73	2.26	21.78
60833001	California	Santa Barbara	55.80	58.00	-	-	-	-	-	0.04	0.07	-	-	0.03	-	-	0.01	0.01	5.31	4.15	24.33
60850002	California	Santa Clara	63.00	65.50	-	-	-	-	-	0.01	0.02	-	-	0.21	-	-	-	-	3.35	3.90	22.23
60850005	California	Santa Clara	59.00	61.20	-	-	-	-	-	-	-	-	-	0.17	-	-	-	-	2.93	1.95	21.39
60851001	California	Santa Clara	64.10	66.50	-	-	-	-	-	-	-	-	-	0.05	-	-	-	-	3.09	1.79	24.07
60852006	California	Santa Clara	66.70	69.30	-	-	-	-	-	0.01	0.03	-	-	0.18	-	-	-	-	3.50	3.38	23.34
60852009	California	Santa Clara	59.30	59.30	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	3.05	1.63	21.54
60870007	California	Santa Cruz	50.20	52.10	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	3.48	1.58	19.55
60890004	California	Shasta	55.30	59.00	-	-	-	-	-	-	-	-	-	0.15	-	-	-	-	0.95	3.79	28.66
60890007	California	Shasta	61.80	63.60	-	-	-	-	-	0.01	-	-	-	0.24	-	-	-	-	0.76	5.97	27.31
60890009	California	Shasta	62.60	63.50	-	-	-	-	-	0.01	-	-	-	0.12	-	-	-	-	1.58	4.64	32.80
60950005	California	Solano	62.50	64.10	-	-	-	-	-	-	-	-	-	0.16	-	-	-	-	2.25	4.14	22.43
60953003	California	Solano	62.80	63.70	-	-	-	-	-	-	0.06	-	-	0.12	-	-	0.05	-	2.10	5.71	23.24
60990005	California	Stanislaus	70.70	70.70	-	-	-	-	-	-	-	-	-	0.06	-	-	-	-	2.87	4.53	23.09
61010003	California	Sutter	59.60	60.60	-	-	-	-	-	0.01	-	-	-	0.10	-	-	-	-	1.38	5.02	22.81
61030004	California	Tehama	69.30	69.90	-	-	-	-	-	-	-	-	-	0.15	-	-	-	-	1.60	7.51	32.13
61030005	California	Tehama	66.80	67.30	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	1.52	7.10	29.37
61090005	California	Tuolumne	67.00	67.60	-	-	-	-	-	-	-	-	-	0.08	-	-	-	-	3.52	5.72	27.88
61110007	California	Ventura	68.00	72.10	-	-	-	-	-	0.09	0.16	-	-	0.04	-	-	0.04	0.04	6.54	2.42	25.66
61110009	California	Ventura	69.70	72.60	-	-	-	-	-	0.07	0.11	-	-	0.02	-	-	0.03	0.03	6.78	3.42	28.49
61111004	California	Ventura	72.10	72.40	-	-	-	-	-	0.10	0.10	-	-	0.03	-	-	0.03	0.03	9.05	3.75	32.41
61113001	California	Ventura	57.70	59.90	-	-	-	-	-	0.05	0.09	-	-	0.04	-	-	0.02	0.02	9.57	2.42	21.23

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
80013001	Colorado	Adams	70.10	70.10	0.01	0.33	0.05	0.74	28.00	-	-	-	0.01	0.01	0.07	-	-	-	0.29	-	0.06	-
80050002	Colorado	Arapahoe	72.30	74.40	-	0.25	-	1.09	25.65	-	-	-	-	-	0.32	-	-	-	0.24	-	-	-
80050006	Colorado	Arapahoe	66.70	67.20	-	0.25	-	1.21	13.44	-	-	-	-	-	0.05	-	-	-	0.28	-	-	-
80130011	Colorado	Boulder	66.40	68.40	0.01	0.67	-	0.68	18.88	-	-	-	-	-	0.05	-	-	0.01	0.12	-	0.03	-
80310014	Colorado	Denver	65.50	67.40	0.01	0.31	0.04	0.69	26.16	-	-	-	-	0.01	0.07	-	-	-	0.27	-	0.06	-
80310025	Colorado	Denver	62.00	62.00	-	0.21	0.03	0.73	23.35	-	-	-	-	-	0.24	-	-	-	0.19	-	0.02	-
80410013	Colorado	El Paso	66.40	69.20	-	0.46	-	0.29	3.98	-	-	-	-	-	0.05	0.01	-	0.01	0.01	-	-	-
80410016	Colorado	El Paso	68.20	69.40	-	0.31	-	0.34	5.55	-	-	-	-	-	0.06	0.01	-	0.01	0.09	-	-	-
80450012	Colorado	Garfield	63.60	64.60	-	0.52	-	2.50	10.62	-	-	-	-	-	0.06	-	-	-	-	-	0.02	-
80590002	Colorado	Jefferson	67.80	67.80	0.01	0.30	0.02	1.65	24.04	-	-	-	-	-	0.18	-	-	-	0.07	-	0.04	-
80590005	Colorado	Jefferson	69.80	71.90	0.01	0.25	0.02	0.86	25.92	-	-	-	-	-	0.18	-	-	-	0.40	-	0.03	-
80590006	Colorado	Jefferson	73.00	75.50	0.01	0.67	-	1.95	25.27	-	-	-	-	-	0.06	0.27	-	-	0.06	-	0.04	-
80590011	Colorado	Jefferson	72.10	75.10	0.01	0.32	0.03	1.75	25.56	-	-	-	-	-	0.20	-	-	-	0.08	-	0.05	-
80590013	Colorado	Jefferson	68.50	68.90	-	0.24	-	1.15	23.75	-	-	-	-	-	0.21	-	-	-	0.33	-	-	-
80671004	Colorado	La Plata	68.40	69.40	0.01	0.69	-	1.78	1.60	-	-	-	-	-	0.02	-	-	-	0.02	-	0.07	-
80677001	Colorado	La Plata	64.90	65.10	0.01	0.48	-	1.45	1.99	-	-	-	-	-	0.05	-	-	-	0.01	-	0.04	-
80690007	Colorado	Larimer	68.50	69.70	-	0.46	-	0.77	13.43	-	-	-	-	-	0.09	-	-	-	0.05	-	-	-
80690011	Colorado	Larimer	71.50	73.30	-	0.57	-	0.96	22.10	-	-	-	-	-	0.02	-	-	-	0.17	-	0.03	-
80690012	Colorado	Larimer	64.50	64.50	0.01	0.45	-	1.52	18.08	-	-	-	-	-	0.12	-	-	-	0.13	-	0.04	-
80691004	Colorado	Larimer	63.20	66.20	0.01	0.35	0.02	0.86	20.95	-	-	-	-	0.01	0.11	-	-	-	0.14	-	0.04	-
80770020	Colorado	Mesa	65.10	66.00	-	0.38	-	1.84	8.32	-	-	-	-	-	0.08	-	-	-	0.01	-	0.01	-
80830006	Colorado	Montezuma	62.40	63.10	0.01	1.20	0.01	2.07	1.46	-	-	-	-	-	0.03	-	-	-	0.02	-	0.04	-
80830101	Colorado	Montezuma	61.70	62.30	-	1.07	0.01	2.05	1.67	-	-	-	-	-	0.03	-	-	-	0.01	-	0.03	-
81030005	Colorado	Rio Blanco	61.80	62.30	-	0.14	-	1.96	5.97	-	-	-	-	-	0.05	-	-	-	-	-	0.01	-
81230009	Colorado	Weld	69.60	70.80	0.01	0.48	0.02	0.40	28.89	-	-	-	-	-	0.02	-	-	-	0.13	-	0.04	-
90011123	Connecticut	Fairfield	71.60	73.10	0.40	0.05	0.24	0.05	0.11	2.46	0.55	0.11	0.10	0.39	0.01	0.58	0.98	0.10	0.16	0.77	0.16	0.01
90031003	Connecticut	Hartford	66.40	67.50	0.10	0.03	0.14	0.04	0.07	5.03	0.50	0.07	0.04	0.13	0.01	0.56	0.96	0.21	0.18	0.77	0.09	0.02
90050005	Connecticut	Litchfield	62.00	62.60	0.22	0.04	0.09	0.06	0.09	2.35	0.44	0.07	0.13	0.23	0.01	0.38	0.63	0.09	0.14	0.51	0.14	0.04
90070007	Connecticut	Middlesex	69.90	71.40	0.15	0.02	0.21	0.02	0.08	6.43	0.41	0.07	0.03	0.19	0.01	0.70	1.05	0.22	0.20	0.87	0.07	-
90090027	Connecticut	New Haven	67.70	71.10	0.14	0.03	0.15	0.03	0.10	5.52	0.33	0.05	0.02	0.19	0.01	0.43	0.63	0.09	0.18	0.40	0.06	-
90110124	Connecticut	New London	71.10	74.40	0.14	0.04	0.17	0.05	0.11	7.86	0.47	0.04	0.06	0.16	0.03	0.71	0.91	0.20	0.26	0.52	0.12	-
90131001	Connecticut	Tolland	66.60	68.10	0.25	0.05	0.25	0.05	0.12	8.02	0.43	0.05	0.06	0.24	0.01	0.49	0.92	0.08	0.19	0.53	0.14	0.02
100010002	Delaware	Kent	64.30	67.50	0.46	0.08	0.37	0.10	0.17	-	1.77	0.51	0.08	0.29	0.02	0.81	2.41	0.23	0.37	2.48	0.56	-
100031007	Delaware	New Castle	64.90	68.10	0.25	0.07	0.21	0.09	0.15	0.01	0.43	0.60	0.13	0.37	0.03	0.72	1.39	0.25	0.41	1.18	0.23	-
100031010	Delaware	New Castle	68.10	68.10	0.43	0.10	0.24	0.12	0.18	0.03	1.91	0.25	0.14	0.36	0.05	0.80	1.46	0.26	0.39	1.17	0.33	-
100031013	Delaware	New Castle	67.40	69.40	0.41	0.09	0.16	0.12	0.14	0.03	2.97	0.44	0.14	0.36	0.03	0.49	0.93	0.16	0.19	1.18	0.26	-
100032004	Delaware	New Castle	65.10	65.10	0.40	0.08	0.15	0.11	0.14	0.03	2.87	0.42	0.14	0.35	0.03	0.48	0.90	0.15	0.18	1.14	0.25	-
100051002	Delaware	Sussex	66.30	69.40	0.32	0.08	0.31	0.12	0.22	-	0.66	0.99	0.08	0.24	0.04	0.87	2.14	0.19	0.40	2.69	0.46	-
100051003	Delaware	Sussex	68.60	71.50	0.37	0.05	0.09	0.07	0.11	0.09	7.12	0.33	0.09	0.33	0.01	0.31	0.73	0.09	0.13	1.34	0.42	-
110010041	District Of Columbia	District of Columbia	65.00	68.40	0.26	0.04	0.14	0.05	0.11	-	0.04	4.30	0.06	0.12	0.02	0.49	1.29	0.13	0.27	0.89	0.14	-
110010043	District Of Columbia	District of Columbia	69.00	71.80	0.28	0.05	0.15	0.05	0.12	-	0.04	4.56	0.06	0.12	0.02	0.52	1.37	0.14	0.28	0.95	0.15	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
80013001	Colorado	Adams	70.10	70.10	-	-	-	-	0.02	0.04	-	0.40	0.24	-	-	0.64	-	-	-	-	0.23	0.04
80050002	Colorado	Arapahoe	72.30	74.40	-	-	-	-	-	0.01	0.02	0.35	0.41	-	-	0.07	-	-	-	-	0.09	0.15
80050006	Colorado	Arapahoe	66.70	67.20	-	-	-	-	-	-	-	0.15	0.39	-	-	0.08	-	-	-	-	0.02	0.04
80130011	Colorado	Boulder	66.40	68.40	-	-	-	-	0.01	-	0.04	0.27	0.23	-	-	0.73	-	-	-	-	0.04	0.03
80310014	Colorado	Denver	65.50	67.40	-	-	-	-	0.02	0.03	-	0.38	0.22	-	-	0.59	-	-	-	-	0.21	0.04
80310025	Colorado	Denver	62.00	62.00	-	-	-	-	0.01	0.02	0.01	0.27	0.28	-	-	0.28	-	-	-	-	0.14	0.11
80410013	Colorado	El Paso	66.40	69.20	-	-	-	0.01	-	0.01	0.03	0.01	0.06	-	-	0.43	-	-	0.02	-	0.01	0.04
80410016	Colorado	El Paso	68.20	69.40	-	-	-	0.01	-	0.01	0.03	0.07	0.12	-	-	0.30	-	-	0.02	-	0.04	0.05
80450012	Colorado	Garfield	63.60	64.60	-	-	-	-	-	-	-	-	0.39	-	-	0.21	-	-	-	-	0.02	0.03
80590002	Colorado	Jefferson	67.80	67.80	-	-	-	-	0.01	0.01	0.01	0.07	0.38	-	-	0.45	-	-	-	-	0.09	0.08
80590005	Colorado	Jefferson	69.80	71.90	-	-	-	-	0.01	0.02	0.02	0.47	0.36	-	-	0.24	-	-	0.03	-	0.16	0.09
80590006	Colorado	Jefferson	73.00	75.50	-	-	-	-	0.01	-	0.04	0.24	0.40	-	-	0.95	-	-	-	-	0.03	0.04
80590011	Colorado	Jefferson	72.10	75.10	-	-	-	-	0.01	0.01	0.01	0.07	0.40	-	-	0.47	-	-	-	-	0.09	0.09
80590013	Colorado	Jefferson	68.50	68.90	-	-	-	-	-	0.01	0.01	0.37	0.46	-	-	0.10	-	-	-	-	0.09	0.11
80671004	Colorado	La Plata	68.40	69.40	-	-	-	-	0.02	-	-	-	0.40	-	-	3.57	-	-	-	-	0.04	0.04
80677001	Colorado	La Plata	64.90	65.10	-	-	-	-	0.01	-	-	-	0.26	-	-	4.03	-	-	-	-	0.01	0.04
80690007	Colorado	Larimer	68.50	69.70	-	-	-	-	-	-	0.05	0.21	0.28	-	-	0.24	-	-	-	-	0.01	0.13
80690011	Colorado	Larimer	71.50	73.30	-	-	-	-	-	-	-	0.09	0.17	-	-	0.76	-	-	-	-	0.05	0.02
80690012	Colorado	Larimer	64.50	64.50	-	-	-	-	0.01	-	0.12	0.49	0.42	-	-	0.60	-	-	-	-	0.05	0.07
80691004	Colorado	Larimer	63.20	66.20	-	-	-	-	0.01	0.01	0.12	0.27	0.21	-	-	0.65	-	-	-	-	0.12	0.06
80770020	Colorado	Mesa	65.10	66.00	-	-	-	-	-	-	-	-	0.40	-	-	0.31	-	-	-	-	0.01	0.06
80830006	Colorado	Montezuma	62.40	63.10	-	-	-	-	0.01	-	0.01	-	0.31	-	-	4.97	-	-	-	-	0.05	0.04
80830101	Colorado	Montezuma	61.70	62.30	-	-	-	-	-	-	-	-	0.24	-	-	6.57	-	-	-	-	0.02	0.04
81030005	Colorado	Rio Blanco	61.80	62.30	-	-	-	-	-	-	-	-	0.37	-	-	0.04	-	-	-	-	-	0.09
81230009	Colorado	Weld	69.60	70.80	-	-	-	-	0.01	0.01	-	0.03	0.13	-	-	1.07	-	-	-	-	0.10	0.02
90011123	Connecticut	Fairfield	71.60	73.10	2.80	0.11	0.78	0.13	0.18	0.35	0.03	0.07	0.01	0.01	7.02	0.11	12.16	0.33	0.05	2.07	0.22	-
90031003	Connecticut	Hartford	66.40	67.50	2.44	0.22	0.78	0.16	0.05	0.50	0.02	0.08	0.01	0.03	4.96	0.07	10.22	0.35	0.05	1.97	0.20	-
90050005	Connecticut	Litchfield	62.00	62.60	2.21	0.22	0.68	0.06	0.06	0.21	0.03	0.06	0.01	0.05	5.67	0.10	9.55	0.70	0.02	1.87	0.23	-
90070007	Connecticut	Middlesex	69.90	71.40	2.09	0.04	0.69	0.18	0.09	0.55	0.03	0.08	-	-	4.60	0.06	13.12	0.56	0.05	1.60	0.22	-
90090027	Connecticut	New Haven	67.70	71.10	1.81	0.07	0.83	0.09	0.08	0.30	0.02	0.08	0.01	0.01	5.29	0.07	13.77	0.52	0.03	1.65	0.22	-
90110124	Connecticut	New London	71.10	74.40	1.31	0.18	0.88	0.13	0.08	0.55	0.04	0.12	0.01	0.03	5.10	0.07	15.81	0.38	0.09	1.67	0.42	0.01
90131001	Connecticut	Tolland	66.60	68.10	2.04	0.27	0.83	0.09	0.12	0.38	0.02	0.06	0.01	0.03	3.69	0.11	8.99	0.28	0.03	2.22	0.28	-
100010002	Delaware	Kent	64.30	67.50	11.58	-	0.46	0.07	0.26	0.95	0.04	0.16	0.02	-	1.45	0.21	0.22	0.40	0.04	4.39	0.53	0.01
100031007	Delaware	New Castle	64.90	68.10	15.39	-	0.89	0.10	0.09	0.91	0.05	0.23	0.02	-	0.13	0.14	0.25	0.34	0.08	3.12	0.56	0.02
100031010	Delaware	New Castle	68.10	68.10	6.95	0.01	1.17	0.09	0.16	0.86	0.05	0.24	0.03	-	0.69	0.21	0.93	0.22	0.07	3.64	0.57	0.01
100031013	Delaware	New Castle	67.40	69.40	10.63	0.01	0.49	0.09	0.13	0.56	0.04	0.10	0.02	-	0.85	0.18	1.12	0.28	0.05	3.12	0.32	0.02
100032004	Delaware	New Castle	65.10	65.10	10.26	0.01	0.47	0.09	0.12	0.54	0.03	0.10	0.02	-	0.82	0.18	1.08	0.27	0.04	3.01	0.31	0.02
100051002	Delaware	Sussex	66.30	69.40	14.32	-	0.47	0.09	0.18	0.68	0.05	0.21	0.03	-	-	0.24	0.01	0.41	0.05	3.50	0.59	0.02
100051003	Delaware	Sussex	68.60	71.50	7.92	0.09	0.33	0.04	0.15	0.34	0.02	0.06	0.01	0.01	3.27	0.15	0.63	2.18	0.01	2.34	0.21	0.01
110010041	District Of Columbia	District of Columbia	65.00	68.40	10.33	0.01	0.68	0.08	0.07	0.59	0.04	0.12	0.01	-	0.06	0.10	0.24	1.18	0.03	3.37	0.36	0.01
110010043	District Of Columbia	District of Columbia	69.00	71.80	10.96	0.01	0.72	0.08	0.07	0.62	0.04	0.13	0.01	-	0.07	0.11	0.26	1.25	0.03	3.58	0.38	0.01



Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY	
80013001	Colorado	Adams	70.10	70.10	-	-	-	0.01	0.01	1.29	0.94	-	-	-	-	-	0.68	0.27	0.97	5.56	29.01	
80050002	Colorado	Arapahoe	72.30	74.40	-	-	-	0.01	-	0.12	1.50	-	-	0.05	-	-	1.30	0.22	0.51	3.92	35.88	
80050006	Colorado	Arapahoe	66.70	67.20	-	-	-	-	-	0.06	1.86	-	-	0.01	-	-	0.36	0.23	0.42	3.43	44.33	
80130011	Colorado	Boulder	66.40	68.40	-	-	-	0.02	-	0.41	0.65	-	-	0.03	-	-	0.62	0.34	2.12	4.17	36.05	
80310014	Colorado	Denver	65.50	67.40	-	-	-	-	0.01	1.21	0.87	-	-	-	-	-	0.63	0.25	0.91	5.20	27.11	
80310025	Colorado	Denver	62.00	62.00	-	-	-	0.01	-	0.68	1.01	-	-	0.03	-	-	0.97	0.17	0.58	3.65	28.84	
80410013	Colorado	El Paso	66.40	69.20	-	-	-	-	-	0.10	0.05	-	-	0.06	-	-	0.22	0.23	1.83	1.26	57.06	
80410016	Colorado	El Paso	68.20	69.40	-	-	-	0.01	-	0.21	0.22	-	-	0.06	-	-	0.51	0.21	0.64	2.09	57.08	
80450012	Colorado	Garfield	63.60	64.60	-	-	-	-	-	0.12	2.06	-	-	0.02	-	-	0.16	0.58	0.99	2.47	42.70	
80590002	Colorado	Jefferson	67.80	67.80	-	-	-	-	-	0.81	1.01	-	-	0.03	-	-	0.64	0.28	0.80	3.67	32.98	
80590005	Colorado	Jefferson	69.80	71.90	-	-	-	0.04	-	0.62	1.41	-	-	0.03	-	-	1.05	0.18	0.81	4.30	32.11	
80590006	Colorado	Jefferson	73.00	75.50	-	-	-	0.01	-	0.42	0.92	-	-	0.03	-	-	0.70	0.43	1.21	4.75	34.59	
80590011	Colorado	Jefferson	72.10	75.10	-	-	-	-	0.01	0.86	1.07	-	-	0.03	-	-	0.68	0.30	0.86	3.91	35.07	
80590013	Colorado	Jefferson	68.50	68.90	-	-	-	0.03	-	0.20	1.46	-	-	0.03	-	-	1.26	0.18	0.51	3.80	34.07	
80671004	Colorado	La Plata	68.40	69.40	-	-	-	-	-	0.55	0.53	-	-	0.05	-	-	0.04	1.65	1.49	2.31	53.35	
80677001	Colorado	La Plata	64.90	65.10	-	-	-	-	-	0.38	0.65	-	-	0.05	-	-	0.03	2.26	1.11	1.79	50.13	
80690007	Colorado	Larimer	68.50	69.70	-	-	-	0.01	-	0.06	0.79	-	-	0.15	-	-	0.90	0.19	1.52	2.65	46.38	
80690011	Colorado	Larimer	71.50	73.30	-	-	-	-	-	0.46	0.74	-	-	0.01	-	-	0.11	0.43	1.83	4.70	38.12	
80690012	Colorado	Larimer	64.50	64.50	-	-	-	0.07	-	0.56	0.81	-	-	0.08	-	-	1.10	0.39	2.42	6.81	29.97	
80691004	Colorado	Larimer	63.20	66.20	-	-	-	0.06	-	0.97	0.68	-	-	0.08	-	-	1.00	0.25	2.42	6.12	27.51	
80770020	Colorado	Mesa	65.10	66.00	-	-	-	-	-	0.12	2.03	-	-	0.09	-	-	0.24	0.45	0.76	2.47	47.39	
80830006	Colorado	Montezuma	62.40	63.10	-	-	-	-	-	0.46	0.42	-	-	0.06	-	-	0.03	2.14	2.19	2.95	43.78	
80830101	Colorado	Montezuma	61.70	62.30	-	-	-	-	-	0.30	0.33	-	-	0.06	-	-	0.02	2.59	2.05	2.84	41.66	
81030005	Colorado	Rio Blanco	61.80	62.30	-	-	-	-	-	0.02	2.72	-	-	0.06	-	-	0.09	0.62	0.50	2.01	47.02	
81230009	Colorado	Weld	69.60	70.80	-	-	-	-	-	0.85	0.42	-	-	0.01	-	-	0.39	0.25	2.33	5.50	28.32	
90011123	Connecticut	Fairfield	71.60	73.10	9.54	0.02	0.10	0.03	0.50	0.57	0.03	0.01	2.20	0.01	1.13	0.19	0.07	0.01	3.37	4.12	15.78	
90031003	Connecticut	Hartford	66.40	67.50	7.29	0.04	0.08	0.03	0.17	0.40	0.03	0.02	1.74	-	0.98	0.21	0.06	0.01	4.47	3.33	16.18	
90050005	Connecticut	Litchfield	62.00	62.60	8.06	0.04	0.07	0.02	0.23	0.54	0.04	0.02	2.11	0.01	0.79	0.13	0.07	0.01	3.13	3.10	15.95	
90070007	Connecticut	Middlesex	69.90	71.40	6.86	0.01	0.16	0.04	0.31	0.36	0.02	-	2.06	0.01	0.92	0.21	0.07	0.01	4.43	3.76	15.70	
90090027	Connecticut	New Haven	67.70	71.10	8.17	0.01	0.14	0.02	0.26	0.39	0.04	-	1.54	0.01	0.76	0.14	0.11	0.01	3.77	3.40	15.47	
90110124	Connecticut	New London	71.10	74.40	5.72	0.07	0.09	0.05	0.21	0.64	0.05	0.01	1.26	0.02	0.56	0.19	0.15	0.01	6.89	4.17	12.02	
90131001	Connecticut	Tolland	66.60	68.10	7.07	0.05	0.08	0.02	0.43	0.59	0.04	0.02	1.21	-	0.54	0.17	0.07	0.01	4.44	3.71	16.57	
100010002	Delaware	Kent	64.30	67.50	4.94	-	0.11	0.05	0.69	1.18	0.08	-	2.83	0.01	2.37	0.12	0.17	0.03	1.93	5.83	12.23	
100031007	Delaware	New Castle	64.90	68.10	5.40	-	0.06	0.09	0.27	1.05	0.09	-	4.94	0.03	2.50	0.16	0.22	0.02	1.58	5.26	14.17	
100031010	Delaware	New Castle	68.10	68.10	14.83	-	0.05	0.12	0.38	1.25	0.10	-	2.31	0.02	1.99	0.18	0.23	0.03	1.83	5.82	14.60	
100031013	Delaware	New Castle	67.40	69.40	9.51	-	0.05	0.03	0.36	0.92	0.08	-	3.98	0.02	2.45	0.15	0.18	0.02	2.07	4.85	16.35	
100032004	Delaware	New Castle	65.10	65.10	9.19	-	0.05	0.03	0.35	0.89	0.07	-	3.85	0.02	2.37	0.15	0.18	0.02	2.00	4.69	15.79	
100051002	Delaware	Sussex	66.30	69.40	3.96	-	0.07	0.07	0.64	1.28	0.09	-	4.61	0.02	3.01	0.19	0.23	0.03	1.10	6.20	13.92	
100051003	Delaware	Sussex	68.60	71.50	7.58	0.02	0.33	0.02	0.25	0.66	0.06	0.01	4.06	0.01	1.99	0.06	0.13	0.02	4.98	4.39	14.29	
110010041	District Of Columbia	District of Columbia	65.00	68.40	5.16	-	0.14	0.04	0.23	0.62	0.05	-	10.68	0.01	2.02	0.15	0.12	0.01	1.83	3.70	14.33	
110010043	District Of Columbia	District of Columbia	69.00	71.80	5.48	-	0.15	0.04	0.25	0.66	0.05	-	11.34	0.01	2.15	0.16	0.13	0.01	1.95	3.93	15.22	



Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
120013011	Florida	Alachua	55.70	56.80	0.07	-	0.21	0.14	0.47	0.28	0.05	0.12	0.01	-	0.01	0.07	0.03	0.65	0.06	0.13	0.17	0.01
120030002	Florida	Baker	54.80	55.90	0.21	0.09	0.23	0.06	0.15	0.23	0.04	0.06	0.01	0.02	0.17	0.06	0.26	1.89	0.04	0.36	0.18	0.01
120050006	Florida	Bay	57.90	58.70	-	-	0.46	0.19	1.68	0.32	0.03	0.09	0.01	-	-	0.02	0.02	0.12	0.04	0.45	0.32	0.01
120090007	Florida	Brevard	56.60	56.60	0.01	-	0.03	0.02	0.48	0.17	0.01	0.04	0.01	-	-	0.14	-	0.28	0.01	0.06	0.15	-
120094001	Florida	Brevard	57.00	57.90	0.03	-	0.03	0.02	0.53	0.13	0.01	0.04	0.01	-	-	0.09	0.01	0.35	0.01	0.07	0.13	-
120110033	Florida	Broward	54.90	55.80	0.01	-	0.04	0.03	0.26	0.13	0.01	0.05	0.01	-	0.01	0.17	0.02	0.39	0.01	0.06	0.12	-
120112003	Florida	Broward	54.00	54.70	-	-	0.01	0.01	0.28	0.11	0.01	0.02	0.01	-	-	0.10	-	0.05	-	0.01	0.14	-
120118002	Florida	Broward	55.90	56.60	-	-	0.02	0.03	0.25	0.10	0.01	0.03	0.01	-	-	0.09	0.01	0.13	-	0.03	0.12	-
120210004	Florida	Collier	53.60	54.00	0.01	-	0.06	0.09	0.31	0.18	0.01	0.07	0.02	-	-	0.20	0.02	0.36	0.01	0.04	0.21	-
120230002	Florida	Columbia	55.00	56.20	0.22	0.08	0.28	0.12	0.15	0.22	0.06	0.09	0.01	0.01	0.17	0.03	0.26	1.83	0.08	0.29	0.09	0.02
120310077	Florida	Duval	55.50	57.90	0.04	-	0.16	0.09	0.31	0.25	0.06	0.11	0.02	-	-	0.11	0.01	0.82	0.05	0.21	0.22	0.02
120310100	Florida	Duval	56.50	58.80	-	-	0.15	0.09	0.52	0.31	0.05	0.12	0.02	-	-	0.09	-	0.52	0.05	0.19	0.25	0.01
120310106	Florida	Duval	55.60	56.50	0.11	-	0.14	0.05	0.18	0.10	0.02	0.04	0.02	-	-	0.12	0.03	1.14	0.02	0.27	0.09	-
120330004	Florida	Escambia	60.00	61.10	0.01	-	0.26	0.07	2.02	0.31	0.05	0.08	0.02	-	-	0.05	0.02	0.23	0.03	0.33	0.22	0.01
120330018	Florida	Escambia	62.70	63.60	0.01	-	0.07	0.11	3.19	0.40	0.02	0.04	0.02	-	-	0.07	0.01	0.07	0.02	0.06	0.37	-
120570081	Florida	Hillsborough	64.90	66.00	0.01	-	0.09	0.07	0.27	0.14	-	0.02	0.01	-	0.01	0.04	0.03	0.05	0.01	0.02	0.08	-
120571035	Florida	Hillsborough	61.50	62.20	-	-	0.02	-	0.17	0.06	-	0.02	0.03	-	-	0.25	-	0.03	-	0.01	0.06	-
120571065	Florida	Hillsborough	64.20	65.30	-	-	0.03	0.05	0.48	0.15	0.01	0.03	0.01	-	-	0.13	-	0.01	0.01	0.01	0.08	-
120573002	Florida	Hillsborough	63.20	63.60	0.01	-	0.05	0.04	0.28	0.10	-	0.04	0.02	-	0.01	0.17	0.02	0.13	-	0.02	0.11	-
120619991	Florida	Indian River	57.70	57.70	0.02	-	0.03	0.01	0.44	0.16	0.01	0.05	0.03	-	0.01	0.17	0.02	0.32	0.01	0.06	0.15	0.01
120690002	Florida	Lake	57.60	57.90	-	-	0.03	0.03	0.41	0.12	0.01	0.03	0.01	-	-	0.16	-	0.20	0.01	0.05	0.10	0.01
120712002	Florida	Lee	56.90	57.10	0.01	-	0.03	0.04	0.32	0.14	0.01	0.05	0.04	-	-	0.29	0.01	0.27	0.01	0.03	0.15	-
120713002	Florida	Lee	54.20	54.80	-	-	0.03	0.03	0.26	0.11	0.01	0.04	0.01	-	-	0.23	-	0.16	-	0.02	0.13	-
120730012	Florida	Leon	53.30	54.70	0.03	-	0.13	0.09	0.68	0.38	0.04	0.11	0.01	-	-	0.07	-	0.51	0.04	0.19	0.34	0.01
120730013	Florida	Leon	52.90	53.80	0.01	-	0.55	0.10	0.54	0.28	0.04	0.14	0.01	-	-	0.05	0.02	0.21	0.05	0.56	0.27	0.01
120813002	Florida	Manatee	56.90	57.80	0.01	-	0.11	0.08	0.21	0.16	-	0.03	-	-	0.01	0.08	0.04	0.08	0.01	0.03	0.08	-
120814012	Florida	Manatee	59.40	59.40	0.05	-	0.12	0.09	0.21	0.19	0.01	0.07	0.02	-	0.02	0.19	0.05	0.36	0.01	0.07	0.14	-
120830003	Florida	Marion	56.80	57.60	-	-	0.03	0.04	0.30	0.11	0.01	0.04	0.03	-	-	0.31	0.01	0.08	0.01	0.02	0.06	-
120830004	Florida	Marion	53.70	54.60	-	-	0.06	0.08	0.36	0.20	0.04	0.08	0.03	-	-	0.26	-	0.08	0.05	0.01	0.07	0.01
120860027	Florida	Miami-Dade	61.10	62.00	0.01	-	0.05	0.05	0.17	0.13	0.01	0.04	0.01	-	0.01	0.05	0.02	0.25	-	0.05	0.19	-
120860029	Florida	Miami-Dade	59.40	60.10	0.01	-	0.05	0.06	0.20	0.12	0.01	0.04	-	-	0.01	0.11	0.02	0.28	0.01	0.05	0.15	-
120910002	Florida	Okaloosa	56.70	57.50	0.03	-	0.28	0.06	2.68	0.11	0.03	0.06	0.01	-	0.01	0.05	0.04	0.39	0.03	0.37	0.12	0.01
120950008	Florida	Orange	62.60	63.40	0.05	-	0.07	0.05	0.35	0.12	0.02	0.04	0.01	-	-	0.13	0.01	0.51	0.01	0.10	0.10	-
120952002	Florida	Orange	63.70	64.80	0.06	-	0.07	0.03	0.24	0.09	0.02	0.04	0.02	-	-	0.15	0.01	0.50	0.01	0.11	0.10	0.01
120972002	Florida	Osceola	57.20	57.20	-	-	0.02	0.03	0.43	0.14	0.01	0.05	0.04	-	-	0.27	-	0.24	0.01	0.04	0.10	0.01
120990009	Florida	Palm Beach	58.40	58.60	0.01	-	0.02	0.02	0.30	0.11	0.01	0.04	0.01	-	0.01	0.18	0.01	0.26	0.01	0.04	0.10	-
120990020	Florida	Palm Beach	57.30	57.60	0.01	-	0.03	0.02	0.32	0.13	0.02	0.04	0.01	-	0.01	0.22	0.01	0.26	0.01	0.05	0.11	-
121010005	Florida	Pasco	58.10	58.40	-	-	0.02	-	0.16	0.08	0.01	0.04	0.03	-	-	0.22	0.01	0.17	-	0.02	0.07	0.01
121012001	Florida	Pasco	58.90	60.50	-	-	0.03	0.01	0.15	0.07	0.01	0.02	0.03	-	-	0.23	0.01	0.13	-	0.02	0.05	0.01
121030004	Florida	Pinellas	60.80	61.10	-	-	0.04	0.06	0.22	0.12	0.01	0.04	0.01	-	-	0.10	0.01	0.08	0.01	0.02	0.15	-
121030018	Florida	Pinellas	59.50	60.20	-	-	0.04	0.06	0.21	0.11	-	0.04	0.01	-	-	0.09	0.01	0.08	0.01	0.02	0.14	-
121035002	Florida	Pinellas	58.70	59.30	-	-	0.03	0.01	0.15	0.06	-	0.02	0.03	-	-	0.23	0.01	0.11	-	0.01	0.05	0.01
121056005	Florida	Polk	58.80	59.40	-	-	0.01	-	0.19	0.11	0.01	0.05	0.05	-	-	0.36	-	0.24	-	0.02	0.12	0.01
121056006	Florida	Polk	59.80	60.40	-	-	0.02	0.01	0.36	0.13	0.01	0.05	0.03	-	-	0.26	-	0.27	-	0.04	0.15	0.01
121130015	Florida	Santa Rosa	61.80	63.80	0.01	-	0.42	0.03	2.57	0.14	0.02	0.04	0.01	-	-	0.06	0.02	0.14	0.01	0.75	0.31	0.01
121151005	Florida	Sarasota	62.30	62.90	0.05	-	0.12	0.09	0.32	0.21	0.01	0.07	0.02	-	0.02	0.17	0.05	0.40	0.01	0.08	0.20	-
121151006	Florida	Sarasota	59.20	59.40	0.04	-	0.08	0.05	0.46	0.19	0.01	0.05	0.02	-	0.01	0.18	0.03	0.31	0.01	0.06	0.12	-
121152002	Florida	Sarasota	57.50	58.40	0.03	-	0.06	0.04	0.27	0.14	0.01	0.05	0.02	-	0.01	0.16	0.03	0.30	0.01	0.05	0.07	-
121171002	Florida	Seminole	59.20	60.70	0.05	-	0.08	0.06	0.30	0.12	0.01	0.04	-	-	-	0.07	0.01	0.50	0.01	0.10	0.14	-
121272001	Florida	Volusia	51.70	51.90	0.01	-	0.06	0.05	0.42	0.21	0.05	0.07	0.02	-	-	0.14	-	0.24	0.05	0.08	0.13	0.01
121275002	Florida	Volusia	55.00	55.60	0.01	-	0.13	0.06	0.65	0.36	0.06	0.10	0.03	-	-	0.18	-	0.60	0.05	0.19	0.27	0.02

