

## ANALYTICAL RESULTS

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

Lab Project Number: 10398975  
Project Name: Kibby Lane Air Monitor

|                               |                            |                                |
|-------------------------------|----------------------------|--------------------------------|
| Lab Sample No: 10398975001    | ProjSampleNum: 10398975001 | Date Collected: 08/05/17 23:59 |
| Client Sample ID: K1354080517 | Matrix: Air                | Date Received: 08/10/17 9:45   |

| Parameters                     | Results      | Units       | Report Limit | MDL          | Analyzed                  | CAS No.         | Ftnote |
|--------------------------------|--------------|-------------|--------------|--------------|---------------------------|-----------------|--------|
| <b>Air</b>                     |              |             |              |              |                           |                 |        |
| TO-15                          |              |             |              |              |                           |                 |        |
| 1,1,1-Trichloroethane          | ND           | ppbv        | 0.2          | 0.061        | 08/14/17 14:02 MJL        | 71-55-6         |        |
| 1,1,2,2-Tetrachloroethane      | ND           | ppbv        | 0.1          | 0.037        | 08/14/17 14:02 MJL        | 79-34-5         |        |
| 1,1,2-Trichloroethane          | ND           | ppbv        | 0.099        | 0.04         | 08/14/17 14:02 MJL        | 79-00-5         |        |
| 1,1,2-Trichlorotrifluoroethane | 0.053J       | ppbv        | 0.21         | 0.046        | 08/14/17 14:02 MJL        | 76-13-1         |        |
| 1,1-Dichloroethane             | ND           | ppbv        | 0.2          | 0.051        | 08/14/17 14:02 MJL        | 75-34-3         |        |
| 1,1-Dichloroethene             | ND           | ppbv        | 0.2          | 0.06         | 08/14/17 14:02 MJL        | 75-35-4         |        |
| 1,2,4-Trichlorobenzene         | ND           | ppbv        | 0.5          | 0.13         | 08/14/17 14:02 MJL        | 120-82-1        |        |
| 1,2,4-Trimethylbenzene         | ND           | ppbv        | 0.2          | 0.034        | 08/14/17 14:02 MJL        | 95-63-6         |        |
| 1,2-Dibromoethane (EDB)        | ND           | ppbv        | 0.2          | 0.038        | 08/14/17 14:02 MJL        | 106-93-4        |        |
| 1,2-Dichlorobenzene            | ND           | ppbv        | 0.2          | 0.029        | 08/14/17 14:02 MJL        | 95-50-1         |        |
| 1,2-Dichloroethane             | ND           | ppbv        | 0.1          | 0.046        | 08/14/17 14:02 MJL        | 107-06-2        |        |
| 1,2-Dichloropropane            | ND           | ppbv        | 0.2          | 0.047        | 08/14/17 14:02 MJL        | 78-87-5         |        |
| 1,3,5-Trimethylbenzene         | ND           | ppbv        | 0.2          | 0.048        | 08/14/17 14:02 MJL        | 108-67-8        |        |
| <b>1,3-Butadiene</b>           | <b>ND</b>    | <b>ppbv</b> | <b>0.2</b>   | <b>0.044</b> | <b>08/14/17 14:02 MJL</b> | <b>106-99-0</b> |        |
| 1,3-Dichlorobenzene            | ND           | ppbv        | 0.2          | 0.023        | 08/14/17 14:02 MJL        | 541-73-1        |        |
| 1,4-Dichlorobenzene            | ND           | ppbv        | 0.2          | 0.033        | 08/14/17 14:02 MJL        | 106-46-7        |        |
| 2-Butanone (MEK)               | 0.37J        | ppbv        | 1            | 0.067        | 08/14/17 14:02 MJL        | 78-93-3         |        |
| 2-Hexanone                     | ND           | ppbv        | 1            | 0.053        | 08/14/17 14:02 MJL        | 591-78-6        |        |
| 4-Ethyltoluene                 | ND           | ppbv        | 0.2          | 0.03         | 08/14/17 14:02 MJL        | 622-96-8        |        |
| 4-Methyl-2-pentanone (MIBK)    | ND           | ppbv        | 1            | 0.058        | 08/14/17 14:02 MJL        | 108-10-1        |        |
| Acetone                        | 3.3          | ppbv        | 0.99         | 0.3          | 08/14/17 14:02 MJL        | 67-64-1         |        |
| <b>Acrylonitrile</b>           | <b>0.39J</b> | <b>ppbv</b> | <b>0.5</b>   | <b>0.073</b> | <b>08/14/17 14:02 MJL</b> | <b>107-13-1</b> |        |
| Benzene                        | 0.086J       | ppbv        | 0.099        | 0.04         | 08/14/17 14:02 MJL        | 71-43-2         |        |
| Bromodichloromethane           | ND           | ppbv        | 0.21         | 0.034        | 08/14/17 14:02 MJL        | 75-27-4         |        |
| Bromoform                      | ND           | ppbv        | 0.2          | 0.039        | 08/14/17 14:02 MJL        | 75-25-2         |        |
| Bromomethane                   | ND           | ppbv        | 0.2          | 0.053        | 08/14/17 14:02 MJL        | 74-83-9         |        |
| Carbon disulfide               | ND           | ppbv        | 0.2          | 0.031        | 08/14/17 14:02 MJL        | 75-15-0         |        |
| Carbon tetrachloride           | 0.063J       | ppbv        | 0.1          | 0.045        | 08/14/17 14:02 MJL        | 56-23-5         |        |
| Chlorobenzene                  | ND           | ppbv        | 0.2          | 0.038        | 08/14/17 14:02 MJL        | 108-90-7        |        |
| Chloroethane                   | ND           | ppbv        | 0.2          | 0.075        | 08/14/17 14:02 MJL        | 75-00-3         |        |
| Chloroform                     | ND           | ppbv        | 0.1          | 0.042        | 08/14/17 14:02 MJL        | 67-66-3         |        |
| Chloromethane                  | 0.32         | ppbv        | 0.2          | 0.052        | 08/14/17 14:02 MJL        | 74-87-3         |        |
| cis-1,2-Dichloroethene         | ND           | ppbv        | 0.2          | 0.055        | 08/14/17 14:02 MJL        | 156-59-2        |        |
| cis-1,3-Dichloropropene        | ND           | ppbv        | 0.2          | 0.019        | 08/14/17 14:02 MJL        | 10061-01-5      |        |
| Cyclohexane                    | ND           | ppbv        | 0.2          | 0.046        | 08/14/17 14:02 MJL        | 110-82-7        |        |
| Dibromochloromethane           | ND           | ppbv        | 0.2          | 0.038        | 08/14/17 14:02 MJL        | 124-48-1        |        |
| Dichlorodifluoromethane        | 0.38         | ppbv        | 0.2          | 0.084        | 08/14/17 14:02 MJL        | 75-71-8         |        |
| Dichlorotetrafluoroethane      | ND           | ppbv        | 0.2          | 0.062        | 08/14/17 14:02 MJL        | 76-14-2         |        |

