

Compounds that DAQ will be monitoring	CAS #	Method
<b>Criteria Pollutants</b>		
Nitrogen dioxide (NO <sub>2</sub> )	10102-44-0	Chemiluminescence Nitrogen Oxides Analyzer with Photolytic Converter Automated Equivalent Method: EQNA-0512-200 <sup>(1)</sup>
Ozone (O <sub>3</sub> )	10028-15-6	UltraViolet Photometric Ambient Ozone Analyzer, Automated Equivalent Method: EQOA-0880-047 <sup>(1)</sup>
PM 2.5 (Particulate Matter)	not applicable	Beta Attenuation Monitor, Automated Equivalent Method: EQPM-0308-170 <sup>(1)</sup>
Sulfur dioxide (SO <sub>2</sub> )	7446-09-5	Pulsed Fluorescence Sulfur Dioxide Analyzer, Automated Equivalent Method: EQSA-0486-060 <sup>(1)</sup>
<b>Aldehydes</b>		
Acetaldehyde	75-07-0	TO-11 <sup>(2)</sup>
Acetone	67-64-1	TO-11 <sup>(2)</sup>
Benzaldehyde	100-52-7	TO-11 <sup>(2)</sup>
Butanal (butyraldehyde)	123-72-8	TO-11 <sup>(2)</sup>
Crotoaldehyde	123-73-9	TO-11 <sup>(2)</sup>
2,5-Dimethylbenzaldehyde	5779-94-2	TO-11 <sup>(2)</sup>
Formaldehyde	50-0-0	TO-11 <sup>(2)</sup>
Glutaraldehyde	111-30-8	TO-11 <sup>(2)</sup>
Hexaldehyde	66-25-1	TO-11 <sup>(2)</sup>
Isovaleraldehyde	590-86-3	TO-11 <sup>(2)</sup>
Pentanaldehyde	110-62-3	TO-11 <sup>(2)</sup>
Propionaldehyde	123-38-6	TO-11 <sup>(2)</sup>
Tolualdehydes (m,p & o)	1334-78-7	TO-11 <sup>(2)</sup>
<b>VOCs</b>		
Acetonitrile	75-05-8	TO-15 <sup>(3)</sup>
Acetylene	74-86-2	PAMS method <sup>(4)</sup>
Acrolein	107-02-8	TO-15 <sup>(3)</sup>
Benzene	71-43-2	TO-15 <sup>(3)</sup>
Benzyl chloride	100-44-7	TO-15 <sup>(3)</sup>
Bromodichloromethane	75-27-4	TO-15 <sup>(3)</sup>
Bromoform	75-25-2	TO-15 <sup>(3)</sup>
Bromomethane	74-83-9	TO-15 <sup>(3)</sup>
1,3-Butadiene	106-99-0	TO-15 <sup>(3)</sup>
n-Butane	106-97-8	PAMS method <sup>(4)</sup>
1-Butanol	71-36-3	TO-15 <sup>(3)</sup>
1-Butene	106-98-6	PAMS method <sup>(4)</sup>
cis-2-Butene	590-18-1	PAMS method <sup>(4)</sup>

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trans-2-Butene	624-64-6	PAMS method <sup>(4)</sup>
Carbon disulfide	75-15-0	TO-15 <sup>(3)</sup>
Carbon tetrachloride	56-23-5	TO-15 <sup>(3)</sup>
Chlorobenzene	108-90-7	TO-15 <sup>(3)</sup>
Chloroethane	75-00-3	TO-15 <sup>(3)</sup>
Chloroform	67-66-3	TO-15 <sup>(3)</sup>
Chloromethane	74-87-3	TO-15 <sup>(3)</sup>
Cyclohexane	110-82-7	TO-15 <sup>(3)</sup>
Cyclopentane	287-92-3	TO-15 <sup>(3)</sup>
n-Decane	124-18-5	PAMS method <sup>(4)</sup>
Dibromoethane	106-93-4	TO-15 <sup>(3)</sup>
m-Dichlorobenzene	541-73-1	TO-15 <sup>(3)</sup>
o-Dichlorobenzene	95-50-1	TO-15 <sup>(3)</sup>
p-Dichlorobenzene	106-46-7	TO-15 <sup>(3)</sup>
1,1-Dichloroethane	75-34-3	TO-15 <sup>(3)</sup>
1,2-Dichloroethane	107-06-2	TO-15 <sup>(3)</sup>
1,2-Dichloroethene	156-60-4	TO-15 <sup>(3)</sup>