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
120013011	Florida	Alachua	55.70	56.80	0.16	-	0.59	0.06	0.56	0.41	0.04	-	0.30	0.03	0.16	0.19	0.11	0.02	5.14	4.27	20.90
120030002	Florida	Baker	54.80	55.90	0.46	0.01	1.06	0.03	0.46	0.56	0.04	0.01	1.02	0.02	0.40	0.07	0.09	0.01	7.26	3.43	18.82
120050006	Florida	Bay	57.90	58.70	0.03	-	0.09	0.04	1.18	1.27	0.02	-	0.07	0.01	0.10	0.23	0.06	-	2.56	4.44	14.64
120090007	Florida	Brevard	56.60	56.60	0.04	-	0.20	0.01	0.31	0.69	0.04	-	0.14	0.01	0.08	0.03	0.08	0.01	7.52	5.10	16.56
120094001	Florida	Brevard	57.00	57.90	0.08	-	0.25	0.01	0.25	0.57	0.03	-	0.19	0.01	0.11	0.02	0.07	0.01	7.55	4.91	12.84
120110033	Florida	Broward	54.90	55.80	0.07	-	0.33	0.01	0.30	0.55	0.04	-	0.14	0.01	0.09	0.02	0.06	0.01	6.15	2.85	21.16
120112003	Florida	Broward	54.00	54.70	0.01	-	0.05	-	0.15	0.61	0.05	-	0.01	-	-	0.01	0.06	0.01	7.89	2.83	19.74
120118002	Florida	Broward	55.90	56.60	0.03	-	0.14	-	0.17	0.43	0.04	-	0.03	-	0.01	0.02	0.05	0.01	9.58	2.50	19.22
120210004	Florida	Collier	53.60	54.00	0.06	-	0.50	0.02	0.37	0.64	0.05	-	0.08	-	0.04	0.05	0.07	0.02	7.27	5.01	16.70
120230002	Florida	Columbia	55.00	56.20	0.46	0.01	0.97	0.06	0.40	0.23	0.03	0.01	1.01	0.04	0.35	0.16	0.08	-	4.22	3.50	22.14
120310077	Florida	Duval	55.50	57.90	0.11	-	1.05	0.05	0.74	0.76	0.06	-	0.31	0.03	0.22	0.13	0.15	0.02	4.35	4.03	15.96
120310100	Florida	Duval	56.50	58.80	0.03	-	0.69	0.05	1.18	0.68	0.06	-	0.11	0.03	0.10	0.14	0.19	0.01	6.05	4.30	16.98
120310106	Florida	Duval	55.60	56.50	0.24	-	0.95	0.02	0.21	0.35	0.05	-	0.55	0.01	0.26	0.05	0.07	0.02	6.16	3.16	18.72
120330004	Florida	Escambia	60.00	61.10	0.04	-	0.17	0.02	1.31	0.78	0.04	-	0.12	0.02	0.13	0.09	0.14	0.01	2.79	3.86	14.99
120330018	Florida	Escambia	62.70	63.60	0.03	-	0.05	0.02	0.79	1.49	0.05	-	0.04	0.01	0.02	0.14	0.09	0.01	3.09	3.71	14.07
120570081	Florida	Hillsborough	64.90	66.00	0.05	-	0.05	0.01	0.27	0.27	0.03	-	0.03	-	0.01	0.07	0.03	0.01	2.94	3.09	22.64
120571035	Florida	Hillsborough	61.50	62.20	-	-	0.02	-	0.06	0.60	0.08	-	-	-	-	0.01	0.06	0.03	5.60	3.34	25.26
120571065	Florida	Hillsborough	64.20	65.30	-	-	0.05	0.01	0.19	0.44	0.04	-	-	-	-	0.04	0.05	0.01	4.29	3.74	20.27
120573002	Florida	Hillsborough	63.20	63.60	0.04	-	0.14	0.01	0.17	0.57	0.05	-	0.05	-	0.03	0.03	0.04	0.02	4.32	3.47	22.48
120619991	Florida	Indian River	57.70	57.70	0.07	-	0.21	0.01	0.33	0.76	0.06	-	0.18	0.01	0.10	0.02	0.09	0.02	8.24	5.13	22.27
120690002	Florida	Lake	57.60	57.90	0.02	-	0.25	0.01	0.22	0.60	0.06	-	0.05	-	0.03	0.03	0.08	0.01	5.12	3.97	23.23
120712002	Florida	Lee	56.90	57.10	0.04	-	0.28	0.01	0.29	0.80	0.07	-	0.07	-	0.04	0.03	0.08	0.04	8.83	4.84	19.09
120713002	Florida	Lee	54.20	54.80	0.02	-	0.17	0.01	0.20	0.63	0.05	-	0.04	-	0.02	0.02	0.07	0.02	6.70	4.78	15.98
120730012	Florida	Leon	53.30	54.70	0.07	-	0.75	0.04	1.02	0.93	0.03	-	0.18	0.02	0.13	0.09	0.11	0.01	1.68	4.70	18.71
120730013	Florida	Leon	52.90	53.80	0.07	-	0.19	0.05	1.10	0.80	0.03	-	0.07	0.02	0.07	0.26	0.10	-	1.37	4.18	21.02
120813002	Florida	Manatee	56.90	57.80	0.05	-	0.25	0.01	0.34	0.21	0.02	-	0.02	-	0.01	0.07	0.03	0.01	3.51	3.36	17.74
120814012	Florida	Manatee	59.40	59.40	0.16	-	0.40	0.02	0.40	0.44	0.06	-	0.27	0.01	0.12	0.08	0.07	0.03	5.90	3.73	18.46
120830003	Florida	Marion	56.80	57.60	0.01	-	0.03	0.01	0.13	0.63	0.08	-	0.02	-	-	0.03	0.07	0.03	5.05	3.71	27.65
120830004	Florida	Marion	53.70	54.60	-	-	0.03	0.04	0.29	0.53	0.08	-	0.02	0.02	-	0.10	0.10	0.03	4.20	3.91	24.96
120860027	Florida	Miami-Dade	61.10	62.00	0.07	-	0.27	0.01	0.23	0.46	0.02	-	0.05	-	0.03	0.03	0.04	-	8.55	2.49	18.84
120860029	Florida	Miami-Dade	59.40	60.10	0.06	-	0.31	0.01	0.25	0.34	0.02	-	0.06	-	0.03	0.03	0.04	0.01	6.80	3.03	18.78
120910002	Florida	Okaloosa	56.70	57.50	0.11	-	0.28	0.02	1.13	0.36	0.04	-	0.20	0.02	0.17	0.07	0.10	0.01	4.63	3.86	15.92
120950008	Florida	Orange	62.60	63.40	0.10	-	0.67	0.01	0.31	0.49	0.04	-	0.21	0.01	0.11	0.04	0.09	0.01	4.79	4.13	17.30
120952002	Florida	Orange	63.70	64.80	0.11	-	0.61	0.01	0.27	0.48	0.06	-	0.22	0.01	0.12	0.03	0.08	0.02	4.22	3.74	22.23
120972002	Florida	Osceola	57.20	57.20	0.02	-	0.31	0.01	0.27	0.82	0.09	-	0.06	0.01	0.03	0.02	0.11	0.03	7.39	5.01	18.54
120990009	Florida	Palm Beach	58.40	58.60	0.05	-	0.24	0.01	0.23	0.55	0.04	-	0.12	0.01	0.08	0.02	0.07	0.02	7.14	3.97	23.54
120990020	Florida	Palm Beach	57.30	57.60	0.06	-	0.21	0.01	0.25	0.62	0.04	-	0.13	0.01	0.09	0.02	0.08	0.02	8.24	3.24	24.31
121010005	Florida	Pasco	58.10	58.40	0.01	-	0.11	-	0.12	0.64	0.07	-	0.06	-	0.03	0.01	0.07	0.03	5.09	3.85	23.95
121012001	Florida	Pasco	58.90	60.50	0.01	-	0.06	-	0.09	0.45	0.08	-	0.03	-	0.01	0.01	0.06	0.03	4.60	2.99	28.94
121030004	Florida	Pinellas	60.80	61.10	0.03	-	0.29	0.01	0.23	0.36	0.04	-	0.02	-	0.01	0.03	0.05	0.01	3.61	3.06	26.29
121030018	Florida	Pinellas	59.50	60.20	0.03	-	0.27	0.01	0.22	0.33	0.04	-	0.02	-	0.01	0.03	0.04	0.01	3.66	2.89	25.57
121035002	Florida	Pinellas	58.70	59.30	0.01	-	0.06	-	0.08	0.45	0.08	-	0.03	-	0.01	0.01	0.06	0.03	4.68	2.79	29.03
121056005	Florida	Polk	58.80	59.40	0.01	-	0.16	-	0.20	0.96	0.11	-	0.09	0.01	0.05	-	0.12	0.05	7.91	4.30	21.44
121056006	Florida	Polk	59.80	60.40	0.02	-	0.21	0.01	0.25	0.95	0.08	-	0.11	0.01	0.06	0.01	0.09	0.03	7.06	4.80	18.06
121130015	Florida	Santa Rosa	61.80	63.80	0.05	-	0.10	0.01	1.07	1.38	0.03	-	0.09	0.01	0.09	0.10	0.07	0.01	2.81	4.07	12.94
121151005	Florida	Sarasota	62.30	62.90	0.17	-	0.40	0.02	0.44	0.60	0.06	-	0.30	0.01	0.14	0.07	0.08	0.02	6.59	3.91	18.30
121151006	Florida	Sarasota	59.20	59.40	0.13	-	0.16	0.01	0.33	0.64	0.06	-	0.25	0.01	0.12	0.06	0.09	0.03	5.90	3.47	19.44
121152002	Florida	Sarasota	57.50	58.40	0.12	-	0.15	0.01	0.24	0.44	0.05	-	0.26	0.01	0.12	0.04	0.08	0.02	5.49	3.83	23.78
121171002	Florida	Seminole	59.20	60.70	0.11	-	0.68	0.01	0.34	0.47	0.02	-	0.18	-	0.10	0.05	0.05	-	3.49	3.99	17.49
121272001	Florida	Volusia	51.70	51.90	0.03	-	0.23	0.03	0.34	0.54	0.04	-	0.09	0.03	0.07	0.05	0.10	0.01	6.36	4.15	17.16
121275002	Florida	Volusia	55.00	55.60	0.06	-	0.85	0.04	0.87	0.92	0.08	-	0.18	0.03	0.13	0.08	0.21	0.02	7.61	4.83	16.01







Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
180030002	Indiana	Allen	60.40	61.90	0.08	0.02	0.25	0.03	0.08	-	-	-	0.02	0.07	0.03	1.98	15.71	0.13	0.28	1.53	0.24	-
180030004	Indiana	Allen	61.20	62.70	0.17	0.03	0.49	0.04	0.08	-	-	-	0.11	0.16	0.02	1.96	13.51	0.10	0.37	1.62	0.45	-
180110001	Indiana	Boone	64.10	65.60	-	0.01	0.09	0.05	0.13	-	-	-	-	-	0.04	0.64	15.13	0.12	0.15	3.94	0.02	-
180150002	Indiana	Carrroll	61.20	63.00	0.08	0.03	0.48	0.08	0.17	-	-	-	0.08	0.09	0.07	7.94	11.76	0.79	0.27	0.73	0.19	-
180190008	Indiana	Clark	68.90	71.50	0.26	0.04	0.16	0.09	0.14	-	-	-	0.09	0.16	0.05	1.72	15.32	0.42	0.36	18.00	0.22	-
180350010	Indiana	Delaware	59.60	60.70	0.08	0.03	0.88	0.04	0.12	-	-	-	0.08	0.09	0.03	3.17	20.36	0.14	0.45	0.87	0.25	-
180390007	Indiana	Elkhart	59.80	61.90	0.60	0.06	1.06	0.10	0.12	-	-	-	0.22	0.34	0.03	8.01	10.60	0.74	1.43	0.17	1.32	-
180431004	Indiana	Floyd	66.80	69.40	0.24	0.01	0.13	0.08	0.11	-	-	-	0.05	0.12	0.06	1.05	11.32	0.37	0.14	20.13	0.12	-
180550001	Indiana	Greene	71.40	72.30	0.02	0.01	0.07	0.04	0.07	-	-	-	-	0.01	0.04	3.63	26.45	0.14	0.10	6.05	0.03	-
180570006	Indiana	Hamilton	62.20	63.10	0.04	0.02	0.34	0.04	0.07	-	-	-	0.05	0.04	0.02	1.84	20.67	0.13	0.40	2.38	0.15	-
180590003	Indiana	Hancock	58.10	60.20	0.06	0.03	0.68	0.05	0.10	-	-	-	0.06	0.07	0.02	3.48	22.27	0.09	0.37	1.70	0.17	-
180630004	Indiana	Hendricks	59.60	60.50	0.04	0.01	0.21	0.06	0.16	-	-	-	-	0.01	0.04	1.80	19.03	0.40	0.30	2.23	0.08	-
180710001	Indiana	Jackson	60.00	60.90	0.27	0.02	0.19	0.07	0.11	-	-	-	0.04	0.13	0.04	1.21	15.20	0.21	0.25	8.46	0.15	-
180810002	Indiana	Johnson	60.80	61.60	0.08	0.01	0.12	0.07	0.11	-	-	-	-	0.03	0.04	2.53	20.37	0.18	0.12	4.52	0.03	-
180839991	Indiana	Knox	67.60	67.60	0.04	0.02	0.25	0.06	0.12	-	-	-	0.03	0.05	0.02	2.69	20.73	0.26	0.21	9.45	0.10	-
180890022	Indiana	Lake	58.50	60.50	0.27	0.03	0.47	0.09	0.08	-	-	-	0.08	0.14	0.06	18.51	7.34	1.67	0.90	0.06	0.80	-
180890030	Indiana	Lake	61.70	64.60	0.29	0.03	0.50	0.09	0.09	-	-	-	0.09	0.15	0.06	21.38	4.55	1.84	1.01	0.06	0.88	-
180892008	Indiana	Lake	60.20	60.20	0.28	0.03	0.49	0.09	0.09	-	-	-	0.09	0.15	0.06	20.86	4.44	1.80	0.99	0.06	0.85	-
180910005	Indiana	LaPorte	70.70	74.00	0.21	0.05	0.70	0.12	0.17	-	-	-	0.10	0.16	0.06	20.67	11.26	2.11	1.29	0.11	0.67	-
180910010	Indiana	LaPorte	62.90	65.00	0.19	0.04	0.63	0.11	0.15	-	-	-	0.09	0.15	0.05	16.49	10.53	1.93	1.22	0.10	0.61	-
180950010	Indiana	Madison	59.00	60.50	0.08	0.02	1.11	0.04	0.10	-	-	-	0.07	0.09	0.03	3.42	21.60	0.11	0.34	1.04	0.29	-
180970050	Indiana	Marion	64.90	66.10	0.01	0.02	0.41	0.06	0.12	-	-	-	0.01	0.01	0.03	3.55	23.47	0.11	0.41	2.92	0.08	-
180970057	Indiana	Marion	62.90	64.70	-	0.01	0.07	0.05	0.11	-	-	-	-	-	0.04	2.63	23.36	0.21	0.13	2.72	0.02	-
180970073	Indiana	Marion	64.60	66.40	0.11	0.04	0.11	0.11	0.22	-	-	-	0.03	0.17	0.06	3.44	24.20	0.46	0.32	2.55	0.04	-
180970078	Indiana	Marion	63.50	65.60	-	0.01	0.07	0.05	0.11	-	-	-	-	-	0.04	2.66	23.59	0.21	0.13	2.75	0.02	-
181090005	Indiana	Morgan	60.00	60.80	0.02	0.01	0.07	0.06	0.15	-	-	-	-	0.01	0.05	2.31	18.88	0.36	0.25	1.77	0.04	-
181230009	Indiana	Perry	66.80	69.00	0.41	0.04	0.62	0.08	0.14	-	-	-	0.12	0.24	0.04	0.86	11.53	0.11	0.26	15.65	0.37	-
181270024	Indiana	Porter	60.60	62.10	0.18	0.04	0.52	0.09	0.14	-	-	-	0.09	0.14	0.05	17.85	8.61	1.78	1.11	0.06	0.55	-
181270026	Indiana	Porter	57.10	58.00	0.26	0.05	0.33	0.15	0.12	-	-	-	0.10	0.18	0.08	13.24	9.54	1.61	1.02	0.04	0.63	-
181290003	Indiana	Posey	64.90	65.60	0.04	0.01	0.09	0.05	0.11	-	-	-	0.01	0.01	0.05	0.90	18.22	0.16	0.09	13.01	0.06	-
181410010	Indiana	St. Joseph	55.40	56.50	0.54	0.06	1.01	0.09	0.11	-	-	-	0.19	0.32	0.03	9.22	8.71	0.63	1.11	0.12	1.22	-
181410015	Indiana	St. Joseph	61.60	64.90	0.55	0.06	0.91	0.10	0.12	-	-	-	0.20	0.30	0.03	10.64	11.04	0.84	1.42	0.16	1.19	-
181411007	Indiana	St. Joseph	56.90	56.90	0.51	0.06	0.84	0.09	0.11	-	-	-	0.18	0.28	0.03	9.82	10.20	0.77	1.31	0.15	1.10	-
181450001	Indiana	Shelby	65.30	66.10	-	0.03	0.10	0.09	0.19	-	-	-	-	-	0.05	2.87	26.60	0.50	0.27	1.06	0.02	-
181630013	Indiana	Vanderburgh	66.20	67.40	0.04	0.01	0.12	0.04	0.09	-	-	-	-	0.01	0.03	1.00	18.55	0.07	0.11	12.82	0.06	-
181630021	Indiana	Vanderburgh	68.40	68.40	0.04	0.01	0.09	0.05	0.12	-	-	-	0.01	0.02	0.05	0.87	19.47	0.16	0.09	13.15	0.06	-
181670018	Indiana	Vigo	58.10	60.10	0.01	0.01	0.05	0.07	0.10	-	-	-	-	-	0.04	5.75	18.53	0.34	0.13	3.04	0.03	-
181670024	Indiana	Vigo	56.50	56.50	0.01	0.01	0.05	0.06	0.10	-	-	-	-	-	0.04	5.97	17.59	0.32	0.12	2.82	0.02	-
181730008	Indiana	Warrick	65.70	67.60	0.32	0.02	0.26	0.07	0.12	-	-	-	0.11	0.20	0.04	0.67	17.52	0.07	0.15	12.36	0.15	-
181730009	Indiana	Warrick	65.10	67.20	0.04	0.01	0.16	0.04	0.09	-	-	-	-	0.02	0.03	0.97	18.43	0.07	0.12	13.22	0.07	-
181730011	Indiana	Warrick	66.00	68.80	0.47	0.03	0.86	0.07	0.09	-	-	-	0.12	0.34	0.03	0.97	17.50	0.05	0.13	11.61	0.43	-
190450021	Iowa	Clinton	60.20	61.30	0.11	0.03	0.31	0.06	0.13	-	-	-	0.13	0.09	0.04	10.31	1.18	8.29	0.61	0.37	0.14	-
190850007	Iowa	Harrison	59.90	61.00	0.03	0.04	0.45	0.15	0.33	-	-	-	0.01	0.02	0.04	0.35	0.24	8.78	3.13	0.08	0.12	-
190851101	Iowa	Harrison	60.80	61.90	0.03	0.04	0.45	0.15	0.34	-	-	-	0.01	0.02	0.04	0.36	0.24	8.91	3.18	0.08	0.12	-
191130028	Iowa	Linn	58.20	59.80	0.41	0.04	0.41	0.11	0.18	-	-	-	0.18	0.22	0.03	0.92	0.10	13.01	1.55	0.07	0.97	-
191130040	Iowa	Linn	56.80	57.90	0.39	0.03	0.38	0.06	0.09	-	-	-	0.17	0.20	0.02	2.53	0.82	12.07	1.46	0.07	0.91	-
191530030	Iowa	Polk	52.60	53.80	0.29	0.05	0.29	0.08	0.11	-	-	-	0.23	0.22	0.02	0.24	0.03	8.55	3.25	0.02	0.76	-
191630014	Iowa	Scott	56.30	56.30	0.12	0.03	0.17	0.08	0.10	-	-	-	0.12	0.09	0.05	8.26	1.32	8.78	0.49	0.40	0.16	-
191630015	Iowa	Scott	58.90	59.80	0.28	0.04	0.18	0.09	0.07	-	-	-	0.23	0.24	0.05	7.54	0.71	7.80	1.29	0.04	0.51	-



Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
180030002	Indiana	Allen	60.40	61.90	0.02	-	2.44	0.20	0.07	0.81	0.07	0.08	0.01	-	0.01	0.04	0.09	0.32	0.11	5.56	0.55	0.02
180030004	Indiana	Allen	61.20	62.70	0.03	-	1.96	0.14	0.11	1.86	0.06	0.07	0.01	-	0.01	0.06	0.10	0.36	0.09	5.80	0.95	0.01
180110001	Indiana	Boone	64.10	65.60	-	-	3.32	0.38	0.01	0.23	0.13	0.10	0.02	-	-	0.03	0.07	-	0.17	8.44	0.14	0.02
180150002	Indiana	Carrroll	61.20	63.00	-	-	0.47	0.88	0.04	1.36	0.12	0.20	0.03	-	-	0.06	-	0.03	0.15	1.99	0.52	0.04
180190008	Indiana	Clark	68.90	71.50	-	-	0.65	0.41	0.12	0.51	0.14	0.17	0.02	-	-	0.11	-	0.04	0.15	1.65	0.58	0.03
180350010	Indiana	Delaware	59.60	60.70	-	-	0.17	0.11	0.11	2.13	0.09	0.18	0.01	-	-	0.13	-	0.03	0.06	0.33	0.84	0.02
180390007	Indiana	Elkhart	59.80	61.90	0.01	-	0.84	0.17	0.53	2.38	0.06	0.31	0.02	-	-	0.12	-	0.09	0.14	0.06	3.16	0.01
180431004	Indiana	Floyd	66.80	69.40	-	-	0.42	0.33	0.11	0.21	0.17	0.11	0.03	-	-	0.03	0.04	0.03	0.14	3.66	0.22	0.03
180550001	Indiana	Greene	71.40	72.30	-	-	1.31	0.33	0.03	0.22	0.16	0.09	0.01	-	-	0.03	-	-	0.17	3.14	0.12	0.02
180570006	Indiana	Hamilton	62.20	63.10	0.01	-	1.30	0.18	0.05	1.03	0.05	0.05	0.01	-	-	0.08	0.08	0.02	0.08	4.20	0.80	0.01
180590003	Indiana	Hancock	58.10	60.20	-	-	0.21	0.13	0.05	1.53	0.07	0.06	0.01	-	-	0.10	-	0.03	0.06	0.63	0.80	0.01
180630004	Indiana	Hendricks	59.60	60.50	-	-	2.21	0.41	0.05	0.59	0.11	0.14	0.02	-	-	0.07	-	-	0.13	4.88	0.31	0.02
180710001	Indiana	Jackson	60.00	60.90	-	-	1.11	0.21	0.12	0.51	0.13	0.13	0.02	-	-	0.09	0.02	0.08	0.13	4.35	0.35	0.02
180810002	Indiana	Johnson	60.80	61.60	-	-	0.75	0.20	0.08	0.21	0.14	0.11	0.02	-	-	0.04	0.08	0.02	0.13	3.00	0.14	0.02
180839991	Indiana	Knox	67.60	67.60	-	-	0.36	0.17	0.02	0.52	0.11	0.11	0.01	-	-	0.09	-	0.02	0.12	1.54	0.31	0.01
180890022	Indiana	Lake	58.50	60.50	-	-	0.14	0.37	0.30	1.42	0.18	0.24	0.02	-	-	0.05	-	0.05	0.29	0.02	1.61	0.03
180890030	Indiana	Lake	61.70	64.60	-	-	0.10	0.38	0.32	1.55	0.20	0.26	0.02	-	-	0.06	-	0.05	0.29	0.02	1.78	0.03
180892008	Indiana	Lake	60.20	60.20	-	-	0.10	0.37	0.31	1.51	0.19	0.25	0.02	-	-	0.06	-	0.05	0.28	0.02	1.74	0.03
180910005	Indiana	LaPorte	70.70	74.00	-	-	0.67	0.44	0.27	2.20	0.23	0.30	0.03	-	-	0.10	-	0.05	0.35	0.04	2.05	0.03
180910010	Indiana	LaPorte	62.90	65.00	-	-	0.61	0.44	0.24	1.95	0.21	0.30	0.02	-	-	0.09	-	0.05	0.33	0.03	1.94	0.02
180950010	Indiana	Madison	59.00	60.50	-	-	0.19	0.11	0.15	1.84	0.08	0.13	0.01	-	-	0.10	-	0.03	0.06	0.39	0.73	0.02
180970050	Indiana	Marion	64.90	66.10	-	-	0.46	0.18	0.03	1.06	0.10	0.08	0.02	-	-	0.08	0.06	-	0.09	2.73	0.80	0.02
180970057	Indiana	Marion	62.90	64.70	-	-	2.43	0.30	0.01	0.26	0.13	0.09	0.02	-	-	0.04	0.06	-	0.12	3.09	0.15	0.02
180970073	Indiana	Marion	64.60	66.40	0.01	-	0.26	0.52	0.02	0.43	0.11	0.32	0.03	-	-	0.08	0.02	0.09	0.09	1.43	0.34	0.04
180970078	Indiana	Marion	63.50	65.60	-	-	2.45	0.30	0.01	0.26	0.13	0.09	0.02	-	-	0.04	0.06	-	0.13	3.12	0.15	0.02
181090005	Indiana	Morgan	60.00	60.80	-	-	2.52	0.48	0.02	0.32	0.14	0.19	0.02	-	-	0.04	-	-	0.13	5.14	0.22	0.03
181230009	Indiana	Perry	66.80	69.00	0.03	-	0.18	0.08	0.31	0.79	0.06	0.08	0.02	-	-	0.12	0.05	0.06	0.06	1.41	0.78	0.02
181270024	Indiana	Porter	60.60	62.10	-	-	0.22	0.38	0.21	1.61	0.17	0.30	0.02	-	-	0.08	-	0.04	0.29	0.01	1.87	0.02
181270026	Indiana	Porter	57.10	58.00	-	-	0.30	0.47	0.25	1.20	0.17	0.32	0.03	-	-	0.08	-	0.04	0.30	0.02	1.75	0.06
181290003	Indiana	Posey	64.90	65.60	-	-	0.68	0.13	0.05	0.26	0.09	0.14	0.02	-	-	0.03	0.01	-	0.08	3.76	0.12	0.02
181410010	Indiana	St. Joseph	55.40	56.50	0.01	-	0.34	0.13	0.47	1.96	0.06	0.26	0.02	-	-	0.11	-	0.08	0.13	0.05	2.87	0.01
181410015	Indiana	St. Joseph	61.60	64.90	0.01	-	0.87	0.22	0.52	2.67	0.06	0.29	0.02	-	-	0.11	-	0.10	0.16	0.06	2.51	0.01
181411007	Indiana	St. Joseph	56.90	56.90	0.01	-	0.80	0.20	0.48	2.47	0.06	0.27	0.02	-	-	0.10	-	0.09	0.14	0.06	2.32	0.01
181450001	Indiana	Shelby	65.30	66.10	-	-	1.15	0.59	0.01	0.35	0.15	0.29	0.03	-	-	0.07	-	-	0.18	1.27	0.28	0.03
181630013	Indiana	Vanderburgh	66.20	67.40	-	-	0.70	0.15	0.06	0.44	0.10	0.06	0.01	-	-	0.03	0.01	-	0.11	4.05	0.15	0.01
181630021	Indiana	Vanderburgh	68.40	68.40	-	-	0.75	0.13	0.05	0.25	0.10	0.14	0.02	-	-	0.03	0.01	-	0.08	4.16	0.12	0.02
181670018	Indiana	Vigo	58.10	60.10	-	-	0.99	0.32	0.01	0.25	0.18	0.12	0.02	-	-	0.04	-	-	0.17	2.49	0.13	0.02
181670024	Indiana	Vigo	56.50	56.50	-	-	0.99	0.31	0.01	0.25	0.18	0.12	0.02	-	-	0.03	-	-	0.18	2.34	0.12	0.02
181730008	Indiana	Warrick	65.70	67.60	-	-	0.48	0.13	0.12	0.30	0.07	0.07	0.02	-	-	0.05	-	0.04	0.06	3.39	0.23	0.02
181730009	Indiana	Warrick	65.10	67.20	-	-	0.53	0.15	0.07	0.41	0.10	0.06	0.01	-	-	0.03	-	-	0.11	3.13	0.16	0.01
181730011	Indiana	Warrick	66.00	68.80	0.01	-	0.46	0.08	0.35	0.49	0.05	0.04	0.02	-	-	0.06	-	0.09	0.04	3.00	0.26	0.01
190450021	Iowa	Clinton	60.20	61.30	0.01	-	0.10	0.19	0.04	4.23	0.11	0.18	0.01	-	-	0.09	0.01	0.05	0.08	0.32	1.80	0.03
190850007	Iowa	Harrison	59.90	61.00	-	-	0.02	0.47	0.03	2.17	0.08	11.80	0.05	-	-	0.11	-	-	0.06	0.01	2.26	0.02
190851101	Iowa	Harrison	60.80	61.90	-	-	0.02	0.48	0.03	2.21	0.08	11.98	0.05	-	-	0.11	-	-	0.06	0.01	2.29	0.02
191130028	Iowa	Linn	58.20	59.80	0.01	-	0.03	0.45	0.34	4.20	0.09	0.30	0.03	-	-	0.11	-	0.08	0.06	0.03	2.44	0.01
191130040	Iowa	Linn	56.80	57.90	0.01	-	0.39	0.10	0.32	3.84	0.05	0.21	0.01	-	-	0.09	0.01	0.07	0.02	0.12	2.49	0.01
191530030	Iowa	Polk	52.60	53.80	0.02	-	-	0.19	0.19	3.24	0.07	0.25	0.02	-	-	0.11	0.01	0.10	0.06	0.02	2.07	0.01
191630014	Iowa	Scott	56.30	56.30	0.01	-	0.11	0.28	0.05	3.55	0.17	0.08	0.02	-	-	0.09	0.01	0.04	0.13	0.32	1.75	0.02
191630015	Iowa	Scott	58.90	59.80	0.02	-	0.09	0.34	0.19	3.12	0.15	0.30	0.02	-	-	0.08	-	0.10	0.36	0.03	3.08	0.03

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
180030002	Indiana	Allen	60.40	61.90	0.31	-	0.07	0.03	0.21	0.46	0.03	-	0.20	0.06	0.23	0.83	0.11	0.01	1.77	7.04	18.01
180030004	Indiana	Allen	61.20	62.70	0.36	-	0.09	0.03	0.27	1.29	0.03	-	0.22	0.04	0.28	0.31	0.10	0.01	1.91	7.26	18.07
180110001	Indiana	Boone	64.10	65.60	0.30	-	-	0.04	0.06	0.26	0.07	-	-	0.07	0.41	0.57	0.17	0.01	1.75	6.08	20.73
180150002	Indiana	Carroll	61.20	63.00	0.01	-	0.02	0.13	0.12	1.05	0.10	-	0.02	0.07	0.06	2.22	0.28	0.01	0.81	8.87	18.56
180190008	Indiana	Clark	68.90	71.50	0.04	-	0.03	0.11	0.87	1.12	0.07	-	0.02	0.05	0.09	0.44	0.25	0.01	0.94	6.98	16.04
180350010	Indiana	Delaware	59.60	60.70	0.01	-	0.02	0.05	0.50	2.00	0.04	-	0.02	0.06	0.02	0.47	0.17	0.01	0.80	7.83	16.59
180390007	Indiana	Elkhart	59.80	61.90	0.03	-	0.07	0.16	0.21	3.54	0.07	-	0.04	0.03	0.03	0.48	0.14	0.02	1.98	6.79	13.30
180431004	Indiana	Floyd	66.80	69.40	0.30	-	0.01	0.10	0.55	0.57	0.07	-	0.13	0.06	0.92	0.58	0.26	0.01	0.72	6.03	16.80
180550001	Indiana	Greene	71.40	72.30	0.07	-	-	0.08	0.06	0.25	0.03	-	-	0.07	0.18	0.73	0.20	-	0.72	8.75	17.76
180570006	Indiana	Hamilton	62.20	63.10	0.30	-	0.01	0.03	0.16	1.47	0.04	-	0.02	0.04	0.32	0.68	0.12	0.01	1.07	6.07	17.49
180590003	Indiana	Hancock	58.10	60.20	0.01	-	0.02	0.03	0.48	1.54	0.04	-	0.01	0.05	0.02	0.53	0.12	0.01	0.83	6.51	14.81
180630004	Indiana	Hendricks	59.60	60.50	0.01	-	-	0.04	0.08	0.58	0.08	-	-	0.07	0.15	0.82	0.17	0.01	0.95	6.31	16.81
180710001	Indiana	Jackson	60.00	60.90	0.13	-	0.05	0.09	2.16	0.66	0.05	-	0.03	0.05	0.26	0.26	0.20	0.01	0.91	7.10	14.22
180810002	Indiana	Johnson	60.80	61.60	0.42	-	0.01	0.07	0.79	0.28	0.05	-	0.02	0.06	0.95	0.46	0.22	0.01	0.78	6.80	16.50
180839991	Indiana	Knox	67.60	67.60	-	-	0.01	0.06	1.48	0.58	0.05	-	0.01	0.04	0.01	0.74	0.13	0.01	0.83	6.96	19.03
180890022	Indiana	Lake	58.50	60.50	0.01	-	0.04	0.15	0.11	1.89	0.06	-	0.02	0.09	0.01	1.75	0.21	0.01	1.23	6.07	11.41
180890030	Indiana	Lake	61.70	64.60	0.01	-	0.05	0.16	0.12	2.05	0.06	-	0.02	0.09	0.01	1.76	0.23	0.01	1.32	6.74	12.72
180892008	Indiana	Lake	60.20	60.20	0.01	-	0.04	0.15	0.11	2.00	0.06	-	0.02	0.09	0.01	1.72	0.23	0.01	1.29	6.58	12.41
180910005	Indiana	LaPorte	70.70	74.00	0.01	-	0.05	0.16	0.18	2.10	0.08	-	0.02	0.11	0.01	1.47	0.24	0.02	1.26	7.78	12.58
180910010	Indiana	LaPorte	62.90	65.00	0.01	-	0.04	0.16	0.16	1.95	0.08	-	0.02	0.10	0.01	1.19	0.23	0.02	1.13	7.30	11.75
180950010	Indiana	Madison	59.00	60.50	0.01	-	0.02	0.04	0.67	1.96	0.04	-	0.02	0.05	0.02	0.44	0.15	0.01	0.79	6.87	15.53
180970050	Indiana	Marion	64.90	66.10	0.30	-	-	0.05	0.15	1.38	0.06	-	0.01	0.06	0.53	0.65	0.17	0.01	0.99	6.88	16.51
180970057	Indiana	Marion	62.90	64.70	0.31	-	-	0.06	0.03	0.30	0.05	-	-	0.07	0.52	0.71	0.21	0.01	1.04	6.07	17.24
180970073	Indiana	Marion	64.60	66.40	0.12	-	0.05	0.13	0.28	0.55	0.09	-	0.06	0.07	0.21	1.20	0.28	0.02	0.86	7.37	17.43
180970078	Indiana	Marion	63.50	65.60	0.32	-	-	0.06	0.03	0.30	0.05	-	-	0.07	0.52	0.71	0.21	0.01	1.05	6.13	17.41
181090005	Indiana	Morgan	60.00	60.80	0.03	-	-	0.08	0.04	0.40	0.07	-	-	0.07	0.21	0.57	0.27	0.01	0.82	7.32	16.68
181230009	Indiana	Perry	66.80	69.00	0.31	-	0.04	0.03	1.02	2.04	0.06	-	0.12	0.02	1.46	0.18	0.18	0.01	1.49	5.93	19.16
181270024	Indiana	Porter	60.60	62.10	0.01	-	0.04	0.15	0.12	1.90	0.06	-	0.02	0.09	0.01	1.85	0.19	0.02	1.11	6.36	11.97
181270026	Indiana	Porter	57.10	58.00	0.01	-	0.04	0.19	0.08	1.89	0.12	-	0.02	0.09	0.01	1.97	0.30	0.02	1.08	5.94	12.76
181290003	Indiana	Posey	64.90	65.60	0.09	-	-	0.04	0.16	0.24	0.07	-	-	0.06	0.12	0.45	0.21	0.01	1.31	5.54	18.20
181410010	Indiana	St. Joseph	55.40	56.50	0.03	-	0.07	0.12	0.18	3.21	0.06	-	0.04	0.03	0.03	0.56	0.12	0.02	1.78	6.24	12.84
181410015	Indiana	St. Joseph	61.60	64.90	0.03	-	0.08	0.15	0.26	3.21	0.08	-	0.05	0.03	0.04	0.74	0.14	0.02	1.68	6.85	12.84
181411007	Indiana	St. Joseph	56.90	56.90	0.03	-	0.07	0.14	0.24	2.97	0.07	-	0.04	0.03	0.03	0.69	0.13	0.02	1.56	6.33	11.86
181450001	Indiana	Shelby	65.30	66.10	-	-	-	0.12	0.02	0.52	0.07	-	-	0.09	0.01	1.72	0.21	0.01	0.90	7.78	17.48
181630013	Indiana	Vanderburgh	66.20	67.40	0.09	-	-	0.03	0.26	0.27	0.03	-	-	0.05	0.13	0.54	0.13	-	1.03	6.37	18.25
181630021	Indiana	Vanderburgh	68.40	68.40	0.11	-	-	0.04	0.17	0.25	0.07	-	-	0.06	0.16	0.49	0.22	0.01	1.31	5.74	19.49
181670018	Indiana	Vigo	58.10	60.10	0.04	-	-	0.10	0.04	0.29	0.05	-	-	0.08	0.09	0.80	0.20	0.01	0.72	8.15	14.48
181670024	Indiana	Vigo	56.50	56.50	0.03	-	-	0.09	0.03	0.27	0.05	-	-	0.08	0.06	0.77	0.20	-	0.69	8.11	14.23
181730008	Indiana	Warrick	65.70	67.60	0.12	-	0.03	0.02	0.95	0.59	0.06	-	0.03	0.04	0.43	0.53	0.16	0.01	1.33	5.43	18.72
181730009	Indiana	Warrick	65.10	67.20	0.11	-	-	0.04	0.59	0.31	0.04	-	0.05	0.05	0.34	0.53	0.14	-	0.75	6.21	17.69
181730011	Indiana	Warrick	66.00	68.80	0.19	-	0.07	0.01	1.26	0.86	0.04	-	0.05	0.03	0.33	0.43	0.10	0.01	1.83	5.25	17.65
190450021	Iowa	Clinton	60.20	61.30	0.08	-	0.02	0.04	0.06	2.00	0.05	-	0.03	0.06	0.18	0.88	0.20	0.01	0.93	8.97	17.41
190850007	Iowa	Harrison	59.90	61.00	-	-	-	0.09	0.05	1.95	0.14	-	-	0.03	-	0.10	0.22	0.03	0.79	10.77	14.69
190851101	Iowa	Harrison	60.80	61.90	-	-	-	0.09	0.05	1.98	0.14	-	-	0.03	-	0.10	0.23	0.03	0.80	10.93	14.91
191130028	Iowa	Linn	58.20	59.80	0.03	-	0.04	0.09	0.18	4.47	0.09	-	0.04	0.03	0.03	0.15	0.16	0.02	1.43	10.72	14.13
191130040	Iowa	Linn	56.80	57.90	0.02	-	0.04	0.03	0.17	4.27	0.04	-	0.04	0.02	0.03	0.29	0.13	0.01	1.49	9.01	14.05
191530030	Iowa	Polk	52.60	53.80	0.04	-	0.06	0.05	0.09	4.91	0.05	-	0.05	0.03	0.04	0.10	0.09	0.02	1.31	7.81	17.24
191630014	Iowa	Scott	56.30	56.30	0.08	-	0.02	0.04	0.07	1.64	0.06	-	0.04	0.08	0.18	0.99	0.20	0.01	0.91	8.53	16.42
191630015	Iowa	Scott	58.90	59.80	0.03	-	0.07	0.20	0.07	2.88	0.05	-	0.05	0.11	0.03	0.82	0.14	0.01	1.16	9.17	16.89