## SUPPLEMENTAL REPORT

Units Conversion Request



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

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|---------------------------|-------------|-------------|--------------|--------------|---------------------------|-----------------|--------|
| <b>Air</b>                |             |             |              |              |                           |                 |        |
| Ethyl acetate             | ND          | ppbv        | 0.2          | 0.046        | 08/14/17 14:02 MJL        | 141-78-6        |        |
| Ethylbenzene              | ND          | ppbv        | 0.2          | 0.039        | 08/14/17 14:02 MJL        | 100-41-4        |        |
| Hexachloro-1,3-butadiene  | ND          | ppbv        | 0.5          | 0.038        | 08/14/17 14:02 MJL        | 87-68-3         |        |
| m&p-Xylene                | ND          | ppbv        | 0.41         | 0.079        | 08/14/17 14:02 MJL        | 179601-23-      |        |
| Methylene Chloride        | ND          | ppbv        | 0.99         | 0.42         | 08/14/17 14:02 MJL        | 75-09-2         |        |
| Methyl-tert-butyl ether   | ND          | ppbv        | 1            | 0.085        | 08/14/17 14:02 MJL        | 1634-04-4       |        |
| Naphthalene               | ND          | ppbv        | 0.51         | 0.11         | 08/14/17 14:02 MJL        | 91-20-3         |        |
| n-Heptane                 | ND          | ppbv        | 0.2          | 0.05         | 08/14/17 14:02 MJL        | 142-82-5        |        |
| n-Hexane                  | ND          | ppbv        | 0.2          | 0.042        | 08/14/17 14:02 MJL        | 110-54-3        |        |
| o-Xylene                  | ND          | ppbv        | 0.2          | 0.041        | 08/14/17 14:02 MJL        | 95-47-6         |        |
| Propylene                 | 0.21        | ppbv        | 0.2          | 0.063        | 08/14/17 14:02 MJL        | 115-07-1        | CH, L1 |
| <b>Styrene</b>            | <b>0.55</b> | <b>ppbv</b> | <b>0.2</b>   | <b>0.032</b> | <b>08/14/17 14:02 MJL</b> | <b>100-42-5</b> |        |
| Tetrachloroethene         | ND          | ppbv        | 0.1          | 0.042        | 08/14/17 14:02 MJL        | 127-18-4        |        |
| Tetrahydrofuran           | ND          | ppbv        | 0.2          | 0.033        | 08/14/17 14:02 MJL        | 109-99-9        |        |
| Toluene                   | 0.2J        | ppbv        | 0.2          | 0.039        | 08/14/17 14:02 MJL        | 108-88-3        |        |
| trans-1,2-Dichloroethene  | ND          | ppbv        | 0.2          | 0.05         | 08/14/17 14:02 MJL        | 156-60-5        |        |
| trans-1,3-Dichloropropene | ND          | ppbv        | 0.2          | 0.03         | 08/14/17 14:02 MJL        | 10061-02-6      |        |
| Trichloroethene           | ND          | ppbv        | 0.1          | 0.037        | 08/14/17 14:02 MJL        | 79-01-6         |        |
| Trichlorofluoromethane    | 0.17J       | ppbv        | 0.19         | 0.074        | 08/14/17 14:02 MJL        | 75-69-4         |        |
| Vinyl acetate             | ND          | ppbv        | 0.2          | 0.036        | 08/14/17 14:02 MJL        | 108-05-4        |        |
| Vinyl chloride            | ND          | ppbv        | 0.1          | 0.05         | 08/14/17 14:02 MJL        | 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.

### SUPPLEMENTAL REPORT

Units Conversion Request