# Eastern Research Group - Method TO-15 , Jackson Steel (November 20, 2002)

DESA Sampling

| FIELD ID | Bill East | | | Bill West | | | TT Play | | | TT Vent | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERG SAMPLE ID | 30774 | | | 30775 | | | 30776 | | | 30777 | | |
| CANISTER NUMBER | 170 | | | 135 | | | 163 | | | ER054 | | |
| SAMPLE DATE | 11/20/2002 | | | 11/20/2002 | | | 11/20/2002 | | | 11/20/2002 | | |
| ANALYSIS DATE | 12/18/2002 | | | 12/17/2002 | | | 12/18/2002 | | | 12/18/2002 | | |
| FILE NAME | L2LQ014 | | | L2LQ013 | | | L2LQ017 | | | L2LQ018 | | |
| UNITS | ppbv | | µg/m³ | ppbv | | µg/m³ | ppbv | | µg/m³ | ppbv | | µg/m³ |
| ACETYLENE | 2.81 | | 3.01 | 2.53 | | 2.71 | 1.69 | | 1.81 | 2.09 | | 2.24 |
| PROPYLENE | 1.25 | | 2.14 | 1.15 | | 1.97 | 0.80 | | 1.37 | 1.50 | | 2.57 |
| DICHLORODIFLUOROMETHANE | 0.66 | | 3.26 | 0.61 | | 3.01 | 0.61 | | 3.01 | 0.68 | | 3.36 |
| CHLOROMETHANE | 0.59 | | 1.20 | 0.46 | | 0.94 | 0.51 | | 1.04 | 0.46 | | 0.94 |
| DICHLOROTETRAFLUOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| VINYL CHLORIDE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,3-BUTADIENE | 0.21 | | 0.46 | 0.16 | | 0.35 | 0.12 | | 0.26 | 0.19 | | 0.42 |
| BROMOMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ACETONITRILE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TRICHLOROFLUOROMETHANE | 0.33 | | 1.84 | 0.32 | | 1.79 | 0.28 | | 1.57 | 0.28 | | 1.57 |
| ACRYLONITRILE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1-DICHLOROETHENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| METHYLENE CHLORIDE | 1.31 | | 4.55 | 1.33 | | 4.62 | 1.04 | | 3.61 | 0.70 | | 2.43 |
| TRICHLOROTRIFLUOROETHANE | 0.17 | | 1.30 | 0.14 | | 1.07 | 0.15 | | 1.14 | 0.14 | | 1.07 |
| trans - 1,2 - DICHLOROETHYLENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1 - DICHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| METHYL tert-BUTYL ETHER | 2.01 | | 7.22 | 2.06 | | 7.40 | 1.16 | | 4.16 | 2.01 | | 7.22 |
| METHYL ETHYL KETONE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROPRENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| cis-1,2-DICHLOROETHYLENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| BROMOCHLOROMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROFORM | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ETHYL tert-BUTYL ETHER | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2 - DICHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1,1 - TRICHLOROETHANE | 0.06 | | 0.33 | 0.06 | | 0.33 | 0.06 | | 0.33 | 0.05 | | 0.27 |
| BENZENE | 0.76 | | 2.42 | 0.69 | | 2.19 | 0.54 | | 1.72 | 0.66 | | 2.10 |
| CARBON TETRACHLORIDE | 0.12 | | 0.75 | 0.12 | | 0.75 | 0.10 | | 0.63 | 0.11 | | 0.69 |
| tert-AMYL METHYL ETHER | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2 - DICHLOROPROPANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ETHYL ACRYLATE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| BROMODICHLOROMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TRICHLOROETHYLENE | 0.05 | U | 0.27 | 0.07 | U | 0.37 | 0.04 | U | 0.21 | 0.02 | U | 0.11 |
| METHYL METHACRYLATE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| cis -1,3 - DICHLOROPROPENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| METHYL ISOBUTYL KETONE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| trans - 1,3 - DICHLOROPROPENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1,2 - TRICHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TOLUENE | 2.07 | | 7.78 | 2.03 | | 7.63 | 1.26 | | 4.74 | 1.69 | | 6.35 |
| DIBROMOCHLOROMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2-DIBROMOETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| N-OCTANE | 0.14 | | 0.65 | 0.18 | | 0.84 | 0.13 | | 0.60 | ND | | ND |
| TETRACHLOROETHYLENE | 0.44 | | 2.98 | 0.59 | | 4.00 | 0.32 | | 2.17 | 0.19 | | 1.29 |
| CHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ETHYLBENZENE | 0.33 | | 1.43 | 0.31 | | 1.34 | 0.38 | | 1.65 | 0.38 | | 1.65 |
| m,p - XYLENE | 0.83 | | 3.59 | 0.87 | | 3.77 | 1.50 | | 6.50 | 1.04 | | 4.50 |
| BROMOFORM | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| STYRENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1,2,2 - TETRACHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| o - XYLENE | 0.38 | | 1.65 | 0.38 | | 1.65 | 0.72 | | 3.12 | 0.47 | | 2.04 |
| 1,3,5-TRIMETHYLBENZENE | 0.07 | U | 0.34 | 0.09 | U | 0.44 | 0.05 | U | 0.25 | 0.08 | U | 0.39 |
| 1,2,4-TRIMETHYLBENZENE | 0.23 | | 1.13 | 0.27 | | 1.32 | 0.15 | | 0.74 | 0.24 | | 1.18 |
| m - DICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROMETHYLBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| p - DICHLOROBENZENE | ND | | ND | 0.06 | U | 0.36 | ND | | ND | 0.04 | U | 0.24 |
| o - DICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2,4-TRICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| HEXACHLORO-1,3-BUTADIENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |