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
200910010	Kansas	Johnson	64.80	67.70	0.02	0.06	0.42	0.16	0.33	-	-	-	0.01	-	0.03	0.09	-	1.39	15.69	-	0.32	-
201030003	Kansas	Leavenworth	63.10	64.80	0.11	0.04	0.90	0.12	0.19	-	-	-	0.01	0.05	0.04	0.35	0.10	0.36	14.17	0.08	0.70	-
201070002	Kansas	Linn	62.20	64.00	0.50	0.08	0.74	0.15	0.22	-	-	-	0.31	0.33	0.03	0.08	0.06	0.14	8.36	0.05	2.33	-
201730010	Kansas	Sedgwick	67.80	69.40	0.42	0.09	0.58	0.30	0.72	-	-	-	0.13	0.22	0.06	0.12	0.07	0.19	13.39	0.07	0.99	-
201730018	Kansas	Sedgwick	68.30	69.50	0.40	0.04	0.60	0.12	0.24	-	-	-	0.11	0.20	0.05	0.11	0.06	0.29	15.24	0.07	0.88	-
201770013	Kansas	Shawnee	63.20	65.20	0.07	0.04	1.14	0.11	0.27	-	-	-	0.01	0.03	0.03	0.22	0.05	0.08	18.70	0.05	0.42	-
201910002	Kansas	Sumner	69.10	70.00	0.44	0.09	0.84	0.26	0.69	-	-	-	0.16	0.23	0.05	0.24	0.10	0.27	8.90	0.09	1.11	-
201950001	Kansas	Trego	69.10	70.70	0.06	0.30	0.50	0.17	0.55	-	-	-	0.08	0.07	0.02	0.23	0.02	0.08	7.60	0.01	0.13	-
202090021	Kansas	Wyandotte	59.50	63.30	0.09	0.05	0.46	0.21	0.43	-	-	-	0.01	0.05	0.04	0.09	0.04	0.35	16.31	0.04	0.24	-
210130002	Kentucky	Bell	55.90	57.40	0.46	0.05	0.15	0.10	0.37	-	-	-	0.10	1.50	0.05	0.75	0.86	0.10	0.26	6.74	0.22	-
210150003	Kentucky	Boone	59.80	61.60	0.41	0.04	0.84	0.08	0.14	-	-	-	0.11	0.28	0.04	1.49	12.78	0.16	0.30	14.52	0.38	-
210190017	Kentucky	Boyd	62.90	64.70	0.39	0.01	0.20	0.06	0.08	-	-	-	0.04	0.23	0.04	1.44	1.95	0.29	0.15	13.24	0.25	-
210290006	Kentucky	Bullitt	63.80	66.20	-	0.01	0.04	0.05	0.12	-	-	-	-	-	0.04	0.45	8.48	0.24	0.17	23.34	0.02	-
210373002	Kentucky	Campbell	68.50	70.60	0.19	0.03	0.25	0.07	0.12	-	-	-	0.05	0.13	0.04	1.42	8.72	0.25	0.25	11.60	0.13	-
210430500	Kentucky	Carter	59.00	60.80	0.44	0.01	0.24	0.06	0.08	-	-	-	0.05	0.27	0.03	0.82	1.41	0.14	0.17	11.05	0.22	-
210470006	Kentucky	Christian	64.40	66.50	0.06	0.01	0.20	0.07	0.12	-	-	-	0.01	0.12	0.03	1.67	7.45	0.30	0.27	21.57	0.11	-
210590005	Kentucky	Daviess	70.70	73.20	0.55	0.03	1.08	0.08	0.13	-	-	-	0.12	0.35	0.04	0.56	10.50	0.06	0.18	20.58	0.51	-
210610501	Kentucky	Edmonson	61.70	64.20	0.12	0.03	0.61	0.08	0.25	-	-	-	0.11	0.10	0.06	1.86	4.97	0.36	0.31	16.73	0.15	-
210670012	Kentucky	Fayette	62.20	64.60	0.05	0.02	0.18	0.06	0.12	-	-	-	0.01	0.04	0.04	1.82	7.88	0.34	0.29	15.32	0.06	-
210890007	Kentucky	Greenup	62.80	64.80	0.39	0.02	0.26	0.07	0.11	-	-	-	0.04	0.22	0.04	1.09	2.46	0.14	0.21	14.52	0.27	-
210910012	Kentucky	Hancock	67.40	69.50	0.67	0.02	0.28	0.09	0.13	-	-	-	0.16	0.36	0.06	0.53	10.22	0.06	0.21	17.68	0.20	-
210930006	Kentucky	Hardin	61.60	63.90	0.06	0.02	0.30	0.06	0.15	-	-	-	0.18	0.02	0.03	1.59	8.06	0.31	0.23	20.43	0.25	-
211010014	Kentucky	Henderson	70.60	73.10	0.32	0.01	0.15	0.08	0.15	-	-	-	0.09	0.20	0.06	0.77	19.19	0.14	0.15	14.23	0.13	-
211110027	Kentucky	Jefferson	69.10	71.80	0.37	0.02	0.13	0.09	0.14	-	-	-	0.07	0.17	0.06	0.54	10.54	0.14	0.19	19.98	0.14	-
211110051	Kentucky	Jefferson	70.80	72.40	0.09	0.01	0.10	0.07	0.10	-	-	-	0.01	0.08	0.05	0.39	8.69	0.30	0.18	22.18	0.07	-
211130001	Kentucky	Jessamine	60.70	62.40	0.09	0.02	0.24	0.06	0.12	-	-	-	0.01	0.06	0.04	1.75	6.54	0.33	0.27	14.57	0.10	-
211390003	Kentucky	Livingston	61.10	63.40	0.08	0.01	0.73	0.06	0.13	-	-	-	-	0.02	0.03	0.57	3.87	0.07	0.17	18.42	0.08	-
211451024	Kentucky	McCracken	61.50	64.30	0.11	0.02	1.08	0.09	0.18	-	-	-	0.07	0.04	0.05	0.93	4.32	0.15	0.25	16.96	0.19	-
211850004	Kentucky	Oldham	71.00	74.50	0.04	0.02	0.05	0.06	0.11	-	-	-	0.02	0.04	0.04	1.19	14.39	0.21	0.25	18.01	0.09	-
211930003	Kentucky	Perry	62.70	65.30	0.23	0.02	0.16	0.10	0.25	-	-	-	0.02	0.24	0.05	1.21	1.75	0.11	0.26	17.35	0.18	-
211950002	Kentucky	Pike	63.20	65.40	0.20	0.02	0.21	0.09	0.18	-	-	-	0.02	0.08	0.04	0.80	1.41	0.12	0.23	14.51	0.21	-
211990003	Kentucky	Pulaski	56.20	58.20	0.02	0.02	0.09	0.09	0.25	-	-	-	0.01	0.01	0.05	1.19	2.91	0.27	0.24	12.73	0.07	-
212130004	Kentucky	Simpson	58.70	60.20	0.35	0.05	0.27	0.12	0.28	-	-	-	0.09	0.93	0.03	1.88	6.71	0.28	0.46	11.90	0.24	-
212218001	Kentucky	Trigg	60.00	60.00	0.07	0.03	0.08	0.06	0.16	-	-	-	0.03	0.07	0.02	1.12	5.02	0.22	0.32	13.09	0.14	-
212270008	Kentucky	Warren	54.80	54.80	0.13	0.03	0.68	0.07	0.20	-	-	-	0.11	0.10	0.05	1.58	4.19	0.31	0.25	15.64	0.15	-
212299991	Kentucky	Washington	60.00	60.00	0.07	0.03	0.29	0.19	0.25	-	-	-	0.01	0.06	0.07	2.19	6.74	0.41	0.56	12.34	0.08	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
200910010	Kansas	Johnson	64.80	67.70	-	-	-	0.45	0.05	13.97	0.06	1.37	0.04	-	-	0.22	-	-	0.18	-	2.65	0.02
201030003	Kansas	Leavenworth	63.10	64.80	-	-	0.02	0.24	0.22	14.15	0.07	0.11	0.04	-	-	0.13	-	0.01	0.03	0.02	3.96	0.02
201070002	Kansas	Linn	62.20	64.00	0.03	-	0.02	0.01	0.50	1.23	0.04	0.33	0.03	-	-	0.20	0.01	0.14	0.02	0.03	8.40	0.01
201730010	Kansas	Sedgwick	67.80	69.40	-	-	0.05	0.17	0.35	1.24	0.07	0.81	0.08	-	-	0.20	-	0.02	0.05	0.04	6.80	0.03
201730018	Kansas	Sedgwick	68.30	69.50	-	-	0.04	0.39	0.31	1.93	0.08	0.25	0.04	-	-	0.16	-	0.01	0.11	0.04	7.29	0.03
201770013	Kansas	Shawnee	63.20	65.20	-	-	-	0.03	0.15	8.54	0.03	0.09	0.04	-	-	0.20	-	-	0.01	0.01	4.14	0.01
201910002	Kansas	Sumner	69.10	70.00	-	-	0.09	0.20	0.39	1.04	0.08	0.72	0.07	-	-	0.16	-	0.02	0.06	0.07	10.95	0.03
201950001	Kansas	Trego	69.10	70.70	-	-	-	0.08	0.03	1.10	0.02	0.07	0.04	-	-	1.51	-	0.02	0.02	-	6.09	0.01
202090021	Kansas	Wyandotte	59.50	63.30	-	-	-	0.20	0.07	9.38	0.05	0.14	0.06	-	-	0.16	-	0.01	0.03	0.02	3.22	0.01
210130002	Kentucky	Bell	55.90	57.40	0.02	-	0.36	0.08	0.12	0.37	0.06	0.18	0.04	-	-	0.11	-	0.36	0.03	2.84	0.38	0.04
210150003	Kentucky	Boone	59.80	61.60	-	-	0.25	0.12	0.23	1.48	0.10	0.13	0.02	-	-	0.10	-	0.09	0.09	0.93	0.49	0.02
210190017	Kentucky	Boyd	62.90	64.70	-	-	1.17	0.54	0.26	0.38	0.17	0.09	0.02	-	-	0.03	0.01	0.04	0.18	10.02	0.26	0.03
210290006	Kentucky	Bullitt	63.80	66.20	-	-	1.38	0.36	-	0.22	0.15	0.14	0.01	-	-	0.03	-	-	0.14	2.54	0.18	0.02
210373002	Kentucky	Campbell	68.50	70.60	-	-	0.87	0.22	0.12	0.61	0.13	0.14	0.02	-	-	0.07	0.10	0.05	0.12	13.15	0.36	0.02
210430500	Kentucky	Carter	59.00	60.80	0.03	-	1.34	0.18	0.29	0.56	0.11	0.09	0.01	-	-	0.04	0.03	0.09	0.11	8.76	0.24	0.02
210470006	Kentucky	Christian	64.40	66.50	-	-	0.43	0.12	0.08	0.48	0.08	0.09	0.02	-	-	0.06	-	0.11	0.09	2.44	0.36	0.01
210590005	Kentucky	Daviess	70.70	73.20	0.01	-	0.62	0.09	0.45	0.55	0.09	0.06	0.03	-	-	0.07	-	0.09	0.07	2.92	0.34	0.02
210610501	Kentucky	Edmonson	61.70	64.20	-	-	0.41	0.23	0.10	1.41	0.13	0.25	0.03	-	-	0.09	-	0.02	0.12	1.51	0.32	0.03
210670012	Kentucky	Fayette	62.20	64.60	-	-	1.22	0.27	0.03	0.68	0.17	0.16	0.02	-	-	0.05	-	-	0.22	3.11	0.35	0.02
210890007	Kentucky	Greenup	62.80	64.80	0.05	-	0.90	0.13	0.28	0.58	0.12	0.10	0.02	-	-	0.04	0.03	0.08	0.08	11.21	0.35	0.03
210910012	Kentucky	Hancock	67.40	69.50	-	-	0.58	0.09	0.29	0.55	0.10	0.06	0.03	-	-	0.05	-	0.04	0.09	3.30	0.40	0.03
210930006	Kentucky	Hardin	61.60	63.90	-	-	0.89	0.19	0.03	0.68	0.11	0.13	0.02	-	-	0.06	-	-	0.11	1.15	0.27	0.02
211010014	Kentucky	Henderson	70.60	73.10	-	-	0.45	0.09	0.11	0.31	0.09	0.14	0.03	-	-	0.04	-	0.03	0.06	2.96	0.23	0.03
211110027	Kentucky	Jefferson	69.10	71.80	-	-	0.88	0.25	0.17	0.31	0.17	0.11	0.03	-	-	0.05	-	0.02	0.15	2.82	0.31	0.03
211110051	Kentucky	Jefferson	70.80	72.40	0.04	-	1.63	0.38	0.10	0.29	0.15	0.16	0.02	-	-	0.03	0.07	0.11	0.14	4.34	0.18	0.02
211130001	Kentucky	Jessamine	60.70	62.40	-	-	1.10	0.27	0.07	0.76	0.17	0.16	0.02	-	-	0.05	0.02	0.15	0.21	2.95	0.32	0.02
211390003	Kentucky	Livingston	61.10	63.40	-	-	0.60	0.10	0.16	1.32	0.08	0.07	0.02	-	-	0.04	0.02	0.02	0.06	3.40	0.27	0.02
211451024	Kentucky	McCracken	61.50	64.30	-	-	0.47	0.10	0.21	2.05	0.09	0.13	0.03	-	-	0.07	0.01	0.02	0.07	2.43	0.46	0.02
211850004	Kentucky	Oldham	71.00	74.50	-	-	1.22	0.32	0.03	0.26	0.15	0.15	0.01	-	-	0.07	-	0.01	0.17	3.97	0.32	0.02
211930003	Kentucky	Perry	62.70	65.30	-	-	0.55	0.07	0.16	0.34	0.09	0.18	0.03	-	-	0.05	0.01	0.06	0.04	5.46	0.32	0.03
211950002	Kentucky	Pike	63.20	65.40	0.05	-	0.94	0.13	0.16	0.46	0.09	0.12	0.03	-	-	0.05	0.04	0.65	0.06	4.58	0.32	0.02
211990003	Kentucky	Pulaski	56.20	58.20	-	-	0.81	0.34	0.03	0.21	0.17	0.18	0.03	-	-	0.05	-	-	0.18	5.14	0.21	0.03
212130004	Kentucky	Simpson	58.70	60.20	-	-	0.38	0.18	0.13	0.50	0.05	0.20	0.03	-	-	0.17	-	0.17	0.06	0.46	0.63	0.01
212218001	Kentucky	Trigg	60.00	60.00	-	-	0.55	0.08	0.04	0.38	0.08	0.11	0.01	-	-	0.15	-	0.02	0.08	2.48	0.32	0.01
212270008	Kentucky	Warren	54.80	54.80	-	-	0.32	0.18	0.11	1.25	0.11	0.20	0.03	-	-	0.08	-	0.02	0.11	1.11	0.27	0.02
212299991	Kentucky	Washington	60.00	60.00	-	-	0.83	0.28	0.06	2.04	0.18	0.30	0.05	-	-	0.07	0.01	0.01	0.20	1.83	0.39	0.02

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
200910010	Kansas	Johnson	64.80	67.70	-	-	-	0.26	0.01	2.95	0.13	-	-	0.05	-	0.01	0.20	0.02	1.09	9.53	12.85
201030003	Kansas	Leavenworth	63.10	64.80	-	-	0.01	0.03	0.17	4.07	0.10	-	-	0.02	-	0.07	0.22	0.02	1.13	9.39	11.43
201070002	Kansas	Linn	62.20	64.00	0.06	-	0.09	0.02	0.18	7.48	0.10	-	0.08	0.02	0.05	0.01	0.18	0.02	2.47	8.32	18.46
201730010	Kansas	Sedgwick	67.80	69.40	-	-	0.02	0.06	0.09	4.40	0.35	-	-	0.03	-	0.03	0.67	0.04	1.92	10.44	22.29
201730018	Kansas	Sedgwick	68.30	69.50	-	-	0.01	0.10	0.08	3.92	0.12	-	-	0.03	-	0.03	0.29	0.02	2.17	9.30	22.87
201770013	Kansas	Shawnee	63.20	65.20	-	-	-	0.01	0.12	3.91	0.11	-	-	0.01	-	0.05	0.21	0.03	0.97	9.41	13.70
201910002	Kansas	Sumner	69.10	70.00	0.01	-	0.02	0.06	0.10	6.03	0.31	-	0.01	0.04	0.01	0.11	0.59	0.04	2.03	11.96	20.22
201950001	Kansas	Trego	69.10	70.70	-	-	0.01	0.01	0.02	4.78	0.12	-	0.01	0.01	-	0.01	0.13	0.09	3.45	13.65	27.78
202090021	Kansas	Wyandotte	59.50	63.30	-	-	0.01	0.03	0.05	3.37	0.21	-	-	0.02	-	0.02	0.35	0.04	0.89	8.01	14.52
210130002	Kentucky	Bell	55.90	57.40	0.16	-	0.31	0.03	4.71	0.83	0.14	-	1.82	0.05	2.12	0.18	0.40	0.03	1.07	3.67	23.43
210150003	Kentucky	Boone	59.80	61.60	0.03	-	0.07	0.06	1.87	0.97	0.06	-	0.04	0.04	0.06	0.14	0.21	0.01	1.02	6.57	12.81
210190017	Kentucky	Boyd	62.90	64.70	0.51	-	0.05	0.08	0.44	0.64	0.05	-	0.07	0.07	7.69	0.54	0.16	0.01	1.16	5.13	14.50
210290006	Kentucky	Bullitt	63.80	66.20	0.31	-	-	0.10	0.01	0.29	0.04	-	-	0.06	0.45	0.51	0.25	0.01	0.66	5.28	17.50
210373002	Kentucky	Campbell	68.50	70.60	0.38	-	0.02	0.06	0.97	0.68	0.05	-	0.11	0.06	1.00	0.71	0.18	0.01	1.22	6.35	17.23
210430500	Kentucky	Carter	59.00	60.80	1.96	-	0.06	0.05	0.58	0.61	0.04	-	0.37	0.05	6.88	0.27	0.14	-	1.49	4.72	14.69
210470006	Kentucky	Christian	64.40	66.50	0.14	-	0.05	0.03	0.65	0.62	0.06	-	0.14	0.03	0.57	0.55	0.13	0.01	0.62	6.21	18.00
210590005	Kentucky	Daviess	70.70	73.20	0.39	-	0.07	0.03	2.30	1.02	0.06	-	0.10	0.04	0.61	0.19	0.16	0.01	1.30	6.37	17.65
210610501	Kentucky	Edmonson	61.70	64.20	0.19	-	0.02	0.09	0.50	0.60	0.13	-	0.20	0.06	1.00	0.50	0.38	0.02	0.72	8.02	18.68
210670012	Kentucky	Fayette	62.20	64.60	0.48	-	0.01	0.09	0.08	0.51	0.07	-	-	0.06	0.80	0.82	0.21	0.01	0.70	8.46	17.14
210890007	Kentucky	Greenup	62.80	64.80	0.51	-	0.04	0.04	0.46	0.77	0.05	-	0.34	0.05	5.05	0.34	0.17	0.01	1.08	4.92	14.93
210910012	Kentucky	Hancock	67.40	69.50	0.26	-	0.05	0.03	1.45	1.02	0.06	-	0.01	0.05	0.35	0.40	0.19	0.01	1.08	5.62	20.30
210930006	Kentucky	Hardin	61.60	63.90	-	-	-	0.05	0.08	0.56	0.07	-	-	0.04	0.02	0.69	0.17	0.01	0.69	6.19	17.48
211010014	Kentucky	Henderson	70.60	73.10	0.12	-	0.03	0.03	0.71	0.57	0.09	-	0.01	0.06	0.25	0.45	0.24	0.01	1.85	5.23	20.51
211110027	Kentucky	Jefferson	69.10	71.80	0.32	-	0.02	0.09	0.58	0.79	0.06	-	-	0.08	0.40	0.42	0.29	0.01	1.02	5.82	21.07
211110051	Kentucky	Jefferson	70.80	72.40	0.75	-	0.03	0.11	0.17	0.34	0.04	-	0.26	0.06	2.47	0.35	0.24	-	1.21	5.68	18.90
211130001	Kentucky	Jessamine	60.70	62.40	0.65	-	0.01	0.09	0.56	0.51	0.07	-	0.29	0.06	1.38	0.73	0.23	0.01	0.74	8.81	15.85
211390003	Kentucky	Livingston	61.10	63.40	0.44	-	0.01	0.02	2.66	0.41	0.06	-	0.11	0.03	1.19	0.19	0.14	0.01	1.35	7.02	16.82
211451024	Kentucky	McCracken	61.50	64.30	0.35	-	0.01	0.03	1.88	0.67	0.10	-	0.08	0.04	0.93	0.11	0.20	0.02	1.26	7.43	17.59
211850004	Kentucky	Oldham	71.00	74.50	0.31	-	0.01	0.11	0.03	0.55	0.04	-	-	0.07	0.34	0.50	0.23	0.01	0.80	6.99	19.55
211930003	Kentucky	Perry	62.70	65.30	0.04	-	0.07	0.05	0.65	0.67	0.10	-	1.73	0.05	4.17	0.25	0.36	0.02	0.75	3.64	20.60
211950002	Kentucky	Pike	63.20	65.40	0.92	-	0.03	0.04	1.23	0.69	0.07	-	3.39	0.04	7.01	0.30	0.20	0.01	1.07	3.66	18.50
211990003	Kentucky	Pulaski	56.20	58.20	0.17	-	-	0.11	0.30	0.38	0.10	-	0.82	0.06	1.97	0.65	0.31	0.02	0.58	6.76	18.41
212130004	Kentucky	Simpson	58.70	60.20	0.01	-	0.16	0.06	4.80	1.23	0.11	-	0.17	0.02	0.25	0.52	0.23	0.03	0.90	7.02	16.42
212218001	Kentucky	Trigg	60.00	60.00	0.34	-	0.02	0.03	6.08	0.96	0.05	-	0.04	0.03	0.78	0.29	0.13	0.01	0.86	6.76	18.65
212270008	Kentucky	Warren	54.80	54.80	0.18	-	0.02	0.07	0.67	0.52	0.11	-	0.16	0.05	0.83	0.41	0.30	0.02	0.66	7.07	16.25
212299991	Kentucky	Washington	60.00	60.00	0.53	-	0.01	0.12	0.17	0.65	0.19	-	-	0.06	1.04	0.63	0.38	0.02	0.78	9.02	16.59

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
220050004	Louisiana	Ascension	66.50	68.50	1.21	0.02	0.22	0.08	0.16	-	-	-	0.82	0.55	0.03	0.32	0.22	0.13	0.22	0.19	31.70	-
220150008	Louisiana	Bossier	71.50	74.00	0.27	0.04	0.53	0.10	0.18	-	-	-	0.57	0.20	0.02	0.05	0.04	0.06	0.28	0.04	24.20	-
220170001	Louisiana	Caddo	69.60	70.80	0.33	0.05	0.73	0.09	0.13	-	-	-	0.72	0.22	0.01	0.03	0.05	0.01	0.18	0.05	26.90	-
220190002	Louisiana	Calcasieu	70.00	72.60	0.28	0.01	0.23	0.04	0.07	-	-	-	0.89	0.34	0.01	0.21	0.04	0.11	0.10	0.05	17.04	-
220190008	Louisiana	Calcasieu	63.50	64.70	0.20	0.01	0.15	0.02	0.07	-	-	-	0.60	0.18	-	0.13	0.02	0.09	0.10	0.02	16.77	-
220190009	Louisiana	Calcasieu	67.80	69.70	0.28	0.01	0.57	0.01	0.05	-	-	-	0.92	0.15	-	0.48	0.08	0.31	0.29	0.04	8.68	-
220330003	Louisiana	East Baton Rouge	70.60	73.60	1.85	0.02	0.72	0.15	0.23	-	-	-	0.12	0.24	0.05	0.66	0.32	0.21	0.29	0.36	32.68	-
220330009	Louisiana	East Baton Rouge	67.50	69.30	2.15	0.03	0.16	0.13	0.23	-	-	-	0.51	0.58	0.05	0.36	0.35	0.15	0.32	0.44	29.76	-
220330013	Louisiana	East Baton Rouge	63.10	64.00	1.51	0.03	0.18	0.03	0.11	-	-	-	0.92	0.97	-	0.20	0.15	0.10	0.16	0.17	23.11	-
220470009	Louisiana	Iberville	65.80	67.40	3.41	0.04	0.34	0.15	0.20	-	-	-	0.52	1.12	0.05	0.23	0.40	0.12	0.32	0.56	27.72	-
220470012	Louisiana	Iberville	68.80	69.70	1.81	0.01	0.66	0.10	0.20	-	-	-	0.16	0.24	0.04	0.69	0.32	0.21	0.28	0.33	31.56	-
220511001	Louisiana	Jefferson	67.50	69.60	3.33	0.03	0.27	0.08	0.12	-	-	-	0.78	0.77	0.02	0.32	0.28	0.08	0.13	0.45	27.80	-
220550007	Louisiana	Lafayette	63.80	64.70	3.68	0.04	0.12	0.09	0.14	-	-	-	0.52	1.70	0.03	0.25	0.44	0.17	0.35	0.65	18.99	-
220570004	Louisiana	Lafourche	65.60	67.20	2.12	0.03	0.39	0.09	0.15	-	-	-	0.26	0.54	0.04	0.31	0.33	0.13	0.17	0.34	29.82	-
220630002	Louisiana	Livingston	65.80	67.60	1.28	0.02	0.47	0.03	0.06	-	-	-	0.71	0.36	0.01	0.36	0.15	0.14	0.16	0.13	28.34	-
220710012	Louisiana	Orleans	63.50	64.10	3.23	0.03	0.25	0.07	0.11	-	-	-	0.73	0.74	0.02	0.31	0.26	0.08	0.11	0.42	25.94	-
220730004	Louisiana	Ouachita	59.30	61.90	0.33	0.06	0.92	0.18	0.44	-	-	-	0.21	0.19	0.03	0.05	0.04	0.04	0.24	0.05	23.49	-
220770001	Louisiana	Pointe Coupee	65.70	67.20	1.19	0.05	0.42	0.07	0.14	-	-	-	1.08	1.21	0.01	0.27	0.16	0.04	0.09	0.20	26.22	-
220870004	Louisiana	St. Bernard	64.30	64.30	3.16	0.04	0.21	0.07	0.19	-	-	-	0.91	0.82	0.01	0.24	0.27	0.09	0.11	0.30	22.87	-
220890003	Louisiana	St. Charles	64.10	65.90	2.47	0.02	0.28	0.07	0.10	-	-	-	0.51	0.43	0.02	0.37	0.29	0.13	0.17	0.36	29.08	-
220930002	Louisiana	St. James	61.70	62.60	2.18	0.01	0.21	0.06	0.12	-	-	-	0.33	0.33	0.03	0.38	0.50	0.19	0.27	0.53	27.07	-
220950002	Louisiana	St. John the Baptist	67.20	68.10	1.81	0.03	0.26	0.09	0.16	-	-	-	0.62	0.37	0.03	0.35	0.30	0.22	0.26	0.37	30.59	-
221030002	Louisiana	St. Tammany	67.00	67.60	2.00	0.02	0.42	0.04	0.12	-	-	-	0.42	0.74	0.01	0.29	0.13	0.16	0.17	0.16	26.60	-
221210001	Louisiana	West Baton Rouge	63.20	64.80	2.01	0.03	0.15	0.12	0.22	-	-	-	0.48	0.54	0.05	0.34	0.32	0.14	0.30	0.41	27.86	-
230052003	Maine	Cumberland	61.40	62.10	0.11	0.03	0.42	0.03	0.10	1.37	0.35	0.01	0.04	0.08	0.01	0.53	0.56	0.10	0.24	0.20	0.14	2.94
230130004	Maine	Knox	60.00	61.10	0.09	0.03	0.36	0.02	0.08	1.31	0.30	0.04	0.03	0.14	-	0.59	0.64	0.18	0.24	0.38	0.11	1.39
230230006	Maine	Sagadahoc	53.80	53.80	0.08	0.03	0.33	0.02	0.07	1.25	0.20	-	0.05	0.07	-	0.48	0.45	0.08	0.20	0.19	0.13	3.11
230312002	Maine	York	64.90	66.10	0.13	0.03	0.44	0.04	0.10	1.16	0.37	0.02	0.04	0.09	0.01	0.54	0.77	0.11	0.22	0.27	0.14	1.37
240030014	Maryland	Anne Arundel	71.00	74.50	0.28	0.05	0.22	0.07	0.12	0.01	0.44	1.11	0.07	0.09	0.02	0.53	1.66	0.17	0.34	1.08	0.26	-
240051007	Maryland	Baltimore	70.20	72.80	0.53	0.07	0.15	0.08	0.13	-	0.27	0.41	0.11	0.20	0.02	0.48	1.41	0.14	0.16	0.98	0.26	-
240053001	Maryland	Baltimore	71.60	74.50	0.27	0.06	0.24	0.09	0.17	0.01	0.24	0.51	0.07	0.10	0.03	0.73	1.51	0.22	0.37	1.01	0.32	-
240090011	Maryland	Calvert	68.20	71.00	0.62	0.10	0.21	0.11	0.14	-	0.26	0.57	0.13	0.38	0.01	0.53	1.04	0.18	0.16	1.67	0.66	-
240130001	Maryland	Carroll	65.90	68.20	0.22	0.06	0.31	0.06	0.14	0.05	0.29	0.64	0.09	0.17	0.03	0.90	2.26	0.23	0.46	1.46	0.30	-
240150003	Maryland	Cecil	71.10	73.70	0.25	0.06	0.24	0.09	0.12	0.01	0.13	0.60	0.14	0.39	0.02	0.89	1.49	0.33	0.25	2.16	0.17	-
240170010	Maryland	Charles	67.00	70.40	0.66	0.09	0.21	0.11	0.14	-	0.17	0.78	0.14	0.37	0.01	0.53	1.08	0.18	0.16	1.68	0.65	-
240199991	Maryland	Dorchester	64.20	64.20	0.33	0.06	0.11	0.08	0.15	-	-	0.45	0.13	0.52	0.02	0.45	0.98	0.15	0.21	2.24	0.31	-
240210037	Maryland	Frederick	67.00	69.40	0.09	0.07	0.29	0.07	0.18	-	0.01	0.04	0.06	0.08	0.03	1.08	2.63	0.27	0.53	1.54	0.18	-
240230002	Maryland	Garrett	61.10	63.70	0.10	0.06	0.40	0.07	0.22	-	-	-	0.04	0.08	0.04	1.34	1.98	0.32	0.66	1.40	0.21	-
240259001	Maryland	Harford	68.70	71.00	0.07	0.03	0.13	0.04	0.10	-	0.03	0.53	0.04	0.08	0.02	0.65	1.29	0.18	0.20	0.78	0.07	-
240290002	Maryland	Kent	67.30	70.10	0.64	0.08	0.32	0.10	0.19	0.03	0.68	0.39	0.09	0.36	0.03	0.73	2.59	0.24	0.45	2.60	0.29	-
240313001	Maryland	Montgomery	66.30	67.50	0.13	0.03	0.15	0.05	0.10	-	0.07	1.37	0.05	0.13	0.02	0.62	1.45	0.14	0.19	1.20	0.14	-
240330030	Maryland	Prince George's	67.90	70.50	0.35	0.06	0.18	0.07	0.15	-	0.04	1.35	0.08	0.12	0.03	0.70	1.80	0.19	0.34	1.07	0.19	-
240338003	Maryland	Prince George's	70.40	74.50	0.70	0.07	0.25	0.08	0.17	-	0.19	2.78	0.10	0.40	0.02	0.63	2.54	0.19	0.41	3.07	0.26	-
240339991	Maryland	Prince George's	68.70	68.70	0.20	0.05	0.14	0.05	0.12	-	0.09	1.52	0.05	0.10	0.02	0.55	1.18	0.16	0.27	0.75	0.14	-
240430009	Maryland	Washington	63.30	65.30	0.59	0.07	0.17	0.08	0.20	-	-	0.03	0.11	0.16	0.04	0.95	2.04	0.27	0.42	0.80	0.20	-
245100054	Maryland	Baltimore (City)	67.20	68.40	0.02	0.01	0.04	0.02	0.07	0.01	0.03	0.50	0.01	0.06	0.01	0.40	0.47	0.12	0.11	0.34	0.02	0.01

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	
220050004	Louisiana	Ascension	66.50	68.50	0.02	-	0.08	0.07	2.17	0.26	0.04	0.11	0.02	-	-	0.06	0.01	0.24	0.04	0.07	0.20	0.01	
220150008	Louisiana	Bossier	71.50	74.00	0.02	-	0.02	0.04	0.96	0.15	0.02	0.10	0.02	-	-	0.10	0.01	0.10	0.01	0.04	0.48	0.01	
220170001	Louisiana	Caddo	69.60	70.80	0.02	-	0.01	-	1.37	0.13	0.01	0.05	0.02	-	-	0.11	0.01	0.09	-	0.04	0.36	0.01	
220190002	Louisiana	Calcasieu	70.00	72.60	-	-	0.11	0.08	0.44	0.23	0.02	0.06	0.01	-	-	0.01	-	0.27	0.01	0.05	0.26	-	
220190008	Louisiana	Calcasieu	63.50	64.70	-	-	0.06	0.06	0.35	0.20	0.02	0.06	-	-	-	0.02	-	0.12	0.01	0.02	0.20	-	
220190009	Louisiana	Calcasieu	67.80	69.70	0.02	-	0.23	0.29	0.51	0.64	0.03	0.15	-	-	0.01	0.03	0.03	0.13	0.03	0.03	0.76	-	
220330003	Louisiana	East Baton Rouge	70.60	73.60	-	-	0.48	0.11	2.63	0.60	0.08	0.16	0.05	-	-	0.06	-	0.02	0.06	0.09	0.25	0.02	
220330009	Louisiana	East Baton Rouge	67.50	69.30	0.03	-	0.32	0.10	2.34	0.26	0.08	0.18	0.04	-	-	0.05	0.02	0.32	0.06	0.16	0.22	0.02	
220330013	Louisiana	East Baton Rouge	63.10	64.00	0.01	-	0.08	0.08	0.69	0.26	0.02	0.09	-	-	-	0.09	0.01	0.17	0.02	0.04	0.27	-	
220470009	Louisiana	Iberville	65.80	67.40	-	-	0.38	0.06	2.04	0.29	0.10	0.18	0.04	-	-	0.09	-	0.15	0.03	0.22	0.33	0.02	
220470012	Louisiana	Iberville	68.80	69.70	-	-	0.49	0.12	2.80	0.59	0.09	0.17	0.03	-	-	0.03	0.01	0.03	0.06	0.09	0.22	0.02	
220511001	Louisiana	Jefferson	67.50	69.60	0.01	-	0.37	0.06	2.28	0.34	0.04	0.07	0.02	-	-	0.05	0.02	0.22	0.02	0.16	0.14	0.01	
220550007	Louisiana	Lafayette	63.80	64.70	0.05	-	0.50	0.09	1.92	0.28	0.09	0.19	0.02	-	-	0.08	0.02	0.43	0.05	0.50	0.26	0.02	
220570004	Louisiana	Lafourche	65.60	67.20	-	-	0.30	0.09	2.39	0.25	0.07	0.11	0.03	-	-	0.08	-	0.10	0.05	0.12	0.37	0.02	
220630002	Louisiana	Livingston	65.80	67.60	0.02	-	0.20	0.11	1.89	0.43	0.02	0.08	0.01	-	-	0.04	0.03	0.22	0.01	0.05	0.30	-	
220710012	Louisiana	Orleans	63.50	64.10	0.01	-	0.35	0.06	2.24	0.32	0.04	0.07	0.02	-	-	0.04	0.02	0.21	0.02	0.15	0.12	0.01	
220730004	Louisiana	Ouachita	59.30	61.90	0.03	-	0.01	0.01	1.53	0.23	0.04	0.10	0.04	-	-	0.14	0.01	0.11	0.01	0.03	0.64	0.01	
220770001	Louisiana	Pointe Coupee	65.70	67.20	0.05	-	0.20	0.01	1.20	0.41	0.01	0.04	0.01	-	0.01	0.09	0.05	0.47	-	0.12	0.11	-	
220870004	Louisiana	St. Bernard	64.30	64.30	0.02	-	0.27	0.07	1.93	0.18	0.03	0.08	0.02	-	-	0.10	0.02	0.24	0.01	0.13	0.18	0.01	
220890003	Louisiana	St. Charles	64.10	65.90	0.01	-	0.30	0.09	2.54	0.35	0.05	0.09	0.02	-	-	0.03	0.01	0.16	0.04	0.13	0.17	0.01	
220930002	Louisiana	St. James	61.70	62.60	-	-	0.39	0.10	2.07	0.33	0.07	0.15	0.02	-	-	0.02	-	0.02	0.06	0.20	0.22	0.02	
220950002	Louisiana	St. John the Baptist	67.20	68.10	0.01	-	0.27	0.16	2.37	0.29	0.05	0.14	0.02	-	-	0.08	0.01	0.19	0.05	0.13	0.35	0.02	
221030002	Louisiana	St. Tammany	67.00	67.60	0.01	-	0.12	0.14	1.62	0.43	0.03	0.10	0.01	-	-	0.05	0.01	0.13	0.02	0.03	0.31	-	
221210001	Louisiana	West Baton Rouge	63.20	64.80	0.02	-	0.30	0.09	2.19	0.24	0.08	0.16	0.04	-	-	0.05	0.01	0.30	0.05	0.15	0.20	0.02	
																-							
230052003	Maine	Cumberland	61.40	62.10	0.68	8.89	1.41	0.06	0.10	0.36	0.02	0.07	-	2.42	2.25	0.07	4.58	0.27	0.03	1.32	0.35	-	
230130004	Maine	Knox	60.00	61.10	1.30	9.08	1.07	0.14	0.07	0.56	0.02	0.08	-	1.79	1.47	0.06	3.96	0.54	0.04	1.28	0.28	-	
230230006	Maine	Sagadahoc	53.80	53.80	0.35	8.66	1.45	0.07	0.07	0.31	0.02	0.05	-	1.88	1.60	0.05	3.98	0.27	0.03	1.31	0.30	-	
230312002	Maine	York	64.90	66.10	0.82	12.73	1.26	0.08	0.11	0.38	0.03	0.07	-	3.10	2.01	0.08	4.28	0.35	0.04	1.45	0.33	0.01	
240030014	Maryland	Anne Arundel	71.00	74.50	17.10	-	0.84	0.11	0.11	0.82	0.05	0.15	0.01	-	0.78	0.13	1.00	0.07	0.07	4.03	0.47	0.01	
240051007	Maryland	Baltimore	70.20	72.80	14.63	-	0.85	0.15	0.17	0.51	0.05	0.06	0.02	-	0.19	0.17	0.66	0.73	0.07	4.09	0.29	0.01	
240053001	Maryland	Baltimore	71.60	74.50	22.90	-	0.99	0.11	0.14	0.76	0.05	0.18	0.02	-	0.54	0.14	0.55	0.48	0.05	3.98	0.53	0.01	
240090011	Maryland	Calvert	68.20	71.00	13.45	-	0.95	0.09	0.27	0.51	0.03	0.06	0.02	-	0.32	0.31	0.42	0.32	0.03	3.15	0.33	0.01	
240130001	Maryland	Carroll	65.90	68.20	13.15	0.03	0.87	0.07	0.16	1.05	0.04	0.23	0.02	-	0.67	0.11	0.97	0.29	0.06	2.81	0.63	0.01	
240150003	Maryland	Cecil	71.10	73.70	17.47	0.01	0.49	0.16	0.07	0.91	0.04	0.12	0.02	-	0.13	0.13	0.28	0.31	0.06	2.77	0.35	0.01	
240170010	Maryland	Charles	67.00	70.40	11.69	-	1.01	0.09	0.27	0.54	0.03	0.06	0.02	-	0.23	0.30	0.33	0.22	0.03	3.41	0.32	0.01	
240199991	Maryland	Dorchester	64.20	64.20	10.15	-	0.16	0.07	0.12	0.42	0.04	0.10	0.02	-	-	0.16	0.02	3.06	0.03	1.83	0.29	0.01	
240210037	Maryland	Frederick	67.00	69.40	10.55	-	0.96	0.11	0.07	1.10	0.05	0.28	0.02	-	0.01	0.13	0.35	0.03	0.06	3.79	0.70	0.01	
240230002	Maryland	Garrett	61.10	63.70	0.75	-	0.77	0.14	0.11	1.00	0.05	0.34	0.02	-	-	0.16	0.07	0.10	0.05	4.53	0.67	0.01	
240259001	Maryland	Harford	68.70	71.00	19.34	-	1.12	0.13	0.02	0.53	0.07	0.09	0.01	-	0.01	0.06	0.06	0.51	0.06	3.88	0.32	0.01	
240290002	Maryland	Kent	67.30	70.10	15.76	0.01	0.61	0.07	0.20	0.95	0.05	0.23	0.02	-	1.14	0.17	1.19	0.17	0.06	4.34	0.60	0.01	
240313001	Maryland	Montgomery	66.30	67.50	18.72	-	0.83	0.11	0.07	0.54	0.05	0.08	0.01	-	0.04	0.07	0.17	1.22	0.04	3.72	0.29	0.01	
240330030	Maryland	Prince George's	67.90	70.50	18.65	-	0.93	0.11	0.09	0.73	0.06	0.17	0.02	-	0.06	0.14	0.19	1.00	0.05	4.38	0.47	0.01	
240338003	Maryland	Prince George's	70.40	74.50	12.05	-	0.69	0.11	0.15	0.86	0.06	0.18	0.02	-	0.34	0.16	0.24	0.16	0.06	4.52	0.54	0.01	
240339991	Maryland	Prince George's	68.70	68.70	19.32	0.01	0.74	0.10	0.06	0.58	0.04	0.14	0.01	-	0.16	0.10	0.48	0.98	0.05	3.08	0.36	0.01	
240430009	Maryland	Washington	63.30	65.30	5.87	-	1.33	0.16	0.13	0.55	0.08	0.26	0.02	-	-	0.16	0.11	0.01	0.09	6.56	0.44	0.02	
245100054	Maryland	Baltimore (City)	67.20	68.40	22.43	0.02	0.76	0.10	0.01	0.18	0.04	0.07	0.01	-	0.06	0.03	0.35	1.60	0.04	2.64	0.12	0.01	

