CI-0044

# REPORT

SDMS 41668

# *Pre-Design Investigation Report for the East Street Area 2-South Removal Action*

## *Volume III of III*

**General Electric Company**
**Pittsfield, Massachusetts**

**January 2003**

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BLASLAND, BOUCK & LEE, INC.
engineers & scientists

TECHNICAL REPORT

# *Pre-Design Investigation Report for the East Street Area 2-South Removal Action*

## *Volume III of III*

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## Soil Analytical Results

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PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-19 | 95-25 | Y-11 | Y-12 | Y-16 | Y-17 | Y-21 | Y-22 | 206S |
| Sample ID: | 219B1416 | 225B0810 | P2Y110204 | P2Y120204 | P2Y160810 | P2Y170204 | P2Y211214 | P2Y220002 | 206S0-6 |
| Sample Depth(Feet): | 14-16 | 8-10 | 2-4 | 2-4 | 8-10 | 2-4 | 12-14 | 0-2 | 0-0.5 |
| Parameter / Date Collected: | 02/13/96 | 02/27/96 | 06/12/91 | 06/12/91 | 06/14/91 | 06/18/91 | 06/24/91 | 06/24/91 | 09/17/97 |
| **Volatile Organics** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | NA |
| 1,1,1-Trichloroethane | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| 1,1,2,2-Tetrachloroethane | ND(0.014) | ND(0.013) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.011) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | ND(0.013) | ND(0.011) | 0.0040 JB | 0.0030 JB | ND(0.011) | ND(0.012) | NA |
| 1,1,2-Trichloroethane | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| 1,1-Dichloroethane | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| 1,1-Dichloroethene | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| 1,2,3-Trichloropropane | ND(0.027) | ND(0.026) | ND(0.019) | ND(0.016) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.017) | ND(0.022) |
| 1,2-Dibromo-3-chloropropane | ND(0.068) | ND(0.064) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.055) |
| 1,2-Dibromoethane | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| 1,2-Dichlorobenzene | ND(0.79) | ND(0.75) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,2-Dichloroethane | ND(0.014) | ND(0.013) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.011) |
| 1,2-Dichloroethene (total) | NA | NA | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | NA |
| 1,2-Dichloropropane | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| 1,3-Dichlorobenzene | ND(0.69) | ND(0.65) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,4-Dichlorobenzene | ND(0.70) | ND(0.66) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,4-Dioxane | ND(69) | ND(65) | NA | NA | NA | NA | NA | NA | ND(57) |
| 2-Butanone | ND(0.047) | ND(0.045) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | 0.0030 JB |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.020) | ND(0.019) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.017) |
| 2-Hexanone | ND(0.047) | ND(0.045) | ND(0.019) | ND(0.016) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.017) | ND(0.039) |
| 3-Chloropropene | ND(0.020) | ND(0.019) | ND(0.019) | ND(0.016) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.017) | ND(0.017) |
| 4-Methyl-2-pentanone | ND(0.034) | ND(0.032) | ND(0.019) | ND(0.016) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.017) | ND(0.028) |
| Acetone | ND(0.12) | ND(0.12) | 0.011 JB | 0.039 B | 0.025 B | ND(0.012) | 0.013 B | 0.024 B | 0.031 JB |
| Acetonitrile | 0.0030 J | ND(0.26) | NA | NA | NA | NA | NA | NA | ND(0.22) |
| Acrolein | ND(0.31) | ND(0.29) | ND(0.11) | ND(0.099) | ND(0.11) | ND(0.10) | ND(0.10) | ND(0.10) | ND(0.26) |
| Acrylonitrile | ND(0.28) | ND(0.27) | ND(0.15) | ND(0.13) | ND(0.15) | ND(0.14) | ND(0.14) | ND(0.14) | ND(0.23) |
| Benzene | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| Bromodichloromethane | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| Bromoform | ND(0.020) | ND(0.019) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.017) |
| Bromomethane | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| Carbon Disulfide | ND(0.014) | ND(0.013) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.011) |
| Carbon Tetrachloride | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| Chlorobenzene | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| Chloroethane | ND(0.027) | ND(0.026) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.022) |
| Chloroform | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| Chloromethane | ND(0.047) | ND(0.045) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.039) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.014) | ND(0.013) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.011) |
| cis-1,4-Dichloro-2-butene | NA | NA | ND(0.019) | ND(0.016) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.017) | NA |
| Crotonaldehyde | NA | NA | ND(0.13) | ND(0.11) | ND(0.13) | ND(0.12) | ND(0.11) | ND(0.12) | NA |
| Dibromochloromethane | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| Dibromomethane | ND(0.027) | ND(0.026) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.022) |
| Dichlorodifluoromethane | ND(0.014) | ND(0.013) | NA | NA | NA | NA | NA | NA | ND(0.011) |