U = Under Detection Limit
ND = Not Detected

361212

# Eastern Research Group - Method TO-15 , Jackson Steel (November 20, 2002)

| FIELD ID | JS Vent | | | JS Vent | | | JS Vent 2 | | | JS Vent 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERG SAMPLE ID | 30778 D1 | | | 30778 R1 | | | 30779 D2 | | | 30779 R2 | | |
| CANISTER NUMBER | 4044 | | | 4044 | | | 1895 | | | 1895 | | |
| SAMPLE DATE | 11/20/2002 | | | 11/20/2002 | | | 11/20/2002 | | | 11/20/2002 | | |
| ANALYSIS DATE | 12/17/2002 | | | 12/17/2002 | | | 12/17/2002 | | | 12/17/2002 | | |
| FILE NAME | L2LP016 | | | L2LQ007 | | | L2LP017 | | | L2LQ008 | | |
| UNITS | ppbv | | µg/m³ | ppbv | | µg/m³ | ppbv | | µg/m³ | ppbv | | µg/m³ |
| ACETYLENE | 2.20 | | 2.35 | 1.88 | | 2.01 | 1.97 | | 2.11 | 1.87 | | 2.00 |
| PROPYLENE | 1.15 | | 1.97 | 1.09 | | 1.86 | 1.18 | | 2.02 | 1.11 | | 1.90 |
| DICHLORODIFLUOROMETHANE | 0.60 | | 2.96 | 0.60 | | 2.96 | 0.62 | | 3.06 | 0.64 | | 3.16 |
| CHLOROMETHANE | 0.49 | | 1.00 | 0.51 | | 1.04 | 0.46 | | 0.94 | 0.58 | | 1.18 |
| DICHLOROTETRAFLUOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| VINYL CHLORIDE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,3-BUTADIENE | 0.13 | | 0.29 | 0.18 | | 0.40 | 0.15 | | 0.33 | 0.12 | | 0.26 |
| BROMOMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ACETONITRILE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TRICHLOROFLUOROMETHANE | 0.28 | | 1.57 | 0.31 | | 1.73 | 0.27 | | 1.51 | 0.30 | | 1.68 |
| ACRYLONITRILE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1-DICHLOROETHENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| METHYLENE CHLORIDE | 0.77 | | 2.67 | 0.73 | | 2.53 | 0.75 | | 2.60 | 0.85 | | 2.95 |
| TRICHLOROTRIFLUOROETHANE | 0.15 | | 1.14 | 0.14 | | 1.07 | 0.16 | | 1.22 | 0.17 | | 1.30 |
| trans - 1,2 - DICHLOROETHYLENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1 - DICHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| METHYL tert-BUTYL ETHER | 1.17 | | 4.20 | 1.23 | | 4.42 | 1.23 | | 4.42 | 1.25 | | 4.49 |
| METHYL ETHYL KETONE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROPRENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| cis-1,2-DICHLOROETHYLENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| BROMOCHLOROMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROFORM | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ETHYL tert-BUTYL ETHER | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2 - DICHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1,1 - TRICHLOROETHANE | 0.07 | | 0.38 | 0.06 | | 0.33 | 0.07 | | 0.38 | 0.06 | | 0.33 |
| BENZENE | 0.59 | | 1.88 | 0.61 | | 1.94 | 0.62 | | 1.97 | 0.64 | | 2.04 |
| CARBON TETRACHLORIDE | 0.09 | | 0.57 | 0.11 | | 0.69 | 0.11 | | 0.69 | 0.12 | | 0.75 |
| tert-AMYL METHYL ETHER | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2 - DICHLOROPROPANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ETHYL ACRYLATE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| BROMODICHLOROMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TRICHLOROETHYLENE | 0.05 | U | 0.27 | 0.09 | U | 0.48 | 0.09 | U | 0.48 | 0.06 | U | 0.32 |
| METHYL METHACRYLATE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| cis -1,3 - DICHLOROPROPENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| METHYL ISOBUTYL KETONE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| trans - 1,3 - DICHLOROPROPENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,1,2 - TRICHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TOLUENE | 1.50 | | 5.64 | 1.51 | | 5.68 | 1.50 | | 5.64 | 1.58 | | 5.94 |
| DIBROMOCHLOROMETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2-DIBROMOETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| N-OCTANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| TETRACHLOROETHYLENE | 0.34 | | 2.31 | 0.29 | | 1.97 | 0.30 | | 2.03 | 0.32 | | 2.17 |
| CHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| ETHYLBENZENE | 0.40 | | 1.73 | 0.36 | | 1.56 | 0.37 | | 1.60 | 0.37 | | 1.60 |
| m,p - XYLENE | 1.05 | | 4.55 | 0.96 | | 4.16 | 0.96 | | 4.16 | 1.03 | | 4.46 |
| BROMOFORM | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| STYRENE | 0.07 | U | 0.30 | ND | | ND | 0.08 | U | 0.34 | ND | | ND |
| 1,1,2,2 - TETRACHLOROETHANE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| o - XYLENE | 0.47 | | 2.04 | 0.38 | | 1.65 | 0.41 | | 1.78 | 0.42 | | 1.82 |
| 1,3,5-TRIMETHYLBENZENE | 0.09 | U | 0.44 | 0.07 | U | 0.34 | 0.09 | U | 0.44 | 0.07 | U | 0.34 |
| 1,2,4-TRIMETHYLBENZENE | 0.21 | | 1.03 | 0.21 | | 1.03 | 0.24 | | 1.18 | 0.21 | | 1.03 |
| m - DICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| CHLOROMETHYLBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| p - DICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| o - DICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| 1,2,4-TRICHLOROBENZENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |
| HEXACHLORO-1,3-BUTADIENE | ND | | ND | ND | | ND | ND | | ND | ND | | ND |

