

ANALYTICAL RESULTS

Project Location: Marcellus
 Date Received: 11/8/2011
 Field Sample #: XXXXXXXXXX
 Sample ID: 11K0217-01
 Sample Matrix: Ambient Air
 Sampled: 10/12/2011 14:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1720
 Canister Size: 6 liter
 Flow Controller ID: 3435
 Sample Type: 24 hr

Work Order: 11K0217
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -13.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-14A

| Analyte | ppbv | | Flag | ug/m3 | | Dilution | Date/Time | | Analyst |
|--|---------|-------|------|---------|------|----------|-----------|------|---------|
| | Results | RL | | Results | RL | | Analyzed | | |
| Benzene | 0.10 | 0.050 | | 0.33 | 0.16 | 1 | 11/9/11 | 8:56 | WSD |
| Bromomethane | ND | 0.050 | | ND | 0.19 | 1 | 11/9/11 | 8:56 | WSD |
| Carbon Tetrachloride | 0.073 | 0.050 | | 0.46 | 0.31 | 1 | 11/9/11 | 8:56 | WSD |
| Chlorobenzene | ND | 0.050 | | ND | 0.23 | 1 | 11/9/11 | 8:56 | WSD |
| Chloroethane | ND | 0.050 | | ND | 0.13 | 1 | 11/9/11 | 8:56 | WSD |
| Chloroform | ND | 0.050 | | ND | 0.24 | 1 | 11/9/11 | 8:56 | WSD |
| Chloromethane | 0.52 | 0.050 | | 1.1 | 0.10 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2-Dibromoethane (EDB) | ND | 0.050 | | ND | 0.38 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 11/9/11 | 8:56 | WSD |
| 1,3-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 11/9/11 | 8:56 | WSD |
| 1,4-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 11/9/11 | 8:56 | WSD |
| Dichlorodifluoromethane (Freon 12) | 0.38 | 0.050 | | 1.9 | 0.25 | 1 | 11/9/11 | 8:56 | WSD |
| 1,1-Dichloroethane | ND | 0.050 | | ND | 0.20 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2-Dichloroethane | ND | 0.050 | | ND | 0.20 | 1 | 11/9/11 | 8:56 | WSD |
| 1,1-Dichloroethylene | ND | 0.050 | | ND | 0.20 | 1 | 11/9/11 | 8:56 | WSD |
| cis-1,2-Dichloroethylene | ND | 0.050 | | ND | 0.20 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2-Dichloropropane | ND | 0.050 | | ND | 0.23 | 1 | 11/9/11 | 8:56 | WSD |
| cis-1,3-Dichloropropene | ND | 0.050 | | ND | 0.23 | 1 | 11/9/11 | 8:56 | WSD |
| trans-1,3-Dichloropropene | ND | 0.050 | | ND | 0.23 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND | 0.050 | | ND | 0.35 | 1 | 11/9/11 | 8:56 | WSD |
| Ethylbenzene | ND | 0.050 | | ND | 0.22 | 1 | 11/9/11 | 8:56 | WSD |
| Hexachlorobutadiene | ND | 0.050 | | ND | 0.53 | 1 | 11/9/11 | 8:56 | WSD |
| Methylene Chloride | 1.2 | 0.50 | | 4.1 | 1.7 | 1 | 11/9/11 | 8:56 | WSD |
| Styrene | ND | 0.050 | | ND | 0.21 | 1 | 11/9/11 | 8:56 | WSD |
| 1,1,2,2-Tetrachloroethane | ND | 0.050 | | ND | 0.34 | 1 | 11/9/11 | 8:56 | WSD |
| Tetrachloroethylene | ND | 0.050 | | ND | 0.34 | 1 | 11/9/11 | 8:56 | WSD |
| Toluene | 0.22 | 0.050 | | 0.83 | 0.19 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2,4-Trichlorobenzene | ND | 0.050 | | ND | 0.37 | 1 | 11/9/11 | 8:56 | WSD |
| 1,1,1-Trichloroethane | ND | 0.050 | | ND | 0.27 | 1 | 11/9/11 | 8:56 | WSD |
| 1,1,2-Trichloroethane | ND | 0.050 | | ND | 0.27 | 1 | 11/9/11 | 8:56 | WSD |
| Trichloroethylene | ND | 0.050 | | ND | 0.27 | 1 | 11/9/11 | 8:56 | WSD |
| Trichlorofluoromethane (Freon 11) | 0.26 | 0.050 | | 1.5 | 0.28 | 1 | 11/9/11 | 8:56 | WSD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 0.092 | 0.050 | | 0.71 | 0.38 | 1 | 11/9/11 | 8:56 | WSD |
| 1,2,4-Trimethylbenzene | ND | 0.050 | | ND | 0.25 | 1 | 11/9/11 | 8:56 | WSD |
| 1,3,5-Trimethylbenzene | ND | 0.050 | | ND | 0.25 | 1 | 11/9/11 | 8:56 | WSD |
| Vinyl Chloride | ND | 0.050 | | ND | 0.13 | 1 | 11/9/11 | 8:56 | WSD |
| m&p-Xylene | ND | 0.10 | | ND | 0.43 | 1 | 11/9/11 | 8:56 | WSD |
| o-Xylene | ND | 0.050 | | ND | 0.22 | 1 | 11/9/11 | 8:56 | WSD |

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| Analyte | ppbv | | Flag | ug/m3 | | Dilution | Date/Time | | Analyst |
|--------------------------|------------|-----|------|--------------|--------|----------|-----------|------|---------|
| | Results | RL | | Results | RL | | Analyzed | | |
| Surrogates | % Recovery | | | % REC Limits | | | | | |
| 4-Bromofluorobenzene (1) | | 105 | | | 70-130 | | 11/9/11 | 8:56 | |