

APPENDIX A

Speciated Compounds

This appendix lists chemical species measured from the NMOC, PM2.5, and toxics monitoring programs. You can use this appendix to determine the corresponding AQS parameter code. For information on which sites monitor for speciated NMOC, PM2.5, or toxics data, see Table 1, "Air Quality Monitoring Data Availability".

	Compound Name	AQS Parameter Code
NMOC	1,2,3-Trimethylbenzene	45225
	1,2,4-Trimethylbenzene	45208
	1,3,5-Trimethylbenzene	45207
	1,3-Butadiene	43218
	1-Butene	43280
	1-Pentene	43224
	2,2,3-Trimethylbutane	43392
	2,2,4-Trimethylpentane	43250
	2,2-Dimethylbutane	43244
	2,3,4-Trimethylpentane	43252
	2,3-Dimethylbutane	43284
	2,3-Dimethylpentane	43291
	2,4-Dimethylpentane	43247
	2,5-Dimethylhexane	43955
	2-Methyl-1-Pentene	43246
	2-Methyl-2-Butene	43228
	2-Methylbutane	43221
	2-Methylheptane	43960
	2-Methylhexane	43263
	2-Methylpentane	43285
	3-Ethylhexane	43295
	3-Methylbutene	43282
	3-Methylheptane	43253
	3-Methylhexane	43249
	3-Methylpentane	43230
	4-Mpentene/3-Mpentene	43391
	Benzene	45201
	Butane	43212

Compound Name	AQS Parameter Code
c-1,3-Dimethylcyclopentane	43393
c-2-Butene	43217
c-2-Hexene	43290
c-2-Pentene	43227
Cyclohexane	43248
Cyclopentane	43242
Cyclopentene	43283
Decane	43238
Ethane	43202
Ethene	43203
Ethylbenzene	45203
Ethyne	43206
Heptane	43232
Hexane	43231
Isobutane	43214
Isobutene	43270
Isoprene	43243
Iso-Propylbenzene	45210
m/p-Xylene	45109
m-Diethylbenzene	45218
Methylcyclohexane	43261
Methylcyclopentane	43262
m-Ethyltoluene	45212
Nonane	43235
n-Propylbenzene	45209
n-Undecane	43954
Octane	43233
o-Ethyltoluene	45211
o-Xylene	45204
p-Diethylbenzene	45219
Pentane	43220
p-Ethyltoluene	45213
Propane	43204
Propene	43205
Styrene	45220
t-1,3-Dimethylcyclopentane	43394

Compound Name	AQS Parameter Code
t-2-Butene	43216
t-2-Hexene	43289
t-2-Pentene	43226
Toluene	45202

There are also two totals:

Total nonmethane organic compounds	43102
Sum of the PAMs target compounds	43000

PM2.5*

Compound Name	AQS Parameter Code
Aluminum PM2.5	88104
Ammonium Ion PM2.5	88301
Antimony PM2.5	88102
Arsenic PM2.5	88103
Barium PM2.5	88107
Beryllium PM2.5	88105
Bromine PM2.5	88109
Cadmium PM2.5	88110
Calcium PM2.5	88111
Carbonate Carbon PM2.5	88308
Cerium PM2.5	88117
Cesium PM2.5	88118
Chlorine PM2.5	88115
Chromium PM2.5	88112
Cobalt PM2.5	88113
Copper PM2.5	88114
Elemental Carbon PM2.5	88307
Europium PM2.5	88121
Gallium PM2.5	88124
Gold PM2.5	88143
Hafnium PM2.5	88127
Indium PM2.5	88131
Iridium PM2.5	88133
Iron PM2.5	88126
Lanthanum PM2.5	88146
Lead PM2.5	88128
Manganese PM2.5	88132
Magnesium PM2.5	88140
Mercury PM2.5	88142
Molybdenum PM2.5	88134
Nickel PM2.5	88136
Niobium PM2.5	88147
Non-Volatile Nitrate PM2.5	88310
Organic Carbon PM2.5	88305
Phosphorous PM2.5	88152
Potassium Ion PM2.5	88303

* All the PM2.5 parameter codes are for data reported under local conditions of barometric pressure and temperature.

Compound Name	AQS Parameter Code
Potassium PM2.5	88180
Rubidium PM2.5	88176
Samarium PM2.5	88162
Scandium PM2.5	88163
Selenium PM2.5	88154
Silicon PM2.5	88165
Silver PM2.5	88166
Sodium Ion PM2.5	88302
Sodium PM2.5	88184
Strontium PM2.5	88168
Sulfate PM2.5	88403
Sulfur PM2.5	88169
Tantalum PM2.5	88170
Terbium PM2.5	88172
Tin PM2.5	88160
Titanium PM2.5	88161
Total Nitrate PM2.5	88306
Vanadium PM2.5	88164
Volatile Nitrate PM2.5	88309
Wolfram PM2.5	88186
Yttrium PM2.5	88183
Zinc PM2.5	88167
Zirconium PM2.5	88185
PM2.5 - mass	88101

TOXICS*

Compound Name	AQS Parameter Code
**1,3-Butadiene	43218
**Acetaldehyde	43503
**Acetone	43302
Acetonitrile	43702
**Acrolein	43505
**Acrylonitrile	43704
Aluminum	12101
Antimony	12102
Arsenic	12103
Arsenic	12103
Barium	12107
**Benzene	45201
Benzo(a)pyrene	82242
Benzo(b)fluoranthene	82220
Benzo(g,h,i)perylene	82237
Benzo(k)fluoranthene	82223
Bromine	12109
Calcium	12111
**Carbon Disulfide	42153
**Carbon Tetrachloride	43804
Chlorine	13115
Chloroform	43803
Chromium	12112
Cobalt	12113
Copper	12114
Dibenz(a,h)anthracene	82151
**Ethyl Benzene	45203
**Formaldehyde	43502
**Hexavalent Chromium	12115
Indeno(1,2,3-cd)pyrene	82243
Iron	12126
Lead	12128
Manganese	12132
Mercury	12142
**meta/para-Xylene	45109

* The compounds listed are compounds measured as part of the ARB's toxics monitoring program, not all of which have been determined to be a Toxics Air Contaminant for State purposes.

** Compounds identified by the ARB as Toxics Air Contaminants for State purposes.

Compound Name	AQS Parameter Code
**Methyl Chloroform	43814
**Methyl Ethyl Ketone	43552
**Methylene Chloride	43802
Molybdenum	12134
Nickel	12136
**ortho-Dichlorobenzene	45805
**ortho-Xylene	45204
**para-Dichlorobenzene	45807
**Perchloroethylene	43817
Phosphorus	12152
Potassium	12180
Rubidium	12176
Selenium	12154
Silicon	12165
Strontium	12168
**Styrene	45220
Sulfur	12169
Tin	12160
Titanium	12161
**Toluene	45202
**Trichloroethylene	43824
Uranium	12179
Vanadium	12164
Yttrium	12183
Zinc	12167
Zirconium	12185