U = Under Detection Limit
ND = Not Detected

# Eastern Research Group - Method TO-15 , Jackson Steel (November 20, 2002)

| FIELD ID | 432 First A | | 432 First A | | 432 First B | | 432 First B | |
|---|---|---|---|---|---|---|---|---|
| ERG SAMPLE ID | 30780 D1 | | 30780 R1 | | 30781 D2 | | 30781 R2 | |
| CANISTER NUMBER | 771 | | 771 | | 1918 | | 1918 | |
| SAMPLE DATE | 11/20/2002 | | 11/20/2002 | | 11/20/2002 | | 11/20/2002 | |
| ANALYSIS DATE | 12/17/2002 | | 12/17/2002 | | 12/17/2002 | | 12/17/2002 | |
| FILE NAME | L2LP018 | | L2LQ009 | | L2LP019 | | L2LQ010 | |
| UNITS | ppbv | µg/m³ | ppbv | µg/m³ | ppbv | µg/m³ | ppbv | µg/m³ |
| ACETYLENE | 5.35 | 5.72 | 2.51 | 2.69 | 5.03 | 5.38 | 2.35 | 2.51 |
| PROPYLENE | 1.34 | 2.29 | 1.21 | 2.07 | 1.42 | 2.43 | 1.15 | 1.97 |
| DICHLORODIFLUOROMETHANE | 0.70 | 3.46 | 0.67 | 3.31 | 0.69 | 3.41 | 0.65 | 3.21 |
| CHLOROMETHANE | 0.45 | 0.92 | 0.53 | 1.08 | 0.51 | 1.04 | 0.45 | 0.92 |
| DICHLOROTETRAFLUOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| VINYL CHLORIDE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,3-BUTADIENE | 0.16 | 0.35 | 0.15 | 0.33 | 0.16 | 0.35 | 0.15 | 0.33 |
| BROMOMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| ACETONITRILE | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROFLUOROMETHANE | 0.81 | 4.53 | 0.81 | 4.53 | 0.80 | 4.47 | 0.80 | 4.47 |
| ACRYLONITRILE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-DICHLOROETHENE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYLENE CHLORIDE | 0.58 | 2.01 | 0.61 | 2.12 | 0.63 | 2.19 | 0.58 | 2.01 |
| TRICHLOROTRIFLUOROETHANE | 0.15 | 1.14 | 0.17 | 1.30 | 0.15 | 1.14 | 0.17 | 1.30 |
| trans - 1,2 - DICHLOROETHYLENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1 - DICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL tert-BUTYL ETHER | 1.40 | 5.03 | 1.69 | 6.07 | 1.44 | 5.17 | 1.50 | 5.39 |
| METHYL ETHYL KETONE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROPRENE | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-DICHLOROETHYLENE | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOCHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROFORM | 0.12 | 0.58 | ND | ND | ND | ND | 0.12 | 0.58 |
| ETHYL tert-BUTYL ETHER | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 - DICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1 - TRICHLOROETHANE | 0.05 U | 0.27 | 0.08 | 0.43 | ND | ND | 0.04 U | 0.22 |
| BENZENE | 0.80 | 2.54 | 0.80 | 2.54 | 0.77 | 2.45 | 0.78 | 2.48 |
| CARBON TETRACHLORIDE | 0.10 | 0.63 | 0.13 | 0.82 | 0.13 | 0.82 | 0.12 | 0.75 |
| tert-AMYL METHYL ETHER | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 - DICHLOROPROPANE | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYL ACRYLATE | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMODICHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROETHYLENE | 0.04 U | 0.21 | 0.05 U | 0.27 | ND | ND | ND | ND |
| METHYL METHACRYLATE | ND | ND | ND | ND | ND | ND | ND | ND |
| cis -1,3 - DICHLOROPROPENE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL ISOBUTYL KETONE | ND | ND | ND | ND | ND | ND | ND | ND |
| trans - 1,3 - DICHLOROPROPENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 - TRICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| TOLUENE | 2.47 | 9.29 | 2.57 | 9.66 | 2.58 | 9.70 | 2.70 | 10.15 |
| DIBROMOCHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2-DIBROMOETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| N-OCTANE | 0.28 | 1.30 | 0.28 | 1.30 | 0.33 | 1.53 | 0.27 | 1.26 |
| TETRACHLOROETHYLENE | 0.17 | 1.15 | 0.20 | 1.36 | 0.17 | 1.15 | 0.15 | 1.02 |
| CHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYLBENZENE | 0.53 | 2.29 | 0.56 | 2.42 | 0.54 | 2.34 | 0.54 | 2.34 |
| m,p - XYLENE | 1.38 | 5.98 | 1.39 | 6.02 | 1.34 | 5.80 | 1.37 | 5.93 |
| BROMOFORM | ND | ND | ND | ND | ND | ND | ND | ND |
| STYRENE | 0.11 U | 0.47 | ND | ND | 0.11 U | 0.47 | ND | ND |
| 1,1,2,2 - TETRACHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| o - XYLENE | 0.64 | 2.77 | 0.64 | 2.77 | 0.63 | 2.73 | 0.61 | 2.64 |
| 1,3,5-TRIMETHYLBENZENE | 0.17 | 0.83 | 0.15 | 0.74 | 0.17 | 0.83 | 0.15 | 0.74 |
| 1,2,4-TRIMETHYLBENZENE | 0.48 | 2.35 | 0.44 | 2.16 | 0.45 | 2.21 | 0.40 | 1.96 |
| m - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROMETHYLBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| p - DICHLOROBENZENE | 0.28 | 1.68 | 0.26 | 1.56 | 0.29 | 1.74 | 0.29 | 1.74 |
| o - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,4-TRICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| HEXACHLORO-1,3-BUTADIENE | ND | ND | ND | ND | ND | ND | ND | ND |

