



Pace Analytical Services, Inc.  
 1700 Elm Street – Suite 200  
 Minneapolis, MN 55414  
 Phone: 612.607.1700  
 Fax: 612.607.6444

**ANALYTICAL RESULTS**

Client: Hamilton County Dept. of Environmental Services  
 Phone: 513-946-7742

Lab Project Number: 1094293  
 Project Name: Addyston Air Monitor

Lab Sample No: 1094293001  
 Client Sample ID: 0847042509

ProjSampleNum: 1094293001  
 Matrix: Air

Date Collected: 04/25/09 23:59  
 Date Received: 05/05/09 9:50

| Parameters                     | Results | Units | Report Limit | DF | Analyzed           | CAS No.  | Qualifiers |
|--------------------------------|---------|-------|--------------|----|--------------------|----------|------------|
| <b>Air</b>                     |         |       |              |    |                    |          |            |
| TO-15                          |         |       |              |    |                    |          |            |
| 1,1,1-Trichloroethane          | ND      | ppbv  | 0.099        | 1  | 05/07/09 22:57 DB1 | 71-55-6  |            |
| 1,1,2,2-Tetrachloroethane      | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 79-34-5  |            |
| 1,1,2-Trichloroethane          | ND      | ppbv  | 0.099        | 1  | 05/07/09 22:57 DB1 | 79-00-5  |            |
| 1,1,2-Trichlorotrifluoroethane | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 76-13-1  |            |
| 1,1-Dichloroethane             | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 75-34-3  |            |
| 1,1-Dichloroethene             | ND      | ppbv  | 0.099        | 1  | 05/07/09 22:57 DB1 | 75-35-4  |            |
| 1,2,4-Trichlorobenzene         | ND      | ppbv  | 0.066        | 1  | 05/07/09 22:57 DB1 | 120-82-1 |            |
| 1,2,4-Trimethylbenzene         | ND      | ppbv  | 0.24         | 1  | 05/07/09 22:57 DB1 | 95-63-6  |            |
| 1,2-Dibromoethane (EDB)        | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 106-93-4 |            |
| 1,2-Dichlorobenzene            | ND      | ppbv  | 0.098        | 1  | 05/07/09 22:57 DB1 | 95-50-1  |            |
| 1,2-Dichloroethane             | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 107-06-2 |            |
| 1,2-Dichloropropane            | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 78-87-5  |            |
| 1,3,5-Trimethylbenzene         | ND      | ppbv  | 0.24         | 1  | 05/07/09 22:57 DB1 | 108-67-8 |            |
| 1,3-Butadiene                  | 1.07    | ppbv  | 0.098        | 1  | 05/07/09 22:57 DB1 | 106-99-0 |            |
| 1,3-Dichlorobenzene            | ND      | ppbv  | 0.098        | 1  | 05/07/09 22:57 DB1 | 541-73-1 |            |
| 1,4-Dichlorobenzene            | ND      | ppbv  | 0.098        | 1  | 05/07/09 22:57 DB1 | 106-46-7 |            |
| 2-Butanone (MEK)               | 2.23    | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 78-93-3  |            |
| 2-Hexanone                     | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 591-78-6 |            |
| 4-Ethyltoluene                 | ND      | ppbv  | 0.24         | 1  | 05/07/09 22:57 DB1 | 622-96-8 |            |
| 4-Methyl-2-pentanone (MIBK)    | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 108-10-1 |            |
| Acetone                        | 4.72    | ppbv  | 0.099        | 1  | 05/07/09 22:57 DB1 | 67-64-1  |            |
| Acrylonitrile                  | 10.9    | ppbv  | 0.25         | 1  | 05/07/09 22:57 DB1 | 107-13-1 |            |
| Benzene                        | ND      | ppbv  | 0.099        | 1  | 05/07/09 22:57 DB1 | 71-43-2  |            |
| Bromodichloromethane           | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 75-27-4  |            |
| Bromoform                      | ND      | ppbv  | 0.095        | 1  | 05/07/09 22:57 DB1 | 75-25-2  |            |
| Bromomethane                   | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 74-83-9  |            |
| Carbon disulfide               | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 75-15-0  |            |
| Carbon tetrachloride           | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 56-23-5  |            |
| Chlorobenzene                  | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 108-90-7 |            |
| Chloroethane                   | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 75-00-3  |            |
| Chloroform                     | ND      | ppbv  | 0.1          | 1  | 05/07/09 22:57 DB1 | 67-66-3  |            |

**SUPPLEMENTAL REPORT**

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Lab Project Number: 1094293  
 Project Name: Addyston Air Monitor

|                           |       |      |       |   |                |     |            |
|---------------------------|-------|------|-------|---|----------------|-----|------------|
| Chloromethane             | 0.572 | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 74-87-3    |
| cis-1,2-Dichloroethene    | ND    | ppbv | 0.099 | 1 | 05/07/09 22:57 | DB1 | 156-59-2   |
| cis-1,3-Dichloropropene   | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 10061-01-5 |
| Cyclohexane               | ND    | ppbv | 0.097 | 1 | 05/07/09 22:57 | DB1 | 110-82-7   |
| Dibromochloromethane      | ND    | ppbv | 0.098 | 1 | 05/07/09 22:57 | DB1 | 124-48-1   |
| Dichlorodifluoromethane   | 0.637 | ppbv | 0.099 | 1 | 05/07/09 22:57 | DB1 | 75-71-8    |
| Dichlorotetrafluoroethane | ND    | ppbv | 0.099 | 1 | 05/07/09 22:57 | DB1 | 76-14-2    |
| Ethyl acetate             | ND    | ppbv | 0.098 | 1 | 05/07/09 22:57 | DB1 | 141-78-6   |
| Ethylbenzene              | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 100-41-4   |
| Hexachloro-1,3-butadiene  | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 87-68-3    |
| m&p-Xylene                | ND    | ppbv | 0.2   | 1 | 05/07/09 22:57 | DB1 | 1330-20-7  |
| Methylene Chloride        | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 75-09-2    |
| Methyl-tert-butyl ether   | ND    | ppbv | 0.098 | 1 | 05/07/09 22:57 | DB1 | 1634-04-4  |
| Naphthalene               | ND    | ppbv | 0.26  | 1 | 05/07/09 22:57 | DB1 | 91-20-3    |
| n-Heptane                 | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 142-82-5   |
| n-Hexane                  | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 110-54-3   |
| o-Xylene                  | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 95-47-6    |
| Propylene                 | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 115-07-1   |
| Styrene                   | 3.35  | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 100-42-5   |
| Tetrachloroethene         | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 127-18-4   |
| Tetrahydrofuran           | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 109-99-9   |
| Toluene                   | ND    | ppbv | 0.099 | 1 | 05/07/09 22:57 | DB1 | 108-88-3   |
| trans-1,2-Dichloroethene  | ND    | ppbv | 0.099 | 1 | 05/07/09 22:57 | DB1 | 156-60-5   |
| trans-1,3-Dichloropropene | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 10061-02-6 |
| Trichloroethene           | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 79-01-6    |
| Trichlorofluoromethane    | 0.28  | ppbv | 0.096 | 1 | 05/07/09 22:57 | DB1 | 75-69-4    |
| Vinyl acetate             | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 108-05-4   |
| Vinyl chloride            | ND    | ppbv | 0.1   | 1 | 05/07/09 22:57 | DB1 | 75-01-4    |

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

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## PARAMETER FOOTNOTES

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Date: 5/15/2009

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