

**ConocoPhillips Refinery
Ambient Cannister Sampling Results
Friday, October 22, 2010**

Typical Laboratory Data from Analyses of Ambient Air for Toxic and Non-methane Organic Compounds

| compound | | | TYPICAL VALUES FOR COMPARISON | | | | |
|----------------------|--------------------------|--------------------------|-------------------------------|------------------|--------------------|---------------------|------------------|
| | | | 24 hr integrated | 24 hr integrated | 24hr integrated | 2002 Toxic | 3 hr integrated |
| | | | sample | sample | sample | Network | sample- commute |
| | Conoco Phillips Refinery | Conoco Phillips Refinery | | | | | |
| | Upwind Flaring sample | Downwind flaring sample | | | | | |
| | Cannister # 1091 | Cannister # ENF 59 | | | | | |
| | (ppb) | (ppb) | typical day | hot summer day | cold inversion day | min/ max/ mean | Caldecott Tunnel |
| | | (ppb range) | (ppb range) | (ppb range) | (ppb) | (ppb range) | |
| methylene chloride | 0.5 | 0.13 | <0.5 | <0.5 to 2 | <0.5 to 2 | <0.5/ 3.3/ <0.5 | <0.5 to 2 |
| chloroform | <MDL | 0.03 | <0.02 to 0.05 | 0.02 to 0.1 | 0.02 to 0.1 | <0.02/ 0.12 / 0.02 | 0.02 to 0.1 |
| 111 TCA | <MDL | <MDL | <0.05 to 0.5 | <0.05 to 0.5 | <0.05 to 1 | <0.05/ 4.19 / 0.11 | <0.05 to 1 |
| carbon tetrachloride | 0.07 | 0.09 | 0.1 | 0.1 | 0.1 | 0.09/ 0.36 / 0.11 | 0.1 |
| Trichloroethylene | <MDL | <MDL | <0.05 to 0.1 | <0.05 to 0.2 | <0.05 to 0.3 | <0.05/ 0.84 / <0.08 | <0.05 to 0.3 |
| perchloroethylene | 0.043 | 0.007 | <0.01 to 0.05 | 0.01 to 0.2 | 0.01 to 0.5 | <0.01/ 0.30 / 0.04 | 0.01 to 0.5 |
| 1,2 dichloroethane | <MDL | <MDL | <0.1 | <0.1 | <0.1 | <0.1/ <0.1/ <0.1 | <0.2 |
| F11 | 0.12 | 0.14 | 0.2 to 0.3 | 0.2 to 0.4 | 0.2 to 0.4 | * | 0.2 to 0.4 |
| F113 | 0.07 | 0.06 | 0.05 to 0.12 | 0.05 to 0.15 | 0.05 to 0.2 | * | 0.05 to 0.2 |
| vinyl chloride | <MDL | <MDL | <0.3 | <0.3 | <0.3 | <0.3/ <0.3/ <0.3 | <0.3 |
| 1,3 butadiene | <MDL | <MDL | <0.15 to 0.3 | <0.15 to 0.5 | <0.15 to 1 | <0.3/ 0.5 / <0.3 | 1 to 20 |
| acetone | 0.81 | 0.97 | 2 to 20 | 2 to 20 | over 20 | * | 10 to 40 |
| MEK | <MDL | 0.26 | 0.2 to 1 | 0.2 to 2 | over 20 | * | 0.5 to 4 |
| benzene | 0.06 | 0.08 | 0.1 to 1 | 0.5 to 2 | 0.5 to 10 | 0.1/ 2.2/ 0.4 | 5 to 50 |
| Toluene | 0.06 | 0.25 | 0.1 to 2 | 0.5 to 4 | 1 to 20 | 0.1/ 24.9 / 1.2 | 10 to 100 |
| ethylbenzene | <MDL | <MDL | 0.1 to 0.5 | 0.1 to 1 | 1 to 10 | * | 5 to 30 |
| m/p xylene | <MDL | 0.08 | 0.1 to 1 | 0.1 to 2 | 1 to 20 | * | 5 to 50 |
| o xylene | <MDL | 0.08 | 0.1 to 0.5 | 0.1 to 1 | 1 to 10 | * | 5 to 30 |

Compounds analyzed as part of the Toxics Program
* These compounds not officially reported until 1/1/2003