| Ethyl Methacrylate | ND(0.034) | ND(0.032) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.028) |
| Ethylbenzene | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.0020 J |
| Iodomethane | ND(0.014) | ND(0.013) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.011) |
| Isobutanol | ND(18) | ND(17) | NA | NA | NA | NA | NA | NA | ND(14) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.027) | ND(0.026) | NA | NA | NA | NA | NA | NA | ND(0.022) |
| Methyl Methacrylate | ND(0.068) | ND(0.064) | NA | NA | NA | NA | NA | NA | ND(0.056) |
| Methylene Chloride | 0.030 B | 0.0090 JB | 0.032 B | 0.055 B | 0.029 B | 0.029 B | 0.029 B | 0.064 B | 0.072 B |
| Propionitrile | ND(0.80) | ND(0.76) | NA | NA | NA | NA | NA | NA | ND(0.66) |
| Styrene | ND(0.014) | ND(0.013) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.011) |
| Tetrachloroethene | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| Toluene | ND(0.020) | ND(0.019) | ND(0.0060) | 0.015 | 0.0010 J | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| trans-1,2-Dichloroethene | ND(0.020) | ND(0.019) | NA | NA | NA | NA | NA | NA | ND(0.017) |
| trans-1,3-Dichloropropene | ND(0.020) | ND(0.019) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.017) |
| trans-1,4-Dichloro-2-butene | ND(0.027) | ND(0.026) | ND(0.019) | ND(0.016) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.017) | ND(0.022) |
| Trichloroethene | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| Trichlorofluoromethane | ND(0.027) | ND(0.026) | ND(0.0060) | 0.0040 J | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.022) |
| Vinyl Acetate | ND(0.027) | ND(0.026) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.022) |
| Vinyl Chloride | ND(0.027) | ND(0.026) | ND(0.013) | ND(0.011) | ND(0.013) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.022) |
| Xylenes (total) | ND(0.027) | ND(0.026) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.0050 J |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-19 | 95-25 | Y-11 | Y-12 | Y-16 | Y-17 | Y-21 | Y-22 | 206S |
| Sample ID: | 219B1416 | 225B0810 | P2Y110204 | P2Y120204 | P2Y160810 | P2Y170204 | P2Y211214 | P2Y220002 | 206S0-6 |
| Sample Depth(Feet): | 14-16 | 8-10 | 2-4 | 2-4 | 8-10 | 2-4 | 12-14 | 0-2 | 0-0.5 |
| Parameter / Date Collected: | 02/13/96 | 02/27/96 | 06/12/91 | 06/12/91 | 06/14/91 | 06/18/91 | 06/24/91 | 06/24/91 | 09/17/97 |
| **Semivolatile Organics** | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,2,3-Trichlorobenzene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,2,4,5-Tetrachlorobenzene | ND(1.8) | ND(1.6) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 110 J |
| 1,2,4-Trichlorobenzene | ND(0.74) | ND(0.70) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 600 |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(0.93) | ND(0.88) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(720) |
| 1,3,5-Trichlorobenzene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1,3,5-Trinitrobenzene | ND(1.2) | ND(1.2) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(950) |
| 1,3-Dinitrobenzene | ND(0.75) | ND(0.71) | NA | NA | NA | NA | NA | NA | ND(580) |
| 1,4-Dinitrobenzene | NA | NA | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | NA |
| 1,4-Naphthoquinone | ND(2.2) | ND(2.0) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1700) |
| 1-Chloronaphthalene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 1-Methylnaphthalene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | 0.080 J | NA |
| 1-Naphthylamine | ND(1.9) | ND(1.8) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1500) |
| 2,3,4,6-Tetrachlorophenol | ND(1.9) | ND(1.8) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1500) |
| 2,4,5-Trichlorophenol | ND(1.8) | ND(1.6) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1400) |
| 2,4,6-Trichlorophenol | ND(1.8) | ND(1.6) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1400) |
| 2,4-Dichlorophenol | ND(0.74) | ND(0.70) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(570) |
| 2,4-Dimethylphenol | ND(0.82) | ND(0.77) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(630) |
| 2,4-Dinitrophenol | ND(2.3) | ND(2.2) | ND(1.6) | ND(1.4) | ND(1.6) | ND(1.5) | ND(1.5) | ND(1.5) | ND(1800) |
| 2,4-Dinitrotoluene | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(690) |
| 2,6-Dichlorophenol | ND(1.6) | ND(1.5) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1200) |
| 2,6-Dinitrotoluene | ND(1.0) | ND(0.95) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(780) |
| 2-Acetylaminofluorene | ND(0.96) | ND(0.90) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(740) |
| 2-Chloronaphthalene | ND(1.3) | ND(1.2) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 60 J |
| 2-Chlorophenol | ND(0.85) | ND(0.80) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(650) |
| 2-Methylnaphthalene | ND(1.1) | ND(1.1) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | 0.048 J | 48 J |
| 2-Methylphenol | ND(0.88) | ND(0.83) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 95 J |
| 2-Naphthylamine | ND(1.2) | ND(1.1) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(890) |