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
220050004	Louisiana	Ascension	66.50	68.50	0.07	-	0.16	0.03	0.38	1.02	0.06	-	0.09	0.02	0.04	0.10	0.18	0.01	4.82	3.67	16.36
220150008	Louisiana	Bossier	71.50	74.00	0.04	-	0.08	0.01	0.09	14.43	0.07	-	0.05	0.01	0.03	0.02	0.14	0.01	3.24	4.65	19.76
220170001	Louisiana	Caddo	69.60	70.80	0.05	-	0.05	-	0.12	11.86	0.07	-	0.05	-	0.03	-	0.10	0.02	2.59	4.48	18.20
220190002	Louisiana	Calcasieu	70.00	72.60	0.02	-	0.34	0.01	0.11	6.62	0.03	-	0.08	-	0.05	0.09	0.07	-	17.78	2.32	21.26
220190008	Louisiana	Calcasieu	63.50	64.70	0.01	-	0.15	0.01	0.07	7.03	0.02	-	0.03	-	0.02	0.05	0.06	-	14.43	2.13	19.78
220190009	Louisiana	Calcasieu	67.80	69.70	0.05	-	0.06	0.04	0.12	16.10	-	-	0.07	-	0.04	0.24	0.06	-	11.69	3.41	20.92
220330003	Louisiana	East Baton Rouge	70.60	73.60	-	-	0.02	0.04	0.61	0.83	0.11	-	-	0.03	-	0.36	0.25	0.01	2.97	3.88	18.75
220330009	Louisiana	East Baton Rouge	67.50	69.30	0.10	-	0.22	0.05	0.51	1.33	0.10	-	0.14	0.03	0.07	0.15	0.26	0.02	3.30	3.97	17.60
220330013	Louisiana	East Baton Rouge	63.10	64.00	0.04	-	0.15	0.03	0.45	1.64	0.03	-	0.06	-	0.04	0.04	0.06	0.01	10.62	3.36	16.86
220470009	Louisiana	Iberville	65.80	67.40	0.02	-	0.12	0.04	0.94	0.99	0.09	-	0.06	0.03	0.05	0.14	0.29	0.01	3.31	4.40	15.95
220470012	Louisiana	Iberville	68.80	69.70	-	-	0.02	0.05	0.66	1.56	0.08	-	0.01	0.03	-	0.35	0.23	0.01	2.93	4.13	17.16
220511001	Louisiana	Jefferson	67.50	69.60	0.05	-	0.17	0.02	0.65	0.72	0.06	-	0.09	0.02	0.06	0.16	0.13	0.01	6.15	3.01	17.70
220550007	Louisiana	Lafayette	63.80	64.70	0.13	-	0.31	0.04	1.02	1.35	0.05	-	0.23	0.03	0.16	0.18	0.18	0.01	4.46	4.49	19.22
220570004	Louisiana	Lafourche	65.60	67.20	0.02	-	0.08	0.04	0.69	2.55	0.07	-	0.04	0.03	0.03	0.17	0.19	0.01	3.11	4.61	15.06
220630002	Louisiana	Livingston	65.80	67.60	0.08	-	0.13	0.02	0.30	1.30	0.03	-	0.09	-	0.04	0.17	0.08	-	6.85	3.27	17.55
220710012	Louisiana	Orleans	63.50	64.10	0.05	-	0.16	0.02	0.63	0.66	0.05	-	0.08	0.01	0.05	0.15	0.12	0.01	6.03	2.74	16.53
220730004	Louisiana	Ouachita	59.30	61.90	0.06	-	0.07	0.01	0.19	4.18	0.14	-	0.07	0.01	0.04	-	0.23	0.03	1.97	4.50	18.31
220770001	Louisiana	Pointe Coupee	65.70	67.20	0.16	-	0.34	-	0.50	1.17	0.05	-	0.21	-	0.11	0.05	0.10	0.02	7.19	3.74	17.85
220870004	Louisiana	St. Bernard	64.30	64.30	0.06	-	0.17	0.02	0.57	1.08	0.05	-	0.09	0.01	0.05	0.12	0.10	0.02	9.94	2.87	16.36
220890003	Louisiana	St. Charles	64.10	65.90	0.04	-	0.11	0.03	0.50	0.81	0.05	-	0.06	0.02	0.04	0.17	0.13	0.01	3.78	3.13	16.70
220930002	Louisiana	St. James	61.70	62.60	-	-	0.01	0.05	0.61	1.22	0.04	-	0.01	0.03	0.01	0.19	0.16	-	3.34	3.72	16.22
220950002	Louisiana	St. John the Baptist	67.20	68.10	0.06	-	0.11	0.05	0.45	1.08	0.07	-	0.07	0.02	0.03	0.20	0.14	0.01	4.15	4.01	16.93
221030002	Louisiana	St. Tammany	67.00	67.60	0.02	-	0.13	0.03	0.43	1.71	0.03	-	0.05	-	0.03	0.12	0.09	0.01	8.94	3.09	17.80
221210001	Louisiana	West Baton Rouge	63.20	64.80	0.09	-	0.21	0.04	0.47	1.24	0.09	-	0.13	0.03	0.06	0.14	0.24	0.01	3.09	3.72	16.48
230052003	Maine	Cumberland	61.40	62.10	3.55	0.56	0.03	0.01	0.24	0.54	0.02	0.12	0.63	0.01	0.14	0.14	0.06	0.01	6.64	3.04	15.24
230130004	Maine	Knox	60.00	61.10	3.30	0.87	0.17	0.02	0.26	0.43	0.02	0.11	1.24	-	0.49	0.16	0.05	0.01	7.32	3.33	14.28
230230006	Maine	Sagadahoc	53.80	53.80	2.84	0.83	0.05	0.01	0.19	0.45	0.02	0.11	0.33	-	0.17	0.16	0.04	-	5.62	2.79	12.77
230312002	Maine	York	64.90	66.10	3.05	0.71	0.04	0.02	0.29	0.61	0.02	0.10	0.87	0.02	0.18	0.13	0.06	0.01	6.88	3.22	15.49
240030014	Maryland	Anne Arundel	71.00	74.50	8.50	-	0.02	0.05	0.20	0.90	0.05	-	3.35	0.03	1.64	0.14	0.15	0.02	2.31	4.42	16.70
240051007	Maryland	Baltimore	70.20	72.80	10.32	-	0.16	0.03	0.34	0.89	0.06	-	3.53	0.02	1.01	0.29	0.16	0.02	2.72	5.36	17.00
240053001	Maryland	Baltimore	71.60	74.50	7.00	-	0.06	0.07	0.37	1.00	0.08	-	3.31	0.02	1.99	0.22	0.18	0.02	1.41	4.96	13.29
240090011	Maryland	Calvert	68.20	71.00	7.78	-	0.06	0.02	0.38	1.49	0.06	-	6.38	0.01	2.45	0.15	0.11	0.02	2.07	4.96	14.95
240130001	Maryland	Carroll	65.90	68.20	6.45	-	0.08	0.10	0.31	1.10	0.08	-	4.45	0.01	1.96	0.20	0.20	0.02	2.16	6.53	13.15
240150003	Maryland	Cecil	71.10	73.70	6.23	-	0.06	0.04	0.47	0.79	0.07	-	4.99	0.02	3.34	0.23	0.17	0.02	1.72	4.96	17.06
240170010	Maryland	Charles	67.00	70.40	7.56	-	0.05	0.02	0.40	1.49	0.05	-	7.18	0.01	2.52	0.14	0.10	0.02	1.97	4.84	14.89
240199991	Maryland	Dorchester	64.20	64.20	0.50	-	0.47	0.04	0.61	0.72	0.07	-	16.71	0.01	2.63	0.11	0.17	0.02	1.72	4.68	12.88
240210037	Maryland	Frederick	67.00	69.40	6.12	-	0.02	0.11	0.22	1.03	0.09	-	1.42	0.01	4.97	0.32	0.22	0.03	2.11	6.69	18.04
240230002	Maryland	Garrett	61.10	63.70	2.95	-	0.02	0.09	0.24	1.00	0.09	-	0.16	0.02	15.06	0.24	0.21	0.02	1.29	4.88	18.90
240259001	Maryland	Harford	68.70	71.00	9.42	-	0.07	0.03	0.15	0.56	0.05	-	3.79	0.03	2.22	0.29	0.14	0.01	1.18	4.51	15.55
240290002	Maryland	Kent	67.30	70.10	5.08	-	0.11	0.08	0.98	1.15	0.10	-	1.49	0.01	2.37	0.10	0.24	0.03	1.35	5.84	12.73
240313001	Maryland	Montgomery	66.30	67.50	5.55	-	0.18	0.03	0.26	0.62	0.05	-	6.23	0.02	2.50	0.25	0.15	0.01	1.64	4.31	12.44
240330030	Maryland	Prince George's	67.90	70.50	6.49	-	0.11	0.06	0.26	0.85	0.07	-	3.81	0.02	2.13	0.22	0.18	0.02	1.63	4.70	13.32
240338003	Maryland	Prince George's	70.40	74.50	4.90	-	0.11	0.06	0.99	0.99	0.08	-	7.67	0.02	2.84	0.14	0.20	0.03	1.14	5.23	13.73
240339991	Maryland	Prince George's	68.70	68.70	5.63	-	0.11	0.05	0.20	0.64	0.05	-	5.63	0.01	2.12	0.22	0.14	0.01	2.05	4.22	15.74
240430009	Maryland	Washington	63.30	65.30	6.39	-	0.01	0.11	0.12	0.79	0.08	-	0.66	0.03	6.05	0.37	0.21	0.03	1.85	5.54	18.96
245100054	Maryland	Baltimore (City)	67.20	68.40	7.23	-	0.15	0.02	0.12	0.21	0.03	-	3.66	0.01	2.27	0.23	0.09	-	1.82	3.01	17.34



Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
250010002	Massachusetts	Barnstable	64.40	66.10	0.03	0.02	0.05	0.03	0.05	2.44	0.31	0.04	0.05	0.11	0.01	0.23	0.30	0.11	0.12	0.15	0.04	0.10
250051002	Massachusetts	Bristol	66.50	66.50	0.17	0.03	0.19	0.04	0.10	4.68	0.35	0.04	0.08	0.21	0.02	0.72	0.98	0.24	0.24	0.51	0.13	0.02
250070001	Massachusetts	Dukes	69.10	71.80	0.20	0.04	0.21	0.05	0.11	3.10	0.64	0.04	0.08	0.22	0.02	0.61	0.89	0.16	0.27	0.50	0.12	-
250092006	Massachusetts	Essex	62.40	62.40	0.19	0.04	0.44	0.04	0.12	2.32	0.32	0.02	0.05	0.15	0.01	0.90	1.19	0.12	0.26	0.37	0.14	0.03
250094005	Massachusetts	Essex	61.80	61.80	0.20	0.04	0.44	0.04	0.11	1.56	0.29	0.02	0.29	0.35	0.01	0.73	0.91	0.11	0.26	0.30	0.15	0.07
250095005	Massachusetts	Essex	61.10	61.80	0.22	0.04	0.44	0.04	0.12	1.54	0.25	0.02	0.33	0.37	0.01	0.89	1.10	0.14	0.28	0.35	0.15	0.02
250130008	Massachusetts	Hampden	64.70	65.00	0.27	0.05	0.30	0.05	0.12	6.34	0.35	0.03	0.06	0.25	0.01	0.56	1.00	0.09	0.21	0.54	0.14	0.03
250150103	Massachusetts	Hampshire	57.10	58.30	0.17	0.04	0.08	0.06	0.10	3.29	0.29	0.03	0.11	0.17	0.02	0.78	0.90	0.19	0.21	0.43	0.12	0.02
250154002	Massachusetts	Hampshire	62.30	63.00	0.29	0.06	0.31	0.06	0.15	4.82	0.26	0.02	0.09	0.26	0.02	0.97	1.23	0.18	0.27	0.59	0.17	0.03
250170009	Massachusetts	Middlesex	59.20	59.80	0.29	0.06	0.45	0.06	0.14	3.19	0.22	0.02	0.08	0.23	0.02	0.99	1.34	0.16	0.28	0.51	0.19	0.05
250171102	Massachusetts	Middlesex	58.80	58.80	0.21	0.05	0.38	0.05	0.14	3.05	0.21	0.03	0.06	0.19	0.03	1.00	1.21	0.22	0.27	0.42	0.12	0.01
250213003	Massachusetts	Norfolk	63.50	64.10	0.19	0.05	0.44	0.07	0.15	2.35	0.24	0.02	0.06	0.19	0.04	1.05	1.28	0.25	0.35	0.43	0.15	-
250250041	Massachusetts	Suffolk	60.50	62.00	0.15	0.04	0.39	0.05	0.12	1.37	0.15	0.01	0.04	0.15	0.01	0.69	0.95	0.14	0.25	0.36	0.11	0.17
250250042	Massachusetts	Suffolk	53.20	53.50	0.16	0.04	0.37	0.04	0.10	1.82	0.18	0.02	0.04	0.14	0.01	0.81	1.05	0.12	0.23	0.34	0.11	0.09
250270015	Massachusetts	Worcester	59.90	61.40	0.27	0.05	0.34	0.06	0.14	4.41	0.28	0.03	0.08	0.25	0.02	0.98	1.26	0.17	0.26	0.55	0.16	0.03
250270024	Massachusetts	Worcester	60.40	61.20	0.04	0.02	0.08	0.04	0.08	4.98	0.30	0.04	0.04	0.09	0.02	0.94	1.04	0.28	0.24	0.61	0.05	-
260190003	Michigan	Benzie	65.10	66.90	0.23	0.04	0.83	0.03	0.09	-	-	-	0.11	0.16	0.02	14.04	4.37	1.57	0.96	0.97	0.60	-
260210014	Michigan	Berrien	72.80	74.90	0.23	0.06	0.96	0.09	0.17	-	-	-	0.15	0.18	0.03	21.60	7.79	0.83	1.13	0.34	0.71	-
260270003	Michigan	Cass	67.30	68.50	0.37	0.05	0.79	0.10	0.14	-	-	-	0.13	0.17	0.05	14.04	11.47	0.59	1.23	0.29	0.80	-
260370001	Michigan	Clinton	60.40	61.80	0.20	0.04	0.31	0.06	0.09	-	-	-	0.12	0.15	0.02	3.45	2.99	0.69	0.76	0.95	0.34	-
260490021	Michigan	Genesee	64.70	67.40	0.14	0.04	0.22	0.09	0.13	0.04	0.01	-	0.16	0.15	0.04	1.43	1.71	0.32	0.48	0.72	0.26	-
260492001	Michigan	Genesee	63.40	64.90	0.04	0.05	0.22	0.10	0.13	-	-	-	0.05	0.03	0.05	1.93	1.40	0.30	0.34	0.42	0.24	-
260630007	Michigan	Huron	64.70	67.20	0.38	0.05	0.20	0.08	0.07	-	0.01	-	0.12	0.24	0.02	1.17	2.55	0.09	0.15	1.24	0.38	-
260650012	Michigan	Ingham	61.40	62.90	0.20	0.03	0.31	0.06	0.08	-	-	-	0.12	0.15	0.02	3.89	3.10	0.71	0.78	0.93	0.35	-
260770008	Michigan	Kalamazoo	64.70	65.90	0.30	0.06	1.08	0.10	0.17	-	-	-	0.20	0.22	0.03	8.89	6.58	1.05	1.73	0.36	0.92	-
260810020	Michigan	Kent	64.40	66.20	0.28	0.07	2.22	0.05	0.20	-	-	-	0.13	0.18	-	12.28	4.46	1.00	1.36	0.29	0.77	-
260810022	Michigan	Kent	63.50	64.60	0.27	0.07	2.06	0.05	0.19	-	-	-	0.13	0.18	-	11.70	3.98	0.97	1.34	0.29	0.77	-
260910007	Michigan	Lenawee	66.90	67.30	0.08	0.03	0.21	0.07	0.12	0.03	-	-	0.11	0.10	0.03	3.05	3.01	0.43	0.30	0.27	0.18	0.01
260990009	Michigan	Macomb	69.90	71.10	0.41	0.08	0.36	0.14	0.20	-	-	-	0.15	0.19	0.05	2.05	3.63	0.37	0.63	1.73	0.57	-
260991003	Michigan	Macomb	72.10	73.70	0.16	0.05	0.27	0.15	0.17	-	-	-	0.09	0.15	0.07	2.27	3.29	0.52	0.53	0.96	0.22	-
261010922	Michigan	Manistee	64.20	65.70	0.23	0.04	0.85	0.03	0.09	-	-	-	0.11	0.16	0.02	14.75	4.60	1.50	0.96	0.95	0.61	-
261050007	Michigan	Mason	65.20	66.70	0.22	0.04	0.94	0.04	0.09	-	-	-	0.11	0.15	0.02	18.62	3.27	1.64	0.95	0.05	0.58	-
261210039	Michigan	Muskegon	70.80	72.90	0.24	0.04	1.33	0.06	0.15	-	-	-	0.08	0.14	0.02	21.58	6.63	0.68	0.82	0.43	0.48	-
261250001	Michigan	Oakland	69.80	71.40	0.17	0.05	0.27	0.14	0.17	-	-	-	0.09	0.15	0.06	2.34	3.44	0.53	0.57	0.93	0.23	-
261390005	Michigan	Ottawa	67.30	69.00	0.29	0.07	2.36	0.05	0.20	-	-	-	0.13	0.18	-	16.39	5.72	0.95	1.27	0.29	0.78	-
261470005	Michigan	St. Clair	67.50	69.10	0.55	0.07	0.18	0.10	0.15	-	-	-	0.32	0.22	0.02	0.66	4.72	0.08	0.14	2.03	0.47	-
261610008	Michigan	Washtenaw	65.80	68.20	0.06	0.03	0.23	0.09	0.11	-	0.01	-	0.04	0.04	0.04	1.65	1.36	0.51	0.40	0.53	0.15	-
261630001	Michigan	Wayne	64.90	67.00	0.02	0.02	0.07	0.08	0.09	-	-	-	0.02	0.03	0.04	0.76	2.07	0.26	0.24	0.58	0.09	-
261630019	Michigan	Wayne	72.70	74.80	0.13	0.03	0.25	0.13	0.15	-	-	-	0.04	0.11	0.06	1.61	3.51	0.30	0.42	1.02	0.18	-
270031001	Minnesota	Anoka	58.70	58.70	0.06	0.12	0.26	0.08	0.29	-	-	-	0.05	0.04	0.01	0.33	0.21	2.06	1.56	0.18	0.16	-
270031002	Minnesota	Anoka	60.10	60.80	0.07	0.10	0.14	0.06	0.29	-	-	-	0.05	0.05	0.02	0.02	0.01	1.48	1.41	0.01	0.15	-
270953051	Minnesota	Mille Lacs	52.70	52.90	0.13	0.05	0.30	0.06	0.11	-	-	-	0.05	0.07	0.02	0.44	0.19	2.24	1.19	0.18	0.36	-
271453052	Minnesota	Stearns	56.00	56.40	0.07	0.06	0.18	0.15	0.21	-	-	-	0.04	0.06	0.11	0.32	0.10	2.12	1.29	0.03	0.18	-
271713201	Minnesota	Wright	58.00	58.40	0.07	0.09	0.16	0.11	0.26	-	-	-	0.04	0.05	0.13	0.10	0.05	1.48	1.47	0.02	0.15	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
250010002	Massachusetts	Barnstable	64.40	66.10	1.18	15.81	0.48	0.07	0.01	0.21	0.02	0.06	-	0.26	2.07	0.03	5.47	0.64	0.05	0.82	0.18	0.01
250051002	Massachusetts	Bristol	66.50	66.50	1.39	1.30	0.68	0.11	0.10	0.51	0.05	0.10	0.01	0.02	3.81	0.07	11.05	0.66	0.08	1.80	0.36	0.02
250070001	Massachusetts	Dukes	69.10	71.80	1.22	0.87	0.72	0.12	0.11	0.51	0.05	0.12	0.01	0.03	6.26	0.08	11.76	0.70	0.08	1.75	0.36	0.01
250092006	Massachusetts	Essex	62.40	62.40	1.00	9.36	1.67	0.13	0.13	0.55	0.03	0.09	0.01	0.50	1.89	0.09	4.78	0.25	0.05	2.29	0.40	-
250094005	Massachusetts	Essex	61.80	61.80	0.79	11.20	1.32	0.07	0.13	0.48	0.02	0.08	0.01	2.30	1.59	0.09	3.67	0.60	0.02	1.89	0.38	-
250095005	Massachusetts	Essex	61.10	61.80	0.72	10.08	1.36	0.08	0.14	0.54	0.02	0.09	0.01	1.75	1.38	0.10	3.60	0.79	0.03	2.09	0.42	-
250130008	Massachusetts	Hampden	64.70	65.00	1.60	2.02	0.98	0.09	0.14	0.41	0.02	0.07	0.01	0.04	3.32	0.12	8.26	0.18	0.03	2.44	0.28	-
250150103	Massachusetts	Hampshire	57.10	58.30	1.19	2.93	1.12	0.12	0.05	0.38	0.04	0.10	0.01	0.02	2.64	0.08	7.66	0.27	0.05	2.25	0.33	0.01
250154002	Massachusetts	Hampshire	62.30	63.00	1.01	3.54	1.20	0.14	0.15	0.59	0.03	0.12	0.01	0.03	2.69	0.12	7.63	0.17	0.05	2.63	0.42	0.01
250170009	Massachusetts	Middlesex	59.20	59.80	0.89	4.62	1.52	0.14	0.17	0.58	0.03	0.11	0.01	0.42	1.96	0.12	5.60	0.17	0.06	2.63	0.43	0.01
250171102	Massachusetts	Middlesex	58.80	58.80	1.02	5.62	1.55	0.18	0.13	0.58	0.05	0.12	0.01	0.12	1.66	0.09	4.94	0.27	0.08	2.41	0.42	0.01
250213003	Massachusetts	Norfolk	63.50	64.10	0.98	7.92	1.86	0.21	0.13	0.77	0.06	0.15	0.01	0.05	1.31	0.10	4.76	0.28	0.15	2.43	0.57	0.02
250250041	Massachusetts	Suffolk	60.50	62.00	0.64	16.23	0.94	0.09	0.10	0.53	0.03	0.09	0.01	0.60	0.80	0.09	2.89	0.38	0.03	1.83	0.38	0.01
250250042	Massachusetts	Suffolk	53.20	53.50	0.73	8.44	1.17	0.11	0.11	0.52	0.03	0.08	0.01	0.52	1.04	0.08	3.61	0.21	0.04	1.86	0.37	0.01
250270015	Massachusetts	Worcester	59.90	61.40	1.08	3.22	1.17	0.13	0.15	0.59	0.03	0.11	0.01	0.03	2.44	0.11	6.67	0.21	0.05	2.54	0.42	-
250270024	Massachusetts	Worcester	60.40	61.20	1.42	2.42	0.99	0.26	0.02	0.63	0.05	0.12	0.01	0.01	2.30	0.04	7.41	0.39	0.08	1.84	0.33	0.01
260190003	Michigan	Benzie	65.10	66.90	0.01	-	2.53	0.21	0.25	1.54	0.08	0.10	0.01	-	-	0.10	0.01	0.05	0.11	0.78	1.42	0.01
260210014	Michigan	Berrien	72.80	74.90	0.01	-	1.95	0.32	0.29	3.51	0.12	0.19	0.02	-	-	0.15	-	0.06	0.30	0.07	2.14	0.02
260270003	Michigan	Cass	67.30	68.50	0.01	-	1.84	0.30	0.37	3.02	0.18	0.27	0.03	-	-	0.12	-	0.07	0.37	0.08	2.03	0.02
260370001	Michigan	Clinton	60.40	61.80	0.08	-	12.16	0.25	0.17	1.54	0.06	0.21	0.01	-	-	0.05	0.12	0.28	0.03	2.51	0.84	0.01
260490021	Michigan	Genesee	64.70	67.40	0.14	0.06	16.05	0.36	0.14	0.87	0.06	0.12	0.02	-	0.07	0.09	0.42	0.34	0.11	4.44	0.45	0.04
260492001	Michigan	Genesee	63.40	64.90	0.12	-	16.73	0.24	0.06	0.72	0.07	0.13	0.02	-	0.01	0.07	0.22	0.25	0.10	4.86	0.50	0.03
260630007	Michigan	Huron	64.70	67.20	0.20	0.01	13.43	0.04	0.26	0.54	0.02	0.06	0.02	-	0.03	0.12	0.44	0.43	0.01	6.23	0.34	0.01
260650012	Michigan	Ingham	61.40	62.90	0.08	-	12.52	0.28	0.17	1.58	0.06	0.20	0.01	-	-	0.05	0.12	0.26	0.03	2.51	0.87	0.01
260770008	Michigan	Kalamazoo	64.70	65.90	0.01	-	4.99	0.36	0.33	3.95	0.07	0.31	0.02	-	-	0.13	-	0.08	0.29	0.07	2.41	0.01
260810020	Michigan	Kent	64.40	66.20	0.01	-	7.45	0.08	0.42	3.48	-	0.16	0.01	-	-	0.18	-	0.07	0.01	0.06	1.83	-
260810022	Michigan	Kent	63.50	64.60	0.01	-	7.91	0.06	0.39	3.37	-	0.15	0.01	-	-	0.18	-	0.07	-	0.06	1.87	-
260910007	Michigan	Lenawee	66.90	67.30	0.05	0.05	14.02	0.49	0.08	0.61	0.09	0.12	0.01	0.01	0.05	0.09	0.29	0.08	0.15	7.32	0.29	0.04
260990009	Michigan	Macomb	69.90	71.10	0.04	-	20.18	0.08	0.44	1.33	0.10	0.26	0.03	-	0.01	0.16	0.06	0.39	0.03	4.32	0.75	0.02
260991003	Michigan	Macomb	72.10	73.70	0.04	-	21.25	0.26	0.11	1.13	0.17	0.23	0.04	-	0.01	0.06	0.06	0.39	0.18	3.86	0.62	0.06
261010922	Michigan	Manistee	64.20	65.70	0.01	-	2.49	0.21	0.26	1.56	0.07	0.10	0.01	-	-	0.10	0.01	0.05	0.10	0.76	1.39	0.01
261050007	Michigan	Mason	65.20	66.70	0.01	-	2.54	0.28	0.26	1.48	0.11	0.13	0.01	-	-	0.10	-	0.05	0.16	0.02	1.31	0.01
261210039	Michigan	Muskegon	70.80	72.90	0.01	-	5.18	0.23	0.30	2.46	0.10	0.20	0.01	-	-	0.11	-	0.05	0.13	0.19	1.20	0.01
261250001	Michigan	Oakland	69.80	71.40	0.03	-	20.75	0.26	0.12	1.18	0.14	0.21	0.03	-	0.01	0.07	0.05	0.36	0.13	4.04	0.66	0.05
261390005	Michigan	Ottawa	67.30	69.00	0.01	-	4.62	0.08	0.44	3.34	-	0.16	0.01	-	-	0.19	-	0.07	0.01	0.06	1.73	-
261470005	Michigan	St. Clair	67.50	69.10	0.03	-	16.11	0.10	0.49	0.32	0.05	0.06	0.03	-	0.01	0.18	0.10	0.30	0.06	7.33	0.24	0.01
261610008	Michigan	Washtenaw	65.80	68.20	0.11	-	20.49	0.41	0.06	0.75	0.10	0.16	0.02	-	0.03	0.08	0.22	0.57	0.14	5.22	0.43	0.05
261630001	Michigan	Wayne	64.90	67.00	0.02	-	17.70	0.37	0.03	0.28	0.11	0.09	0.02	-	0.01	0.04	0.09	0.27	0.16	8.91	0.19	0.04
261630019	Michigan	Wayne	72.70	74.80	0.03	-	19.44	0.30	0.11	0.57	0.18	0.18	0.03	-	0.01	0.04	0.10	0.37	0.20	7.70	0.33	0.06
270031001	Minnesota	Anoka	58.70	58.70	-	-	0.03	23.70	0.05	1.83	0.03	0.94	0.01	-	-	0.23	-	0.01	0.17	0.11	1.95	0.01
270031002	Minnesota	Anoka	60.10	60.80	-	-	-	25.15	0.05	0.23	0.11	1.12	0.01	-	-	0.19	-	0.02	0.26	-	1.19	0.01
270953051	Minnesota	Mille Lacs	52.70	52.90	-	-	0.04	15.65	0.14	2.20	0.06	0.60	0.01	-	-	0.18	-	0.02	0.13	0.08	1.73	0.01
271453052	Minnesota	Stearns	56.00	56.40	-	-	0.07	21.64	0.06	0.53	0.20	0.73	0.04	-	-	0.12	-	0.02	0.25	0.05	1.21	0.07
271713201	Minnesota	Wright	58.00	58.40	-	-	-	21.75	0.05	0.39	0.22	1.04	0.03	-	-	0.14	-	0.02	0.43	-	1.19	0.08

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
250010002	Massachusetts	Barnstable	64.40	66.10	3.66	1.60	0.11	0.02	0.03	0.28	0.03	0.08	1.76	0.02	0.36	0.08	0.08	-	7.43	2.74	14.27
250051002	Massachusetts	Bristol	66.50	66.50	5.92	2.13	0.13	0.07	0.25	0.60	0.04	0.01	1.80	0.03	0.60	0.12	0.12	0.01	6.55	3.84	13.16
250070001	Massachusetts	Dukes	69.10	71.80	5.70	0.72	0.11	0.05	0.25	0.60	0.05	0.02	1.61	0.03	0.69	0.18	0.14	0.01	11.51	3.89	11.28
250092006	Massachusetts	Essex	62.40	62.40	4.64	0.61	0.07	0.03	0.37	0.63	0.04	0.05	0.65	0.01	0.26	0.28	0.12	0.01	4.23	3.90	16.31
250094005	Massachusetts	Essex	61.80	61.80	3.32	0.57	0.23	0.02	0.34	0.64	0.03	0.08	0.76	-	0.23	0.18	0.09	0.01	5.37	3.45	15.66
250095005	Massachusetts	Essex	61.10	61.80	3.23	0.77	0.29	0.03	0.36	0.68	0.05	0.10	0.81	-	0.22	0.21	0.12	0.01	4.07	3.72	16.63
250130008	Massachusetts	Hampden	64.70	65.00	6.97	0.05	0.05	0.02	0.46	0.61	0.04	0.02	0.87	-	0.47	0.16	0.07	0.01	3.95	3.78	16.49
250150103	Massachusetts	Hampshire	57.10	58.30	5.60	0.03	0.04	0.04	0.16	0.55	0.06	0.02	0.64	0.01	0.39	0.25	0.15	0.01	3.49	3.56	15.54
250154002	Massachusetts	Hampshire	62.30	63.00	5.00	0.05	0.06	0.04	0.46	0.73	0.07	0.02	0.75	0.01	0.42	0.27	0.17	0.02	3.64	4.34	15.65
250170009	Massachusetts	Middlesex	59.20	59.80	4.12	0.09	0.06	0.04	0.47	0.75	0.06	0.11	0.62	0.01	0.28	0.26	0.16	0.02	4.00	4.32	15.81
250171102	Massachusetts	Middlesex	58.80	58.80	4.02	0.43	0.09	0.05	0.39	0.64	0.06	0.04	0.92	0.01	0.29	0.39	0.18	0.02	3.77	4.26	16.06
250213003	Massachusetts	Norfolk	63.50	64.10	3.58	1.24	0.11	0.06	0.39	0.80	0.07	0.04	0.79	0.03	0.24	0.30	0.19	0.02	4.20	4.79	17.31
250250041	Massachusetts	Suffolk	60.50	62.00	2.28	0.93	0.11	0.03	0.33	0.67	0.04	0.13	0.67	0.02	0.21	0.16	0.10	0.01	5.19	3.46	15.06
250250042	Massachusetts	Suffolk	53.20	53.50	2.91	0.71	0.07	0.03	0.33	0.57	0.04	0.19	0.58	0.01	0.18	0.22	0.11	0.01	4.00	3.53	14.84
250270015	Massachusetts	Worcester	59.90	61.40	4.54	0.05	0.08	0.04	0.45	0.71	0.06	0.03	0.80	0.01	0.38	0.26	0.16	0.02	4.04	4.21	15.51
250270024	Massachusetts	Worcester	60.40	61.20	4.81	0.18	0.12	0.06	0.08	0.41	0.05	0.01	1.37	0.01	0.74	0.33	0.14	0.01	4.50	3.82	16.31
260190003	Michigan	Benzie	65.10	66.90	0.05	-	0.04	0.03	0.19	2.09	0.03	-	0.03	0.03	0.03	8.48	0.11	0.01	1.11	7.26	14.18
260210014	Michigan	Berrien	72.80	74.90	0.02	-	0.05	0.08	0.37	2.97	0.07	-	0.03	0.06	0.03	2.47	0.15	0.02	1.39	7.92	13.51
260270003	Michigan	Cass	67.30	68.50	0.03	-	0.05	0.15	0.38	2.98	0.08	-	0.04	0.08	0.04	0.63	0.22	0.02	1.39	8.20	13.88
260370001	Michigan	Clinton	60.40	61.80	0.88	-	0.05	0.09	0.40	1.30	0.05	-	0.38	0.02	0.60	1.11	0.15	0.01	1.15	6.11	19.42
260490021	Michigan	Genesee	64.70	67.40	1.14	0.01	0.06	0.06	0.21	0.84	0.06	-	0.45	0.05	0.59	0.54	0.19	0.01	4.35	5.18	20.97
260492001	Michigan	Genesee	63.40	64.90	1.07	-	0.01	0.04	0.13	0.87	0.10	-	0.40	0.05	0.60	0.64	0.32	0.02	3.47	5.72	20.30
260630007	Michigan	Huron	64.70	67.20	1.57	-	0.13	0.02	0.66	0.79	0.04	-	0.68	0.01	1.17	0.25	0.10	0.01	8.99	6.88	14.21
260650012	Michigan	Ingham	61.40	62.90	0.88	-	0.05	0.08	0.40	1.35	0.05	-	0.36	0.02	0.59	1.21	0.14	0.01	1.19	6.00	19.31
260770008	Michigan	Kalamazoo	64.70	65.90	0.03	-	0.07	0.16	0.30	3.53	0.07	-	0.04	0.04	0.04	1.49	0.12	0.02	1.41	9.36	13.04
260810020	Michigan	Kent	64.40	66.20	0.02	-	0.04	0.02	0.46	2.90	0.05	-	0.03	-	0.02	1.74	0.09	0.02	1.40	8.10	12.21
260810022	Michigan	Kent	63.50	64.60	0.02	-	0.04	0.02	0.44	2.91	0.05	-	0.03	-	0.02	1.74	0.09	0.02	1.37	8.02	12.37
260910007	Michigan	Lenawee	66.90	67.30	0.38	-	0.04	0.07	0.12	0.78	0.05	-	0.09	0.07	0.10	1.14	0.15	0.01	4.49	6.27	20.99
260990009	Michigan	Macomb	69.90	71.10	0.21	-	0.09	0.09	0.72	1.24	0.11	-	0.32	0.03	0.43	0.62	0.30	0.02	2.96	6.67	17.09
260991003	Michigan	Macomb	72.10	73.70	0.21	-	0.08	0.08	0.38	1.05	0.11	-	0.31	0.09	0.33	0.84	0.35	0.02	4.15	5.89	20.62
261010922	Michigan	Manistee	64.20	65.70	0.05	-	0.04	0.03	0.19	2.12	0.03	-	0.03	0.03	0.03	7.46	0.10	0.01	1.12	7.03	13.72
261050007	Michigan	Mason	65.20	66.70	0.02	-	0.03	0.04	0.16	2.03	0.03	-	0.03	0.05	0.02	8.38	0.10	0.01	1.14	7.01	12.72
261210039	Michigan	Muskegon	70.80	72.90	0.05	-	0.03	0.05	0.44	1.83	0.05	-	0.04	0.04	0.10	4.74	0.14	0.02	1.19	7.19	11.76
261250001	Michigan	Oakland	69.80	71.40	0.18	-	0.08	0.07	0.38	1.13	0.11	-	0.28	0.07	0.30	0.82	0.34	0.02	2.88	5.95	19.71
261390005	Michigan	Ottawa	67.30	69.00	0.02	-	0.04	0.02	0.48	2.81	0.04	-	0.03	-	0.03	2.06	0.09	0.02	1.43	8.13	12.45
261470005	Michigan	St. Clair	67.50	69.10	0.29	-	0.04	0.03	0.77	0.81	0.07	-	0.25	0.02	0.43	0.14	0.14	0.02	4.65	6.27	18.22
261610008	Michigan	Washtenaw	65.80	68.20	0.54	-	0.04	0.06	0.16	0.76	0.06	-	0.67	0.06	0.94	0.97	0.17	0.01	4.31	5.33	17.39
261630001	Michigan	Wayne	64.90	67.00	0.25	-	0.03	0.04	0.10	0.43	0.06	-	0.21	0.07	0.26	0.76	0.19	0.01	4.01	4.84	20.71
261630019	Michigan	Wayne	72.70	74.80	0.29	-	0.07	0.07	0.36	0.68	0.08	-	0.29	0.10	0.35	0.65	0.27	0.01	4.86	5.71	21.08
270031001	Minnesota	Anoka	58.70	58.70	-	-	0.01	0.62	0.05	2.22	0.08	-	-	0.01	0.01	0.44	0.19	0.03	0.95	9.46	9.94
270031002	Minnesota	Anoka	60.10	60.80	-	-	0.01	0.72	0.04	1.42	0.07	-	0.01	0.07	-	0.33	0.18	0.03	1.24	8.29	15.29
270953051	Minnesota	Mille Lacs	52.70	52.90	0.01	-	0.01	0.12	0.11	2.60	0.04	-	0.01	0.04	0.01	0.20	0.08	0.01	1.09	8.16	13.74
271453052	Minnesota	Stearns	56.00	56.40	0.01	-	0.01	0.33	0.05	1.71	0.15	-	0.01	0.13	0.01	0.93	0.30	0.02	0.70	9.18	12.31
271713201	Minnesota	Wright	58.00	58.40	-	-	0.01	0.74	0.04	1.21	0.13	-	0.01	0.14	-	0.25	0.36	0.03	1.15	9.73	14.45