U = Under Detection Limit
ND = Not Detected

# Eastern Research Group - Method TO-15 , Jackson Steel (November 20, 2002)

| FIELD ID | TTNW Learn | | TTSW Learn | | TT Village | | TT Infant | |
|---|---|---|---|---|---|---|---|---|
| ERG SAMPLE ID | 30782 | | 30783 | | 30784 | | 30785 | |
| CANISTER NUMBER | 048 | | 548 | | 828 | | 665 | |
| SAMPLE DATE | 11/20/2002 | | 11/20/2002 | | 11/20/2002 | | 11/20/2002 | |
| ANALYSIS DATE | 12/18/2002 | | 12/18/2002 | | 12/18/2002 | | 12/18/2002 | |
| FILE NAME | L2LQ015 | | L2LQ016 | | L2LQ019 | | L2LQ020 | |
| UNITS | ppbv | µg/m³ | ppbv | µg/m³ | ppbv | µg/m³ | ppbv | µg/m³ |
| ACETYLENE | 2.92 | 3.12 | 1.79 | 1.92 | 3.34 | 3.57 | 1.80 | 1.93 |
| PROPYLENE | 1.24 | 2.12 | 0.91 | 1.56 | 1.36 | 2.33 | 0.86 | 1.47 |
| DICHLORODIFLUOROMETHANE | 0.62 | 3.06 | 0.60 | 2.96 | 0.67 | 3.31 | 0.63 | 3.11 |
| CHLOROMETHANE | 0.46 | 0.94 | 0.45 | 0.92 | 0.54 | 1.10 | 0.54 | 1.10 |
| DICHLOROTETRAFLUOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| VINYL CHLORIDE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,3-BUTADIENE | 0.17 | 0.37 | 0.11 | 0.24 | 0.25 | 0.55 | 0.10 | 0.22 |
| BROMOMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| ACETONITRILE | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROFLUOROMETHANE | 0.28 | 1.57 | 0.29 | 1.62 | 0.35 | 1.96 | 0.31 | 1.73 |
| ACRYLONITRILE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-DICHLOROETHENE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYLENE CHLORIDE | 1.17 | 4.06 | 0.73 | 2.53 | 1.37 | 4.75 | 0.92 | 3.19 |
| TRICHLOROTRIFLUOROETHANE | 0.14 | 1.07 | 0.14 | 1.07 | 0.14 | 1.07 | 0.15 | 1.14 |
| trans - 1,2 - DICHLOROETHYLENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1 - DICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL tert-BUTYL ETHER | 1.68 | 6.03 | 1.34 | 4.81 | 1.90 | 6.82 | 1.21 | 4.34 |
| METHYL ETHYL KETONE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROPRENE | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-DICHLOROETHYLENE | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOCHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROFORM | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYL tert-BUTYL ETHER | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 - DICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1 - TRICHLOROETHANE | 0.06 | 0.33 | 0.05 U | 0.27 | 0.05 U | 0.27 | 0.06 | 0.33 |
| BENZENE | 0.68 | 2.16 | 0.54 | 1.72 | 0.70 | 2.23 | 0.51 | 1.62 |
| CARBON TETRACHLORIDE | 0.10 | 0.63 | 0.13 | 0.82 | 0.11 | 0.69 | 0.11 | 0.69 |
| tert-AMYL METHYL ETHER | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 - DICHLOROPROPANE | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYL ACRYLATE | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMODICHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROETHYLENE | ND | ND | 0.04 U | 0.21 | ND | ND | 0.09 U | 0.48 |
| METHYL METHACRYLATE | ND | ND | ND | ND | ND | ND | ND | ND |
| cis -1,3 - DICHLOROPROPENE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL ISOBUTYL KETONE | ND | ND | ND | ND | ND | ND | ND | ND |
| trans - 1,3 - DICHLOROPROPENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 - TRICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| TOLUENE | 1.49 | 5.60 | 1.17 | 4.40 | 1.55 | 5.83 | 1.10 | 4.14 |
| DIBROMOCHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2-DIBROMOETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| N-OCTANE | 0.10 | 0.47 | 0.10 | 0.47 | 0.10 | 0.47 | 0.09 U | 0.42 |
| TETRACHLOROETHYLENE | 0.31 | 2.10 | 0.47 | 3.19 | 0.42 | 2.85 | 0.81 | 5.49 |
| CHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYLBENZENE | 0.23 | 1.00 | 0.22 | 0.95 | 0.22 | 0.95 | 0.26 | 1.13 |
| m,p - XYLENE | 0.60 | 2.60 | 0.55 | 2.38 | 0.58 | 2.51 | 0.61 | 2.64 |
| BROMOFORM | ND | ND | ND | ND | ND | ND | ND | ND |
| STYRENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2 - TETRACHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| o - XYLENE | 0.29 | 1.28 | 0.23 | 1.00 | 0.27 | 1.17 | 0.25 | 1.08 |
| 1,3,5-TRIMETHYLBENZENE | 0.06 U | 0.29 | ND | ND | 0.06 U | 0.29 | 0.03 U | 0.15 |
| 1,2,4-TRIMETHYLBENZENE | 0.15 | 0.74 | 0.09 U | 0.44 | 0.16 | 0.78 | 0.13 | 0.64 |
| m - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROMETHYLBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| p - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| o - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,4-TRICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| HEXACHLORO-1,3-BUTADIENE | ND | ND | ND | ND | ND | ND | ND | ND |