| 2-Nitroaniline | ND(1.5) | ND(1.4) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(1100) |
| 2-Nitrophenol | ND(0.84) | ND(0.79) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(640) |
| 2-Phenylenediamine | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 2-Picoline | ND(1.6) | ND(1.5) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1200) |
| 3&4-Methylphenol | ND(1.8) | ND(1.6) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 110 J |
| 3,3'-Dichlorobenzidine | ND(0.67) | ND(0.63) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(520) |
| 3,3'-Dimethoxybenzidine | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 3,3'-Dimethylbenzidine | ND(1.3) | ND(1.2) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1000) |
| 3-Methylcholanthrene | ND(0.82) | ND(0.77) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(630) B |
| 3-Nitroaniline | ND(0.93) | ND(0.88) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(720) |
| 3-Phenylenediamine | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(690) |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 4,6-Dinitro-2-methylphenol | ND(2.4) | ND(2.3) | ND(1.3) | ND(1.1) | ND(1.3) | ND(1.2) | ND(1.1) | ND(1.1) | ND(1900) |
| 4-Aminobiphenyl | ND(0.55) | ND(0.52) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(430) |
| 4-Bromophenyl-phenylether | ND(1.0) | ND(0.95) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(780) |
| 4-Chloro-3-Methylphenol | ND(1.0) | ND(0.95) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(780) |
| 4-Chloroaniline | ND(0.93) | ND(0.88) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(720) B |
| 4-Chlorobenzilate | ND(0.96) | ND(0.90) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(740) |
| 4-Chlorophenyl-phenylether | ND(0.81) | ND(0.76) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(620) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(1.5) | ND(1.4) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1100) |
| 4-Nitrophenol | ND(6.1) | ND(5.7) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(4700) |
| 4-Nitroquinoline-1-oxide | ND(6.5) | ND(6.1) | NA | NA | NA | NA | NA | NA | ND(5000) |
| 4-Phenylenediamine | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| 5-Nitro-o-toluidine | ND(1.3) | ND(1.3) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1000) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.55) | ND(0.52) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(430) |
| a,a'-Dimethylphenethylamine | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(690) |
| Acenaphthene | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | 0.12 J | ND(690) |
| Acenaphthylene | ND(0.90) | ND(0.85) | ND(0.42) | ND(0.36) | ND(0.42) | 0.045 J | ND(0.37) | ND(0.37) | 37 J |
| Acetophenone | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 200 J |
| Aniline | ND(0.75) | ND(0.71) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 980 |
| Anthracene | ND(1.0) | ND(0.94) | 0.11 J | ND(0.36) | ND(0.42) | 0.18 J | ND(0.37) | 0.50 | 65 J |
| Aramite | ND(0.89) | ND(0.84) | NA | NA | NA | NA | NA | NA | ND(690) B |
| Benzal chloride | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| Benzidine | ND(2.2) | ND(2.0) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(1700) B |
| Benzo(a)anthracene | ND(0.89) | ND(0.84) | 0.60 | ND(0.36) | ND(0.42) | 1.9 | 0.11 J | 5.2 D | 350 J |
| Benzo(a)pyrene | ND(0.89) | ND(0.84) | 0.59 | ND(0.36) | ND(0.42) | 2.2 | 0.12 J | 5.9 D | 440 JB |
| Benzo(b)fluoranthene | ND(1.0) | ND(0.98) | 1.0 Z | ND(0.39) | ND(0.42) | 3.6 | 0.42 Z | 5.2 D | 740 J |
| Benzo(g,h,i)perylene | ND(0.84) | ND(0.79) | 0.33 J | ND(0.36) | ND(0.42) | 1.5 | 0.13 J | 4.3 | 420 J |
| Benzo(k)fluoranthene | ND(0.84) | ND(0.79) | 1.0 Z | ND(0.36) | ND(0.42) | 3.5 | 0.42 Z | 10 D | 250 JB |
| Benzoic Acid | NA | NA | 0.066 J | ND(3.6) | ND(4.2) | ND(3.8) | ND(3.7) | ND(3.7) | NA |
| Benzotrichloride | NA | NA | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | NA |
| Benzyl Alcohol | ND(0.74) | ND(0.70) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(570) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-19 | 95-25 | Y-11 | Y-12 | Y-16 | Y-17 | Y-21 | Y-22 | 206S |
| Sample ID: | 219B1416 | 225B0810 | P2Y110204 | P2Y120204 | P2Y160810 | P2Y170204 | P2Y211214 | P2Y220002 | 206S0-6 |
| Sample Depth(Feet): | 14-16 | 8-10 | 2-4 | 2-4 | 8-10 | 2-4 | 12-14 | 0-2 | 0-0.5 |
| Parameter / Date Collected: | 02/13/96 | 02/27/96 | 06/12/91 | 06/12/91 | 06/14/91 | 06/18/91 | 06/24/91 | 06/24/91 | 09/17/97 |
| **Semivolatile Organics (continued)** | | | | | | | | | |
| Benzyl Chloride | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| bis(2-Chloroethoxy)methane | ND(0.90) | ND(0.85) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(700) |
| bis(2-Chloroethyl)ether | ND(0.79) | ND(0.75) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | 810 |
| bis(2-Chloroisopropyl)ether | ND(0.88) | ND(0.83) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(680) |
| bis(2-Ethylhexyl)phthalate | ND(1.0) | 0.16 J | 0.41 JB | 0.11 JB | 0.42 | ND(0.38) | 0.13 JB | 0.23 JB | 250 J |