1,2-Dichloropropane	78-87-5	TO-15 <sup>(3)</sup>
cis-1,3-Dichloropropene	10061-01-5	TO-15 <sup>(3)</sup>
trans-1,3-Dichloropropene	10061-02-6	TO-15 <sup>(3)</sup>
m-Diethylbenzene	141-93-5	PAMS method <sup>(4)</sup>
p-Diethylbenzene	105-05-5	PAMS method <sup>(4)</sup>
2,2-Dimethylbutane	75-83-2	PAMS method <sup>(4)</sup>
2,3-Dimethylbutane	79-29-8	PAMS method <sup>(4)</sup>
2,3-Dimethylpentane	565-59-3	PAMS method <sup>(4)</sup>
2,4-Dimethylpentane	108-08-7	PAMS method <sup>(4)</sup>
1,4-Dioxane	123-91-1	TO-15 <sup>(3)</sup>
n-Dodecane	112-40-3	PAMS method <sup>(4)</sup>
Ethane	74-84-0	PAMS method <sup>(4)</sup>
Ethanol	64-17-5	TO-15 <sup>(3)</sup>
Ethylbenzene	100-41-4	TO-15 <sup>(3)</sup>
Ethylene	74-85-1	PAMS method <sup>(4)</sup>
Ethyl propyl ketone	589-38-8	TO-15 <sup>(3)</sup>
m-Ethyltoluene	620-14-4	PAMS method <sup>(4)</sup>
o-Ethyltoluene	611-14-3	PAMS method <sup>(4)</sup>
p-Ethyltoluene	622-96-8	PAMS method <sup>(4)</sup>
Freon 11	75-69-4	TO-15 <sup>(3)</sup>

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Freon 12	75-71-8	TO-15 <sup>(3)</sup>
Freon 22	75-45-6	TO-15 <sup>(3)</sup>
Freon 113	76-13-1	TO-15 <sup>(3)</sup>
Freon 114	76-14-2	TO-15 <sup>(3)</sup>
n-Heptane	142-82-5	PAMS method <sup>(4)</sup>
Hexane	110-54-3	TO-15 <sup>(3)</sup>
1-Hexene	592-41-6	PAMS method <sup>(4)</sup>
Isobutane	75-28-5	PAMS method <sup>(4)</sup>
Isobutene	115-11-7	TO-15 <sup>(3)</sup>
Isopentane	78-78-4	PAMS method <sup>(4)</sup>
Isoprene	78-79-5	TO-15 <sup>(3)</sup>
Isopropyl alcohol	67-63-0	TO-15 <sup>(3)</sup>
Isopropylbenzene	98-82-8	PAMS method <sup>(4)</sup>
Methacrolein	78-85-3	TO-15 <sup>(3)</sup>
Methane	74-82-8	PAMS method <sup>(4)</sup>
Methyl butyl ketone	591-78-6	TO-15 <sup>(3)</sup>
Methylcyclohexane	108-87-2	PAMS method <sup>(4)</sup>
Methylcyclopentane	96-37-7	PAMS method <sup>(4)</sup>
Methylene chloride	75-09-2	TO-15 <sup>(3)</sup>
Methyl ethyl ketone (MEK)	78-93-3	TO-15 <sup>(3)</sup>
2-Methylheptane	592-27-8	PAMS method <sup>(4)</sup>
3-Methylheptane	589-81-1	PAMS method <sup>(4)</sup>
2-Methylhexane	591-76-4	PAMS method <sup>(4)</sup>
3-Methylhexane	589-34-4	PAMS method <sup>(4)</sup>
Methyl iodide	75-11-6	TO-15 <sup>(3)</sup>
Methyl isobutyl ketone	108-10-1	TO-15 <sup>(3)</sup>
2-Methylpentane	107-83-5	PAMS method <sup>(4)</sup>
3-Methylpentane	96-14-0	PAMS method <sup>(4)</sup>
MTBE (Methyl tert-butyl ether)	1634-04-4	TO-15 <sup>(3)</sup>
Methyl vinyl ketone	78-94-4	TO-15 <sup>(3)</sup>
n-Nonane	111-84-2	PAMS method <sup>(4)</sup>
n-Octane	111-65-9	PAMS method <sup>(4)</sup>
n-Pentane	109-66-0	TO-15 <sup>(3)</sup>
2-Pentanone	107-87-9	TO-15 <sup>(3)</sup>
3-Pentanone	96-22-0	TO-15 <sup>(3)</sup>