U = Under Detection Limit
ND = Not Detected

# Eastern Research Group - Method TO-15 , Jackson Steel (November 20, 2002)

| FIELD ID | TT Twad | | | TT Inf/New | | | TT Pook | | | TT Todd | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERG SAMPLE ID | 30786 | | | 30787 | | | 30788 | | | 30789 D1 | | |
| CANISTER NUMBER | 096 | | | 9570 | | | 999 | | | 3952 | | |
| SAMPLE DATE | 11/20/2002 | | | 11/20/2002 | | | 11/20/2002 | | | 11/20/2002 | | |
| ANALYSIS DATE | 12/18/2002 | | | VOID | | | 12/18/2002 | | | 12/17/2002 | | |
| FILE NAME | L2LQ021 | | | | | | L2LQ022 | | | L2LP020 | | |
| UNITS | ppbv | | µg/m³ | ppbv | | µg/m³ | ppbv | | µg/m³ | ppbv | | µg/m³ |
| ACETYLENE | 1.97 | | 2.11 | | | | 2.20 | | 2.35 | 2.07 | | 2.21 |
| PROPYLENE | 0.98 | | 1.68 | | | | 0.96 | | 1.64 | 1.12 | | 1.92 |
| DICHLORODIFLUOROMETHANE | 0.68 | | 3.36 | | | | 0.98 | | 4.84 | 0.61 | | 3.01 |
| CHLOROMETHANE | 0.54 | | 1.10 | | | | 0.47 | | 0.96 | 0.50 | | 1.02 |
| DICHLOROTETRAFLUOROETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| VINYL CHLORIDE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,3-BUTADIENE | 0.13 | | 0.29 | | | | 0.10 | U | 0.22 | 0.18 | | 0.40 |
| BROMOMETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| CHLOROETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| ACETONITRILE | ND | | ND | | | | ND | | ND | ND | | ND |
| TRICHLOROFLUOROMETHANE | 0.34 | | 1.90 | | | | 0.60 | | 3.35 | 0.30 | | 1.68 |
| ACRYLONITRILE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,1-DICHLOROETHENE | ND | | ND | | | | ND | | ND | ND | | ND |
| METHYLENE CHLORIDE | 1.04 | | 3.61 | | | | 1.21 | | 4.20 | 1.10 | | 3.82 |
| TRICHLOROTRIFLUOROETHANE | 0.17 | | 1.30 | | | | 0.16 | | 1.22 | 0.16 | | 1.22 |
| trans - 1,2 - DICHLOROETHYLENE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,1 - DICHLOROETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| METHYL tert-BUTYL ETHER | 1.47 | | 5.28 | | | | 1.47 | | 5.28 | 1.11 | | 3.98 |
| METHYL ETHYL KETONE | ND | | ND | | | | ND | | ND | ND | | ND |
| CHLOROPRENE | ND | | ND | | | | ND | | ND | ND | | ND |
| cis-1,2-DICHLOROETHYLENE | ND | | ND | | | | ND | | ND | ND | | ND |
| BROMOCHLOROMETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| CHLOROFORM | ND | | ND | | | | ND | | ND | ND | | ND |