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
280330002	Mississippi	DeSoto	63.10	64.60	0.23	0.05	5.60	0.09	0.13	-	-	-	0.64	0.27	0.02	0.36	0.04	0.13	0.21	0.06	1.85	-
280450003	Mississippi	Hancock	58.50	59.10	2.23	0.03	0.38	0.04	0.12	-	-	-	0.82	0.63	-	0.26	0.09	0.10	0.08	0.11	21.94	-
280470008	Mississippi	Harrison	62.70	65.00	6.69	0.03	0.24	0.06	0.10	-	-	-	0.69	0.92	0.02	0.56	0.49	0.14	0.14	0.43	6.02	-
280490010	Mississippi	Hinds	56.60	57.40	2.20	0.08	1.18	0.06	0.15	-	0.01	-	1.04	0.42	0.01	0.21	0.22	0.18	0.48	0.31	4.26	-
280590006	Mississippi	Jackson	61.60	62.80	6.27	0.03	0.21	0.05	0.06	-	-	-	1.53	1.85	0.02	0.15	0.25	0.09	0.12	0.47	8.53	-
280750003	Mississippi	Lauderdale	55.90	56.20	6.47	0.02	0.46	0.07	0.17	-	-	-	0.01	1.00	0.01	0.24	0.33	0.19	0.23	0.52	4.45	-
290030001	Missouri	Andrew	64.20	65.70	0.16	0.04	0.75	0.14	0.24	-	-	-	0.07	0.11	0.03	0.16	0.12	0.17	9.41	0.08	1.05	-
290190011	Missouri	Boone	61.40	64.00	0.07	0.04	0.88	0.08	0.21	-	-	-	0.03	0.04	0.02	1.86	0.14	0.27	3.22	0.05	0.47	-
290270002	Missouri	Callaway	59.60	61.60	0.17	0.04	0.96	0.09	0.19	-	-	-	0.14	0.13	0.03	3.54	0.18	0.48	1.23	0.08	0.64	-
290370003	Missouri	Cass	62.40	64.20	0.21	0.08	0.22	0.16	0.28	-	-	-	0.15	0.11	0.01	0.04	0.01	0.50	15.64	0.01	0.68	-
290390001	Missouri	Cedar	64.70	66.80	0.46	0.09	1.59	0.14	0.36	-	-	-	0.37	0.36	0.01	0.03	0.03	0.01	4.33	0.04	2.58	-
290470003	Missouri	Clay	68.10	69.80	0.04	0.06	0.36	0.16	0.44	-	-	-	0.03	0.02	0.02	0.09	0.08	0.06	12.57	0.05	0.68	-
290470005	Missouri	Clay	66.70	68.20	0.05	0.05	0.35	0.15	0.38	-	-	-	0.03	0.02	0.03	0.07	0.06	0.05	14.00	0.04	0.53	-
290470006	Missouri	Clay	68.80	70.90	0.04	0.05	0.36	0.18	0.44	-	-	-	0.02	0.02	0.03	0.10	0.07	0.08	15.85	0.05	0.60	-
290490001	Missouri	Clinton	68.70	70.50	0.04	0.05	0.40	0.18	0.45	-	-	-	0.02	0.02	0.03	0.11	0.08	0.10	14.45	0.05	0.62	-
290770036	Missouri	Greene	61.50	63.00	0.27	0.07	1.69	0.27	0.26	-	-	-	0.28	0.24	0.05	0.07	0.04	0.04	0.68	0.05	1.22	-
290770042	Missouri	Greene	63.60	65.60	0.28	0.07	1.75	0.28	0.26	-	-	-	0.29	0.25	0.05	0.07	0.05	0.04	0.70	0.05	1.27	-
290970004	Missouri	Jasper	68.40	69.50	0.32	0.07	0.62	0.11	0.21	-	-	-	0.47	0.26	0.01	0.04	0.04	0.02	1.54	0.06	1.77	-
290990019	Missouri	Jefferson	69.80	72.30	0.04	0.03	1.08	0.12	0.22	-	-	-	0.02	0.01	0.02	5.55	0.43	0.57	0.77	0.30	0.31	-
291130003	Missouri	Lincoln	67.90	70.50	0.01	0.02	0.57	0.06	0.13	-	-	-	-	-	0.05	6.87	4.18	0.28	0.25	0.81	0.13	-
291370001	Missouri	Monroe	61.80	63.90	0.13	0.05	0.48	0.08	0.18	-	-	-	0.11	0.10	0.02	2.11	2.87	0.35	2.48	1.60	0.95	-
291570001	Missouri	Perry	65.30	67.70	0.04	0.03	0.71	0.10	0.25	-	-	-	0.07	0.01	0.04	5.76	4.12	1.15	0.78	4.51	0.22	-
291831004	Missouri	Saint Charles	70.30	72.40	0.02	0.03	0.87	0.17	0.21	-	-	-	-	0.01	0.05	7.30	1.96	0.49	0.38	1.08	0.13	-
291860005	Missouri	Sainte Genevieve	64.90	67.30	0.14	0.04	0.36	0.11	0.17	-	-	-	0.12	0.12	0.05	5.56	1.90	1.18	0.91	0.56	0.56	-
291890005	Missouri	Saint Louis	64.10	65.90	0.04	0.02	0.67	0.10	0.17	-	-	-	0.02	0.02	0.05	5.39	1.22	0.38	0.45	0.69	0.17	-
291890014	Missouri	Saint Louis	71.80	74.50	0.03	0.02	0.36	0.11	0.18	-	-	-	0.01	0.02	0.07	8.16	2.21	0.51	0.43	0.73	0.12	-
295100085	Missouri	St. Louis City	70.20	73.20	0.23	0.04	0.82	0.11	0.21	-	-	-	0.21	0.31	0.04	7.82	1.03	0.55	0.51	0.45	0.64	-
310550019	Nebraska	Douglas	61.70	61.70	0.11	0.05	1.07	0.16	0.35	-	-	-	0.03	0.06	0.03	0.31	0.33	6.84	4.39	0.18	0.55	-
310550028	Nebraska	Douglas	54.00	55.20	0.10	0.04	0.93	0.14	0.30	-	-	-	0.02	0.05	0.02	0.27	0.29	5.98	3.84	0.16	0.48	-
310550035	Nebraska	Douglas	58.00	59.80	0.09	0.06	0.77	0.21	0.39	-	-	-	0.02	0.05	0.03	0.28	0.24	5.78	2.94	0.12	0.26	-
311090016	Nebraska	Lancaster	48.60	50.10	0.20	0.07	0.54	0.15	0.25	-	-	-	0.11	0.13	0.03	0.27	0.18	0.84	3.25	0.08	0.64	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
280330002	Mississippi	DeSoto	63.10	64.60	0.02	-	0.01	0.02	6.46	1.33	0.03	0.08	0.02	0.00	0.00	0.14	0.01	0.12	0.01	0.02	0.40	0.01
280450003	Mississippi	Hancock	58.50	59.10	0.02	-	0.15	0.08	4.34	0.33	0.01	0.05	0.01	0.00	0.00	0.09	0.02	0.22	0.01	0.04	0.17	0.00
280470008	Mississippi	Harrison	62.70	65.00	0.02	-	0.62	0.10	20.25	0.44	0.04	0.10	0.01	0.00	0.00	0.06	0.02	0.17	0.03	0.24	0.20	0.01
280490010	Mississippi	Hinds	56.60	57.40	0.08	-	0.13	0.11	13.72	0.56	0.03	0.24	0.01	0.00	0.02	0.16	0.07	0.32	0.02	0.14	0.26	0.00
280590006	Mississippi	Jackson	61.60	62.80	0.02	-	0.30	0.09	11.65	0.18	0.04	0.07	0.01	0.00	0.00	0.04	0.02	0.32	0.02	0.26	0.20	0.01
280750003	Mississippi	Lauderdale	55.90	56.20	-	-	0.09	0.16	5.76	0.38	0.04	0.12	0.01	0.00	0.00	0.04	0.00	0.09	0.04	0.19	0.49	0.01
290030001	Missouri	Andrew	64.20	65.70	0.01	-	0.02	0.05	0.27	15.70	0.04	0.13	0.04	0.00	0.00	0.11	0.00	0.04	0.01	0.01	4.20	0.01
290190011	Missouri	Boone	61.40	64.00	-	-	0.01	0.09	0.11	19.40	0.03	0.22	0.02	0.00	0.00	0.14	0.00	0.00	0.04	0.01	3.89	0.01
290270002	Missouri	Callaway	59.60	61.60	0.01	-	0.27	0.09	0.16	17.74	0.05	0.21	0.02	0.00	0.00	0.10	0.00	0.05	0.03	0.03	2.44	0.01
290370003	Missouri	Cass	62.40	64.20	0.01	-	0.00	0.07	0.16	9.24	0.03	0.74	0.03	0.00	0.00	0.26	0.00	0.04	0.08	0.01	3.66	0.01
290390001	Missouri	Cedar	64.70	66.80	0.03	-	0.01	0.00	0.37	3.71	0.00	0.09	0.03	0.00	0.01	0.21	0.01	0.16	0.00	0.04	5.61	0.00
290470003	Missouri	Clay	68.10	69.80	-	-	0.04	0.02	0.19	19.87	0.03	0.18	0.05	0.00	0.00	0.20	0.00	0.00	0.01	0.00	3.21	0.01
290470005	Missouri	Clay	66.70	68.20	-	-	0.02	0.02	0.15	17.97	0.03	0.12	0.05	0.00	0.00	0.16	0.00	0.00	0.01	0.00	3.43	0.01
290470006	Missouri	Clay	68.80	70.90	-	-	0.03	0.03	0.16	16.74	0.05	0.15	0.05	0.00	0.00	0.13	0.00	0.00	0.01	0.01	3.61	0.01
290490001	Missouri	Clinton	68.70	70.50	-	-	0.03	0.03	0.16	17.57	0.04	0.20	0.05	0.00	0.00	0.13	0.00	0.00	0.01	0.01	3.78	0.01
290770036	Missouri	Greene	61.50	63.00	0.02	-	0.02	0.01	0.20	10.32	0.05	0.08	0.06	0.00	0.00	0.14	0.01	0.11	0.01	0.04	3.48	0.02
290770042	Missouri	Greene	63.60	65.60	0.02	-	0.02	0.01	0.20	10.67	0.05	0.09	0.07	0.00	0.00	0.14	0.01	0.12	0.01	0.04	3.60	0.02
290970004	Missouri	Jasper	68.40	69.50	0.03	-	0.01	0.01	0.26	3.10	0.01	0.05	0.03	0.00	0.01	0.17	0.01	0.15	0.00	0.05	15.42	0.00
290990019	Missouri	Jefferson	69.80	72.30	-	-	0.11	0.13	0.13	33.37	0.04	0.16	0.03	0.00	0.00	0.11	0.00	0.00	0.04	0.03	1.96	0.01
291130003	Missouri	Lincoln	67.90	70.50	-	-	0.45	0.26	0.06	23.07	0.15	0.10	0.02	0.00	0.00	0.04	0.02	0.00	0.17	1.02	0.33	0.03
291370001	Missouri	Monroe	61.80	63.90	0.01	-	0.36	0.11	0.11	14.32	0.02	0.19	0.02	0.00	0.00	0.20	0.01	0.04	0.03	1.55	2.44	0.01
291570001	Missouri	Perry	65.30	67.70	-	-	0.27	0.51	0.10	13.19	0.06	0.40	0.03	0.00	0.00	0.13	0.00	0.00	0.05	1.00	0.73	0.02
291831004	Missouri	Saint Charles	70.30	72.40	-	-	0.12	0.25	0.07	28.23	0.17	0.14	0.04	0.00	0.00	0.08	0.01	0.00	0.14	0.67	0.75	0.03
291860005	Missouri	Sainte Genevieve	64.90	67.30	-	-	0.25	0.44	0.12	20.02	0.14	0.17	0.03	0.00	0.00	0.11	0.00	0.05	0.24	0.03	1.75	0.03
291890005	Missouri	Saint Louis	64.10	65.90	-	-	0.24	0.08	0.08	28.23	0.06	0.26	0.03	0.00	0.00	0.07	0.00	0.00	0.03	0.75	1.30	0.03
291890014	Missouri	Saint Louis	71.80	74.50	-	-	0.23	0.22	0.05	26.82	0.17	0.36	0.04	0.00	0.00	0.07	0.01	0.01	0.12	1.10	1.05	0.04
295100085	Missouri	St. Louis City	70.20	73.20	-	-	0.27	0.14	0.12	28.03	0.16	0.17	0.03	0.00	0.00	0.13	0.00	0.06	0.09	0.20	1.12	0.02
310550019	Nebraska	Douglas	61.70	61.70	-	-	0.06	0.31	0.18	3.64	0.03	10.92	0.04	0.00	0.00	0.12	0.00	0.01	0.01	0.02	4.10	0.01
310550028	Nebraska	Douglas	54.00	55.20	-	-	0.05	0.27	0.16	3.19	0.03	9.56	0.03	0.00	0.00	0.10	0.00	0.00	0.01	0.02	3.59	0.01
310550035	Nebraska	Douglas	58.00	59.80	-	-	0.02	0.39	0.11	2.45	0.05	14.12	0.06	0.00	0.00	0.13	0.00	0.00	0.03	0.01	2.88	0.02
311090016	Nebraska	Lancaster	48.60	50.10	0.01	-	0.03	0.07	0.21	1.53	0.05	9.75	0.05	0.00	0.00	0.12	0.00	0.05	0.02	0.01	2.06	0.02

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
280330002	Mississippi	DeSoto	63.10	64.60	0.05	0.00	0.09	0.02	16.11	2.35	0.05	0.00	0.07	0.01	0.04	0.02	0.11	0.01	2.32	6.69	16.54
280450003	Mississippi	Hancock	58.50	59.10	0.06	0.00	0.14	0.01	0.37	0.85	0.02	0.00	0.09	0.00	0.04	0.12	0.05	0.01	7.72	2.65	13.76
280470008	Mississippi	Harrison	62.70	65.00	0.07	0.00	0.16	0.03	1.12	0.65	0.03	0.00	0.08	0.01	0.06	0.25	0.12	0.00	5.13	3.20	12.70
280490010	Mississippi	Hinds	56.60	57.40	0.24	0.00	0.22	0.05	0.38	1.31	0.04	0.00	0.20	0.01	0.12	0.04	0.11	0.02	3.67	3.78	19.50
280590006	Mississippi	Jackson	61.60	62.80	0.08	0.00	0.22	0.02	0.81	0.72	0.04	0.00	0.14	0.01	0.09	0.10	0.11	0.01	7.73	3.01	15.42
280750003	Mississippi	Lauderdale	55.90	56.20	0.00	0.00	0.09	0.04	1.31	2.57	0.05	0.00	0.05	0.02	0.05	0.10	0.13	0.02	2.30	3.75	23.63
290030001	Missouri	Andrew	64.20	65.70	0.01	0.00	0.03	0.02	0.15	4.84	0.12	0.00	0.02	0.01	0.01	0.03	0.21	0.02	1.24	9.50	14.57
290190011	Missouri	Boone	61.40	64.00	0.00	0.00	0.00	0.05	0.09	4.16	0.07	0.00	0.00	0.02	0.00	0.17	0.11	0.02	0.98	10.40	13.77
290270002	Missouri	Callaway	59.60	61.60	0.02	0.00	0.03	0.04	0.16	3.30	0.08	0.00	0.03	0.02	0.02	0.64	0.14	0.02	1.15	9.18	15.43
290370003	Missouri	Cass	62.40	64.20	0.02	0.00	0.03	0.11	0.05	5.17	0.10	0.00	0.03	0.03	0.01	0.00	0.13	0.03	1.36	8.86	13.80
290390001	Missouri	Cedar	64.70	66.80	0.07	0.00	0.09	0.00	0.16	9.18	0.11	0.00	0.09	0.00	0.06	0.00	0.14	0.03	2.23	7.64	23.97
290470003	Missouri	Clay	68.10	69.80	0.00	0.00	0.00	0.01	0.07	5.11	0.19	0.00	0.00	0.01	0.00	0.02	0.25	0.04	1.02	9.34	13.38
290470005	Missouri	Clay	66.70	68.20	0.00	0.00	0.00	0.01	0.06	4.88	0.16	0.00	0.00	0.01	0.00	0.02	0.26	0.03	1.03	8.10	14.14
290470006	Missouri	Clay	68.80	70.90	0.00	0.00	0.00	0.02	0.07	4.57	0.19	0.00	0.00	0.01	0.00	0.02	0.32	0.04	1.02	8.51	14.96
290490001	Missouri	Clinton	68.70	70.50	0.00	0.00	0.00	0.02	0.08	4.62	0.20	0.00	0.00	0.01	0.00	0.02	0.31	0.04	1.02	9.03	14.54
290770036	Missouri	Greene	61.50	63.00	0.05	0.00	0.06	0.04	0.13	5.98	0.17	0.00	0.06	0.02	0.05	0.01	0.36	0.03	1.79	5.31	27.38
290770042	Missouri	Greene	63.60	65.60	0.06	0.00	0.06	0.04	0.13	6.19	0.18	0.00	0.06	0.02	0.05	0.01	0.38	0.03	1.85	5.49	28.32
290970004	Missouri	Jasper	68.40	69.50	0.07	0.00	0.07	0.00	0.10	9.74	0.08	0.00	0.09	0.00	0.06	0.00	0.12	0.02	2.45	8.19	22.30
290990019	Missouri	Jefferson	69.80	72.30	0.00	0.00	0.00	0.04	0.37	2.60	0.12	0.00	0.00	0.01	0.00	0.13	0.19	0.02	0.84	6.45	13.28
291130003	Missouri	Lincoln	67.90	70.50	0.15	0.00	0.00	0.08	0.13	0.58	0.05	0.00	0.01	0.10	0.42	0.35	0.18	0.01	0.83	6.62	19.07
291370001	Missouri	Monroe	61.80	63.90	0.15	0.00	0.03	0.06	0.04	3.98	0.06	0.00	0.04	0.01	0.40	0.05	0.08	0.03	1.44	9.05	15.24
291570001	Missouri	Perry	65.30	67.70	0.00	0.00	0.00	0.09	1.81	1.21	0.12	0.00	0.00	0.03	0.00	0.21	0.24	0.02	0.93	8.25	17.90
291831004	Missouri	Saint Charles	70.30	72.40	0.12	0.00	0.00	0.09	0.29	1.16	0.14	0.00	0.02	0.10	0.34	0.11	0.29	0.02	0.90	6.54	16.55
291860005	Missouri	Sainte Genevieve	64.90	67.30	0.02	0.00	0.03	0.21	0.18	2.17	0.10	0.00	0.02	0.11	0.02	0.14	0.19	0.02	1.01	7.37	17.93
291890005	Missouri	Saint Louis	64.10	65.90	0.06	0.00	0.00	0.02	0.23	1.58	0.15	0.00	0.00	0.04	0.09	0.12	0.22	0.02	0.73	5.62	14.48
291890014	Missouri	Saint Louis	71.80	74.50	0.13	0.00	0.00	0.07	0.06	1.20	0.16	0.00	0.02	0.09	0.32	0.27	0.29	0.02	0.89	6.72	18.08
295100085	Missouri	St. Louis City	70.20	73.20	0.01	0.00	0.06	0.07	0.45	2.70	0.13	0.00	0.02	0.04	0.01	0.14	0.26	0.02	1.42	6.34	14.80
310550019	Nebraska	Douglas	61.70	61.70	0.00	0.00	0.01	0.05	0.22	3.13	0.14	0.00	0.00	0.01	0.00	0.07	0.23	0.04	1.21	11.18	11.29
310550028	Nebraska	Douglas	54.00	55.20	0.00	0.00	0.01	0.04	0.19	2.74	0.12	0.00	0.00	0.01	0.00	0.06	0.20	0.03	1.06	9.79	9.88
310550035	Nebraska	Douglas	58.00	59.80	0.00	0.00	0.01	0.10	0.13	2.26	0.20	0.00	0.00	0.02	0.00	0.08	0.29	0.05	0.95	9.45	12.74
311090016	Nebraska	Lancaster	48.60	50.10	0.02	0.00	0.04	0.04	0.14	3.05	0.15	0.00	0.03	0.02	0.02	0.05	0.24	0.02	1.41	8.75	13.69

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
320010002	Nevada	Churchill	54.50	55.70	-	0.01	-	3.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320030043	Nevada	Clark	71.30	72.50	-	0.72	-	8.23	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
320030071	Nevada	Clark	71.10	71.70	0.01	0.85	-	7.36	0.05	-	-	-	-	-	0.01	-	-	-	0.01	-	0.04	-
320030073	Nevada	Clark	70.50	71.70	0.01	0.84	-	7.30	0.05	-	-	-	-	-	0.01	-	-	-	0.01	-	0.04	-
320030075	Nevada	Clark	70.10	71.00	0.01	0.78	-	7.84	0.05	-	-	-	-	-	-	-	-	-	0.01	-	0.04	-
320030538	Nevada	Clark	66.30	67.20	0.01	0.40	0.01	6.35	0.07	-	-	-	-	-	-	-	-	-	0.02	-	0.05	-
320030540	Nevada	Clark	66.30	66.30	0.01	0.40	0.01	6.35	0.07	-	-	-	-	-	-	-	-	-	0.02	-	0.05	-
320030601	Nevada	Clark	68.70	68.70	0.01	0.78	0.01	8.07	0.10	-	-	-	-	-	0.01	-	-	-	0.02	-	0.05	-
320031019	Nevada	Clark	70.00	70.70	0.01	0.22	-	11.62	0.05	-	-	-	-	-	-	-	-	-	0.01	-	0.05	-
320032002	Nevada	Clark	66.30	67.50	0.01	0.83	0.01	7.03	0.06	-	-	-	-	-	-	-	-	-	0.02	-	0.05	-
320190006	Nevada	Lyon	64.70	65.10	-	-	-	4.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320310016	Nevada	Washoe	62.40	63.30	-	0.01	-	4.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320310020	Nevada	Washoe	63.30	64.30	-	0.01	-	4.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320310025	Nevada	Washoe	63.10	63.70	-	0.01	-	4.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320311005	Nevada	Washoe	63.40	64.00	-	0.01	-	4.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320312002	Nevada	Washoe	57.60	57.90	-	-	-	6.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320312009	Nevada	Washoe	63.20	64.20	-	-	-	5.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320330101	Nevada	White Pine	68.60	70.50	0.01	0.11	-	6.50	0.03	-	-	-	-	-	-	-	-	-	0.02	-	0.04	-
325100002	Nevada	Carson City	63.20	63.20	-	-	-	4.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330111011	New Hampshire	Hillsborough	58.20	58.80	0.32	0.06	0.46	0.06	0.15	2.64	0.22	0.02	0.10	0.27	0.02	1.06	1.44	0.17	0.30	0.56	0.20	0.04
330115001	New Hampshire	Hillsborough	61.20	62.10	0.41	0.07	0.48	0.07	0.18	1.73	0.19	0.02	0.15	0.34	0.02	1.28	1.71	0.22	0.37	0.71	0.23	0.02
330150014	New Hampshire	Rockingham	58.50	58.50	0.13	0.04	0.44	0.04	0.12	1.41	0.26	0.01	0.03	0.10	0.01	0.66	0.78	0.15	0.30	0.26	0.14	0.27
330150016	New Hampshire	Rockingham	58.80	59.40	0.13	0.04	0.44	0.04	0.12	1.42	0.26	0.01	0.03	0.10	0.01	0.67	0.79	0.15	0.30	0.26	0.14	0.27
330150018	New Hampshire	Rockingham	60.00	60.00	0.30	0.04	0.47	0.04	0.12	3.36	0.29	0.02	0.07	0.23	0.01	0.58	0.93	0.10	0.22	0.47	0.18	0.04
340010006	New Jersey	Atlantic	64.80	66.20	0.43	0.08	0.28	0.09	0.17	0.08	2.64	0.06	0.07	0.25	0.02	0.79	1.37	0.27	0.41	1.12	0.51	0.00
340030006	New Jersey	Bergen	67.80	68.70	0.50	0.05	0.24	0.06	0.12	0.08	0.56	0.10	0.13	0.51	0.01	0.55	1.15	0.11	0.19	1.09	0.16	0.00
340110007	New Jersey	Cumberland	62.70	65.30	0.26	0.06	0.32	0.07	0.15	0.19	3.21	0.04	0.06	0.13	0.03	0.88	1.26	0.30	0.37	0.85	0.33	0.01
340130003	New Jersey	Essex	68.80	72.30	0.52	0.07	0.16	0.07	0.14	0.07	0.56	0.05	0.12	0.54	0.01	0.45	1.00	0.11	0.22	1.19	0.15	0.00
340170006	New Jersey	Hudson	69.10	70.00	0.48	0.05	0.15	0.05	0.11	0.09	0.81	0.08	0.11	0.52	0.01	0.44	0.91	0.09	0.18	1.08	0.15	0.00
340190001	New Jersey	Hunterdon	67.30	69.00	0.42	0.06	0.13	0.06	0.15	0.15	0.22	0.04	0.08	0.37	0.03	0.69	1.14	0.20	0.28	1.34	0.11	0.00
340210005	New Jersey	Mercer	69.70	72.10	0.57	0.08	0.14	0.08	0.15	0.07	1.02	0.09	0.13	0.59	0.02	0.58	1.13	0.16	0.26	1.73	0.18	0.01
340219991	New Jersey	Mercer	67.10	67.10	0.45	0.05	0.13	0.05	0.14	0.11	0.51	0.07	0.08	0.40	0.02	0.60	1.08	0.18	0.26	1.35	0.11	0.00
340230011	New Jersey	Middlesex	71.70	75.00	0.52	0.09	0.18	0.10	0.18	0.56	0.88	0.07	0.12	0.55	0.02	0.64	1.00	0.22	0.28	1.34	0.21	0.18
340250005	New Jersey	Monmouth	69.90	72.60	0.26	0.03	0.16	0.04	0.09	0.38	0.62	0.04	0.05	0.22	0.02	0.65	0.84	0.21	0.18	0.84	0.14	0.02
340273001	New Jersey	Morris	65.10	66.50	0.40	0.04	0.18	0.06	0.14	0.20	0.16	0.06	0.05	0.36	0.02	0.59	1.00	0.18	0.22	0.88	0.12	0.00
340290006	New Jersey	Ocean	72.60	75.20	0.30	0.06	0.29	0.07	0.15	0.40	0.82	0.03	0.06	0.23	0.03	0.80	1.19	0.35	0.38	1.02	0.23	0.09
340315001	New Jersey	Passaic	64.80	66.30	0.07	0.01	0.07	0.02	0.07	1.60	0.34	0.05	0.26	0.24	0.01	0.34	0.28	0.13	0.10	0.14	0.06	0.01
340410007	New Jersey	Warren	56.20	56.20	0.42	0.04	0.14	0.04	0.10	0.39	0.53	0.03	0.46	0.74	0.01	0.45	0.77	0.12	0.17	0.65	0.10	0.00

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
320010002	Nevada	Churchill	54.50	55.70	-	-	-	-	-	-	-	-	2.55	-	-	-	-	-	-	-	-	0.10
320030043	Nevada	Clark	71.30	72.50	-	-	-	-	-	-	-	-	12.08	-	-	0.02	-	-	-	-	0.01	0.06
320030071	Nevada	Clark	71.10	71.70	-	-	-	-	0.01	-	-	-	14.65	-	-	0.09	-	-	-	-	0.05	0.06
320030073	Nevada	Clark	70.50	71.70	-	-	-	-	0.01	-	-	-	14.53	-	-	0.09	-	-	-	-	0.05	0.06
320030075	Nevada	Clark	70.10	71.00	-	-	-	-	0.01	-	-	-	15.29	-	-	0.09	-	-	-	-	0.05	0.07
320030538	Nevada	Clark	66.30	67.20	-	-	-	-	0.01	-	-	-	14.24	-	-	0.12	-	-	-	-	0.07	0.06
320030540	Nevada	Clark	66.30	66.30	-	-	-	-	0.01	-	-	-	14.24	-	-	0.12	-	-	-	-	0.07	0.06
320030601	Nevada	Clark	68.70	68.70	-	-	-	-	0.01	-	-	-	2.98	-	-	0.15	-	-	-	-	0.08	0.04
320031019	Nevada	Clark	70.00	70.70	-	-	-	-	0.01	-	-	-	0.25	-	-	0.08	-	-	-	-	0.05	0.06
320032002	Nevada	Clark	66.30	67.50	-	-	-	-	0.01	-	-	-	14.66	-	-	0.11	-	-	-	-	0.06	0.05
320190006	Nevada	Lyon	64.70	65.10	-	-	-	-	-	-	-	-	3.46	-	-	-	-	-	-	-	-	0.14
320310016	Nevada	Washoe	62.40	63.30	-	-	-	-	-	-	-	-	1.52	-	-	-	-	-	-	-	-	0.13
320310020	Nevada	Washoe	63.30	64.30	-	-	-	-	-	-	-	-	1.54	-	-	-	-	-	-	-	-	0.13
320310025	Nevada	Washoe	63.10	63.70	-	-	-	-	-	-	-	-	0.88	-	-	-	-	-	-	-	-	0.13
320311005	Nevada	Washoe	63.40	64.00	-	-	-	-	-	-	-	-	3.02	-	-	-	-	-	-	-	-	0.13
320312002	Nevada	Washoe	57.60	57.90	-	-	-	-	-	-	-	-	0.73	-	-	-	-	-	-	-	-	0.18
320312009	Nevada	Washoe	63.20	64.20	-	-	-	-	-	-	-	-	2.32	-	-	-	-	-	-	-	-	0.20
320330101	Nevada	White Pine	68.60	70.50	-	-	-	-	0.01	-	-	-	1.47	-	-	0.04	-	-	-	-	0.05	0.07
325100002	Nevada	Carson City	63.20	63.20	-	-	-	-	-	-	-	-	1.12	-	-	-	-	-	-	-	-	0.18
330111011	New Hampshire	Hillsborough	58.20	58.80	0.82	2.92	1.57	0.14	0.18	0.60	0.03	0.11	0.01	1.29	2.02	0.13	5.63	0.15	0.06	2.79	0.45	0.01
330115001	New Hampshire	Hillsborough	61.20	62.10	0.75	1.89	1.68	0.16	0.20	0.70	0.04	0.14	0.01	0.47	2.14	0.15	6.30	0.16	0.07	3.27	0.52	0.01
330150014	New Hampshire	Rockingham	58.50	58.50	0.69	8.50	1.42	0.09	0.11	0.47	0.02	0.09	0.01	3.27	1.54	0.10	3.81	0.18	0.03	1.84	0.41	0.01
330150016	New Hampshire	Rockingham	58.80	59.40	0.70	8.55	1.43	0.09	0.11	0.47	0.02	0.09	0.01	3.29	1.55	0.10	3.82	0.18	0.03	1.85	0.41	0.01
330150018	New Hampshire	Rockingham	60.00	60.00	0.99	4.84	1.56	0.09	0.18	0.38	0.01	0.08	0.01	1.23	2.56	0.11	6.46	0.19	0.03	2.33	0.28	-
340010006	New Jersey	Atlantic	64.80	66.20	2.49	-	0.90	0.07	0.23	0.81	0.02	0.20	0.02	-	8.81	0.19	2.22	0.33	0.03	3.88	0.57	-
340030006	New Jersey	Bergen	67.80	68.70	2.77	0.06	0.67	0.11	0.19	0.40	0.03	0.08	0.01	0.01	11.04	0.13	2.33	0.39	0.04	2.33	0.25	-
340110007	New Jersey	Cumberland	62.70	65.30	3.17	0.16	1.13	0.11	0.18	0.86	0.04	0.19	0.01	0.03	7.40	0.13	2.44	0.14	0.06	3.76	0.55	0.01
340130003	New Jersey	Essex	68.80	72.30	1.79	0.06	0.66	0.07	0.17	0.32	0.02	0.10	0.01	0.01	7.69	0.14	0.78	0.48	0.02	2.63	0.26	-
340170006	New Jersey	Hudson	69.10	70.00	2.80	0.06	0.55	0.09	0.16	0.30	0.03	0.07	0.01	-	9.02	0.12	1.93	0.42	0.03	2.08	0.23	-
340190001	New Jersey	Hunterdon	67.30	69.00	1.52	0.02	0.72	0.10	0.13	0.55	0.04	0.13	0.02	-	3.53	0.10	2.19	0.67	0.03	3.88	0.38	0.01
340210005	New Jersey	Mercer	69.70	72.10	3.36	0.05	0.32	0.06	0.14	0.57	0.02	0.10	0.01	0.01	2.20	0.15	0.33	0.65	0.01	3.31	0.38	-
340219991	New Jersey	Mercer	67.10	67.10	2.39	0.02	0.55	0.08	0.12	0.54	0.03	0.11	0.01	-	2.81	0.10	1.66	0.78	0.03	3.43	0.36	-
340230011	New Jersey	Middlesex	71.70	75.00	2.37	0.59	0.61	0.13	0.16	0.46	0.03	0.12	0.02	0.12	10.62	0.18	6.20	0.40	0.03	2.03	0.36	0.01
340250005	New Jersey	Monmouth	69.90	72.60	1.48	0.14	0.68	0.09	0.10	0.39	0.03	0.07	0.01	0.01	11.10	0.07	7.06	0.44	0.04	2.07	0.31	0.01
340273001	New Jersey	Morris	65.10	66.50	1.96	0.02	0.80	0.16	0.17	0.31	0.05	0.11	0.01	-	7.16	0.09	4.07	0.41	0.07	2.95	0.27	0.02
340290006	New Jersey	Ocean	72.60	75.20	1.46	0.39	1.26	0.14	0.15	0.72	0.05	0.19	0.02	0.08	9.05	0.12	5.79	0.43	0.07	2.63	0.54	0.01
340315001	New Jersey	Passaic	64.80	66.30	1.49	0.57	0.61	0.08	0.03	0.15	0.03	0.06	0.01	0.04	11.47	0.04	9.53	0.97	0.03	1.43	0.13	-
340410007	New Jersey	Warren	56.20	56.20	1.15	0.12	0.44	0.09	0.16	0.25	0.03	0.08	0.01	-	3.96	0.08	1.96	0.89	0.03	1.64	0.19	-



Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
320010002	Nevada	Churchill	54.50	55.70	-	-	-	-	-	0.02	-	-	-	0.02	-	-	-	-	2.14	1.16	44.84
320030043	Nevada	Clark	71.30	72.50	-	-	-	-	-	0.06	0.04	-	-	-	-	-	-	-	1.06	2.35	46.56
320030071	Nevada	Clark	71.10	71.70	-	-	-	-	-	0.27	0.07	-	-	-	-	-	0.02	0.01	1.70	2.74	42.97
320030073	Nevada	Clark	70.50	71.70	-	-	-	-	-	0.27	0.07	-	-	-	-	-	0.02	0.01	1.69	2.72	42.60
320030075	Nevada	Clark	70.10	71.00	-	-	-	-	-	0.27	0.06	-	-	0.01	-	-	0.02	0.01	1.85	2.57	40.92
320030538	Nevada	Clark	66.30	67.20	-	-	-	-	-	0.36	0.03	-	-	0.02	-	-	0.03	0.02	1.66	2.47	40.16
320030540	Nevada	Clark	66.30	66.30	-	-	-	-	-	0.36	0.03	-	-	0.02	-	-	0.03	0.02	1.66	2.47	40.16
320030601	Nevada	Clark	68.70	68.70	-	-	-	-	-	0.42	0.06	-	-	0.01	-	-	0.04	0.03	1.82	2.57	51.28
320031019	Nevada	Clark	70.00	70.70	-	-	-	-	-	0.28	0.02	-	-	0.01	-	-	0.02	0.01	1.99	2.30	52.84
320032002	Nevada	Clark	66.30	67.50	-	-	-	-	-	0.33	0.06	-	-	-	-	-	0.02	0.02	1.85	2.65	38.33
320190006	Nevada	Lyon	64.70	65.10	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	2.97	1.02	52.80
320310016	Nevada	Washoe	62.40	63.30	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	2.87	0.82	52.49
320310020	Nevada	Washoe	63.30	64.30	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	2.92	0.83	53.25
320310025	Nevada	Washoe	63.10	63.70	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	2.69	0.85	53.90
320311005	Nevada	Washoe	63.40	64.00	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	2.99	0.88	51.79
320312002	Nevada	Washoe	57.60	57.90	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	0.59	0.88	48.25
320312009	Nevada	Washoe	63.20	64.20	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	3.05	1.20	50.75
320330101	Nevada	White Pine	68.60	70.50	-	-	-	-	-	0.28	0.03	-	-	0.01	-	-	0.03	-	4.89	2.23	52.61
325100002	Nevada	Carson City	63.20	63.20	-	-	-	-	-	0.01	-	-	-	0.04	-	-	-	-	0.61	0.97	55.28
330111011	New Hampshire	Hillsborough	58.20	58.80	4.12	0.05	0.06	0.04	0.49	0.79	0.06	0.16	0.63	0.01	0.30	0.26	0.16	0.02	3.82	4.43	15.57
330115001	New Hampshire	Hillsborough	61.20	62.10	4.80	0.03	0.06	0.05	0.57	0.91	0.07	0.26	0.67	0.01	0.40	0.29	0.18	0.02	3.79	5.05	16.87
330150014	New Hampshire	Rockingham	58.50	58.50	3.19	0.31	0.04	0.02	0.29	0.68	0.03	0.12	0.47	0.02	0.21	0.19	0.09	0.01	5.62	3.42	15.78
330150016	New Hampshire	Rockingham	58.80	59.40	3.21	0.31	0.04	0.02	0.29	0.68	0.03	0.12	0.47	0.02	0.21	0.19	0.09	0.01	5.64	3.44	15.86
330150018	New Hampshire	Rockingham	60.00	60.00	4.93	0.44	0.05	0.02	0.49	0.57	0.03	0.07	0.70	-	0.31	0.17	0.07	0.01	3.88	3.74	15.47
340010006	New Jersey	Atlantic	64.80	66.20	11.33	-	0.09	0.06	0.26	1.13	0.09	-	1.04	-	1.45	0.22	0.20	0.03	3.01	5.32	10.88
340030006	New Jersey	Bergen	67.80	68.70	12.58	0.01	0.12	0.03	0.65	0.62	0.04	-	2.63	0.01	1.69	0.17	0.08	0.01	2.55	4.49	15.42
340110007	New Jersey	Cumberland	62.70	65.30	10.28	0.03	0.04	0.07	0.24	1.15	0.07	0.03	0.73	0.02	1.32	0.28	0.20	0.02	2.69	5.40	10.97
340130003	New Jersey	Essex	68.80	72.30	17.96	0.01	0.15	0.03	0.66	0.63	0.05	-	1.33	0.01	2.07	0.10	0.13	0.02	2.44	4.27	18.08
340170006	New Jersey	Hudson	69.10	70.00	15.18	0.01	0.13	0.02	0.63	0.58	0.03	-	2.71	0.01	1.77	0.14	0.08	0.01	2.88	4.46	16.96
340190001	New Jersey	Hunterdon	67.30	69.00	19.27	-	0.18	0.04	0.52	0.68	0.07	-	1.76	0.01	2.87	0.22	0.20	0.02	1.44	4.47	15.82
340210005	New Jersey	Mercer	69.70	72.10	21.93	-	0.19	0.03	0.67	0.85	0.07	-	1.92	-	3.03	0.12	0.16	0.02	1.59	4.55	15.64
340219991	New Jersey	Mercer	67.10	67.10	21.07	-	0.21	0.03	0.51	0.66	0.07	-	2.04	0.01	2.76	0.20	0.18	0.02	1.34	4.32	14.81
340230011	New Jersey	Middlesex	71.70	75.00	10.56	0.12	0.16	0.04	0.74	0.85	0.09	0.09	1.50	0.01	1.93	0.37	0.17	0.03	4.05	4.77	14.39
340250005	New Jersey	Monmouth	69.90	72.60	12.85	0.01	0.09	0.02	0.36	0.68	0.05	0.02	1.68	0.01	1.18	0.27	0.13	0.01	3.60	3.77	15.99
340273001	New Jersey	Morris	65.10	66.50	13.32	-	0.14	0.04	0.56	0.59	0.06	-	1.54	0.03	2.11	0.32	0.18	0.02	2.20	4.12	16.29
340290006	New Jersey	Ocean	72.60	75.20	14.58	0.08	0.10	0.08	0.47	1.04	0.09	0.06	0.87	0.02	1.17	0.40	0.21	0.02	3.96	4.92	14.68
340315001	New Jersey	Passaic	64.80	66.30	6.40	0.12	0.44	0.02	0.08	0.26	0.03	0.05	1.63	0.01	1.04	0.19	0.08	-	3.47	2.64	17.63
340410007	New Jersey	Warren	56.20	56.20	14.46	0.07	0.37	0.03	0.39	0.42	0.05	0.02	1.97	-	1.57	0.18	0.11	0.01	2.36	3.86	13.79