| Butylbenzylphthalate | ND(0.92) | ND(0.86) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(710) |
| Chrysene | ND(0.73) | ND(0.69) | 0.63 | ND(0.36) | ND(0.42) | 2.7 | 0.22 J | 7.5 D | 340 JB |
| Cyclophosphamide | NA | NA | ND(2.0) | ND(1.7) | ND(2.0) | ND(1.9) | ND(1.8) | ND(1.8) | NA |
| Diallate | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| Diallate (cis isomer) | ND(0.89) | ND(0.84) | NA | NA | NA | NA | NA | NA | ND(690) |
| Diallate (trans isomer) | ND(0.89) | ND(0.84) | NA | NA | NA | NA | NA | NA | ND(690) |
| Dibenz(a,j)acridine | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| Dibenzo(a,h)anthracene | ND(0.58) | ND(0.55) | 0.16 J | ND(0.36) | ND(0.42) | 0.68 | 0.053 J | 1.7 | 71 J |
| Dibenzofuran | ND(0.93) | ND(0.88) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | 0.085 J | ND(720) |
| Diethylphthalate | ND(0.97) | ND(0.91) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(750) |
| Dimethylphthalate | ND(1.3) | ND(1.2) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(1000) |
| Di-n-Butylphthalate | ND(1.0) | 1.4 | 0.043 J | ND(0.36) | ND(0.42) | ND(0.38) | 0.041 J | ND(0.37) | 1100 |
| Di-n-Octylphthalate | ND(0.65) | ND(0.61) | 0.12 J | ND(0.36) | 0.084 J | ND(0.38) | ND(0.37) | ND(0.37) | ND(500) B |
| Diphenylamine | ND(1.9) | ND(1.8) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 60 J |
| Ethyl Methanesulfonate | ND(0.81) | ND(0.76) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(620) |
| Fluoranthene | ND(1.2) | ND(1.2) | 0.88 | ND(0.36) | ND(0.42) | 3.2 | 0.24 J | 6.9 D | 780 J |
| Fluorene | ND(0.93) | ND(0.88) | 0.049 J | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | 0.11 J | ND(720) |
| Hexachlorobenzene | ND(1.0) | ND(0.98) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 72 J |
| Hexachlorobutadiene | ND(0.75) | ND(0.71) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(580) |
| Hexachlorocyclopentadiene | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(690) |
| Hexachloroethane | ND(0.81) | ND(0.76) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(620) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.77) | ND(0.72) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(590) |
| Indeno(1,2,3-cd)pyrene | ND(0.62) | ND(0.58) | 0.30 J | ND(0.36) | ND(0.42) | 1.3 | 0.11 J | 3.3 | 310 J |
| Isodrin | ND(1.2) | ND(1.2) | NA | NA | NA | NA | NA | NA | ND(960) |
| Isophorone | ND(0.92) | ND(0.86) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(710) |
| Isosafrole | ND(1.8) | ND(1.6) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1400) |
| Methapyrilene | ND(1.8) | ND(1.6) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1400) |
| Methyl Methanesulfonate | ND(0.94) | ND(0.89) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(730) |
| Naphthalene | ND(0.89) | ND(0.84) | 0.093 J | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | 0.051 J | 78 J |
| Nitrobenzene | ND(0.92) | ND(0.86) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(710) |
| N-Nitrosodiethylamine | ND(0.81) | ND(0.76) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(620) |
| N-Nitrosodimethylamine | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(690) |
| N-Nitroso-di-n-butylamine | ND(1.9) | ND(1.8) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(1500) |
| N-Nitroso-di-n-propylamine | ND(0.82) | ND(0.77) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(630) |
| N-Nitrosodiphenylamine | ND(1.9) | ND(1.8) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 60 J |
| N-Nitrosomethylethylamine | ND(0.73) | ND(0.69) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(560) |
| N-Nitrosomorpholine | ND(1.0) | ND(0.95) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(780) |
| N-Nitrosopiperidine | ND(1.0) | ND(0.94) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(770) |
| N-Nitrosopyrrolidine | ND(0.71) | ND(0.67) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(550) |
| o,o,o-Triethylphosphorothioate | ND(7.1) | ND(6.7) | NA | NA | NA | NA | NA | NA | ND(5500) |
| o-Toluidine | ND(2.7) | ND(2.5) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(2100) |
| Paraldehyde | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| p-Dimethylaminoazobenzene | ND(0.90) | ND(0.85) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(700) |
| Pentachlorobenzene | ND(0.89) | ND(0.84) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 270 J |
| Pentachloroethane | ND(1.1) | ND(1.1) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(860) |
| Pentachloronitrobenzene | NA | NA | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | NA |
| Pentachlorophenol | ND(1.9) | ND(1.8) | ND(0.84) | ND(0.72) | ND(0.84) | ND(0.77) | ND(0.75) | ND(0.75) | ND(1500) |
| Phenacetin | ND(0.82) | ND(0.77) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(630) |
| Phenanthrene | ND(0.84) | ND(0.79) | 0.53 | ND(0.36) | ND(0.42) | 0.86 | 0.087 J | 4.6 | 360 J |
| Phenol | ND(0.77) | ND(0.72) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | 730 |
| Pronamide | ND(0.88) | ND(0.83) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(680) |