| ETHYL tert-BUTYL ETHER | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,2 - DICHLOROETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,1,1 - TRICHLOROETHANE | 0.06 | | 0.33 | | | | 0.03 | U | 0.16 | 0.06 | | 0.33 |
| BENZENE | 0.55 | | 1.75 | | | | 0.58 | | 1.84 | 0.60 | | 1.91 |
| CARBON TETRACHLORIDE | 0.13 | | 0.82 | | | | 0.12 | | 0.75 | 0.12 | | 0.75 |
| tert-AMYL METHYL ETHER | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,2 - DICHLOROPROPANE | ND | | ND | | | | ND | | ND | ND | | ND |
| ETHYL ACRYLATE | ND | | ND | | | | ND | | ND | ND | | ND |
| BROMODICHLOROMETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| TRICHLOROETHYLENE | 0.08 | U | 0.43 | | | | 0.05 | U | 0.27 | 0.03 | U | 0.16 |
| METHYL METHACRYLATE | ND | | ND | | | | ND | | ND | ND | | ND |
| cis -1,3 - DICHLOROPROPENE | ND | | ND | | | | ND | | ND | ND | | ND |
| METHYL ISOBUTYL KETONE | ND | | ND | | | | ND | | ND | ND | | ND |
| trans - 1,3 - DICHLOROPROPENE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,1,2 - TRICHLOROETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| TOLUENE | 1.17 | | 4.40 | | | | 2.31 | | 8.69 | 1.59 | | 5.98 |
| DIBROMOCHLOROMETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,2-DIBROMOETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| N-OCTANE | 0.10 | | 0.47 | | | | 0.12 | | 0.56 | ND | | ND |
| TETRACHLOROETHYLENE | 0.93 | | 6.31 | | | | 0.29 | | 1.97 | 0.29 | | 1.97 |
| CHLOROBENZENE | ND | | ND | | | | ND | | ND | ND | | ND |
| ETHYLBENZENE | 0.22 | | 0.95 | | | | 0.51 | | 2.21 | 0.40 | | 1.73 |
| m,p - XYLENE | 0.54 | | 2.34 | | | | 1.09 | | 4.72 | 1.21 | | 5.24 |
| BROMOFORM | ND | | ND | | | | ND | | ND | ND | | ND |
| STYRENE | ND | | ND | | | | 0.04 | U | 0.17 | 0.06 | U | 0.25 |
| 1,1,2,2 - TETRACHLOROETHANE | ND | | ND | | | | ND | | ND | ND | | ND |
| o - XYLENE | 0.23 | | 1.00 | | | | 0.46 | | 1.99 | 0.59 | | 2.55 |
| 1,3,5-TRIMETHYLBENZENE | 0.04 | U | 0.20 | | | | 0.07 | U | 0.34 | 0.08 | U | 0.39 |
| 1,2,4-TRIMETHYLBENZENE | 0.11 | U | 0.54 | | | | 0.20 | | 0.98 | 0.18 | | 0.88 |
| m - DICHLOROBENZENE | ND | | ND | | | | ND | | ND | ND | | ND |
| CHLOROMETHYLBENZENE | ND | | ND | | | | ND | | ND | ND | | ND |
| p - DICHLOROBENZENE | ND | | ND | | | | 0.04 | U | 0.24 | ND | | ND |
| o - DICHLOROBENZENE | ND | | ND | | | | ND | | ND | ND | | ND |
| 1,2,4-TRICHLOROBENZENE | ND | | ND | | | | ND | | ND | ND | | ND |
| HEXACHLORO-1,3-BUTADIENE | ND | | ND | | | | ND | | ND | ND | | ND |