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
350010023	New Mexico	Bernalillo	62.50	64.40	-	2.03	0.01	1.09	0.28	-	-	-	-	-	0.01	-	-	-	0.03	-	0.04	-
350010024	New Mexico	Bernalillo	63.70	64.40	-	2.07	0.01	1.11	0.29	-	-	-	-	-	0.01	-	-	-	0.03	-	0.04	-
350010027	New Mexico	Bernalillo	65.80	66.70	0.04	1.99	0.02	1.61	0.25	-	-	-	0.01	0.03	0.01	-	-	-	0.04	-	0.19	-
350010029	New Mexico	Bernalillo	63.50	64.70	0.04	1.21	0.01	0.66	0.19	-	-	-	0.01	0.03	0.01	-	-	-	0.03	-	0.17	-
350010032	New Mexico	Bernalillo	63.60	63.60	-	1.99	0.01	1.24	0.29	-	-	-	-	-	0.01	-	-	-	0.03	-	0.04	-
350011012	New Mexico	Bernalillo	66.70	68.50	0.03	1.82	0.01	1.93	0.10	-	-	-	0.01	0.03	0.01	-	-	-	0.02	-	0.15	-
350011013	New Mexico	Bernalillo	63.60	63.90	0.03	1.65	0.01	1.05	0.23	-	-	-	0.01	0.03	-	-	-	-	0.03	-	0.16	-
350130008	New Mexico	Dona Ana	62.70	64.90	0.08	0.90	0.03	0.27	0.33	-	-	-	0.02	0.05	0.02	0.01	0.01	0.01	0.10	0.01	0.32	-
350130017	New Mexico	Dona Ana	65.10	66.40	0.08	0.90	0.03	0.32	0.20	-	-	-	0.02	0.05	0.04	0.01	0.01	-	0.05	0.01	0.33	-
350130020	New Mexico	Dona Ana	64.90	66.10	0.12	0.78	0.04	0.22	0.18	-	-	-	0.04	0.08	0.02	0.01	0.01	-	0.09	0.01	0.49	-
350130021	New Mexico	Dona Ana	69.30	70.30	0.08	0.95	0.03	0.34	0.21	-	-	-	0.02	0.06	0.04	0.01	0.01	0.01	0.05	0.01	0.35	-
350130022	New Mexico	Dona Ana	68.30	72.90	0.08	0.89	0.03	0.28	0.35	-	-	-	0.02	0.05	0.02	0.01	0.01	0.01	0.11	0.01	0.32	-
350130023	New Mexico	Dona Ana	61.80	62.40	0.12	0.45	0.05	0.24	0.37	-	-	-	0.03	0.06	0.05	0.02	0.02	0.02	0.15	0.02	0.40	-
350151005	New Mexico	Eddy	68.10	68.80	0.11	0.38	0.17	0.20	0.34	-	-	-	0.05	0.03	0.02	0.09	0.05	0.09	0.51	0.03	0.35	-
350171003	New Mexico	Grant	62.80	64.70	0.01	2.37	0.09	0.36	0.30	-	-	-	0.03	0.02	0.03	0.03	-	0.05	0.14	-	0.10	-
350250008	New Mexico	Lea	61.00	64.20	0.22	0.07	0.08	0.13	0.23	-	-	-	0.17	0.10	0.03	0.04	0.06	0.02	0.18	0.05	0.54	-
350290003	New Mexico	Luna	60.40	64.20	0.06	0.44	0.17	0.22	0.39	-	-	-	0.05	0.06	0.02	0.07	0.01	0.08	0.23	0.01	0.38	-
350431001	New Mexico	Sandoval	57.70	59.00	0.03	1.37	0.01	0.87	0.24	-	-	-	0.01	0.02	-	-	-	-	0.02	-	0.14	-
350439004	New Mexico	Sandoval	60.80	60.80	0.03	0.43	0.01	0.12	0.23	-	-	-	0.01	0.02	0.02	-	-	-	0.01	-	0.13	-
350450009	New Mexico	San Juan	59.70	62.20	0.02	0.82	0.01	1.40	1.16	-	-	-	-	0.01	0.02	-	-	-	0.02	-	0.08	-
350450018	New Mexico	San Juan	65.70	65.70	0.02	0.82	0.01	1.16	1.37	-	-	-	-	0.01	0.02	-	-	-	0.02	-	0.09	-
350451005	New Mexico	San Juan	57.20	58.90	0.01	0.53	-	0.99	1.85	-	-	-	-	-	0.02	-	-	-	0.01	-	0.05	-
350490021	New Mexico	Santa Fe	61.20	62.80	0.04	0.60	0.02	0.32	0.39	-	-	-	0.01	0.03	0.01	-	-	-	0.05	-	0.18	-
350610008	New Mexico	Valencia	62.50	63.90	-	1.33	-	0.93	0.17	-	-	-	-	-	-	-	-	-	0.02	-	0.02	-
360010012	New York	Albany	60.40	62.20	0.16	0.04	0.15	0.06	0.11	0.77	0.12	0.01	0.31	0.32	0.02	0.51	0.40	0.16	0.21	0.17	0.16	0.01
360050133	New York	Bronx	66.50	68.30	0.32	0.05	0.18	0.05	0.14	0.02	0.31	0.06	0.05	0.28	0.03	0.81	1.11	0.18	0.25	0.81	0.10	-
360130006	New York	Chautauqua	65.60	68.00	0.14	0.06	0.66	0.06	0.17	-	-	-	0.09	0.13	0.02	2.35	2.95	0.52	0.56	1.29	0.26	-
360130011	New York	Chautauqua	65.80	67.60	0.31	0.05	0.74	0.04	0.13	0.02	0.04	-	0.10	0.19	0.01	2.55	2.61	0.42	0.29	1.29	0.44	-
360150003	New York	Chemung	60.00	60.50	0.28	0.06	0.12	0.11	0.13	0.01	0.01	-	0.07	0.05	0.05	0.46	1.35	0.20	0.24	0.44	0.27	-
360270007	New York	Dutchess	62.70	64.40	0.04	0.02	0.06	0.04	0.07	2.30	0.23	0.05	0.22	0.18	0.01	0.33	0.36	0.11	0.13	0.18	0.04	-
360290002	New York	Erie	64.30	65.90	0.54	0.07	0.66	0.10	0.18	-	-	-	0.21	0.19	0.04	1.82	3.52	0.40	0.50	1.42	0.38	-
360310002	New York	Essex	63.50	65.90	0.30	0.07	1.19	0.06	0.24	-	-	-	0.11	0.23	0.01	2.56	2.54	0.59	0.60	0.61	0.42	-
360310003	New York	Essex	60.80	62.30	0.28	0.07	1.14	0.06	0.23	-	-	-	0.10	0.22	0.01	2.45	2.43	0.57	0.57	0.58	0.40	-
360410005	New York	Hamilton	59.30	60.20	0.32	0.06	0.61	0.06	0.16	-	-	-	0.10	0.25	0.02	2.25	2.97	0.64	0.51	0.74	0.31	-
360450002	New York	Jefferson	65.10	67.10	0.25	0.04	0.66	0.05	0.11	-	0.01	-	0.07	0.20	0.02	1.70	1.98	0.46	0.48	0.52	0.24	-
360610135	New York	New York	66.90	69.30	0.20	0.06	0.14	0.08	0.10	0.10	0.71	0.08	0.09	0.28	0.05	0.45	0.56	0.24	0.27	0.44	0.16	-
360631006	New York	Niagara	66.70	69.20	0.51	0.07	0.68	0.09	0.15	-	-	-	0.20	0.19	0.02	1.84	2.56	0.64	0.44	0.82	0.54	-
360650004	New York	Oneida	55.70	57.90	0.22	0.05	0.52	0.05	0.10	-	0.01	-	0.05	0.16	0.02	1.56	1.47	0.37	0.34	0.40	0.21	-
360671015	New York	Onondaga	63.00	65.40	0.40	0.07	0.75	0.10	0.16	-	0.01	-	0.11	0.23	0.03	2.00	2.16	0.26	0.41	0.50	0.45	-
360715001	New York	Orange	59.30	61.00	0.14	0.02	0.07	0.04	0.07	1.00	0.24	0.02	0.57	0.53	0.01	0.23	0.18	0.09	0.11	0.12	0.09	-
360750003	New York	Oswego	61.10	62.90	0.25	0.04	0.76	0.06	0.11	-	0.01	-	0.10	0.19	0.02	1.91	2.05	0.27	0.37	0.47	0.34	-
360790005	New York	Putnam	61.80	62.70	0.02	0.02	0.07	0.03	0.06	2.97	0.32	0.07	0.06	0.04	0.01	0.30	0.28	0.10	0.10	0.17	0.03	0.02
360810124	New York	Queens	73.40	75.30	0.20	0.06	0.15	0.08	0.11	0.15	0.94	0.09	0.09	0.32	0.05	0.48	0.58	0.26	0.29	0.45	0.18	-
360830004	New York	Rensselaer	59.50	59.50	0.26	0.05	0.37	0.06	0.14	0.40	0.10	0.01	0.07	0.20	0.03	1.29	1.28	0.27	0.39	0.50	0.16	-
360870005	New York	Rockland	67.30	68.20	0.27	0.04	0.08	0.05	0.09	2.18	0.37	0.05	0.21	0.34	0.01	0.42	0.54	0.14	0.11	0.56	0.14	0.01
360910004	New York	Saratoga	59.70	60.60	0.38	0.04	0.40	0.03	0.11	0.54	0.14	0.01	0.32	0.48	0.01	1.00	0.94	0.18	0.28	0.41	0.20	0.01
361030004	New York	Suffolk	71.20	73.00	0.08	0.04	0.13	0.06	0.11	4.34	0.56	0.05	0.04	0.10	0.04	0.58	0.73	0.22	0.27	0.49	0.10	-
361030009	New York	Suffolk	73.50	74.70	0.11	0.04	0.11	0.06	0.11	2.19	0.60	0.05	0.04	0.12	0.04	0.59	0.66	0.24	0.25	0.45	0.10	-
361173001	New York	Wayne	59.40	61.30	0.16	0.04	0.74	0.06	0.10	-	0.01	-	0.08	0.12	0.02	1.64	1.61	0.26	0.30	0.37	0.33	-
361192004	New York	Westchester	66.80	67.40	0.46	0.05	0.23	0.05	0.11	0.24	0.47	0.10	0.13	0.45	0.01	0.55	1.06	0.10	0.16	0.89	0.16	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
350010023	New Mexico	Bernalillo	62.50	64.40	-	-	-	-	-	-	-	-	0.16	-	-	8.13	-	-	-	-	0.07	0.01
350010024	New Mexico	Bernalillo	63.70	64.40	-	-	-	-	0.01	-	-	0.01	0.16	-	-	8.29	-	-	-	-	0.07	0.01
350010027	New Mexico	Bernalillo	65.80	66.70	-	-	-	-	0.05	-	-	0.01	0.19	-	-	8.46	-	-	-	-	0.05	0.01
350010029	New Mexico	Bernalillo	63.50	64.70	-	-	-	-	0.04	0.01	-	0.01	0.15	-	-	6.59	-	-	-	-	0.07	0.01
350010032	New Mexico	Bernalillo	63.60	63.60	-	-	-	-	0.01	-	-	0.01	0.20	-	-	8.30	-	-	-	-	0.07	0.01
350011012	New Mexico	Bernalillo	66.70	68.50	-	-	-	-	0.04	-	-	-	0.34	-	-	5.53	-	-	-	-	0.02	0.02
350011013	New Mexico	Bernalillo	63.60	63.90	-	-	-	-	0.04	-	-	0.01	0.16	-	-	6.87	-	-	-	-	0.03	0.01
350130008	New Mexico	Dona Ana	62.70	64.90	-	-	-	-	0.08	0.02	0.02	0.06	0.07	-	-	1.24	-	0.01	0.01	-	0.15	0.01
350130017	New Mexico	Dona Ana	65.10	66.40	-	-	-	-	0.08	0.02	0.01	0.02	0.07	-	-	1.99	-	0.01	-	-	0.10	0.03
350130020	New Mexico	Dona Ana	64.90	66.10	-	-	-	-	0.11	0.03	0.02	0.03	0.04	-	-	1.19	-	0.01	-	-	0.13	0.02
350130021	New Mexico	Dona Ana	69.30	70.30	-	-	-	-	0.09	0.02	0.02	0.03	0.07	-	-	2.12	-	0.01	-	-	0.10	0.04
350130022	New Mexico	Dona Ana	68.30	72.90	-	-	-	-	0.08	0.02	0.02	0.06	0.07	-	-	1.30	-	0.01	0.01	-	0.16	0.02
350130023	New Mexico	Dona Ana	61.80	62.40	-	-	-	-	0.11	0.04	0.04	0.09	0.07	-	-	4.61	-	0.01	0.01	-	0.32	0.03
350151005	New Mexico	Eddy	68.10	68.80	-	-	0.02	0.05	0.05	0.20	0.03	0.15	0.05	-	-	5.24	-	-	0.01	0.01	1.06	0.01
350171003	New Mexico	Grant	62.80	64.70	-	-	-	0.02	0.01	0.13	0.01	0.04	0.10	-	-	1.07	-	0.01	-	-	0.58	0.04
350250008	New Mexico	Lea	61.00	64.20	-	-	0.02	-	0.12	0.07	0.02	0.06	0.05	-	-	0.97	-	0.02	-	0.02	0.46	0.01
350290003	New Mexico	Luna	60.40	64.20	-	-	-	0.03	0.07	0.23	0.01	0.05	0.08	-	-	0.91	-	0.02	0.01	-	0.83	0.03
350431001	New Mexico	Sandoval	57.70	59.00	-	-	-	-	0.03	-	-	-	0.14	-	-	5.33	-	-	-	-	0.02	0.01
350439004	New Mexico	Sandoval	60.80	60.80	-	-	-	-	0.03	-	-	-	0.04	-	-	3.10	-	-	-	-	0.02	0.02
350450009	New Mexico	San Juan	59.70	62.20	-	-	-	-	0.02	-	-	-	0.16	-	-	13.20	-	-	-	-	0.05	-
350450018	New Mexico	San Juan	65.70	65.70	-	-	-	-	0.02	-	-	-	0.16	-	-	12.95	-	-	-	-	0.06	0.03
350451005	New Mexico	San Juan	57.20	58.90	-	-	-	-	0.01	-	-	-	0.14	-	-	9.76	-	-	-	-	0.02	-
350490021	New Mexico	Santa Fe	61.20	62.80	-	-	-	-	0.04	0.01	-	0.01	0.06	-	-	4.25	-	0.01	-	-	0.10	-
350610008	New Mexico	Valencia	62.50	63.90	-	-	-	-	-	-	-	-	0.18	-	-	6.52	-	-	-	-	0.05	0.01
360010012	New York	Albany	60.40	62.20	0.62	0.13	1.27	0.14	0.07	0.26	0.03	0.08	0.01	0.01	2.40	0.10	14.00	0.85	0.04	1.68	0.24	0.01
360050133	New York	Bronx	66.50	68.30	1.80	-	0.71	0.14	0.15	0.53	0.04	0.13	0.01	0.00	9.43	0.09	4.45	0.26	0.05	2.30	0.38	0.01
360130006	New York	Chautauqua	65.60	68.00	-	-	4.08	0.16	0.13	2.10	0.04	0.21	0.01	0.00	0.00	0.13	1.19	0.04	0.05	14.50	0.87	0.01
360130011	New York	Chautauqua	65.80	67.60	0.28	0.01	4.09	0.12	0.28	1.38	0.03	0.09	0.01	0.00	0.16	0.15	1.18	0.10	0.04	9.64	0.59	-
360150003	New York	Chemung	60.00	60.50	0.13	-	2.15	0.23	0.21	0.43	0.08	0.15	0.02	0.00	0.04	0.14	5.75	0.19	0.24	5.77	0.34	0.03
360270007	New York	Dutchess	62.70	64.40	1.53	0.37	0.72	0.08	0.02	0.17	0.03	0.06	0.01	0.02	5.01	0.05	13.75	0.98	0.03	1.46	0.15	-
360290002	New York	Erie	64.30	65.90	-	-	3.70	0.22	0.26	1.92	0.07	0.20	0.02	0.00	0.00	0.18	3.39	0.04	0.22	8.54	0.83	0.02
360310002	New York	Essex	63.50	65.90	0.06	-	3.63	0.16	0.28	1.68	0.02	0.20	0.01	0.00	0.02	0.18	3.01	0.28	0.03	4.80	1.06	0.01
360310003	New York	Essex	60.80	62.30	0.06	-	3.48	0.16	0.26	1.61	0.02	0.19	0.01	0.00	0.02	0.17	2.88	0.27	0.03	4.60	1.02	0.01
360410005	New York	Hamilton	59.30	60.20	0.07	-	3.55	0.14	0.26	1.31	0.02	0.22	0.01	0.00	0.02	0.13	4.33	0.28	0.04	5.82	1.03	0.01
360450002	New York	Jefferson	65.10	67.10	0.08	-	3.91	0.17	0.19	1.13	0.05	0.14	0.01	0.00	0.03	0.10	6.94	0.28	0.08	4.87	0.74	0.01
360610135	New York	New York	66.90	69.30	2.53	0.07	1.63	0.18	0.07	0.50	0.07	0.17	0.02	0.01	8.68	0.10	3.81	0.34	0.15	1.82	0.38	0.01
360631006	New York	Niagara	66.70	69.20	-	-	3.40	0.16	0.36	1.30	0.06	0.21	0.01	0.00	0.00	0.15	4.04	0.04	0.14	5.78	0.88	0.03
360650004	New York	Oneida	55.70	57.90	0.18	-	3.04	0.12	0.19	0.81	0.02	0.11	0.01	0.00	0.03	0.10	5.08	0.27	0.04	3.63	0.59	-
360671015	New York	Onondaga	63.00	65.40	0.11	-	2.32	0.12	0.35	1.11	0.03	0.13	0.02	0.00	0.03	0.18	10.37	0.26	0.04	3.67	0.67	0.01
360715001	New York	Orange	59.30	61.00	0.82	0.28	0.50	0.07	0.04	0.15	0.02	0.05	0.01	0.01	9.18	0.05	11.13	1.29	0.02	1.02	0.14	-
360750003	New York	Oswego	61.10	62.90	0.09	-	2.66	0.14	0.23	1.17	0.03	0.11	0.01	0.00	0.03	0.09	6.80	0.30	0.06	4.60	0.65	0.02
360790005	New York	Putnam	61.80	62.70	1.77	1.07	0.91	0.13	0.01	0.20	0.03	0.05	0.01	0.10	5.16	0.03	14.99	0.39	0.05	1.15	0.13	-
360810124	New York	Queens	73.40	75.30	3.05	0.09	1.66	0.18	0.08	0.54	0.07	0.18	0.02	0.01	9.62	0.11	6.53	0.51	0.15	1.83	0.41	0.02
360830004	New York	Rensselaer	59.50	59.50	0.52	0.05	1.39	0.09	0.18	0.62	0.03	0.13	0.01	0.00	1.60	0.11	11.38	0.23	0.03	3.08	0.50	-
360870005	New York	Rockland	67.30	68.20	1.68	0.75	0.64	0.08	0.06	0.19	0.03	0.06	0.01	0.06	7.91	0.08	10.39	0.55	0.03	1.91	0.14	-
360910004	New York	Saratoga	59.70	60.60	0.60	0.10	0.94	0.05	0.22	0.37	0.01	0.08	0.01	0.01	2.40	0.11	11.90	0.93	0.01	2.63	0.31	-
361030004	New York	Suffolk	71.20	73.00	1.77	0.12	0.97	0.14	0.05	0.54	0.05	0.15	0.01	0.00	6.39	0.07	16.77	0.28	0.11	1.67	0.42	0.01
361030009	New York	Suffolk	73.50	74.70	1.71	0.09	1.21	0.16	0.05	0.47	0.07	0.15	0.01	0.00	8.07	0.06	17.68	0.25	0.12	1.72	0.39	0.01
361173001	New York	Wayne	59.40	61.30	0.08	-	2.41	0.13	0.17	1.05	0.03	0.09	0.01	0.00	0.03	0.08	7.98	0.28	0.06	4.34	0.60	0.02
361192004	New York	Westchester	66.80	67.40	2.76	0.05	0.68	0.11	0.19	0.35	0.03	0.07	0.01	0.00	8.40	0.12	7.94	0.31	0.04	2.05	0.22	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
350010023	New Mexico	Bernalillo	62.50	64.40	-	-	-	-	-	0.58	0.26	-	-	-	-	-	0.03	0.51	5.15	2.91	41.04
350010024	New Mexico	Bernalillo	63.70	64.40	-	-	-	-	-	0.59	0.26	-	-	-	-	-	0.03	0.52	5.25	2.97	41.83
350010027	New Mexico	Bernalillo	65.80	66.70	-	-	0.01	-	0.01	1.83	0.19	-	-	-	-	-	0.04	0.21	5.38	3.87	41.14
350010029	New Mexico	Bernalillo	63.50	64.70	-	-	0.01	-	0.01	1.42	0.22	-	-	-	-	-	0.05	0.46	5.09	2.95	43.88
350010032	New Mexico	Bernalillo	63.60	63.60	-	-	-	-	-	0.60	0.27	-	-	-	-	-	0.03	0.58	4.03	3.03	42.70
350011012	New Mexico	Bernalillo	66.70	68.50	-	-	0.01	-	0.01	1.10	0.23	-	-	-	-	-	0.03	0.35	2.68	2.64	49.46
350011013	New Mexico	Bernalillo	63.60	63.90	-	-	0.01	-	0.01	1.36	0.28	-	-	-	-	-	0.02	0.33	6.03	3.16	41.90
350130008	New Mexico	Dona Ana	62.70	64.90	-	-	0.01	0.01	0.02	7.77	0.20	-	-	0.01	-	-	0.11	0.06	12.73	4.48	33.26
350130017	New Mexico	Dona Ana	65.10	66.40	-	-	0.01	-	0.02	7.15	0.24	-	-	0.03	-	-	0.10	0.10	15.56	4.61	32.68
350130020	New Mexico	Dona Ana	64.90	66.10	-	-	0.02	-	0.03	6.25	0.11	-	-	0.01	-	-	0.14	0.03	16.10	4.33	34.01
350130021	New Mexico	Dona Ana	69.30	70.30	-	-	0.02	-	0.02	7.61	0.25	-	-	0.03	-	-	0.11	0.11	16.56	4.91	34.79
350130022	New Mexico	Dona Ana	68.30	72.90	-	-	0.01	0.01	0.02	6.14	0.21	-	-	0.01	-	-	0.12	0.07	18.76	4.60	34.22
350130023	New Mexico	Dona Ana	61.80	62.40	-	-	0.01	0.01	0.03	5.82	0.21	-	-	0.02	-	-	0.21	0.05	10.18	5.21	32.49
350151005	New Mexico	Eddy	68.10	68.80	-	-	-	0.02	0.03	7.35	0.17	-	-	0.01	-	0.03	0.14	0.12	3.98	7.39	39.35
350171003	New Mexico	Grant	62.80	64.70	-	-	0.01	-	-	2.71	0.24	-	-	0.03	-	0.02	0.14	0.06	5.83	3.85	44.18
350250008	New Mexico	Lea	61.00	64.20	-	-	0.02	-	0.05	8.35	0.13	-	0.01	0.01	-	0.01	0.17	0.03	3.14	5.39	39.75
350290003	New Mexico	Luna	60.40	64.20	-	-	0.02	0.01	0.02	5.50	0.20	-	-	0.02	-	0.04	0.18	0.04	7.76	4.92	37.02
350431001	New Mexico	Sandoval	57.70	59.00	-	-	0.01	-	-	1.13	0.25	-	-	-	-	-	0.02	0.28	7.10	2.81	37.69
350439004	New Mexico	Sandoval	60.80	60.80	-	-	-	-	-	0.95	0.13	-	-	0.03	-	-	0.02	0.12	11.83	2.22	41.13
350450009	New Mexico	San Juan	59.70	62.20	-	-	-	-	-	0.64	0.69	-	-	-	-	-	0.04	2.41	1.83	2.94	34.03
350450018	New Mexico	San Juan	65.70	65.70	-	-	-	-	-	0.71	0.40	-	-	0.04	-	-	0.04	1.73	1.81	3.06	41.01
350451005	New Mexico	San Juan	57.20	58.90	-	-	-	-	-	0.45	1.24	-	-	-	-	-	0.06	5.71	2.18	2.84	31.19
350490021	New Mexico	Santa Fe	61.20	62.80	-	-	0.01	-	0.01	1.61	0.27	-	-	-	-	-	0.07	0.26	13.76	3.48	35.45
350610008	New Mexico	Valencia	62.50	63.90	-	-	-	-	-	0.31	0.22	-	-	-	-	-	0.03	0.54	5.40	2.26	44.35
360010012	New York	Albany	60.40	62.20	5.59	0.01	0.22	0.03	0.17	0.56	0.05	0.11	0.89	0.02	0.43	0.23	0.10	0.01	4.11	3.86	18.11
360050133	New York	Bronx	66.50	68.30	12.05	-	0.09	0.04	0.40	0.62	0.07	-	1.91	0.01	1.28	0.24	0.19	0.02	2.53	4.39	17.19
360130006	New York	Chautauqua	65.60	68.00	3.73	-	0.03	0.05	0.64	1.13	0.06	-	0.02	0.01	0.24	0.60	0.18	0.02	3.93	6.82	15.12
360130011	New York	Chautauqua	65.80	67.60	5.82	-	0.04	0.03	0.73	1.65	0.03	-	0.89	0.01	1.06	0.55	0.12	0.01	3.87	5.82	17.52
360150003	New York	Chemung	60.00	60.50	4.93	-	0.01	0.08	0.19	0.70	0.07	-	0.47	0.05	1.25	0.23	0.20	0.02	3.87	5.16	22.78
360270007	New York	Dutchess	62.70	64.40	5.88	0.10	0.40	0.02	0.06	0.27	0.04	0.04	1.65	0.01	0.66	0.18	0.08	0.01	3.31	2.73	18.18
360290002	New York	Erie	64.30	65.90	1.52	-	0.03	0.06	0.70	1.21	0.07	-	0.02	0.05	0.20	0.24	0.17	0.02	8.93	6.98	14.21
360310002	New York	Essex	63.50	65.90	1.02	-	0.06	0.05	0.67	1.68	0.06	-	0.33	0.01	0.57	0.35	0.23	0.03	11.14	6.84	15.27
360310003	New York	Essex	60.80	62.30	0.98	-	0.05	0.05	0.64	1.61	0.06	-	0.32	0.01	0.54	0.33	0.22	0.02	10.67	6.55	14.62
360410005	New York	Hamilton	59.30	60.20	1.35	-	0.06	0.05	0.38	1.46	0.07	-	0.36	0.01	0.72	0.36	0.23	0.02	7.74	6.32	13.69
360450002	New York	Jefferson	65.10	67.10	1.35	-	0.05	0.03	0.49	1.09	0.05	-	0.40	0.03	0.70	0.66	0.13	0.01	14.11	6.40	13.82
360610135	New York	New York	66.90	69.30	12.16	0.01	0.09	0.09	0.21	0.66	0.07	0.01	2.43	0.03	1.18	0.22	0.16	0.01	3.56	4.81	16.40
360631006	New York	Niagara	66.70	69.20	0.85	-	0.03	0.05	0.31	1.58	0.07	-	0.02	0.06	0.17	0.58	0.18	0.02	17.29	6.60	13.35
360650004	New York	Oneida	55.70	57.90	3.99	-	0.04	0.03	0.30	1.01	0.06	-	0.56	-	1.12	0.94	0.14	0.01	7.83	5.09	14.58
360671015	New York	Onondaga	63.00	65.40	1.72	-	0.05	0.04	0.50	1.53	0.07	-	0.45	0.01	0.79	0.34	0.20	0.02	5.26	6.28	18.47
360715001	New York	Orange	59.30	61.00	5.15	0.09	0.64	0.02	0.11	0.33	0.04	0.03	1.05	-	0.67	0.14	0.07	0.01	3.56	2.63	16.16
360750003	New York	Oswego	61.10	62.90	1.59	-	0.05	0.03	0.39	1.26	0.05	-	0.45	0.02	0.83	0.45	0.17	0.01	8.75	5.40	17.42
360790005	New York	Putnam	61.80	62.70	5.42	0.26	0.05	0.03	0.06	0.22	0.03	0.11	1.34	-	0.76	0.23	0.07	0.01	4.10	2.64	15.36
360810124	New York	Queens	73.40	75.30	11.20	0.01	0.15	0.09	0.21	0.71	0.07	0.01	2.96	0.03	1.13	0.23	0.17	0.02	4.86	5.07	16.67
360830004	New York	Rensselaer	59.50	59.50	4.60	-	0.04	0.03	0.39	0.81	0.06	-	0.81	-	0.65	0.25	0.17	0.02	3.72	4.73	17.38
360870005	New York	Rockland	67.30	68.20	8.91	0.16	0.12	0.02	0.26	0.41	0.03	0.07	1.44	0.01	1.16	0.21	0.08	0.01	3.59	3.16	17.24
360910004	New York	Saratoga	59.70	60.60	4.85	0.02	0.23	0.01	0.42	0.68	0.03	-	1.33	-	0.81	0.14	0.06	0.01	4.09	4.27	16.35
361030004	New York	Suffolk	71.20	73.00	7.35	0.01	0.06	0.06	0.17	0.59	0.06	-	1.32	0.03	0.64	0.18	0.18	0.01	6.26	4.37	12.18
361030009	New York	Suffolk	73.50	74.70	7.38	-	0.06	0.07	0.20	0.56	0.06	0.02	1.46	0.03	0.58	0.31	0.20	0.01	6.19	4.15	13.95
361173001	New York	Wayne	59.40	61.30	1.61	-	0.04	0.03	0.32	1.13	0.05	-	0.42	0.02	0.78	0.48	0.16	0.01	10.76	4.87	15.26
361192004	New York	Westchester	66.80	67.40	11.14	0.01	0.10	0.02	0.54	0.57	0.03	-	2.21	0.01	1.39	0.17	0.07	0.01	2.49	4.13	15.11

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
370030004	North Carolina	Alexander	56.80	57.90	0.25	0.04	0.20	0.05	0.21	-	-	-	0.10	0.60	0.02	0.32	0.55	0.14	0.31	1.05	0.19	-
370110002	North Carolina	Avery	55.30	56.80	0.07	0.02	0.06	0.09	0.10	-	-	-	0.01	0.76	0.06	0.44	1.55	0.30	0.14	3.39	0.03	-
370119991	North Carolina	Avery	55.10	55.10	0.07	0.02	0.06	0.08	0.10	-	-	-	0.01	0.88	0.06	0.43	1.57	0.30	0.13	3.75	0.03	-
370210030	North Carolina	Buncombe	58.00	59.10	1.31	0.10	0.05	0.12	0.20	-	-	-	0.24	0.84	0.01	0.07	0.18	0.02	0.11	1.95	0.45	-
370270003	North Carolina	Caldwell	56.70	57.60	0.29	0.04	0.24	0.08	0.26	-	-	-	0.17	0.51	0.03	0.24	0.54	0.10	0.22	0.92	0.32	-
370330001	North Carolina	Caswell	60.20	62.20	0.25	0.06	0.26	0.08	0.18	-	-	-	0.11	0.75	0.03	0.37	0.46	0.16	0.31	1.08	0.23	-
370370004	North Carolina	Chatham	54.10	55.70	0.41	0.08	0.04	0.11	0.17	-	0.01	0.01	0.13	0.48	0.02	0.15	0.22	0.07	0.13	1.03	0.24	-
370510008	North Carolina	Cumberland	58.30	59.40	0.13	0.05	0.14	0.11	0.27	0.07	0.17	0.03	0.07	0.07	0.04	0.57	0.67	0.18	0.27	0.66	0.19	-
370511003	North Carolina	Cumberland	59.70	60.80	0.26	0.07	0.12	0.10	0.24	0.07	0.16	0.02	0.16	0.31	0.02	0.52	0.62	0.16	0.26	1.07	0.31	-
370590003	North Carolina	Davie	59.70	61.40	0.54	0.04	0.17	0.04	0.19	-	-	-	0.19	0.60	0.02	0.25	0.39	0.11	0.22	1.33	0.25	-
370630015	North Carolina	Durham	58.30	60.00	0.23	0.07	0.09	0.07	0.16	-	0.01	0.01	0.08	0.30	0.02	0.53	0.45	0.20	0.27	1.41	0.13	-
370650099	North Carolina	Edgecombe	60.10	60.90	0.20	0.07	0.13	0.10	0.17	0.09	0.19	0.02	0.07	0.55	0.03	0.51	0.55	0.23	0.23	1.54	0.15	-
370670022	North Carolina	Forsyth	64.40	66.70	0.41	0.08	0.19	0.08	0.18	-	-	-	0.14	0.77	0.02	0.48	0.64	0.20	0.37	2.71	0.27	-
370670028	North Carolina	Forsyth	59.70	61.70	0.33	0.05	0.18	0.06	0.17	-	-	0.01	0.09	0.48	0.02	0.35	0.53	0.14	0.20	1.13	0.24	-
370670030	North Carolina	Forsyth	61.70	64.50	0.58	0.06	0.08	0.07	0.22	-	-	-	0.21	0.76	0.02	0.24	0.37	0.08	0.24	1.89	0.27	-
370671008	North Carolina	Forsyth	61.70	64.00	0.36	0.07	0.18	0.07	0.17	-	-	-	0.14	0.72	0.02	0.48	0.62	0.19	0.35	2.48	0.24	-
370690001	North Carolina	Franklin	57.80	59.20	0.19	0.06	0.19	0.09	0.16	-	0.01	-	0.03	0.40	0.02	0.66	0.69	0.27	0.30	2.40	0.19	-
370750001	North Carolina	Graham	60.80	62.20	0.12	0.09	0.34	0.13	0.33	-	-	-	0.12	0.12	0.06	0.56	1.28	0.21	0.27	2.23	0.19	-
370770001	North Carolina	Granville	59.80	60.90	0.58	0.08	0.31	0.08	0.17	-	-	-	0.15	0.66	0.01	0.50	0.51	0.17	0.36	1.75	0.43	-
370810013	North Carolina	Guilford	63.00	64.70	0.40	0.07	0.32	0.08	0.19	-	-	-	0.13	0.69	0.02	0.30	0.42	0.15	0.29	0.97	0.37	-
370870008	North Carolina	Haywood	54.50	54.50	0.13	0.06	0.10	0.10	0.23	-	-	-	0.09	0.69	0.02	0.13	0.29	0.06	0.16	1.76	0.14	-
370870036	North Carolina	Haywood	61.00	62.10	0.28	0.08	0.13	0.13	0.26	-	-	-	0.17	2.84	0.03	0.27	0.46	0.08	0.21	2.72	0.18	-
370990005	North Carolina	Jackson	59.40	59.40	0.22	0.09	0.10	0.11	0.24	-	-	-	0.12	3.06	0.02	0.24	0.48	0.13	0.23	1.60	0.14	-
371010002	North Carolina	Johnston	59.70	61.60	0.14	0.06	0.11	0.11	0.27	0.04	0.14	0.03	0.06	0.08	0.04	0.58	0.71	0.19	0.25	0.47	0.16	-
371070004	North Carolina	Lenoir	57.90	59.10	0.07	0.03	0.12	0.08	0.20	-	0.05	0.04	0.07	0.07	0.05	0.57	0.59	0.20	0.22	0.39	0.12	-
371090004	North Carolina	Lincoln	61.30	63.30	0.45	0.07	0.10	0.08	0.19	-	-	-	0.07	0.53	0.01	0.12	0.28	0.05	0.18	0.54	0.35	-
371170001	North Carolina	Martin	57.20	57.80	0.27	0.02	0.18	0.05	0.10	-	0.06	0.11	0.03	0.30	0.02	0.43	0.50	0.13	0.20	0.70	0.10	-
371190041	North Carolina	Mecklenburg	67.30	69.80	0.45	0.05	0.10	0.07	0.14	-	-	-	0.19	2.03	0.02	0.26	0.38	0.12	0.15	0.71	0.30	-
371191005	North Carolina	Mecklenburg	62.40	64.10	0.42	0.04	0.07	0.07	0.13	-	-	-	0.17	1.13	0.02	0.18	0.36	0.08	0.08	0.79	0.31	-
371191009	North Carolina	Mecklenburg	65.20	67.90	0.42	0.03	0.12	0.06	0.14	-	-	-	0.24	1.98	0.02	0.28	0.32	0.14	0.21	0.56	0.21	-
371239991	North Carolina	Montgomery	53.40	53.40	0.15	0.03	0.21	0.08	0.25	-	-	-	0.09	1.50	0.04	0.21	0.49	0.11	0.17	0.50	0.22	-
371290002	North Carolina	New Hanover	53.30	54.10	0.28	0.01	0.09	0.04	0.06	0.01	0.06	0.04	0.28	0.87	0.01	0.11	0.16	0.04	0.06	0.41	0.13	-
371450003	North Carolina	Person	63.40	66.10	0.83	0.05	0.18	0.08	0.13	-	-	-	0.15	0.78	0.01	0.63	1.24	0.12	0.27	3.39	0.24	-
371470006	North Carolina	Pitt	59.90	61.10	0.20	0.02	0.32	0.06	0.17	-	0.01	0.04	0.21	0.67	0.03	0.50	0.79	0.23	0.21	1.45	0.10	-
371570099	North Carolina	Rockingham	61.10	62.80	0.45	0.06	0.16	0.06	0.18	-	-	-	0.10	0.67	0.02	0.36	0.40	0.16	0.26	1.65	0.23	-
371590021	North Carolina	Rowan	62.20	64.40	0.26	0.05	0.24	0.07	0.17	-	-	-	0.14	0.74	0.03	0.28	0.57	0.12	0.27	1.33	0.35	-
371590022	North Carolina	Rowan	61.50	63.10	0.25	0.03	0.23	0.05	0.13	-	-	-	0.22	1.26	0.02	0.36	0.41	0.21	0.26	0.75	0.25	-
371730002	North Carolina	Swain	53.30	54.50	0.26	0.09	0.29	0.09	0.20	-	-	-	0.15	3.09	0.02	0.58	0.62	0.07	0.19	2.06	0.35	-
371790003	North Carolina	Union	59.00	60.60	0.18	0.05	0.10	0.08	0.29	-	-	-	0.18	0.52	0.04	0.39	1.02	0.09	0.17	1.84	0.20	-
371830014	North Carolina	Wake	58.80	60.20	0.23	0.05	0.09	0.06	0.11	0.02	0.05	0.02	0.07	0.67	0.01	0.40	0.40	0.15	0.19	1.02	0.11	-
371830016	North Carolina	Wake	62.20	63.90	0.35	0.06	0.28	0.10	0.25	0.11	0.15	0.03	0.12	0.33	0.03	0.35	0.86	0.15	0.16	1.07	0.26	-
371990004	North Carolina	Yancey	60.40	61.50	0.03	0.05	0.10	0.11	0.20	-	-	-	0.01	0.03	0.06	0.44	1.51	0.31	0.22	1.79	0.03	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
370030004	North Carolina	Alexander	56.80	57.90	0.11	-	0.69	0.09	0.10	0.35	0.04	0.17	0.02	-	-	0.09	0.01	14.02	0.01	1.53	0.34	0.01
370110002	North Carolina	Avery	55.30	56.80	0.03	-	0.93	0.38	0.02	0.20	0.21	0.19	0.03	-	-	0.04	0.02	0.42	0.20	3.75	0.16	0.03
370119991	North Carolina	Avery	55.10	55.10	0.03	-	0.90	0.37	0.02	0.20	0.21	0.19	0.02	-	-	0.04	0.02	0.32	0.20	3.72	0.15	0.03
370210030	North Carolina	Buncombe	58.00	59.10	0.02	-	0.28	0.01	0.20	0.08	0.02	0.07	0.03	-	-	0.25	-	15.01	-	0.68	0.07	0.01
370270003	North Carolina	Caldwell	56.70	57.60	0.15	-	0.37	0.04	0.14	0.26	0.05	0.14	0.03	-	-	0.09	0.01	14.85	0.03	1.23	0.24	0.02
370330001	North Carolina	Caswell	60.20	62.20	0.05	-	0.49	0.12	0.14	0.34	0.05	0.13	0.02	-	-	0.14	0.03	20.21	0.06	1.10	0.45	0.01
370370004	North Carolina	Chatham	54.10	55.70	0.43	-	0.50	0.05	0.09	0.17	0.02	0.08	0.02	-	0.02	0.21	0.06	14.25	0.02	1.29	0.16	0.01
370510008	North Carolina	Cumberland	58.30	59.40	0.78	0.11	0.50	0.07	0.07	0.45	0.05	0.14	0.03	0.02	0.28	0.14	0.46	12.93	0.04	2.61	0.34	0.03
370511003	North Carolina	Cumberland	59.70	60.80	0.61	0.11	0.18	0.04	0.11	0.41	0.02	0.13	0.03	0.02	0.30	0.21	0.83	17.41	0.01	2.29	0.32	0.02
370590003	North Carolina	Davie	59.70	61.40	0.22	-	0.30	0.08	0.18	0.30	0.02	0.13	0.02	-	-	0.07	0.03	17.25	0.01	1.51	0.25	0.01
370630015	North Carolina	Durham	58.30	60.00	0.31	-	0.51	0.06	0.05	0.52	0.02	0.12	0.01	-	0.02	0.15	0.04	19.75	0.01	1.84	0.35	-
370650099	North Carolina	Edgecombe	60.10	60.90	0.51	0.13	0.27	0.11	0.08	0.39	0.05	0.14	0.02	0.03	0.35	0.14	0.53	15.56	0.04	1.05	0.29	0.01
370670022	North Carolina	Forsyth	64.40	66.70	0.04	-	0.31	0.08	0.17	0.62	0.02	0.15	0.02	-	0.02	0.18	0.04	19.49	0.01	1.65	0.53	-
370670028	North Carolina	Forsyth	59.70	61.70	0.45	-	0.39	0.08	0.18	0.32	0.03	0.12	0.02	-	0.01	0.11	0.09	18.12	0.02	1.47	0.25	0.01
370670030	North Carolina	Forsyth	61.70	64.50	0.24	-	0.13	0.06	0.16	0.33	0.01	0.11	0.02	-	-	0.16	0.04	16.78	0.01	1.63	0.30	0.01
370671008	North Carolina	Forsyth	61.70	64.00	0.05	-	0.27	0.07	0.15	0.61	0.02	0.14	0.01	-	0.02	0.16	0.05	19.41	0.01	1.60	0.51	-
370690001	North Carolina	Franklin	57.80	59.20	0.07	-	0.22	0.12	0.11	0.55	0.04	0.15	0.02	-	0.04	0.13	0.08	16.67	0.03	1.20	0.38	0.01
370750001	North Carolina	Graham	60.80	62.20	0.02	-	0.45	0.15	0.06	0.66	0.07	0.21	0.04	-	-	0.16	-	1.01	0.03	0.98	0.43	0.02
370770001	North Carolina	Granville	59.80	60.90	0.16	-	0.12	0.05	0.22	0.55	0.01	0.10	0.02	-	0.03	0.26	0.05	16.64	0.01	1.28	0.59	-
370810013	North Carolina	Guilford	63.00	64.70	0.08	-	0.37	0.07	0.24	0.37	0.03	0.13	0.02	-	0.02	0.17	0.06	23.54	0.03	0.93	0.46	0.01
370870008	North Carolina	Haywood	54.50	54.50	0.01	-	0.31	0.06	0.05	0.11	0.04	0.10	0.02	-	-	0.12	-	10.95	0.02	1.06	0.12	0.02
370870036	North Carolina	Haywood	61.00	62.10	0.04	-	0.35	0.06	0.07	0.18	0.10	0.13	0.03	-	-	0.19	0.01	7.70	0.11	1.22	0.21	0.03
370990005	North Carolina	Jackson	59.40	59.40	0.09	-	0.42	0.12	0.05	0.28	0.03	0.14	0.03	-	-	0.18	0.01	3.80	0.03	1.13	0.24	0.01
371010002	North Carolina	Johnston	59.70	61.60	0.71	0.07	0.55	0.08	0.06	0.37	0.05	0.16	0.03	0.01	0.21	0.15	0.36	15.31	0.03	2.79	0.31	0.03
371070004	North Carolina	Lenoir	57.90	59.10	1.15	-	0.47	0.18	0.04	0.41	0.09	0.14	0.02	-	0.07	0.07	0.20	9.31	0.08	2.73	0.26	0.03
371090004	North Carolina	Lincoln	61.30	63.30	0.14	-	0.45	0.06	0.19	0.13	0.02	0.10	0.01	-	-	0.17	0.01	22.09	0.01	1.07	0.16	0.01
371170001	North Carolina	Martin	57.20	57.80	2.27	-	0.52	0.09	0.09	0.46	0.03	0.09	0.01	-	0.06	0.05	0.22	7.29	0.02	2.42	0.27	0.02
371190041	North Carolina	Mecklenburg	67.30	69.80	0.13	-	0.29	0.07	0.14	0.20	0.05	0.10	0.01	-	0.02	0.12	0.05	27.99	0.03	0.85	0.17	0.01
371191005	North Carolina	Mecklenburg	62.40	64.10	0.06	-	0.34	0.05	0.14	0.11	0.06	0.08	0.02	-	-	0.12	0.02	24.18	0.06	1.12	0.09	0.02
371191009	North Carolina	Mecklenburg	65.20	67.90	0.08	-	0.47	0.07	0.10	0.29	0.04	0.12	0.02	-	0.01	0.06	0.07	25.44	0.02	1.09	0.25	0.01
371239991	North Carolina	Montgomery	53.40	53.40	0.06	-	0.19	0.08	0.09	0.18	0.09	0.12	0.03	-	-	0.09	0.01	16.88	0.06	1.02	0.30	0.03
371290002	North Carolina	New Hanover	53.30	54.10	0.76	-	0.29	0.03	0.07	0.10	0.02	0.04	0.01	-	0.13	0.03	0.21	8.16	0.02	0.58	0.10	0.01
371450003	North Carolina	Person	63.40	66.10	0.16	-	0.14	0.04	0.15	0.78	0.02	0.08	0.02	-	-	0.17	0.03	15.17	0.02	2.54	0.43	0.01
371470006	North Carolina	Pitt	59.90	61.10	0.62	-	0.12	0.08	0.06	0.48	0.06	0.13	0.02	-	0.02	0.06	0.09	13.59	0.04	1.85	0.27	0.02
371570099	North Carolina	Rockingham	61.10	62.80	0.14	-	0.29	0.07	0.16	0.41	0.02	0.14	0.02	-	0.02	0.13	0.06	19.56	0.01	1.12	0.34	-
371590021	North Carolina	Rowan	62.20	64.40	0.16	-	0.17	0.09	0.13	0.32	0.06	0.10	0.02	-	-	0.19	0.02	24.02	0.04	1.13	0.54	0.02
371590022	North Carolina	Rowan	61.50	63.10	0.05	-	0.45	0.11	0.15	0.38	0.04	0.15	0.01	-	0.01	0.06	0.03	22.84	0.02	0.92	0.29	-
371730002	North Carolina	Swain	53.30	54.50	0.07	-	0.18	0.06	0.14	0.35	0.02	0.09	0.02	-	-	0.19	0.01	3.16	0.02	0.67	0.39	0.01
371790003	North Carolina	Union	59.00	60.60	0.04	-	0.42	0.03	0.06	0.33	0.04	0.11	0.03	-	-	0.11	0.01	18.65	0.01	1.86	0.24	0.02
371830014	North Carolina	Wake	58.80	60.20	0.48	0.03	0.52	0.05	0.05	0.37	0.02	0.08	0.01	-	0.09	0.12	0.22	23.04	0.01	1.42	0.23	0.01
371830016	North Carolina	Wake	62.20	63.90	0.82	0.12	0.17	0.05	0.13	0.32	0.04	0.11	0.03	0.01	0.49	0.18	0.71	18.90	0.02	1.92	0.19	0.02
371990004	North Carolina	Yancey	60.40	61.50	0.07	-	0.90	0.34	0.02	0.32	0.17	0.24	0.03	-	-	0.07	0.01	3.36	0.13	3.77	0.25	0.03