| Pyrene | ND(0.98) | ND(0.93) | 1.1 | ND(0.36) | ND(0.42) | 2.1 | 0.17 J | 7.3 D | 810 |
| Pyridine | ND(0.74) | ND(0.70) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(570) |
| Safrole | ND(0.78) | ND(0.74) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(600) |
| Thionazin | ND(0.90) | ND(0.85) | ND(0.42) | ND(0.36) | ND(0.42) | ND(0.38) | ND(0.37) | ND(0.37) | ND(700) |
| Total Phenols | NA | NA | ND(0.13) | ND(0.13) | ND(0.13) | ND(0.12) | 0.19 | ND(0.12) | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-19 | 95-25 | Y-11 | Y-12 | Y-16 | Y-17 | Y-21 | Y-22 | 208S |
| Sample ID: | 219B1416 | 225B0810 | P2Y110204 | P2Y120204 | P2Y160810 | P2Y170204 | P2Y211214 | P2Y220002 | 206S0-6 |
| Sample Depth(Feet): | 14-16 | 8-10 | 2-4 | 2-4 | 8-10 | 2-4 | 12-14 | 0-2 | 0-0.5 |
| Parameter / Date Collected: | 02/13/96 | 02/27/96 | 06/12/91 | 06/12/91 | 06/14/91 | 06/18/91 | 06/24/91 | 06/24/91 | 09/17/97 |
| **Organochlorine Pesticides** | | | | | | | | | |
| 4,4'-DDD | NA | NA | ND(0.070) | ND(0.070) | ND(0.0034) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA |
| 4,4'-DDE | NA | NA | ND(0.070) | ND(0.070) | ND(0.0034) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA |
| 4,4'-DDT | NA | NA | ND(0.070) | ND(0.070) | ND(0.0034) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA |
| Aldrin | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Alpha-BHC | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Beta-BHC | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Delta-BHC | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Dieldrin | NA | NA | ND(0.030) | ND(0.030) | ND(0.0015) | ND(0.0015) | ND(0.0015) | 0.0045 | NA |
| Endosulfan I | NA | NA | ND(0.030) | ND(0.030) | ND(0.0015) | ND(0.0015) | ND(0.0015) | ND(0.0015) | NA |
| Endosulfan II | NA | NA | ND(0.070) | ND(0.070) | ND(0.0034) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA |
| Endosulfan Sulfate | NA | NA | ND(0.040) | ND(0.040) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA |
| Endrin | NA | NA | ND(0.050) | ND(0.050) | ND(0.0024) | ND(0.0025) | ND(0.0025) | ND(0.0025) | NA |
| Endrin Aldehyde | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Heptachlor | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Heptachlor Epoxide | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Kepone | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Methoxychlor | NA | NA | ND(0.070) | ND(0.070) | ND(0.0034) | ND(0.0035) | ND(0.0035) | 0.021 | NA |
| Technical Chlordane | NA | NA | ND(0.080) | ND(0.080) | ND(0.0039) | ND(0.0040) | ND(0.0040) | ND(0.0040) | NA |
| Toxaphene | NA | NA | ND(0.40) | ND(0.40) | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.020) | NA |
| **Organophosphate Pesticides** | | | | | | | | | |
| Dimethoate | NA | NA | ND(0.010) | ND(0.010) | ND(0.013) | ND(0.010) | ND(0.011) | ND(0.012) | NA |
| Disulfoton | NA | NA | ND(0.010) | ND(0.010) | ND(0.013) | ND(0.010) | ND(0.011) | ND(0.012) | NA |
| Ethyl Parathion | NA | NA | ND(0.010) | ND(0.010) | ND(0.013) | ND(0.010) | ND(0.011) | ND(0.012) | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | ND(0.010) | ND(0.010) | ND(0.013) | ND(0.010) | ND(0.011) | ND(0.012) | NA |
| Phorate | NA | NA | ND(0.010) | ND(0.010) | ND(0.013) | ND(0.010) | ND(0.011) | ND(0.012) | NA |
| Sulfotep | NA | NA | ND(0.010) | ND(0.010) | ND(0.013) | ND(0.010) | ND(0.011) | ND(0.012) | NA |
| **Herbicides** | | | | | | | | | |
| 2,4,5-T | NA | NA | ND(0.032) | ND(0.27) | ND(0.032) | ND(0.029) | ND(0.028) | ND(0.029) | NA |
| 2,4,5-TP | NA | NA | ND(0.032) | ND(0.27) | ND(0.032) | ND(0.029) | ND(0.028) | ND(0.029) | NA |
| 2,4-D | NA | NA | ND(0.13) | ND(1.1) | ND(0.13) | ND(0.12) | ND(0.11) | ND(0.12) | NA |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | | | |
| 2,3,7,8-TCDF | ND(0.00013) | NA | NA | NA | NA | NA | NA | NA | 0.0013 g |
| 1,2,3,7,8-PeCDF | ND(0.000089) | NA | NA | NA | NA | NA | NA | NA | 0.00062 |
| 2,3,4,7,8-PeCDF | ND(0.000089) | NA | NA | NA | NA | NA | NA | NA | 0.00097 |
| PeCDFs (total) | ND(0.000089) | NA | NA | NA | NA | NA | NA | NA | 0.023 |
| 1,2,3,4,7,8-HxCDF | ND(0.000077) | NA | NA | NA | NA | NA | NA | NA | 0.0013 |
| 1,2,3,6,7,8-HxCDF | ND(0.000077) | NA | NA | NA | NA | NA | NA | NA | 0.0011 |
| 1,2,3,7,8,9-HxCDF | ND(0.000077) | NA | NA | NA | NA | NA | NA | NA | 0.000017 |
| 2,3,4,6,7,8-HxCDF | ND(0.000077) | NA | NA | NA | NA | NA | NA | NA | 0.00098 |
| HxCDFs (total) | ND(0.000077) | NA | NA | NA | NA | NA | NA | NA | 0.030 |
| 1,2,3,4,6,7,8-HpCDF | ND(0.000048) | NA | NA | NA | NA | NA | NA | NA | 0.0027 |
| 1,2,3,4,7,8,9-HpCDF | ND(0.000048) | NA | NA | NA | NA | NA | NA | NA | 0.00058 |
| HpCDFs (total) | ND(0.000048) | NA | NA | NA | NA | NA | NA | NA | 0.0074 |
| OCDF | ND(0.00013) | NA | NA | NA | NA | NA | NA | NA | 0.0027 |
| **Dioxins** | | | | | | | | | |
| 2,3,7,8-TCDD | ND(0.000039) | NA | NA | NA | NA | NA | NA | NA | 0.000011 |
| 1,2,3,7,8-PeCDD | ND(0.00021) | NA | NA | NA | NA | NA | NA | NA | ND(0.000062) v |
| PeCDDs (total) | ND(0.00027) | NA | NA | NA | NA | NA | NA | NA | ND(0.00016) |
| 1,2,3,4,7,8-HxCDD | ND(0.00017) | NA | NA | NA | NA | NA | NA | NA | 0.000097 |