Max

U = Under Detection Limit
ND = Not Detected

# Eastern Research Group - Method TO-15 , Jackson Steel (November 20, 2002)

| FIELD ID | TT Todd | | TT Todd 2 | | TT Todd 2 | | TT NE Learn | |
|---|---|---|---|---|---|---|---|---|
| ERG SAMPLE ID | 30789 R1 | | 30790 D2 | | 30790 R2 | | 30791 | |
| CANISTER NUMBER | 3952 | | ER004 | | ER004 | | 1442 | |
| SAMPLE DATE | 11/20/2002 | | 11/20/2002 | | 11/20/2002 | | 11/20/2002 | |
| ANALYSIS DATE | 12/17/2002 | | 12/17/2002 | | 12/17/2002 | | 12/19/2002 | |
| FILE NAME | L2LQ011 | | L2LP021 | | L2LQ012 | | L2LR015 | |
| UNITS | ppbv | µg/m³ | ppbv | µg/m³ | ppbv | µg/m³ | ppbv | µg/m³ |
| ACETYLENE | 1.87 | 2.00 | 1.96 | 2.10 | 1.54 | 1.65 | 12.12 | 12.97 |
| PROPYLENE | 1.00 | 1.71 | 0.87 | 1.49 | 0.79 | 1.35 | 3.49 | 5.97 |
| DICHLORODIFLUOROMETHANE | 0.62 | 3.06 | 0.62 | 3.06 | 0.59 | 2.91 | 1.20 | 5.93 |
| CHLOROMETHANE | 0.52 | 1.06 | 0.52 | 1.06 | 0.44 | 0.90 | 0.82 | 1.67 |
| DICHLOROTETRAFLUOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| VINYL CHLORIDE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,3-BUTADIENE | 0.18 | 0.40 | 0.12 | 0.26 | 0.08 U | 0.18 | 0.42 | 0.92 |
| BROMOMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| ACETONITRILE | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROFLUOROMETHANE | 0.30 | 1.68 | 0.33 | 1.84 | 0.27 | 1.51 | 0.54 | 3.02 |
| ACRYLONITRILE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-DICHLOROETHENE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYLENE CHLORIDE | 1.17 | 4.09 | 0.98 | 3.40 | 0.92 | 3.19 | 4.27 | 14.82 |
| TRICHLOROTRIFLUOROETHANE | 0.15 | 1.14 | 0.15 | 1.14 | 0.16 | 1.22 | 0.22 | 1.68 |
| trans - 1,2 - DICHLOROETHYLENE | ND | ND | ND | ND | ND | ND | 0.03 U | 0.12 |
| 1,1 - DICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL tert-BUTYL ETHER | 1.17 | 4.20 | 1.08 | 3.88 | 1.10 | 3.95 | 3.73 | 13.39 |
| METHYL ETHYL KETONE | ND | ND | ND | ND | ND | ND | 23.70 | 69.68 |
| CHLOROPRENE | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-DICHLOROETHYLENE | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOCHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROFORM | ND | ND | ND | ND | ND | ND | 1.23 | 5.98 |
| ETHYL tert-BUTYL ETHER | ND | ND | ND | ND | ND | ND | 0.02 U | 0.08 |
| 1,2 - DICHLOROETHANE | ND | ND | ND | ND | ND | ND | 0.08 U | 0.32 |