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
370030004	North Carolina	Alexander	56.80	57.90	0.44	-	1.00	0.03	1.07	0.59	0.08	-	2.06	0.01	0.91	0.20	0.18	0.02	0.74	3.83	23.82
370110002	North Carolina	Avery	55.30	56.80	0.73	-	0.22	0.15	8.03	0.23	0.06	-	2.91	0.08	2.35	0.45	0.30	0.01	1.02	4.87	20.05
370119991	North Carolina	Avery	55.10	55.10	0.73	-	0.17	0.14	8.80	0.23	0.06	-	2.65	0.08	2.15	0.43	0.29	0.01	1.03	4.89	19.33
370210030	North Carolina	Buncombe	58.00	59.10	0.15	-	1.14	0.01	2.82	0.60	0.07	-	2.19	0.01	1.55	0.03	0.11	0.03	1.65	3.27	21.78
370270003	North Carolina	Caldwell	56.70	57.60	0.40	-	1.37	0.03	0.76	0.65	0.09	-	1.63	0.03	0.97	0.05	0.28	0.02	0.76	3.77	24.04
370330001	North Carolina	Caswell	60.20	62.20	0.39	-	1.90	0.05	1.21	0.96	0.08	-	3.02	0.02	1.59	0.21	0.20	0.02	1.13	5.20	16.31
370370004	North Carolina	Chatham	54.10	55.70	1.68	-	0.75	0.03	0.45	0.68	0.06	-	4.71	0.01	2.13	0.05	0.18	0.02	1.48	3.92	16.99
370510008	North Carolina	Cumberland	58.30	59.40	1.95	0.01	0.07	0.03	0.14	0.74	0.10	0.01	2.75	0.04	1.85	0.14	0.30	0.02	1.71	4.84	20.64
370511003	North Carolina	Cumberland	59.70	60.80	1.56	0.01	0.45	0.02	0.28	0.87	0.08	0.01	2.55	0.02	1.84	0.08	0.17	0.02	1.98	5.22	16.80
370590003	North Carolina	Davie	59.70	61.40	1.26	-	1.08	0.02	0.73	0.47	0.08	-	2.38	0.01	2.09	0.17	0.14	0.02	1.09	3.95	21.26
370630015	North Carolina	Durham	58.30	60.00	1.22	-	0.44	0.03	0.40	0.77	0.09	-	3.73	-	1.64	0.18	0.19	0.03	1.09	3.91	16.52
370650099	North Carolina	Edgecombe	60.10	60.90	0.94	0.02	1.19	0.06	0.57	0.64	0.08	0.01	2.42	0.01	1.30	0.17	0.20	0.03	1.61	4.78	21.28
370670022	North Carolina	Forsyth	64.40	66.70	0.13	-	1.14	0.03	1.50	1.12	0.09	-	3.37	-	1.38	0.20	0.18	0.03	1.41	5.03	18.71
370670028	North Carolina	Forsyth	59.70	61.70	0.98	-	0.87	0.02	0.53	0.57	0.07	-	3.41	0.01	1.43	0.19	0.14	0.02	1.25	4.25	20.08
370670030	North Carolina	Forsyth	61.70	64.50	1.31	-	0.35	0.02	1.37	0.74	0.09	-	3.87	0.01	2.67	0.07	0.15	0.03	1.45	3.96	20.31
370671008	North Carolina	Forsyth	61.70	64.00	0.14	-	1.14	0.03	1.23	1.07	0.08	-	3.06	-	1.34	0.19	0.17	0.03	1.34	4.85	17.61
370690001	North Carolina	Franklin	57.80	59.20	0.18	-	0.61	0.07	0.96	0.75	0.07	-	3.74	0.01	1.54	0.22	0.17	0.02	1.18	4.80	17.75
370750001	North Carolina	Graham	60.80	62.20	0.08	-	0.36	0.05	8.90	0.84	0.16	-	0.67	0.03	0.53	0.28	0.38	0.04	0.94	4.74	32.26
370770001	North Carolina	Granville	59.80	60.90	0.67	-	0.76	0.02	1.11	1.41	0.06	-	5.19	-	2.09	0.14	0.11	0.02	1.56	5.15	15.42
370810013	North Carolina	Guilford	63.00	64.70	0.36	-	1.72	0.03	1.32	1.10	0.08	-	2.36	0.01	1.00	0.17	0.19	0.03	1.43	4.75	17.31
370870008	North Carolina	Haywood	54.50	54.50	0.09	-	1.06	0.02	3.36	0.46	0.07	-	2.16	0.03	1.71	0.08	0.15	0.02	0.78	2.85	24.51
370870036	North Carolina	Haywood	61.00	62.10	0.28	-	0.72	0.06	4.82	0.73	0.09	-	2.66	0.04	1.64	0.12	0.25	0.03	1.24	4.17	25.68
370990005	North Carolina	Jackson	59.40	59.40	0.57	-	0.98	0.03	5.66	0.68	0.09	-	2.45	0.02	1.30	0.21	0.21	0.03	1.16	3.95	28.48
371010002	North Carolina	Johnston	59.70	61.60	1.75	0.01	0.40	0.04	0.11	0.72	0.11	0.01	2.76	0.04	1.73	0.19	0.32	0.03	1.65	4.81	19.98
371070004	North Carolina	Lenoir	57.90	59.10	2.56	-	0.08	0.05	0.13	0.49	0.09	-	3.52	0.06	1.85	0.39	0.29	0.02	2.71	5.09	22.23
371090004	North Carolina	Lincoln	61.30	63.30	1.04	-	0.53	0.02	0.43	0.61	0.06	-	3.16	0.01	2.34	0.06	0.14	0.02	1.31	3.41	20.27
371170001	North Carolina	Martin	57.20	57.80	3.58	-	0.12	0.03	0.48	0.50	0.04	-	5.36	0.02	1.69	0.31	0.14	0.01	2.39	4.61	20.58
371190041	North Carolina	Mecklenburg	67.30	69.80	0.53	-	4.13	0.03	1.53	0.62	0.06	-	1.64	0.02	0.90	0.11	0.16	0.02	1.64	3.66	16.78
371191005	North Carolina	Mecklenburg	62.40	64.10	0.37	-	5.29	0.03	0.80	0.50	0.05	-	1.91	0.03	1.34	0.07	0.15	0.01	1.34	3.36	16.60
371191009	North Carolina	Mecklenburg	65.20	67.90	0.39	-	3.86	0.03	0.95	0.47	0.07	-	1.53	0.01	0.75	0.16	0.17	0.02	1.22	3.83	18.63
371239991	North Carolina	Montgomery	53.40	53.40	0.37	-	4.01	0.05	1.11	0.71	0.09	-	0.78	0.05	0.68	0.06	0.32	0.02	1.36	4.01	16.26
371290002	North Carolina	New Hanover	53.30	54.10	1.12	-	1.56	0.01	0.47	0.25	0.03	-	2.41	0.01	0.80	0.04	0.06	-	12.29	2.53	18.25
371450003	North Carolina	Person	63.40	66.10	0.54	-	0.28	0.02	1.00	0.93	0.05	-	8.22	-	3.24	0.09	0.10	0.02	1.65	4.84	14.31
371470006	North Carolina	Pitt	59.90	61.10	0.74	-	1.14	0.05	0.87	0.43	0.07	-	3.22	0.03	1.68	0.11	0.21	0.01	1.94	5.37	21.25
371570099	North Carolina	Rockingham	61.10	62.80	0.46	-	0.90	0.02	0.98	0.71	0.10	-	3.65	0.01	1.66	0.18	0.18	0.03	1.41	4.20	19.09
371590021	North Carolina	Rowan	62.20	64.40	0.51	-	1.32	0.03	1.95	1.22	0.06	-	2.32	0.03	1.08	0.09	0.16	0.02	1.28	4.52	15.74
371590022	North Carolina	Rowan	61.50	63.10	0.23	-	3.27	0.04	0.92	0.47	0.06	-	1.66	0.01	0.71	0.19	0.17	0.02	1.13	3.74	18.70
371730002	North Carolina	Swain	53.30	54.50	0.40	-	0.95	0.02	4.96	1.18	0.06	-	1.66	0.02	0.95	0.07	0.15	0.02	1.30	3.63	24.24
371790003	North Carolina	Union	59.00	60.60	0.28	-	1.42	0.03	0.44	0.52	0.12	-	1.97	0.03	1.52	0.05	0.33	0.02	1.05	3.99	19.91
371830014	North Carolina	Wake	58.80	60.20	1.50	-	1.29	0.02	0.47	0.54	0.04	-	2.80	0.01	1.27	0.13	0.11	0.01	1.49	3.55	14.93
371830016	North Carolina	Wake	62.20	63.90	1.55	0.02	0.19	0.03	0.58	0.66	0.10	0.01	4.76	0.03	1.35	0.09	0.24	0.03	1.51	4.10	17.81
371990004	North Carolina	Yancey	60.40	61.50	0.68	-	0.07	0.11	6.32	0.35	0.10	-	1.82	0.07	0.80	0.45	0.32	0.02	0.73	4.62	29.10











Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
400019009	Oklahoma	Adair	67.30	69.40	0.02	-	0.07	0.01	0.13	10.27	0.05	-	0.04	0.03	0.02	-	0.18	0.01	2.11	8.22	21.66
400159008	Oklahoma	Caddo	67.10	69.10	-	-	0.01	0.03	0.01	6.03	0.15	-	-	0.04	-	-	0.30	0.04	2.10	9.52	21.27
400170101	Oklahoma	Canadian	67.60	67.90	-	-	0.01	0.07	0.02	3.74	0.17	-	-	0.03	-	0.01	0.32	0.03	1.80	7.35	22.39
400219002	Oklahoma	Cherokee	67.20	69.30	-	-	0.03	0.01	0.03	10.49	0.05	-	0.01	0.03	-	-	0.17	0.01	1.69	9.14	18.33
400270049	Oklahoma	Cleveland	68.00	68.90	-	-	0.03	0.01	0.03	6.31	0.17	-	-	-	-	0.01	0.26	0.05	1.88	10.63	21.16
400310651	Oklahoma	Comanche	68.20	70.30	-	-	0.02	0.03	0.02	9.74	0.18	-	-	0.06	-	-	0.49	0.02	2.73	11.23	21.31
400370144	Oklahoma	Creek	68.00	68.90	0.02	-	0.02	0.06	0.01	4.70	0.05	-	0.01	0.05	-	0.04	0.21	0.01	1.70	7.52	17.58
400430860	Oklahoma	Dewey	68.40	70.00	-	-	0.02	0.02	0.02	9.01	0.11	-	-	0.03	-	-	0.20	0.08	2.74	13.43	23.69
400719010	Oklahoma	Kay	66.10	69.70	0.02	-	0.05	0.03	0.22	8.34	0.21	-	0.03	0.02	0.02	0.03	0.32	0.04	2.30	11.17	19.00
400871073	Oklahoma	McClain	66.60	67.50	-	-	0.01	0.01	0.01	8.49	0.15	-	-	0.01	-	0.01	0.28	0.04	1.84	11.18	20.55
400892001	Oklahoma	McCurtain	63.10	63.10	0.10	-	0.08	0.05	0.28	11.77	0.06	-	0.10	0.01	0.08	0.05	0.13	0.01	5.92	7.06	23.37
400979014	Oklahoma	Mayes	70.00	71.50	0.07	-	0.08	0.03	0.10	8.59	0.10	-	0.08	-	0.05	-	0.16	0.03	2.40	7.11	21.47
401090033	Oklahoma	Oklahoma	69.80	71.00	-	-	0.08	0.02	0.04	7.96	0.13	-	0.01	-	0.01	0.01	0.18	0.03	1.81	11.06	20.46
401090096	Oklahoma	Oklahoma	69.00	69.90	-	-	0.08	0.02	0.04	8.23	0.13	-	0.01	-	0.01	0.01	0.17	0.03	1.80	11.46	20.49
401091037	Oklahoma	Oklahoma	71.00	71.60	0.04	-	0.22	0.01	0.12	7.89	0.13	-	0.08	-	0.04	0.02	0.19	0.03	1.95	10.06	24.83
401159004	Oklahoma	Ottawa	66.00	67.80	0.06	-	0.07	-	0.13	9.96	0.08	-	0.08	-	0.05	-	0.10	0.03	2.05	7.04	22.38
401210415	Oklahoma	Pittsburg	67.40	69.00	0.04	-	0.09	0.05	0.07	10.43	0.12	-	0.04	0.01	0.04	0.02	0.21	0.02	2.93	9.26	19.20
401359021	Oklahoma	Sequoyah	64.80	64.80	0.03	-	0.09	0.01	0.15	11.32	0.06	-	0.04	0.02	0.03	0.01	0.18	0.01	2.64	7.74	21.55
401430137	Oklahoma	Tulsa	70.40	71.30	0.03	-	-	0.10	0.01	3.69	0.03	-	0.01	0.07	-	0.06	0.19	-	2.03	8.22	18.74
401430174	Oklahoma	Tulsa	68.20	69.70	0.01	-	0.04	0.02	0.03	7.09	0.10	-	0.01	0.04	-	0.03	0.30	0.01	1.61	8.99	17.41
401430178	Oklahoma	Tulsa	69.00	70.20	0.02	-	0.01	0.05	0.02	5.76	0.07	-	0.01	0.05	-	0.04	0.28	0.01	1.97	8.79	17.09
401431127	Oklahoma	Tulsa	71.20	72.80	0.02	-	-	0.09	0.01	4.00	0.03	-	0.01	0.06	-	0.06	0.19	-	1.90	7.67	17.89
410050004	Oregon	Clackamas	58.60	60.40	-	-	-	-	-	-	0.01	-	-	9.84	-	-	0.03	-	6.77	3.18	20.92







Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
440030002	Rhode Island	Kent	65.30	65.50	0.12	0.03	0.14	0.04	0.11	6.03	0.43	0.03	0.04	0.12	0.02	0.67	0.82	0.12	0.20	0.46	0.08	-
440071010	Rhode Island	Providence	65.30	67.10	0.17	0.04	0.27	0.05	0.14	4.83	0.37	0.03	0.06	0.22	0.02	1.00	1.20	0.16	0.29	0.53	0.10	-
440090007	Rhode Island	Washington	68.20	69.70	0.17	0.03	0.19	0.04	0.10	6.25	0.35	0.05	0.07	0.19	0.02	0.73	0.98	0.26	0.24	0.52	0.13	0.02
450010001	South Carolina	Abbeville	51.00	52.60	0.76	0.04	0.10	0.06	0.12	-	-	-	0.13	2.52	0.02	0.31	0.29	0.08	0.07	0.61	0.18	-
450030003	South Carolina	Aiken	53.60	55.80	1.45	0.03	0.36	0.05	0.08	0.03	0.02	-	0.16	12.35	0.03	0.17	0.20	0.18	0.13	0.48	0.40	-
450070005	South Carolina	Anderson	58.40	60.90	0.17	0.04	0.05	0.07	0.20	-	-	-	0.10	0.75	0.02	0.10	0.16	0.03	0.12	0.46	0.12	-
450150002	South Carolina	Berkeley	53.60	55.00	0.44	0.02	0.23	0.11	0.11	-	-	-	0.31	2.04	0.04	0.27	0.26	0.16	0.11	0.74	0.29	-
450190046	South Carolina	Charleston	55.30	56.40	0.66	0.02	0.15	0.07	0.08	-	-	0.01	1.40	2.00	0.02	0.25	0.45	0.11	0.08	0.53	0.24	-
450250001	South Carolina	Chesterfield	54.00	55.40	0.27	0.05	0.33	0.14	0.23	-	-	-	0.19	0.52	0.04	0.41	0.84	0.10	0.15	1.97	0.45	-
450310003	South Carolina	Darlington	56.90	58.60	0.12	0.03	0.18	0.14	0.27	-	0.02	0.01	0.05	0.10	0.04	0.30	0.45	0.13	0.20	0.59	0.25	-
450370001	South Carolina	Edgefield	50.50	51.90	2.54	0.05	0.30	0.05	0.18	-	-	-	0.15	10.03	0.04	0.23	0.28	0.15	0.31	0.49	1.54	-
450450016	South Carolina	Greenville	56.80	57.70	0.26	0.08	0.07	0.09	0.13	-	-	-	0.11	0.62	0.01	0.14	0.25	0.07	0.10	1.04	0.15	-
450451003	South Carolina	Greenville	55.00	56.40	0.22	0.07	0.33	0.11	0.24	-	-	-	0.07	0.50	0.03	0.38	1.01	0.19	0.29	1.41	0.18	-
450770002	South Carolina	Pickens	58.80	59.90	0.17	0.04	0.06	0.07	0.17	-	-	-	0.09	0.92	0.02	0.10	0.19	0.05	0.10	0.63	0.13	-
450790007	South Carolina	Richland	57.60	57.60	0.15	0.02	0.04	0.06	0.15	-	0.02	0.01	0.04	1.69	0.04	0.19	0.30	0.12	0.10	0.42	0.05	-
450790021	South Carolina	Richland	49.80	51.50	0.10	0.04	0.11	0.05	0.14	0.02	0.03	0.01	0.05	0.37	0.01	0.19	0.28	0.07	0.21	1.01	0.12	-
450791001	South Carolina	Richland	59.00	60.10	0.16	0.02	0.04	0.07	0.15	-	0.02	0.01	0.04	1.73	0.04	0.19	0.31	0.13	0.10	0.43	0.05	-
450830009	South Carolina	Spartanburg	62.80	63.90	0.71	0.04	0.06	0.06	0.17	-	-	-	0.05	0.80	0.02	0.13	0.19	0.07	0.15	0.36	0.30	-
450910006	South Carolina	York	52.50	53.30	0.25	0.05	0.09	0.08	0.14	-	-	-	0.11	0.35	0.03	0.23	0.58	0.16	0.11	1.17	0.17	-
460330132	South Dakota	Custer	59.20	60.40	-	0.22	0.02	0.83	2.47	-	-	-	-	-	0.30	-	-	0.01	0.79	-	0.01	-
470010101	Tennessee	Anderson	61.30	63.30	0.05	0.05	0.12	0.11	0.27	-	-	-	-	0.06	0.05	0.49	0.93	0.23	0.34	2.89	0.02	-
470090101	Tennessee	Blount	66.30	68.30	0.26	0.08	0.27	0.12	0.30	-	-	-	0.37	2.39	0.03	0.26	0.57	0.06	0.19	2.75	0.24	-
470090102	Tennessee	Blount	57.00	58.40	0.27	0.06	0.23	0.09	0.25	-	-	-	0.33	1.92	0.04	0.38	0.73	0.09	0.16	2.24	0.25	-
470259991	Tennessee	Claiborne	53.40	53.40	0.98	0.05	0.15	0.11	0.35	-	-	-	0.12	3.20	0.05	0.78	0.86	0.13	0.27	4.32	0.22	-
470370011	Tennessee	Davidson	56.60	59.40	1.19	0.07	0.12	0.11	0.17	-	-	-	0.32	1.85	0.05	0.25	0.38	0.13	0.33	1.75	0.27	-
470370026	Tennessee	Davidson	59.70	62.90	0.25	0.06	0.57	0.15	0.24	-	-	-	0.19	0.23	0.03	0.49	1.87	0.14	0.35	4.63	0.46	-
470651011	Tennessee	Hamilton	62.00	64.30	1.50	0.04	0.22	0.10	0.21	-	-	-	0.20	8.43	0.03	0.42	0.41	0.21	0.21	1.52	0.20	-
470654003	Tennessee	Hamilton	62.70	65.00	1.20	0.02	0.33	0.08	0.25	-	-	-	0.02	1.70	0.03	0.21	0.43	0.07	0.29	3.02	0.24	-
470890002	Tennessee	Jefferson	64.30	67.10	0.91	0.07	0.24	0.11	0.25	-	-	-	0.26	2.82	0.04	0.30	0.66	0.18	0.25	1.72	0.24	-
470930021	Tennessee	Knox	59.40	61.10	0.78	0.06	0.26	0.10	0.22	-	-	-	0.16	2.68	0.04	0.38	0.81	0.20	0.27	1.77	0.16	-
470931020	Tennessee	Knox	61.70	63.60	0.43	0.06	0.31	0.11	0.22	-	-	-	0.14	2.43	0.04	0.53	1.12	0.21	0.29	1.92	0.27	-
471050109	Tennessee	Loudon	63.60	65.90	0.40	0.03	0.06	0.08	0.28	-	-	-	0.16	0.39	0.05	0.26	0.57	0.13	0.20	2.39	0.13	-
471210104	Tennessee	Meigs	61.30	63.70	0.25	0.04	0.08	0.07	0.14	-	-	-	0.12	0.34	0.02	0.45	0.53	0.11	0.26	2.85	0.16	-
471490101	Tennessee	Rutherford	57.40	58.60	0.62	0.07	1.32	0.08	0.10	-	-	-	0.52	0.45	0.01	0.57	0.69	0.03	0.07	3.60	0.77	-
471550101	Tennessee	Sevier	64.20	65.60	0.35	0.06	0.08	0.12	0.31	-	-	-	0.19	3.39	0.03	0.24	0.43	0.08	0.23	1.52	0.16	-
471570021	Tennessee	Shelby	68.00	70.00	0.39	0.03	3.72	0.10	0.27	-	-	-	0.16	0.06	0.03	0.48	0.50	0.10	0.30	1.12	0.33	-
471570075	Tennessee	Shelby	69.00	69.00	0.68	0.03	3.81	0.13	0.27	-	-	-	0.13	0.47	0.04	0.67	0.70	0.16	0.38	1.12	1.77	-
471571004	Tennessee	Shelby	65.70	68.40	0.91	0.04	4.44	0.08	0.13	-	-	-	0.30	0.79	0.02	0.66	0.52	0.14	0.21	1.11	2.30	-
471632002	Tennessee	Sullivan	64.90	67.00	0.40	0.07	0.17	0.09	0.24	-	-	-	0.11	1.59	0.02	0.50	0.86	0.20	0.40	1.88	0.16	-
471632003	Tennessee	Sullivan	63.90	65.50	1.61	0.08	0.12	0.07	0.21	-	-	-	0.17	0.73	0.03	0.47	1.34	0.20	0.25	2.57	0.47	-
471650007	Tennessee	Sumner	65.10	67.00	1.21	0.07	0.27	0.12	0.20	-	-	-	0.21	1.87	0.06	0.48	0.86	0.16	0.43	2.30	0.21	-
471650101	Tennessee	Sumner	60.60	62.30	2.95	0.04	0.25	0.10	0.16	-	-	-	0.40	3.26	0.04	0.43	0.73	0.07	0.24	0.87	0.43	-
471870106	Tennessee	Williamson	59.10	61.40	0.06	0.03	0.09	0.05	0.11	-	-	-	0.03	0.05	0.02	0.90	2.61	0.15	0.26	4.07	0.13	-
471890103	Tennessee	Wilson	60.00	61.90	0.69	0.08	0.65	0.10	0.21	-	-	-	0.22	0.30	0.04	0.81	0.68	0.21	0.31	1.39	1.63	-





Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
440030002	Rhode Island	Kent	65.30	65.50	6.99	0.40	0.07	0.03	0.22	0.50	0.05	-	1.15	0.01	0.64	0.19	0.15	0.01	5.32	3.71	15.70
440071010	Rhode Island	Providence	65.30	67.10	5.29	2.24	0.17	0.04	0.37	0.68	0.06	-	1.19	0.01	0.34	0.28	0.16	0.02	5.66	4.53	17.50
440090007	Rhode Island	Washington	68.20	69.70	5.63	3.08	0.12	0.07	0.24	0.61	0.04	0.01	1.78	0.03	0.60	0.13	0.13	0.01	5.87	3.85	12.42
450010001	South Carolina	Abbeville	51.00	52.60	0.85	-	8.51	0.03	0.69	0.52	0.04	-	2.35	0.04	1.91	0.15	0.12	0.01	1.52	3.47	17.38
450030003	South Carolina	Aiken	53.60	55.80	0.73	0.01	5.98	0.05	1.75	0.46	0.03	-	1.02	0.03	0.56	0.13	0.16	0.01	1.87	4.19	15.02
450070005	South Carolina	Anderson	58.40	60.90	0.74	-	11.84	0.01	0.70	0.38	0.07	-	2.49	0.02	2.15	0.10	0.13	0.02	0.93	3.23	21.02
450150002	South Carolina	Berkeley	53.60	55.00	0.30	-	15.29	0.04	0.46	0.63	0.05	-	1.19	0.06	0.57	0.05	0.13	0.01	4.27	3.80	16.07
450190046	South Carolina	Charleston	55.30	56.40	0.49	-	10.45	0.03	0.45	0.41	0.04	-	1.02	0.04	0.50	0.07	0.09	0.01	11.94	3.21	15.36
450250001	South Carolina	Chesterfield	54.00	55.40	0.39	-	2.55	0.02	1.08	0.73	0.11	-	1.99	0.04	1.01	0.02	0.23	0.02	1.32	4.61	18.51
450310003	South Carolina	Darlington	56.90	58.60	1.41	-	7.14	0.03	0.55	0.47	0.13	-	2.61	0.05	1.05	0.09	0.31	0.02	2.48	5.35	20.55
450370001	South Carolina	Edgefield	50.50	51.90	0.08	-	3.71	0.04	2.54	1.20	0.07	-	0.17	0.04	0.19	0.05	0.21	0.02	1.67	4.65	16.23
450450016	South Carolina	Greenville	56.80	57.70	0.61	-	13.12	0.01	1.36	0.55	0.05	-	2.23	0.01	1.48	0.12	0.09	0.02	1.11	3.29	20.40
450451003	South Carolina	Greenville	55.00	56.40	0.37	-	5.70	0.03	1.42	0.71	0.10	-	1.99	0.02	1.22	0.13	0.22	0.03	0.83	4.00	20.21
450770002	South Carolina	Pickens	58.80	59.90	0.43	-	11.11	0.01	0.81	0.36	0.06	-	2.40	0.02	2.52	0.11	0.11	0.01	0.78	3.18	21.97
450790007	South Carolina	Richland	57.60	57.60	1.53	-	13.40	0.06	0.88	0.20	0.06	-	2.00	0.06	1.89	0.17	0.27	0.01	1.89	4.11	17.68
450790021	South Carolina	Richland	49.80	51.50	0.95	-	13.74	0.02	0.51	0.75	0.05	-	1.61	0.02	1.37	0.09	0.10	0.01	2.07	4.29	13.72
450791001	South Carolina	Richland	59.00	60.10	1.57	-	13.72	0.06	0.90	0.21	0.06	-	2.05	0.06	1.94	0.18	0.27	0.01	1.93	4.21	18.11
450830009	South Carolina	Spartanburg	62.80	63.90	0.55	-	12.33	0.02	0.59	0.37	0.07	-	1.41	0.01	1.33	0.13	0.14	0.02	1.26	3.19	25.30
450910006	South Carolina	York	52.50	53.30	0.63	-	4.05	0.04	1.07	0.46	0.05	-	2.34	0.04	1.69	0.06	0.22	0.01	0.91	3.35	16.12
460330132	South Dakota	Custer	59.20	60.40	-	-	-	1.18	-	0.32	1.06	-	-	0.07	-	-	4.56	0.24	7.30	6.97	30.87
470010101	Tennessee	Anderson	61.30	63.30	0.15	-	0.04	0.09	19.36	0.40	0.11	-	1.75	0.05	2.05	0.23	0.33	0.03	0.70	3.98	21.87
470090101	Tennessee	Blount	66.30	68.30	0.13	-	0.66	0.01	21.45	0.68	0.10	-	1.74	0.03	1.23	0.07	0.20	0.03	1.44	4.19	22.75
470090102	Tennessee	Blount	57.00	58.40	0.09	-	0.47	0.02	14.27	0.65	0.11	-	0.87	0.03	0.67	0.10	0.26	0.02	1.14	4.06	23.89
470259991	Tennessee	Claiborne	53.40	53.40	0.30	-	0.73	0.04	7.64	0.84	0.14	-	1.30	0.05	1.60	0.14	0.39	0.03	1.15	4.00	19.11
470370011	Tennessee	Davidson	56.60	59.40	0.25	-	0.34	0.06	20.07	0.85	0.07	-	0.25	0.03	0.52	0.13	0.20	0.02	1.28	3.83	18.77
470370026	Tennessee	Davidson	59.70	62.90	0.26	-	0.05	0.06	19.47	1.07	0.11	-	0.20	0.03	0.50	0.13	0.28	0.03	1.16	4.95	18.25
470651011	Tennessee	Hamilton	62.00	64.30	0.47	-	1.74	0.04	10.34	0.45	0.07	-	0.95	0.02	0.93	0.16	0.21	0.02	1.40	4.06	22.86
470654003	Tennessee	Hamilton	62.70	65.00	0.27	-	0.19	0.04	22.50	0.67	0.08	-	1.47	0.03	1.47	0.12	0.22	0.02	0.68	4.24	19.07
470890002	Tennessee	Jefferson	64.30	67.10	0.43	-	1.12	0.07	19.28	0.65	0.09	-	0.98	0.04	0.60	0.09	0.33	0.03	1.24	4.52	22.64
470930021	Tennessee	Knox	59.40	61.10	0.40	-	1.03	0.07	19.60	0.54	0.09	-	0.84	0.04	0.69	0.16	0.30	0.02	1.07	4.38	18.48
470931020	Tennessee	Knox	61.70	63.60	0.21	-	0.36	0.05	22.99	0.66	0.10	-	0.61	0.02	0.40	0.19	0.24	0.03	0.89	4.23	18.79
471050109	Tennessee	Loudon	63.60	65.90	0.20	-	0.26	0.07	22.69	0.27	0.09	-	2.01	0.06	2.07	0.14	0.31	0.02	0.86	3.58	21.68
471210104	Tennessee	Meigs	61.30	63.70	0.25	-	0.12	0.05	13.89	0.53	0.04	-	1.61	0.03	2.46	0.15	0.15	0.01	0.98	3.65	28.10
471490101	Tennessee	Rutherford	57.40	58.60	0.06	-	0.11	-	15.89	1.23	0.03	-	0.29	0.01	0.39	0.05	0.08	0.01	1.36	4.46	21.06
471550101	Tennessee	Sevier	64.20	65.60	0.32	-	0.62	0.03	12.58	0.45	0.10	-	1.86	0.03	1.17	0.09	0.28	0.03	0.99	3.80	30.39
471570021	Tennessee	Shelby	68.00	70.00	0.08	-	0.01	0.03	27.30	0.73	0.09	-	0.03	0.03	0.28	0.07	0.21	0.02	0.82	5.60	19.19
471570075	Tennessee	Shelby	69.00	69.00	0.14	-	0.14	0.05	23.90	2.53	0.12	-	0.11	0.03	0.32	0.09	0.26	0.02	1.30	6.50	16.36
471571004	Tennessee	Shelby	65.70	68.40	0.21	-	0.24	0.04	18.96	2.58	0.07	-	0.17	0.02	0.44	0.07	0.17	0.01	2.23	7.88	14.70
471632002	Tennessee	Sullivan	64.90	67.00	0.14	-	0.90	0.07	26.54	0.79	0.09	-	1.81	0.01	0.46	0.22	0.23	0.03	0.94	4.90	16.40
471632003	Tennessee	Sullivan	63.90	65.50	0.19	-	0.31	0.09	18.75	0.47	0.09	-	3.44	0.04	0.50	0.20	0.23	0.03	1.47	5.54	18.83
471650007	Tennessee	Sumner	65.10	67.00	0.24	-	0.33	0.07	24.14	1.12	0.08	-	0.25	0.04	0.52	0.19	0.25	0.03	1.22	5.36	19.37
471650101	Tennessee	Sumner	60.60	62.30	0.07	-	0.49	0.03	18.23	0.69	0.06	-	0.22	0.02	0.21	0.08	0.16	0.02	1.16	4.70	21.57
471870106	Tennessee	Williamson	59.10	61.40	0.36	-	0.02	0.04	16.72	0.77	0.04	-	0.12	0.02	1.43	0.30	0.12	0.01	0.63	4.95	21.10
471890103	Tennessee	Wilson	60.00	61.90	0.04	-	0.08	0.05	13.70	1.99	0.10	-	0.07	0.05	0.06	0.02	0.18	0.03	2.14	5.20	25.15







Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME
490030003	Utah	Box Elder	62.80	64.00	-	0.76	-	3.73	-	-	-	-	-	-	0.19	-	-	-	-	-	-	-
490050004	Utah	Cache	60.30	62.80	-	0.90	-	3.12	0.02	-	-	-	-	-	0.06	-	-	-	0.01	-	0.02	-
490071003	Utah	Carbon	66.20	66.20	-	0.21	-	4.09	0.06	-	-	-	-	-	0.07	-	-	-	-	-	0.01	-
490110004	Utah	Davis	64.40	66.00	-	0.58	-	3.53	0.04	-	-	-	-	-	0.16	-	-	-	-	-	-	-
490131001	Utah	Duchesne	65.10	65.10	-	0.65	-	4.64	0.01	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-
490352004	Utah	Salt Lake	68.80	70.60	-	0.28	-	3.53	0.02	-	-	-	-	-	0.24	-	-	-	-	-	-	-
490353006	Utah	Salt Lake	70.00	70.00	-	0.65	-	4.25	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-
490370101	Utah	San Juan	65.70	66.00	-	0.81	-	4.92	0.69	-	-	-	-	-	0.03	-	-	-	-	-	-	-
490450003	Utah	Tooele	67.50	68.40	-	0.64	-	4.96	0.04	-	-	-	-	-	0.15	-	-	-	0.01	-	0.03	-
490490002	Utah	Utah	66.40	69.30	-	0.75	-	4.44	0.01	-	-	-	-	-	0.02	-	-	-	-	-	0.01	-
490495010	Utah	Utah	65.90	66.60	-	0.82	-	5.05	0.01	-	-	-	-	-	0.01	-	-	-	-	-	0.01	-
490530006	Utah	Washington	63.60	63.60	0.01	1.15	0.01	9.64	0.10	-	-	-	0.01	-	0.01	-	-	-	0.03	-	0.07	-
490530130	Utah	Washington	68.10	69.30	0.01	0.83	0.01	10.13	0.07	-	-	-	-	-	0.01	-	-	-	0.03	-	0.05	-
490570002	Utah	Weber	67.40	67.70	-	0.82	-	2.68	0.03	-	-	-	-	-	0.16	-	-	-	-	-	-	-
490571003	Utah	Weber	67.40	68.60	-	0.90	-	3.07	-	-	-	-	-	-	0.11	-	-	-	-	-	-	-
510030001	Virginia	Albemarle	57.90	59.00	0.03	0.03	0.13	0.03	0.13	-	-	-	0.01	0.02	0.02	0.45	1.34	0.14	0.34	0.44	0.09	-
510130020	Virginia	Arlington	70.50	74.30	0.41	0.06	0.20	0.07	0.15	-	0.02	3.10	0.09	0.14	0.02	0.70	1.88	0.17	0.36	1.27	0.20	-
510330001	Virginia	Caroline	61.70	63.70	0.52	0.03	0.08	0.05	0.08	-	0.15	0.38	0.08	0.14	0.01	0.17	0.39	0.06	0.07	0.37	0.14	-
510360002	Virginia	Charles	65.70	68.60	0.46	0.05	0.18	0.07	0.16	-	0.01	0.12	0.09	0.23	0.02	0.48	0.96	0.15	0.23	1.68	0.21	-
510410004	Virginia	Chesterfield	62.80	65.40	0.55	0.04	0.22	0.07	0.13	0.08	0.34	0.29	0.08	0.15	0.02	0.57	0.99	0.12	0.16	0.98	0.20	-
510590030	Virginia	Fairfax	70.40	73.60	0.46	0.05	0.11	0.07	0.13	-	0.02	1.85	0.09	0.16	0.02	0.53	1.32	0.12	0.18	1.23	0.14	-
510610002	Virginia	Fauquier	54.40	55.50	0.54	0.06	0.24	0.06	0.17	-	0.14	0.16	0.11	0.18	0.02	0.71	2.29	0.19	0.42	1.87	0.23	-
510690010	Virginia	Frederick	57.90	59.90	0.95	0.04	0.08	0.08	0.13	-	-	0.01	0.11	0.61	0.02	0.67	2.15	0.12	0.14	2.06	0.10	-
510719991	Virginia	Giles	52.40	52.40	0.02	0.06	0.03	0.12	0.40	-	-	-	0.02	0.02	0.06	0.39	0.80	0.16	0.35	1.49	0.05	-
510850003	Virginia	Hanover	62.80	64.70	0.42	0.07	0.23	0.07	0.18	-	0.02	0.22	0.10	0.18	0.01	0.76	1.24	0.34	0.38	2.05	0.20	-
510870014	Virginia	Henrico	65.10	67.70	0.45	0.06	0.16	0.06	0.16	-	0.06	0.22	0.09	0.14	0.01	0.43	0.94	0.13	0.27	1.26	0.21	-
511071005	Virginia	Loudoun	64.10	65.90	0.54	0.05	0.07	0.07	0.14	-	0.20	0.20	0.07	0.15	0.03	0.55	0.95	0.14	0.16	0.72	0.10	-
511130003	Virginia	Madison	62.40	63.50	0.05	0.04	0.13	0.05	0.17	-	-	-	0.01	0.05	0.02	0.92	1.81	0.19	0.29	0.46	0.04	-
511390004	Virginia	Page	58.60	60.10	0.06	0.04	0.15	0.04	0.13	-	-	-	0.04	0.06	0.02	0.85	2.50	0.14	0.29	1.30	0.08	-
511479991	Virginia	Prince Edward	55.60	55.60	0.06	0.04	0.18	0.07	0.15	-	0.02	0.06	0.04	0.06	0.03	0.89	1.20	0.24	0.30	1.74	0.08	-
511530009	Virginia	Prince William	61.90	63.70	0.52	0.05	0.08	0.07	0.14	-	0.19	0.45	0.08	0.13	0.03	0.60	1.02	0.14	0.15	0.66	0.10	-
511611004	Virginia	Roanoke	58.00	60.30	0.13	0.04	0.16	0.05	0.27	0.01	0.03	-	0.05	0.28	0.02	0.62	1.24	0.19	0.44	1.89	0.06	-
511630003	Virginia	Rockbridge	54.80	56.30	0.02	0.03	0.15	0.07	0.25	-	-	-	-	0.02	0.03	1.02	1.66	0.23	0.35	1.19	0.03	-
511650003	Virginia	Rockingham	58.10	59.90	0.03	0.03	0.17	0.03	0.15	-	-	-	0.02	0.02	0.02	0.66	2.53	0.15	0.40	0.64	0.12	-
511790001	Virginia	Stafford	62.00	64.50	0.49	0.03	0.07	0.06	0.09	-	0.16	0.42	0.07	0.12	0.02	0.21	0.48	0.07	0.07	0.40	0.13	-
511970002	Virginia	Wythe	57.90	59.40	0.47	0.06	0.22	0.12	0.48	-	-	-	0.15	1.10	0.06	1.08	0.87	0.08	0.36	2.83	0.45	-
515100009	Virginia	Alexandria City	69.00	71.60	0.38	0.03	0.07	0.05	0.08	-	0.05	2.83	0.08	0.14	0.01	0.29	1.02	0.06	0.10	1.09	0.13	-
516500008	Virginia	Hampton City	64.20	65.90	0.27	0.07	0.14	0.11	0.14	0.17	0.29	0.06	0.10	0.34	0.02	0.38	0.58	0.14	0.15	0.84	0.32	0.01
518000004	Virginia	Suffolk City	64.10	65.70	0.16	0.04	0.11	0.08	0.08	0.04	0.51	0.10	0.05	0.12	0.01	0.26	0.50	0.09	0.05	0.69	0.21	-
518000005	Virginia	Suffolk City	60.40	61.50	0.21	0.08	0.14	0.11	0.22	-	0.05	0.04	0.07	0.23	0.04	0.79	0.77	0.25	0.28	0.67	0.19	-