1-Pentene	109-67-1	PAMS method <sup>(4)</sup>
cis-2-Pentene	627-20-3	PAMS method <sup>(4)</sup>

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trans-2-Pentene	646-04-8	PAMS method <sup>(4)</sup>
Propane	74-98-6	PAMS method <sup>(4)</sup>
Propene	115-07-1	TO-15 <sup>(3)</sup>
n-Propylbenzene	103-65-1	PAMS method <sup>(4)</sup>
Styrene	100-42-5	TO-15 <sup>(3)</sup>
1,1,2,2-Tetrachlorethane	79-34-5	TO-15 <sup>(3)</sup>
Tetrachloroethylene	127-18-4	TO-15 <sup>(3)</sup>
Toluene	108-88-3	TO-15 <sup>(3)</sup>
1,2,4-Trichlorobenzene	120-82-1	TO-15 <sup>(3)</sup>
1,1,1-Trichloroethane	71-55-6	TO-15 <sup>(3)</sup>
1,1,2-Trichloroethane	79-00-5	TO-15 <sup>(3)</sup>
Trichloroethylene	79-01-6	TO-15 <sup>(3)</sup>
1,2,3-Trimethylbenzene	526-73-8	TO-15 <sup>(3)</sup>
1,2,4-Trimethylbenzene	95-63-6	TO-15 <sup>(3)</sup>
1,3,5-Trimethylbenzene	108-67-8	TO-15 <sup>(3)</sup>
2,2,4-Trimethylpentane	540-84-1	PAMS method <sup>(4)</sup>
2,3,4-Trimethylpentane	565-75-3	PAMS method <sup>(4)</sup>
n-Undecane	1120-21-4	PAMS method <sup>(4)</sup>
Vinyl acetate	108-05-4	TO-15 <sup>(3)</sup>
Vinyl chloride	75-01-4	TO-15 <sup>(3)</sup>
Vinylidene chloride	75-35-4	TO-15 <sup>(3)</sup>
m,p-Xylenes	108-38-3 & 106-42-3	TO-15 <sup>(3)</sup>
o-Xylene	95-47-6	TO-15 <sup>(3)</sup>
<b>Sulfur compounds</b>		
Hydrogen sulfide	7783-06-4	Jerome meter screening (tentative)
<b>Meteorology</b>		<b>EPA Meteorological Monitoring Guidance<sup>(5)</sup></b>
wind speed	not applicable	Instrumental - Electronic or Machine Average
wind direction	not applicable	Instrumental - Electronic or Machine Average
temperature	not applicable	Instrumental - Electronic or Machine Average
relative humidity	not applicable	Instrumental - Electronic or Machine Average
<b>Reference links to methods:</b>		
<a href="http://www.epa.gov/ttn/amtic/files/ambient/criteria/reference-equivalent-methods-list.pdf"> (1) criteria pollutants: http://www.epa.gov/ttn/amtic/files/ambient/criteria/reference-equivalent-methods-list.pdf</a>		
<a href="http://www.epa.gov/ttnamti1/files/ambient/airtox/to-11ar.pdf"> (2) Method TO 11A: http://www.epa.gov/ttnamti1/files/ambient/airtox/to-11ar.pdf</a>		
<a href="http://www.epa.gov/ttnamti1/files/ambient/airtox/to-15r.pdf"> (3) Method TO 15: http://www.epa.gov/ttnamti1/files/ambient/airtox/to-15r.pdf</a>		
<a href="http://www.epa.gov/ttnamti1/files/ambient/pams/newtad.pdf"> (4) http://www.epa.gov/ttnamti1/files/ambient/pams/newtad.pdf</a>		
<a href="http://www.epa.gov/ttn/amtic/files/ambient/met/Volume%20IV_Meteorological_Measurements.pdf"> (5) Meteorological Guidance: http://www.epa.gov/ttn/amtic/files/ambient/met/Volume%20IV_Meteorological_Measurements.pdf</a>		