| 1,1,1 - TRICHLOROETHANE | 0.05 | 0.27 | 0.05 | 0.27 | 0.05 | 0.27 | 0.09 | 0.49 |
| BENZENE | 0.57 | 1.81 | 0.50 | 1.59 | 0.49 | 1.56 | 1.35 | 4.29 |
| CARBON TETRACHLORIDE | 0.12 | 0.75 | 0.12 | 0.75 | 0.12 | 0.75 | 0.19 | 1.20 |
| tert-AMYL METHYL ETHER | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2 - DICHLOROPROPANE | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYL ACRYLATE | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMODICHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROETHYLENE | 0.05 U | 0.27 | ND | ND | ND | ND | 0.16 | 0.86 |
| METHYL METHACRYLATE | ND | ND | ND | ND | ND | ND | ND | ND |
| cis -1,3 - DICHLOROPROPENE | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL ISOBUTYL KETONE | ND | ND | ND | ND | ND | ND | ND | ND |
| trans - 1,3 - DICHLOROPROPENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2 - TRICHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| TOLUENE | 1.57 | 5.90 | 1.16 | 4.36 | 1.22 | 4.59 | 29.88 | 111.60 |
| DIBROMOCHLOROMETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2-DIBROMOETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| N-OCTANE | ND | ND | ND | ND | ND | ND | 0.47 | 2.19 |
| TETRACHLOROETHYLENE | 0.34 | 2.31 | 0.29 | 1.97 | 0.32 | 2.17 | 0.47 | 3.19 |
| CHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYLBENZENE | 0.39 | 1.69 | 0.32 | 1.39 | 0.34 | 1.47 | 1.27 | 5.50 |
| m,p - XYLENE | 1.23 | 5.33 | 1.02 | 4.42 | 1.02 | 4.42 | 2.22 | 9.61 |
| BROMOFORM | ND | ND | ND | ND | ND | ND | ND | ND |
| STYRENE | ND | ND | ND | ND | ND | ND | 0.68 | 2.88 |
| 1,1,2,2 - TETRACHLOROETHANE | ND | ND | ND | ND | ND | ND | ND | ND |
| o - XYLENE | 0.58 | 2.51 | 0.51 | 2.21 | 0.52 | 2.25 | 1.04 | 4.50 |
| 1,3,5-TRIMETHYLBENZENE | 0.04 U | 0.20 | 0.06 U | 0.29 | ND | ND | 0.23 | 1.13 |
| 1,2,4-TRIMETHYLBENZENE | 0.16 | 0.78 | 0.16 | 0.78 | 0.11 U | 0.54 | 0.56 | 2.74 |
| m - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROMETHYLBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| p - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | 0.05 U | 0.30 |
| o - DICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,4-TRICHLOROBENZENE | ND | ND | ND | ND | ND | ND | ND | ND |
| HEXACHLORO-1,3-BUTADIENE | ND | ND | ND | ND | ND | ND | ND | ND |

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