| 1,2,3,6,7,8-HxCDD | ND(0.00017) | NA | NA | NA | NA | NA | NA | NA | 0.00012 |
| 1,2,3,7,8,9-HxCDD | ND(0.00017) | NA | NA | NA | NA | NA | NA | NA | 0.00010 |
| HxCDDs (total) | ND(0.00017) | NA | NA | NA | NA | NA | NA | NA | 0.0011 |
| 1,2,3,4,6,7,8-HpCDD | ND(0.000047) | NA | NA | NA | NA | NA | NA | NA | 0.00093 |
| HpCDDs (total) | ND(0.000047) | NA | NA | NA | NA | NA | NA | NA | 0.0019 |
| OCDD | ND(0.00019) | NA | NA | NA | NA | NA | NA | NA | 0.0037 |
| Total TEQs (WHO TEFs) | 0.00020 | NA | NA | NA | NA | NA | NA | NA | 0.0011 |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4A | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-19 | 95-25 | Y-11 | Y-12 | Y-16 | Y-17 | Y-21 | Y-22 | 206S |
| Sample ID: | 219B1416 | 225B0810 | P2Y110204 | P2Y120204 | P2Y160810 | P2Y170204 | P2Y211214 | P2Y220002 | 206S0-6 |
| Sample Depth(Feet): | 14-16 | 8-10 | 2-4 | 2-4 | 8-10 | 2-4 | 12-14 | 0-2 | 0-0.5 |
| Parameter / Date Collected: | 02/13/96 | 02/27/96 | 06/12/91 | 06/12/91 | 06/14/91 | 06/18/91 | 06/24/91 | 06/24/91 | 09/17/97 |
| Inorganics | | | | | | | | | |
| Aluminum | NA | NA | 9760 | 8260 | 1670 | 8630 | 16100 | 7760 | NA |
| Antimony | ND(0.240) N | 0.260 BN | ND(2.80) * | ND(2.40) * | ND(2.80) * | ND(7.50) N | ND(7.40) | ND(7.50) | 4.40 BN |
| Arsenic | 5.40 N* | 1.60 | 5.60 N | 10.5 AN | 7.60 AN | 5.90 A | 11.9 | 13.3 | 23.9 |
| Barium | 55.6 E | 23.4 B | 38.2 N* | 58.4 N* | 10.0 BN* | 32.4 B | 27.5 B | 36.2 B | 82.8 |
| Beryllium | 0.560 BN | 0.420 B | 0.310 B | 0.230 B | ND(0.130) | 0.320 B | ND(0.230) | 0.310 B | 0.290 B |
| Cadmium | ND(0.0300) N | ND(0.0200) | ND(0.510) | 0.560 | ND(0.510) | 1.50 | ND(0.900) | ND(0.910) | 1.00 |
| Calcium | NA | NA | 3890 | 11400 | 14900 | 11100 | 1880 | 5430 | NA |
| Chromium | 14.1 E | 11.8 | 12.0 | 12.2 | 3.20 | 9.90 * | 17.8 | 12.2 | 108 |
| Cobalt | 11.6 EN | 7.70 | 9.70 | 10.0 | 1.90 B | 5.20 B* | 14.6 | 7.30 B | NA |
| Copper | 16.9 | 19.5 | 15.5 | 117 | 193 | 578 * | 200 | 124 | 236 E |
| Cyanide | ND(0.680) | NA | NA | NA | ND(0.630) | ND(0.580) | ND(0.570) | ND(0.580) | 1.40 |
| Iron | NA | NA | 18500 E | 29300 E | 6830 E | 20900 * | 33200 | 34500 | NA |
| Lead | 8.70 | 11.6 * | 40.4 * | 91.8 * | 43.5 * | 79.6 | 19.8 | 64.7 | 405 * |
| Magnesium | NA | NA | 4480 | 5920 | 8650 | 6590 | 6680 | 3130 | NA |
| Manganese | NA | NA | 219 | 550 | 90.7 | 357 * | 801 | 481 | NA |
| Mercury | ND(0.140) | ND(0.130) | 0.140 * | ND(0.100) * | ND(0.120) * | ND(0.110) * | ND(0.100) | 0.160 | 0.660 |
| Nickel | 14.8 E | 18.0 | 14.3 E | 14.2 E | 4.50 BE | 9.80 * | 27.9 | 9.90 | 34.4 |
| Potassium | NA | NA | 694 | 663 | ND(157) | 1040 B | 739 B | 648 B | NA |
| Selenium | 1.00 N | ND(0.320) N | ND(0.380) W | ND(0.330) | ND(0.380) W | ND(0.910) N | ND(0.870) | ND(0.920) | 1.00 |
| Silver | ND(0.0900) | ND(0.0900) | ND(0.630) N | ND(0.550) N | ND(0.630) N | ND(1.10) N | ND(1.10) | 317 B | 3.00 |
| Sodium | NA | NA | 204 B | 180 B | 136 B | 345 B | 223 B | ND(1.10) | NA |
| Sulfide | NA | NA | ND(12.6) | ND(13.2) | 21.3 | ND(11.6) | ND(11.4) | NA | NA |
| Thallium | ND(0.470) | ND(0.430) | ND(0.380) | ND(0.330) W | ND(0.380) W | ND(0.460) W | ND(0.440) | ND(0.460) | ND(1.00) |
| Tin | 1.40 BN | 4.10 B | NA | NA | NA | NA | NA | NA | 27.4 |
| Vanadium | 13.3 E | 10.3 | 13.8 | 18.0 | 2.40 B | 16.8 * | 14.5 | 18.8 | 83.9 |
| Zinc | 68.2 E | 59.5 N | 79.4 * | 109 * | 75.5 * | 683 | 89.4 | 75.8 | 273 |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 207S | 209S | 95-02 | 95-02 | 95-04 | 95-05 | 95-07 | 95-07 | 95-26 |
| Sample ID: | 207S0-6 | 209S0-6 | 202B00608 | 202B0608 | 204B0810 | 205B0810 | 207B0204 | 207B1820 | 223B0002 |
| Sample Depth(Feet): | 0-0.5 | 0-0.5 | 6-8 | 6-8 | 8-10 | 8-10 | 2-4 | 18-20 | 0-2 |
| Parameter / Date Collected: | 09/17/97 | 09/17/97 | 02/15/96 | 02/15/96 | 03/11/96 | 02/12/96 | 02/23/96 | 02/23/96 | 03/07/96 |
| Volatile Organics | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(0.75) | NA |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.5) | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | 0.0010 J | ND(1.1) | NA |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(0.91) | NA |
| 1,1-Dichloroethane | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(1.1) | NA |
| 1,1-Dichloroethene | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.8) | NA |
| 1,2,3-Trichloropropane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.0) | NA |
| 1,2-Dibromo-3-chloropropane | ND(0.053) | ND(0.057) | ND(0.062) | NA | ND(0.056) | ND(0.065) | ND(0.056) | ND(3.3) | NA |
| 1,2-Dibromoethane | ND(0.021) | ND(0.023) | ND(0.026) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.1) | NA |
| 1,2-Dichlorobenzene | ND(0.62) | ND(0.67) | ND(0.72) | NA | 0.25 J | 0.47 J | ND(52) | ND(1.4) | NA |
| 1,2-Dichloroethane | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | ND(0.011) | ND(1.1) | NA |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(0.19) | NA |
| 1,3-Dichlorobenzene | ND(0.54) | ND(0.58) | ND(0.62) | NA | 0.80 | 3.2 | ND(52) | 0.52 J | NA |
| 1,4-Dichlorobenzene | ND(0.55) | ND(0.59) | ND(0.63) | NA | 1.2 | 9.0 D | ND(50) | 1.0 J | NA |
