**Parameters in the API:**

<https://aqs.epa.gov/aqsweb/documents/data_api.html#param>

{

"Header": [

{

"status": "Success",

"request\_time": "2020-04-25T12:43:24-04:00",

"url": "https://aqs.epa.gov/data/api/list/parametersByClass?email=test@aqs.api&key=test&pc=CRITERIA",

"rows": 8

}

],

"Data": [

{

"code": "14129",

"value\_represented": "Lead (TSP) LC" Total Suspended Particles – use this

},

{

"code": "42101",

"value\_represented": "Carbon monoxide"

},

{

"code": "42401",

"value\_represented": "Sulfur dioxide"

},

{

"code": "42602",

"value\_represented": "Nitrogen dioxide (NO2)"

},

{

"code": "44201",

"value\_represented": "Ozone"

},

{

"code": "81102",

"value\_represented": "PM10 Total 0-10um STP"

},

{

"code": "85129",

"value\_represented": "Lead PM10 LC FRM/FEM"

},

{

"code": "88101",

"value\_represented": "PM2.5 - Local Conditions"

}

]

}

**List of States on the API**

{

"Header": [

{

"status": "Success",

"request\_time": "2020-04-25T13:12:10-04:00",

"url": "https://aqs.epa.gov/data/api/list/states?email=test@aqs.api&key=test",

"rows": 56

}

],

"Data": [

{

"code": "01",

"value\_represented": "Alabama"

},

{

"code": "02",

"value\_represented": "Alaska"

},

{

"code": "04",

"value\_represented": "Arizona"

},

{

"code": "05",

"value\_represented": "Arkansas"

},

{

"code": "06",

"value\_represented": "California"

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{

"code": "08",

"value\_represented": "Colorado"

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"code": "09",

"value\_represented": "Connecticut"

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"code": "10",

"value\_represented": "Delaware"

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"code": "11",

"value\_represented": "District Of Columbia"

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"code": "12",

"value\_represented": "Florida"

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"code": "13",

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"code": "16",

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"code": "42",

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{

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"value\_represented": "South Carolina"

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"code": "46",

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"code": "47",

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"code": "56",

"value\_represented": "Wyoming"

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"code": "66",

"value\_represented": "Guam"

},

{

"code": "72",

"value\_represented": "Puerto Rico"

},

{

"code": "78",

"value\_represented": "Virgin Islands"

},

{

"code": "80",

"value\_represented": "Country Of Mexico"

},

{

"code": "CC",

"value\_represented": "Canada"

}

]

}

**List of Parameters to focus on:**

**Source** : <https://www.business2community.com/health-wellness/the-9-most-common-air-pollutants-0342288>

1. **Ozone:**  Ground level ozone is different from the ozone that protects people from the sun.  It is actually created on the ground when volatile organic compounds chemically react with oxides of nitrogen in the presence of sunlight.  These chemicals are a result of motor vehicle exhaust, emissions from electric utilities and industrial facilities, chemical solvents, and gas vapors.  Ozone can have a detrimental effect on your health, especially if you have been diagnosed with asthma, COPD, or bronchitis.  Ozone can also have a harmful effect on the ecosystem, causing changes to the quality of habitats, nutrient cycles, and water.
2. **Carbon Monoxide**:  A byproduct of the combustion process, carbon monoxide emissions most commonly come from transportation sources.  Carbon monoxide is harmful to the body in that is inhibits the blood’s ability to deliver oxygen to the organs.  At high levels, it stops oxygen delivery all together, and causes death.
3. **Sulfur Dioxide**:  The combustion of fossil fuels at power plants, and other industrial facilities are responsible for the majority of sulfur dioxide production.  It is also extremely harmful to the respiratory system, causing increased asthma symptoms.  Sulfur dioxide can react with various compounds in the air forming small particles.  These particles can imbed in the lungs, and aggravate emphysema patients, as well as those affected by heart disease.
4. **Lead:**  Lead emissions within the air have decreased dramatically as a direct result of the Environmental Protection Agency’s actions to remove the lead from gas.
5. **Nitrogen Oxides**:  Produced by the emissions formed from power plants, on-road vehicles, and off-road vehicles, nitrogen oxides are one of the chemicals involved in the formation of harmful fine particle pollution and ground level ozone.  Is known for causing respiratory distress, and a number of other health issues.