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
490030003	Utah	Box Elder	62.80	64.00	-	-	-	-	-	-	-	-	1.89	-	-	-	-	-	-	-	-	0.06
490050004	Utah	Cache	60.30	62.80	-	-	-	-	-	-	-	-	1.19	-	-	0.03	-	-	-	-	0.02	0.11
490071003	Utah	Carbon	66.20	66.20	-	-	-	-	-	-	-	-	1.22	-	-	0.01	-	-	-	-	0.01	0.04
490110004	Utah	Davis	64.40	66.00	-	-	-	-	-	-	-	-	1.95	-	-	0.02	-	-	-	-	-	0.10
490131001	Utah	Duchesne	65.10	65.10	-	-	-	-	-	-	-	-	1.15	-	-	0.01	-	-	-	-	0.02	0.03
490352004	Utah	Salt Lake	68.80	70.60	-	-	-	-	-	-	-	-	1.50	-	-	0.01	-	-	-	-	-	0.14
490353006	Utah	Salt Lake	70.00	70.00	-	-	-	-	-	-	-	-	2.29	-	-	0.02	-	-	-	-	-	0.13
490370101	Utah	San Juan	65.70	66.00	-	-	-	-	-	-	0.01	-	0.56	-	-	0.29	-	-	-	-	-	0.07
490450003	Utah	Tooele	67.50	68.40	-	-	-	-	-	-	-	-	2.13	-	-	0.07	-	-	-	-	0.03	0.10
490490002	Utah	Utah	66.40	69.30	-	-	-	-	-	-	-	-	1.74	-	-	0.05	-	-	-	-	0.01	0.02
490495010	Utah	Utah	65.90	66.60	-	-	-	-	-	-	-	-	1.59	-	-	0.06	-	-	-	-	0.01	0.03
490530006	Utah	Washington	63.60	63.60	-	-	-	-	0.02	-	-	0.01	1.49	-	-	0.16	-	-	-	-	0.09	0.05
490530130	Utah	Washington	68.10	69.30	-	-	-	-	0.01	-	-	-	1.35	-	-	0.09	-	-	-	-	0.08	0.05
490570002	Utah	Weber	67.40	67.70	-	-	-	-	-	-	-	-	1.66	-	-	0.01	-	-	-	-	-	0.10
490571003	Utah	Weber	67.40	68.60	-	-	-	-	-	-	-	-	1.88	-	-	0.01	-	-	-	-	-	0.06
510030001	Virginia	Albemarle	57.90	59.00	0.46	-	1.85	0.11	0.04	0.51	0.05	0.18	0.01	-	-	0.07	0.03	0.05	0.04	5.80	0.41	0.01
510130020	Virginia	Arlington	70.50	74.30	10.18	-	0.86	0.11	0.10	0.81	0.05	0.16	0.02	-	0.03	0.14	0.15	1.07	0.05	4.76	0.48	0.01
510330001	Virginia	Caroline	61.70	63.70	5.76	-	0.81	0.08	0.09	0.16	0.04	0.04	0.01	-	0.22	0.09	0.49	0.27	0.05	3.53	0.10	0.02
510360002	Virginia	Charles	65.70	68.60	2.00	-	0.41	0.07	0.12	0.46	0.03	0.11	0.01	-	0.01	0.14	0.04	1.82	0.02	2.32	0.30	0.01
510410004	Virginia	Chesterfield	62.80	65.40	4.62	0.12	0.40	0.07	0.13	0.50	0.04	0.07	0.02	0.02	0.68	0.12	0.90	0.07	0.05	2.69	0.20	0.02
510590030	Virginia	Fairfax	70.40	73.60	8.84	-	0.83	0.11	0.07	0.49	0.05	0.08	0.02	-	0.03	0.13	0.16	1.43	0.04	4.28	0.29	0.01
510610002	Virginia	Fauquier	54.40	55.50	2.84	-	0.84	0.13	0.11	0.92	0.06	0.18	0.01	-	0.18	0.17	0.02	0.03	0.05	5.46	0.60	0.01
510690010	Virginia	Frederick	57.90	59.90	2.24	-	1.04	0.12	0.12	0.30	0.07	0.08	0.02	-	-	0.10	0.15	0.08	0.06	5.98	0.15	0.01
510719991	Virginia	Giles	52.40	52.40	0.02	-	1.04	0.20	0.01	0.22	0.11	0.28	0.03	-	-	0.12	0.01	0.08	0.10	3.88	0.25	0.05
510850003	Virginia	Hanover	62.80	64.70	2.68	-	0.28	0.11	0.09	0.80	0.02	0.16	0.01	-	0.03	0.19	0.04	1.68	0.02	2.34	0.52	-
510870014	Virginia	Henrico	65.10	67.70	3.10	-	0.52	0.08	0.12	0.50	0.02	0.11	0.01	-	0.03	0.16	0.26	0.89	0.03	2.63	0.38	-
511071005	Virginia	Loudoun	64.10	65.90	10.67	0.01	0.99	0.15	0.07	0.29	0.07	0.09	0.02	-	0.33	0.12	0.23	0.99	0.06	4.46	0.18	0.01
511130003	Virginia	Madison	62.40	63.50	0.81	-	1.54	0.16	0.02	0.60	0.06	0.16	0.01	-	-	0.09	0.08	0.01	0.05	6.59	0.33	0.01
511390004	Virginia	Page	58.60	60.10	1.05	-	1.26	0.13	0.02	0.69	0.05	0.11	0.01	-	-	0.09	0.09	0.02	0.05	5.40	0.43	0.01
511479991	Virginia	Prince Edward	55.60	55.60	0.94	-	0.90	0.12	0.03	0.78	0.06	0.14	0.02	-	0.02	0.09	0.10	1.88	0.05	3.20	0.42	0.02
511530009	Virginia	Prince William	61.90	63.70	8.73	0.01	1.38	0.14	0.07	0.30	0.07	0.08	0.02	-	0.28	0.12	0.18	0.05	0.06	4.84	0.19	0.01
511611004	Virginia	Roanoke	58.00	60.30	0.17	-	0.81	0.10	0.05	0.55	0.03	0.22	0.02	-	0.14	0.11	0.18	1.44	0.01	3.28	0.41	0.01
511630003	Virginia	Rockbridge	54.80	56.30	0.15	-	1.65	0.12	0.01	0.54	0.06	0.20	0.02	-	-	0.08	0.01	0.02	0.03	4.98	0.34	0.02
511650003	Virginia	Rockingham	58.10	59.90	0.52	-	1.89	0.13	0.05	0.57	0.06	0.21	0.01	-	-	0.08	0.02	0.01	0.05	6.92	0.44	0.01
511790001	Virginia	Stafford	62.00	64.50	7.45	-	0.73	0.10	0.08	0.14	0.05	0.04	0.01	-	0.24	0.09	0.53	0.49	0.07	3.98	0.08	0.02
511970002	Virginia	Wythe	57.90	59.40	-	-	0.32	0.12	0.23	0.44	0.10	0.20	0.05	-	-	0.16	-	0.21	0.04	1.41	0.54	0.05
515100009	Virginia	Alexandria City	69.00	71.60	10.81	-	0.70	0.08	0.06	0.31	0.04	0.05	0.01	-	0.10	0.10	0.29	1.62	0.03	3.59	0.18	0.01
516500008	Virginia	Hampton City	64.20	65.90	1.63	0.17	0.32	0.09	0.13	0.28	0.03	0.09	0.02	0.04	0.54	0.19	0.75	4.75	0.03	1.31	0.22	0.01
518000004	Virginia	Suffolk City	64.10	65.70	3.08	0.02	0.44	0.11	0.08	0.14	0.04	0.05	0.01	-	0.55	0.13	0.76	1.76	0.06	1.28	0.09	0.01
518000005	Virginia	Suffolk City	60.40	61.50	1.12	-	0.68	0.20	0.07	0.46	0.06	0.17	0.03	-	0.05	0.19	0.05	4.76	0.04	2.73	0.34	0.03

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
490030003	Utah	Box Elder	62.80	64.00	-	-	-	-	-	0.01	9.98	-	-	0.01	-	-	0.15	0.15	0.80	2.86	42.12
490050004	Utah	Cache	60.30	62.80	-	-	-	-	-	0.14	6.23	-	-	0.13	-	-	0.01	0.04	1.14	2.41	44.58
490071003	Utah	Carbon	66.20	66.20	-	-	-	-	-	0.09	6.87	-	-	0.01	-	-	0.01	0.18	0.79	1.88	50.53
490110004	Utah	Davis	64.40	66.00	-	-	-	-	-	0.02	14.84	-	-	0.01	-	-	0.02	0.10	0.76	3.07	39.11
490131001	Utah	Duchesne	65.10	65.10	-	-	-	-	-	0.08	2.99	-	-	0.02	-	-	0.01	0.05	0.81	1.60	52.91
490352004	Utah	Salt Lake	68.80	70.60	-	-	-	-	-	0.01	21.67	-	-	0.02	-	-	0.03	0.06	0.88	3.51	36.80
490353006	Utah	Salt Lake	70.00	70.00	-	-	-	-	-	0.03	14.00	-	-	0.05	-	-	0.02	0.02	0.89	3.16	44.25
490370101	Utah	San Juan	65.70	66.00	-	-	-	-	-	0.02	1.25	-	-	0.11	-	-	0.01	1.25	1.13	2.21	52.26
490450003	Utah	Tooele	67.50	68.40	-	-	-	-	-	0.20	9.00	-	-	0.01	-	-	0.02	0.01	1.71	3.62	44.62
490490002	Utah	Utah	66.40	69.30	-	-	-	-	-	0.10	5.26	-	-	-	-	-	-	-	1.12	2.25	50.47
490495010	Utah	Utah	65.90	66.60	-	-	-	-	-	0.12	5.64	-	-	0.01	-	-	-	-	1.13	2.46	48.82
490530006	Utah	Washington	63.60	63.60	-	-	-	-	-	0.51	0.91	-	-	0.01	-	-	0.05	0.02	2.63	3.13	43.35
490530130	Utah	Washington	68.10	69.30	-	-	-	-	-	0.36	0.80	-	-	0.01	-	-	0.05	0.01	2.46	3.10	48.46
490570002	Utah	Weber	67.40	67.70	-	-	-	-	-	0.01	14.16	-	-	0.01	-	-	0.08	0.23	0.63	2.93	43.82
490571003	Utah	Weber	67.40	68.60	-	-	-	-	-	0.02	13.31	-	-	0.02	-	-	0.07	0.16	0.91	2.99	43.80
510030001	Virginia	Albemarle	57.90	59.00	3.27	-	-	0.03	0.02	0.48	0.05	-	8.22	0.02	3.64	0.16	0.14	0.01	1.13	3.85	23.83
510130020	Virginia	Arlington	70.50	74.30	5.91	-	0.13	0.05	0.29	0.83	0.06	-	12.43	0.01	2.43	0.20	0.17	0.02	1.66	4.69	13.56
510330001	Virginia	Caroline	61.70	63.70	6.88	-	0.03	0.01	0.21	0.35	0.03	-	14.61	0.03	1.94	0.09	0.08	0.01	1.95	3.22	17.54
510360002	Virginia	Charles	65.70	68.60	3.37	-	0.16	0.04	0.58	0.66	0.07	-	25.74	0.01	2.77	0.08	0.16	0.02	1.20	4.27	13.36
510410004	Virginia	Chesterfield	62.80	65.40	7.14	0.02	0.01	0.02	0.52	0.51	0.05	0.01	16.46	0.03	1.97	0.10	0.13	0.01	1.79	4.24	13.81
510590030	Virginia	Fairfax	70.40	73.60	6.44	-	0.17	0.03	0.33	0.63	0.06	-	16.36	0.01	2.44	0.21	0.14	0.02	1.79	4.20	13.96
510610002	Virginia	Fauquier	54.40	55.50	5.16	-	0.02	0.06	0.38	0.98	0.06	-	5.60	0.02	2.89	0.16	0.17	0.02	1.17	5.23	13.22
510690010	Virginia	Frederick	57.90	59.90	8.20	-	0.05	0.04	0.78	0.39	0.05	-	2.31	0.02	5.43	0.29	0.13	0.01	1.83	4.97	15.36
510719991	Virginia	Giles	52.40	52.40	1.09	-	0.01	0.08	0.12	0.52	0.15	-	3.43	0.07	5.33	0.28	0.50	0.03	0.85	3.64	25.68
510850003	Virginia	Hanover	62.80	64.70	2.62	-	0.10	0.04	0.34	0.85	0.06	-	20.01	-	2.14	0.18	0.15	0.02	1.33	4.40	14.86
510870014	Virginia	Henrico	65.10	67.70	5.07	-	0.05	0.02	0.31	0.71	0.06	-	21.75	0.01	2.06	0.12	0.14	0.02	1.58	4.39	15.08
511071005	Virginia	Loudoun	64.10	65.90	8.12	-	0.13	0.04	0.32	0.43	0.06	-	9.65	0.03	2.43	0.28	0.16	0.01	1.75	4.43	13.12
511130003	Virginia	Madison	62.40	63.50	5.86	-	0.01	0.04	0.07	0.51	0.07	-	3.77	0.02	5.75	0.40	0.17	0.02	1.30	5.06	24.35
511390004	Virginia	Page	58.60	60.10	5.68	-	0.01	0.03	0.24	0.71	0.06	-	3.36	0.02	4.60	0.30	0.15	0.01	1.40	4.66	21.98
511479991	Virginia	Prince Edward	55.60	55.60	1.99	-	0.03	0.05	0.23	0.71	0.07	-	12.38	0.03	2.11	0.27	0.23	0.02	1.14	4.80	17.42
511530009	Virginia	Prince William	61.90	63.70	8.97	-	-	0.04	0.23	0.46	0.06	-	8.13	0.02	2.19	0.32	0.16	0.02	1.70	4.57	13.81
511611004	Virginia	Roanoke	58.00	60.30	0.72	-	0.16	0.02	0.53	0.51	0.09	-	12.49	0.02	3.09	0.23	0.19	0.02	0.93	3.98	21.74
511630003	Virginia	Rockbridge	54.80	56.30	0.87	-	-	0.05	0.10	0.48	0.10	-	7.73	0.03	4.07	0.36	0.24	0.02	0.83	4.15	22.27
511650003	Virginia	Rockingham	58.10	59.90	2.87	-	-	0.05	0.02	0.58	0.05	-	2.94	0.03	4.60	0.26	0.17	0.01	1.06	4.37	24.91
511790001	Virginia	Stafford	62.00	64.50	7.93	-	0.06	0.02	0.19	0.34	0.03	-	13.22	0.04	1.92	0.11	0.08	0.01	1.88	3.28	15.67
511970002	Virginia	Wythe	57.90	59.40	0.03	-	0.09	0.03	0.66	1.15	0.18	-	4.29	0.08	7.04	0.19	0.38	0.04	1.38	4.08	25.86
515100009	Virginia	Alexandria City	69.00	71.60	6.75	-	0.19	0.02	0.29	0.50	0.03	-	12.82	0.01	2.02	0.12	0.09	0.01	1.93	3.46	16.10
516500008	Virginia	Hampton City	64.20	65.90	2.42	0.03	0.75	0.04	0.32	0.74	0.06	0.01	18.21	0.01	1.37	0.10	0.14	0.02	3.70	4.56	16.75
518000004	Virginia	Suffolk City	64.10	65.70	4.91	-	0.14	0.03	0.28	0.44	0.03	-	17.06	0.02	1.18	0.13	0.07	0.01	3.99	3.85	19.98
518000005	Virginia	Suffolk City	60.40	61.50	2.81	-	0.28	0.06	0.23	0.75	0.11	-	8.35	0.03	1.32	0.66	0.27	0.03	1.07	5.30	23.76



Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	AL	AZ	AR	CA	CO	CT	DE	DC	FL	GA	ID	IL	IN	IA	KS	KY	LA	ME	
530330017	Washington	King	53.90	55.80	-	-	-	0.07	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	
540030003	West Virginia	Berkeley	59.50	61.20	0.81	0.09	0.05	0.10	0.19	-	-	0.02	0.17	0.35	0.02	0.43	1.01	0.15	0.15	0.87	0.32	-	
540110006	West Virginia	Cabell	62.20	64.60	0.48	0.02	0.19	0.07	0.09	-	-	-	0.17	1.34	0.03	1.27	1.51	0.25	0.11	10.24	0.34	-	
540219991	West Virginia	Gilmer	55.10	55.10	0.19	0.02	0.22	0.04	0.12	-	-	-	0.02	0.09	0.03	1.31	3.50	0.16	0.32	2.02	0.29	-	
540250003	West Virginia	Greenbrier	57.50	58.60	-	0.01	-	0.04	0.13	-	-	-	-	-	0.03	0.53	1.73	0.08	0.17	0.85	-	-	
540291004	West Virginia	Hancock	66.50	68.30	0.13	0.01	0.18	0.06	0.11	-	0.07	0.03	0.01	0.07	0.05	1.76	2.16	0.34	0.21	0.44	0.22	-	
540390010	West Virginia	Kanawha	66.20	67.80	0.28	0.01	0.19	0.05	0.12	-	-	-	0.03	0.12	0.03	0.95	1.98	0.07	0.16	2.00	0.32	-	
540610003	West Virginia	Monongalia	64.00	66.10	0.30	0.04	0.50	0.09	0.18	-	-	-	0.05	0.17	0.05	1.75	3.12	0.24	0.64	1.75	0.50	-	
540690010	West Virginia	Ohio	63.70	65.20	0.03	0.02	0.23	0.05	0.12	-	0.04	0.02	0.01	0.02	0.04	1.78	3.26	0.23	0.37	0.83	0.13	-	
541071002	West Virginia	Wood	59.60	61.90	0.26	0.05	0.33	0.10	0.23	-	0.01	0.01	0.06	0.34	0.04	0.79	1.49	0.17	0.30	3.01	0.26	-	
550090026	Wisconsin	Brown	61.80	63.30	0.26	0.06	0.42	0.09	0.08	-	-	-	0.18	0.18	0.02	8.74	3.02	0.99	1.33	0.08	1.14	-	
550250041	Wisconsin	Dane	58.90	61.30	0.24	0.03	0.41	0.07	0.10	-	-	-	0.18	0.16	0.04	6.18	0.86	3.31	0.87	0.25	0.52	-	
550270001	Wisconsin	Dodge	65.20	65.60	0.25	0.04	0.66	0.06	0.09	-	-	-	0.19	0.17	0.02	10.97	2.65	1.23	1.57	0.44	0.69	-	
550290004	Wisconsin	Door	67.70	69.70	0.21	0.03	0.50	0.06	0.12	-	-	-	0.08	0.11	0.04	14.44	6.77	1.00	1.10	1.20	0.35	-	
550390006	Wisconsin	Fond du Lac	64.00	65.90	0.22	0.03	0.83	0.06	0.09	-	-	-	0.21	0.16	0.03	8.43	4.07	0.97	1.19	1.19	0.62	-	
550550002	Wisconsin	Jefferson	61.40	62.80	0.24	0.03	0.50	0.06	0.13	-	-	-	0.18	0.16	0.04	7.87	2.15	1.18	0.88	0.40	0.52	-	
550590019	Wisconsin	Kenosha	65.40	67.80	0.14	0.02	0.64	0.04	0.11	-	-	-	0.02	0.04	0.02	25.60	3.74	0.19	0.33	0.41	0.40	-	
550610002	Wisconsin	Kewaunee	67.50	70.20	0.12	0.06	0.71	0.10	0.11	-	-	-	0.01	0.02	0.04	17.93	8.78	0.26	0.20	1.37	0.85	-	
550630012	Wisconsin	La Crosse	57.20	58.80	0.33	0.08	0.83	0.04	0.23	-	-	-	0.19	0.21	-	0.07	0.11	4.39	2.88	0.11	0.60	-	
550710007	Wisconsin	Manitowoc	70.20	71.30	0.21	0.04	0.35	0.07	0.10	-	-	-	0.08	0.08	0.02	15.07	9.01	0.45	0.51	1.44	0.75	-	
550790010	Wisconsin	Milwaukee	60.20	62.20	0.14	0.05	0.35	0.07	0.10	-	-	-	0.07	0.06	0.02	16.74	5.04	0.16	0.51	0.42	0.94	-	
550790026	Wisconsin	Milwaukee	64.90	67.80	0.14	0.05	0.63	0.06	0.12	-	-	-	0.03	0.04	0.02	19.46	6.73	0.14	0.34	0.43	1.03	-	
550790085	Wisconsin	Milwaukee	70.90	72.70	0.15	0.04	0.63	0.06	0.10	-	-	-	0.03	0.05	0.02	19.87	6.72	0.10	0.20	0.40	1.01	-	
550870009	Wisconsin	Outagamie	62.80	65.30	0.19	0.05	0.36	0.16	0.22	-	-	-	0.19	0.14	0.03	6.64	2.86	1.07	1.52	0.60	0.40	-	
550890008	Wisconsin	Ozaukee	70.20	73.60	0.16	0.05	0.66	0.08	0.12	-	-	-	0.08	0.08	0.02	17.18	6.91	0.17	0.59	1.45	1.11	-	
550890009	Wisconsin	Ozaukee	66.70	68.80	0.24	0.05	0.59	0.07	0.12	-	-	-	0.10	0.11	0.01	17.80	6.10	0.44	0.69	0.49	1.02	-	
551010017	Wisconsin	Racine	63.40	66.10	0.09	0.01	0.41	0.04	0.09	-	-	-	0.01	0.03	0.02	20.75	4.55	0.25	0.22	0.30	0.24	-	
551050024	Wisconsin	Rock	62.10	64.40	0.29	0.04	0.71	0.06	0.16	-	-	-	0.19	0.18	0.04	14.64	1.93	1.47	0.82	0.15	0.74	-	
551270005	Wisconsin	Walworth	62.60	64.20	0.26	0.03	0.49	0.05	0.05	-	-	-	0.18	0.17	0.02	14.57	2.98	0.78	0.71	0.32	0.54	-	
551330027	Wisconsin	Waukesha	61.00	63.10	0.09	0.04	0.74	0.05	0.12	-	-	-	0.08	0.05	0.02	12.63	4.83	0.54	0.80	0.67	0.55	-	
560050123	Wyoming	Campbell	61.60	62.90	-	0.21	-	1.31	0.28	-	-	-	-	-	0.89	-	-	-	0.01	-	0.01	-	
560070100	Wyoming	Carbon	61.00	62.00	-	0.23	-	2.95	2.07	-	-	-	-	-	0.17	-	-	-	-	-	0.01	-	
560210100	Wyoming	Laramie	63.80	63.80	-	0.59	-	1.80	6.63	-	-	-	-	-	0.05	-	-	-	0.03	-	0.02	-	
560370200	Wyoming	Sweetwater	61.30	61.60	-	0.22	-	3.36	0.26	-	-	-	-	-	0.29	-	-	-	-	-	0.01	-	
560370300	Wyoming	Sweetwater	63.20	63.20	0.01	0.76	-	2.86	0.11	-	-	-	-	-	0.12	-	-	-	-	0.01	-	0.04	-
560410101	Wyoming	Uinta	60.60	61.30	0.01	0.83	-	3.24	0.04	-	-	-	-	-	0.15	-	-	-	0.01	-	0.03	-	

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR
530330017	Washington	King	53.90	55.80	-	-	-	-	-	-	0.08	-	0.02	-	-	-	-	-	-	-	-	0.42
540030003	West Virginia	Berkeley	59.50	61.20	2.63	-	1.01	0.13	0.13	0.14	0.05	0.09	0.02	-	-	0.26	0.08	-	0.04	5.90	0.16	0.01
540110006	West Virginia	Cabell	62.20	64.60	-	-	0.89	0.48	0.27	0.34	0.13	0.08	0.02	-	-	0.07	0.02	0.20	0.15	7.97	0.19	0.02
540219991	West Virginia	Gilmer	55.10	55.10	-	-	1.16	0.13	0.14	0.56	0.07	0.11	0.01	-	-	0.06	-	0.01	0.05	8.75	0.44	0.01
540250003	West Virginia	Greenbrier	57.50	58.60	-	-	1.10	0.12	-	0.05	0.07	0.11	0.01	-	-	0.02	-	-	0.04	6.52	0.11	0.02
540291004	West Virginia	Hancock	66.50	68.30	0.87	-	3.27	0.25	0.09	0.53	0.12	0.13	0.02	-	0.08	0.03	0.30	0.05	0.10	13.53	0.31	0.03
540390010	West Virginia	Kanawha	66.20	67.80	0.01	-	1.22	0.17	0.20	0.44	0.10	0.08	0.01	-	-	0.03	0.03	0.01	0.10	10.61	0.29	0.02
540610003	West Virginia	Monongalia	64.00	66.10	-	-	1.99	0.10	0.23	1.22	0.09	0.24	0.03	-	-	0.11	0.01	0.11	0.05	5.83	0.83	0.03
540690010	West Virginia	Ohio	63.70	65.20	0.59	-	2.33	0.28	0.04	0.73	0.09	0.17	0.01	-	0.04	0.04	0.48	0.03	0.16	12.36	0.36	0.02
541071002	West Virginia	Wood	59.60	61.90	0.20	-	0.69	0.15	0.20	0.63	0.06	0.16	0.03	-	0.01	0.12	0.02	0.27	0.06	9.53	0.39	0.03
550090026	Wisconsin	Brown	61.80	63.30	0.01	-	0.93	0.19	0.41	1.61	0.03	0.18	0.02	-	-	0.16	-	0.08	0.05	0.02	2.42	0.02
550250041	Wisconsin	Dane	58.90	61.30	0.01	-	0.22	0.54	0.18	1.72	0.12	0.31	0.02	-	-	0.08	0.01	0.07	0.13	0.18	2.44	0.03
550270001	Wisconsin	Dodge	65.20	65.60	0.02	-	0.71	0.04	0.21	2.89	0.03	0.07	0.01	-	-	0.10	0.02	0.08	0.02	0.41	3.07	0.01
550290004	Wisconsin	Door	67.70	69.70	0.01	-	4.72	0.17	0.17	2.18	0.11	0.16	0.02	-	-	0.08	0.01	0.04	0.06	1.03	1.19	0.02
550390006	Wisconsin	Fond du Lac	64.00	65.90	0.02	-	1.09	0.07	0.20	2.24	0.05	0.10	0.02	-	-	0.08	0.02	0.07	0.02	1.16	2.26	0.02
550550002	Wisconsin	Jefferson	61.40	62.80	0.02	-	1.32	0.32	0.19	1.74	0.09	0.15	0.02	-	-	0.08	0.02	0.08	0.16	0.56	2.36	0.04
550590019	Wisconsin	Kenosha	65.40	67.80	-	-	0.84	0.37	0.20	1.74	0.07	0.10	0.01	-	-	0.08	-	0.03	0.13	0.11	0.89	0.01
550610002	Wisconsin	Kewaunee	67.50	70.20	-	-	4.13	0.10	0.49	1.96	0.08	0.09	0.03	-	-	0.15	0.01	0.01	0.05	1.00	0.34	0.02
550630012	Wisconsin	La Crosse	57.20	58.80	0.01	-	0.01	2.83	0.28	1.13	-	0.87	0.01	-	-	0.17	-	0.07	0.01	0.04	4.21	-
550710007	Wisconsin	Manitowoc	70.20	71.30	0.01	-	4.61	0.06	0.49	1.34	0.05	0.06	0.02	-	-	0.12	0.03	0.05	0.03	1.53	0.91	0.01
550790010	Wisconsin	Milwaukee	60.20	62.20	0.01	-	2.43	0.26	0.37	1.39	0.04	0.05	0.02	-	-	0.17	0.01	0.04	0.06	0.49	0.88	0.01
550790026	Wisconsin	Milwaukee	64.90	67.80	-	-	3.57	0.20	0.45	1.63	0.03	0.06	0.01	-	-	0.15	0.01	0.03	0.04	0.62	0.69	0.01
550790085	Wisconsin	Milwaukee	70.90	72.70	-	-	4.48	0.43	0.50	1.38	0.09	0.05	0.01	-	-	0.11	-	0.03	0.20	0.21	0.52	0.01
550870009	Wisconsin	Outagamie	62.80	65.30	0.01	-	0.66	0.18	0.11	1.85	0.05	0.23	0.05	-	-	0.13	-	0.06	0.06	0.77	1.99	0.02
550890008	Wisconsin	Ozaukee	70.20	73.60	0.04	-	1.68	0.15	0.44	2.02	0.04	0.07	0.02	-	-	0.15	0.02	0.05	0.05	1.30	1.13	0.02
550890009	Wisconsin	Ozaukee	66.70	68.80	0.01	-	2.48	0.04	0.50	1.75	0.02	0.06	0.01	-	-	0.15	0.02	0.06	0.02	0.62	1.34	0.01
551010017	Wisconsin	Racine	63.40	66.10	-	-	2.40	0.42	0.12	1.50	0.09	0.09	0.01	-	-	0.05	-	0.02	0.15	0.19	0.55	0.01
551050024	Wisconsin	Rock	62.10	64.40	0.01	-	0.75	0.11	0.24	2.56	0.08	0.28	0.02	-	-	0.09	0.01	0.08	0.08	0.17	2.52	0.04
551270005	Wisconsin	Walworth	62.60	64.20	0.02	-	1.26	0.20	0.20	1.70	0.07	0.10	0.01	-	-	0.07	0.02	0.08	0.11	1.07	2.24	0.03
551330027	Wisconsin	Waukesha	61.00	63.10	0.01	-	1.15	0.35	0.24	1.95	0.03	0.18	0.01	-	-	0.10	0.01	0.03	0.02	0.40	1.38	0.01
560050123	Wyoming	Campbell	61.60	62.90	-	-	-	-	-	-	2.59	0.17	0.45	-	-	0.05	-	-	0.03	-	0.01	0.41
560070100	Wyoming	Carbon	61.00	62.00	-	-	-	-	-	-	-	-	0.53	-	-	-	-	-	-	-	-	0.08
560210100	Wyoming	Laramie	63.80	63.80	-	-	-	-	-	-	0.01	0.16	0.32	-	-	0.52	-	-	-	-	0.02	0.02
560370200	Wyoming	Sweetwater	61.30	61.60	-	-	-	-	-	-	-	-	0.90	-	-	0.02	-	-	-	-	0.01	0.13
560370300	Wyoming	Sweetwater	63.20	63.20	-	-	-	-	-	-	-	-	0.90	-	-	0.11	-	-	-	-	-	0.03
560410101	Wyoming	Uinta	60.60	61.30	-	-	-	-	-	-	-	-	1.19	-	-	0.06	-	-	-	-	0.03	0.10

Receptor Site ID	State	County	2018 Avg DV	2018 Max DV	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY	TRIBAL	OTHER	BIOG	BNDRY
530330017	Washington	King	53.90	55.80	-	-	-	-	-	-	-	-	-	25.43	-	-	0.01	-	5.43	1.10	21.20
540030003	West Virginia	Berkeley	59.50	61.20	8.13	-	-	0.03	0.26	0.74	0.06	-	0.75	0.02	7.36	0.28	0.13	0.03	1.97	4.63	19.51
540110006	West Virginia	Cabell	62.20	64.60	0.56	-	0.11	0.08	0.87	0.65	0.05	-	0.81	0.05	11.27	0.40	0.14	0.01	1.35	4.79	13.91
540219991	West Virginia	Gilmer	55.10	55.10	0.16	-	0.01	0.03	0.12	0.79	0.04	-	0.10	0.03	14.16	0.42	0.13	0.01	0.84	4.78	13.43
540250003	West Virginia	Greenbrier	57.50	58.60	1.49	-	-	0.02	-	0.16	0.06	-	0.01	0.04	6.11	0.35	0.14	0.01	0.86	2.82	33.51
540291004	West Virginia	Hancock	66.50	68.30	6.51	-	0.02	0.06	0.18	0.63	0.05	-	1.03	0.05	6.45	0.65	0.21	-	2.43	4.79	17.62
540390010	West Virginia	Kanawha	66.20	67.80	0.91	-	0.02	0.04	0.14	0.69	0.04	-	0.03	0.05	20.15	0.47	0.15	0.01	1.23	4.09	18.34
540610003	West Virginia	Monongalia	64.00	66.10	3.90	-	0.04	0.06	0.22	1.45	0.08	-	0.15	0.04	16.40	0.26	0.21	0.02	1.40	5.44	13.87
540690010	West Virginia	Ohio	63.70	65.20	5.57	-	-	0.09	0.08	0.45	0.05	-	0.74	0.05	5.84	0.70	0.17	0.01	3.66	5.33	15.78
541071002	West Virginia	Wood	59.60	61.90	1.21	-	0.11	0.06	1.21	0.95	0.11	-	1.01	0.04	12.28	0.18	0.34	0.02	1.28	4.39	16.18
550090026	Wisconsin	Brown	61.80	63.30	0.03	-	0.04	0.02	0.22	2.88	0.04	-	0.04	0.03	0.03	8.56	0.08	0.01	1.65	7.70	17.51
550250041	Wisconsin	Dane	58.90	61.30	0.05	-	0.04	0.10	0.20	2.56	0.04	-	0.05	0.07	0.09	8.93	0.21	0.01	1.21	8.52	17.31
550270001	Wisconsin	Dodge	65.20	65.60	0.11	-	0.04	0.02	0.26	3.26	0.04	-	0.07	0.01	0.17	7.81	0.10	0.01	1.45	8.43	16.48
550290004	Wisconsin	Door	67.70	69.70	0.09	-	0.03	0.06	0.27	1.38	0.05	-	0.05	0.04	0.14	7.73	0.18	0.01	0.94	7.66	12.88
550390006	Wisconsin	Fond du Lac	64.00	65.90	0.14	-	0.04	0.03	0.29	2.59	0.04	-	0.07	0.02	0.18	7.51	0.14	0.01	1.38	7.43	18.39
550550002	Wisconsin	Jefferson	61.40	62.80	0.09	-	0.04	0.10	0.26	2.56	0.08	-	0.07	0.06	0.15	8.19	0.25	0.01	1.38	7.45	19.00
550590019	Wisconsin	Kenosha	65.40	67.80	0.02	-	0.01	0.01	0.40	1.76	0.04	-	0.03	0.05	0.06	8.28	0.08	0.01	1.35	5.94	10.88
550610002	Wisconsin	Kewaunee	67.50	70.20	0.08	-	-	0.04	0.48	1.01	0.06	-	0.04	0.03	0.15	4.71	0.16	0.01	1.63	6.68	13.17
550630012	Wisconsin	La Crosse	57.20	58.80	0.03	-	0.05	0.12	0.20	3.31	0.09	-	0.04	-	0.03	5.71	0.16	0.03	1.18	12.03	14.28
550710007	Wisconsin	Manitowoc	70.20	71.30	0.22	-	0.02	0.02	0.48	1.46	0.04	-	0.07	0.01	0.27	8.59	0.10	0.01	1.54	6.33	13.29
550790010	Wisconsin	Milwaukee	60.20	62.20	0.10	-	0.02	0.03	0.28	1.34	0.04	-	0.05	0.02	0.17	5.48	0.10	0.01	1.51	5.39	14.56
550790026	Wisconsin	Milwaukee	64.90	67.80	0.12	-	0.02	0.02	0.35	1.25	0.05	-	0.05	0.01	0.19	5.49	0.11	0.01	1.55	5.77	12.94
550790085	Wisconsin	Milwaukee	70.90	72.70	0.04	-	0.02	0.03	0.41	1.03	0.04	-	0.04	0.05	0.10	10.14	0.10	0.01	1.70	6.06	13.49
550870009	Wisconsin	Outagamie	62.80	65.30	0.02	-	0.03	0.03	0.10	2.43	0.16	-	0.03	0.05	0.02	9.29	0.20	0.02	1.22	7.82	20.55
550890008	Wisconsin	Ozaukee	70.20	73.60	0.37	-	0.03	0.03	0.50	1.70	0.05	-	0.16	0.02	0.72	7.30	0.12	0.01	1.83	6.67	14.62
550890009	Wisconsin	Ozaukee	66.70	68.80	0.15	-	0.03	0.01	0.41	1.87	0.05	-	0.07	0.01	0.23	8.92	0.09	0.01	1.57	6.14	11.99
551010017	Wisconsin	Racine	63.40	66.10	0.01	-	0.01	0.03	0.26	1.04	0.03	-	0.02	0.05	0.04	10.24	0.11	-	1.05	5.79	11.92
551050024	Wisconsin	Rock	62.10	64.40	0.04	-	0.04	0.06	0.20	3.06	0.08	-	0.05	0.05	0.05	1.35	0.27	0.01	1.32	7.95	18.87
551270005	Wisconsin	Walworth	62.60	64.20	0.11	-	0.04	0.08	0.25	2.38	0.02	-	0.06	0.05	0.10	3.34	0.07	-	1.89	6.65	18.99
551330027	Wisconsin	Waukesha	61.00	63.10	0.09	-	0.01	0.05	0.44	1.88	0.05	-	0.06	0.01	0.18	9.26	0.11	0.01	1.23	6.96	13.37
560050123	Wyoming	Campbell	61.60	62.90	-	-	-	0.22	-	0.08	1.10	-	-	0.47	-	-	7.83	0.11	12.87	6.74	25.63
560070100	Wyoming	Carbon	61.00	62.00	-	-	-	-	-	0.02	2.99	-	-	-	-	-	1.44	0.52	0.64	2.17	47.08
560210100	Wyoming	Laramie	63.80	63.80	-	-	-	-	-	0.20	0.79	-	-	0.01	-	-	3.24	0.39	1.75	4.40	42.70
560370200	Wyoming	Sweetwater	61.30	61.60	-	-	-	-	-	0.10	3.20	-	-	0.04	-	-	3.52	0.24	0.78	2.22	45.85
560370300	Wyoming	Sweetwater	63.20	63.20	-	-	-	-	-	0.21	3.32	-	-	0.04	-	-	2.08	0.17	1.31	2.23	48.66
560410101	Wyoming	Uinta	60.60	61.30	-	-	-	-	-	0.20	4.45	-	-	0.05	-	-	0.14	0.02	1.39	2.16	46.36