| 1,4-Dioxane | ND(54) | ND(58) | ND(63) | NA | ND(57) | 0.011 J | ND(57) | ND(120) | NA |
| 2-Butanone | 0.0050 JB | 0.0020 JB | ND(0.043) | NA | ND(0.039) | ND(0.045) | ND(0.039) | ND(1.1) | NA |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(1.5) | NA |
| 2-Hexanone | ND(0.037) | ND(0.040) | ND(0.043) | NA | ND(0.039) | ND(0.045) | ND(0.039) | ND(1.3) | NA |
| 3-Chloropropene | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(2.1) | NA |
| 4-Methyl-2-pentanone | ND(0.027) | ND(0.028) | ND(0.031) | NA | ND(0.028) | ND(0.032) | ND(0.028) | ND(1.3) | NA |
| Acetone | 0.037 JB | 0.027 JB | ND(0.11) | NA | 0.019 JB | ND(0.12) | ND(0.10) | ND(1.5) | NA |
| Acetonitrile | ND(0.21) | ND(0.23) | 0.0060 J | NA | ND(0.22) | 0.014 J | ND(0.22) | ND(24) | NA |
| Acrolein | ND(0.24) | ND(0.26) | ND(0.28) | NA | ND(0.26) | ND(0.30) | ND(0.26) | ND(12) | NA |
| Acrylonitrile | ND(0.22) | ND(0.24) | 0.26 | NA | ND(0.24) | 0.0040 J | 0.0020 JB | ND(16) | NA |
| Benzene | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | 0.11 | ND(1.2) | NA |
| Bromodichloromethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.9) | NA |
| Bromoform | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(0.91) | NA |
| Bromomethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(2.4) | NA |
| Carbon Disulfide | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | 0.0060 J | ND(2.1) | NA |
| Carbon Tetrachloride | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(1.3) | NA |
| Chlorobenzene | ND(0.016) | 0.0020 J | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | 17 | NA |
| Chloroethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(3.1) | NA |
| Chloroform | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(1.4) | NA |
| Chloromethane | ND(0.037) | ND(0.040) | ND(0.043) | NA | ND(0.039) | ND(0.045) | ND(0.039) | ND(3.6) | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | ND(0.011) | ND(1.3) | NA |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Crotonaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | ND(0.016) | ND(0.017) | ND(0.010) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(0.65) | NA |
| Dibromomethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.3) | NA |
| Dichlorodifluoromethane | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | ND(0.011) | ND(0.000010) | NA |
| Ethyl Methacrylate | ND(0.027) | ND(0.028) | ND(0.031) | NA | ND(0.028) | ND(0.032) | ND(0.028) | ND(1.1) | NA |
| Ethylbenzene | 0.0010 J | 0.0020 J | ND(0.019) | NA | ND(0.017) | ND(0.019) | 0.039 | ND(1.2) | NA |
| Iodomethane | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | ND(0.011) | ND(1.4) | NA |
| Isobutanol | ND(14) | ND(15) | 16 | NA | ND(15) | ND(17) | ND(14) | ND(15) | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(0.67) | NA |
| Methyl Methacrylate | ND(0.053) | ND(0.057) | ND(0.062) | NA | ND(0.056) | ND(0.055) | ND(0.056) | ND(2.0) | NA |
| Methylene Chloride | 0.014 JB | 0.047 B | 0.036 B | NA | 0.015 JB | 0.013 JB | 0.011 JB | 0.23 JB | NA |
| Propionitrile | ND(0.63) | ND(0.67) | 0.73 | NA | ND(0.66) | ND(0.77) | ND(0.66) | ND(10) | NA |
| Styrene | ND(0.011) | ND(0.011) | ND(0.012) | NA | ND(0.011) | ND(0.013) | ND(0.011) | ND(1.1) | NA |
| Tetrachloroethene | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(0.94) | NA |
| Toluene | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | 0.14 | ND(1.6) | NA |
| trans-1,2-Dichloroethene | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(1.6) | NA |
| trans-1,3-Dichloropropene | ND(0.016) | ND(0.017) | ND(0.019) | NA | ND(0.017) | ND(0.019) | ND(0.017) | ND(1.3) | NA |
| trans-1,4-Dichloro-2-butene | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.3) | NA |
| Trichloroethene | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(0.96) | NA |
| Trichlorofluoromethane | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(2.5) | NA |
| Vinyl Acetate | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(1.8) | NA |
| Vinyl Chloride | ND(0.021) | ND(0.023) | ND(0.025) | NA | ND(0.022) | ND(0.026) | ND(0.022) | ND(3.3) | NA |
| Xylenes (total) | 0.0040 J | 0.0040 J | ND(0.025) | NA | ND(0.022) | 0.0040 J | 0.22 | ND(2.5) | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
*(Results are presented in dry weight parts per million, ppm)*

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 207S | 209S | 95-02 | 95-02 | 95-04 | 95-05 | 95-07 | 95-07 | 95-26 |
| Sample ID: | 207S0-6 | 209S0-6 | 202B00608 | 202B0608 | 204B0810 | 205B0810 | 207B0204 | 207B1820 | 223B0002 |
| Sample Depth(Feet): | 0-0.5 | 0-0.5 | 6-8 | 6-8 | 8-10 | 8-10 | 2-4 | 18-20 | 0-2 |
| Parameter / Date Collected: | 09/17/97 | 09/17/97 | 02/15/96 | 02/15/96 | 03/11/96 | 02/12/96 | 02/23/96 | 02/23/96 | 03/07/96 |
| **Semivolatile Organics** | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | ND(0.71) | NA | NA | NA | NA |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | ND(1.4) | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | ND(0.67) | NA | NA | NA | NA |
| 1,2,4,5-Tetrachlorobenzene | ND(1.4) | ND(1.5) | ND(1.6) | NA | ND(1.4) | ND(1.7) | ND(130) | ND(3.0) | NA |
| 1,2,4-Trichlorobenzene | ND(0.58) | ND(0.63) | ND(0.67) | NA | ND(0.61) | 0.42 J | ND(52) | ND(1.3) | NA |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(0.73) | ND(0.79) | ND(0.84) | NA | ND(0.77) | ND(0.89) | ND(67) | ND(1.6) | NA |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | 0.23 J | NA | NA | NA | NA |
| 1,3,5-Trinitrobenzene | ND(0.96) | ND(1.0) | ND(1.1) | NA | ND(1.0) | ND(1.2) | ND(160) | ND(2.1) | NA |
| 1,3-Dinitrobenzene | ND(0.59) | ND(0.64) | ND(0.68) | NA | ND(0.62) | ND(0.72) | ND(83) | ND(1.3) | NA |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Naphthoquinone | ND(1.7) | ND(1.8) | ND(1.9) | NA | ND(1.8) | ND(2.1) | ND(100) | ND(3.7) | NA |
| 1-Chloronaphthalene | NA | NA | NA | NA | ND(1.3) | NA | NA | NA | NA |
| 1-Methylnaphthalene | NA | NA | NA | NA | 1.6 | NA | NA | NA | NA |
| 1-Naphthylamine | ND(1.5) | ND(1.6) | ND(1.7) | NA | ND(1.6) | ND(1.8) | ND(110) | ND(3.3) | NA |
| 2,3,4,6-Tetrachlorophenol | ND(1.5) | ND(1.6) | ND(1.7) | NA | ND(1.6) | ND(1.8) | ND(130) | ND(3.3) | NA |
| 2,4,5-Trichlorophenol | ND(1.4) | ND(1.5) | ND(1.6) | NA | ND(1.4) | ND(1.7) | ND(160) | ND(3.0) | NA |
| 2,4,6-Trichlorophenol | ND(1.4) | ND(1.5) | ND(1.6) | NA | ND(1.4) | ND(1.7) | ND(120) | ND(3.0) | NA |
| 2,4-Dichlorophenol | ND(0.58) | ND(0.63) | ND(0.67) | NA | ND(0.61) | ND(0.71) | ND(49) | ND(1.3) | NA |
| 2,4-Dimethylphenol | ND(0.64) | ND(0.70) | ND(0.74) | NA | ND(0.68) | ND(0.79) | ND(53) | ND(1.4) | NA |
| 2,4-Dinitrophenol | ND(1.8) | ND(1.9) | ND(2.1) | NA | ND(1.9) | ND(2.2) | ND(170) | ND(4.0) | NA |
| 2,4-Dinitrotoluene | ND(0.70) | ND(0.75) | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(72) | ND(1.5) | NA |
| 2,6-Dichlorophenol | ND(1.3) | ND(1.4) | ND(1.5) | NA | ND(1.3) | ND(1.6) | ND(100) | ND(2.6) | NA |
| 2,6-Dinitrotoluene | ND(0.79) | ND(0.86) | ND(0.91) | NA | ND(0.83) | ND(0.97) | ND(67) | ND(1.8) | NA |
| 2-Acetylaminofluorene | ND(0.75) | ND(0.81) | ND(0.86) | NA | ND(0.79) | ND(0.92) | ND(78) | ND(1.7) | NA |
| 2-Chloronaphthalene | ND(1.0) | ND(1.1) | ND(1.2) | NA | ND(1.1) | ND(1.3) | ND(72) | ND(2.3) | NA |
| 2-Chlorophenol | ND(0.67) | ND(0.72) | ND(0.77) | NA | ND(0.70) | ND(0.82) | ND(56) | ND(1.5) | NA |
| 2-Methylnaphthalene | ND(0.89) | 0.078 J | ND(1.0) | NA | 0.37 J | 0.48 J | 690 | ND(2.0) | NA |
| 2-Methylphenol | ND(0.69) | ND(0.74) | ND(0.79) | NA | ND(0.72) | ND(0.84) | ND(67) | ND(1.5) | NA |
| 2-Naphthylamine | ND(0.91) | ND(0.98) | ND(1.0) | NA | ND(0.95) | ND(1.1) | ND(56) | ND(2.0) | NA |
| 2-Nitroaniline | ND(1.2) | ND(1.3) | ND(1.3) | NA | ND(1.2) | ND(1.4) | ND(89) | ND(2.6) | NA |
| 2-Nitrophenol | ND(0.65) | ND(0.71) | ND(0.76) | NA | ND(0.69) | ND(0.80) | ND(44) | ND(1.4) | NA |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Picoline | ND(1.3) | ND(1.4) | ND(1.5) | NA | ND(1.3) | ND(1.6) | ND(110) | ND(2.8) | NA |
| 3&4-Methylphenol | ND(1.4) | ND(1.5) | ND(1.6) | NA | ND(1.4) | ND(1.7) | ND(140) | ND(3.0) | NA |
| 3,3'-Dichlorobenzidine | ND(0.53) | ND(0.57) | ND(0.61) | NA | ND(0.55) | ND(0.65) | ND(89) | ND(1.2) | NA |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dimethylbenzidine | ND(1.0) | ND(1.1) | ND(1.2) | NA | ND(1.1) | ND(1.3) | ND(130) | ND(2.3) | NA |
| 3-Methylcholanthrene | ND(0.64) B | ND(0.70) B | ND(0.74) | NA | ND(0.68) | ND(0.79) | ND(83) | ND(1.4) | NA |
| 3-Nitroaniline | ND(0.73) | ND(0.79) | ND(0.84) | NA | ND(0.77) | ND(0.89) | ND(140) | ND(1.6) | NA |
| 3-Phenylenediamine | ND(0.70) | ND(0.75) | ND(0.80) | NA | NA | ND(0.85) | ND(67) | ND(1.5) | NA |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | ND(0.50) | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(1.9) | ND(2.1) | ND(2.2) | NA | ND(2.0) | ND(2.3) | ND(160) | ND(4.2) | NA |
| 4-Aminobiphenyl | ND(0.43) | ND(0.47) | ND(0.50) | NA | ND(0.45) | ND(0.53) | 6.8 J | ND(0.96) | NA |
| 4-Bromophenyl-phenylether | ND(0.79) | ND(0.86) | ND(0.91) | NA | ND(0.83) | ND(0.97) | ND(72) | ND(1.8) | NA |
| 4-Chloro-3-Methylphenol | ND(0.79) | ND(0.86) | ND(0.91) | NA | ND(0.83) | ND(0.97) | ND(56) | ND(1.8) | NA |
| 4-Chloroaniline | ND(0.73) | ND(0.79) B | ND(0.84) | NA | ND(0.77) | ND(0.89) | ND(56) | ND(1.6) | NA |
| 4-Chlorobenzilate | ND(0.75) | ND(0.81) | ND(0.86) | NA | ND(0.79) | ND(0.92) | ND(89) | ND(1.7) | NA |
| 4-Chlorophenyl-phenylether | ND(0.63) | ND(0.69) | ND(0.73) | NA | ND(0.67) | ND(0.78) | ND(52) | ND(1.4) | NA |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(1.2) | ND(1.3) B | ND(1.3) | NA | ND(1.2) | ND(1.4) | ND(180) | ND(2.6) | NA |
| 4-Nitrophenol | ND(4.8) | ND(5.1) | ND(5.5) | NA | ND(5.0) | ND(5.8) | ND(140) | ND(11) | NA |
| 4-Nitroquinoline-1-oxide | ND(5.1) | ND(5.5) | ND(5.8) | NA | ND(5.3) | ND(6.2) | ND(430) | ND(11) | NA |
| 4-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | ND(1.1) | ND(1.1) | ND(1.2) | NA | ND(1.1) | ND(1.3) | ND(110) | ND(2.3) | NA |
| 7,12-Dimethylbenz(a)anthracene | ND(0.43) | ND(0.47) | ND(0.50) | NA | ND(0.45) | ND(0.53) | 7.5 J | ND(0.96) | NA |
| a,a'-Dimethylphenethylamine | ND(0.70) | ND(0.75) | ND(0.80) | NA | NA | ND(0.85) | ND(67) | ND(1.5) | NA |
| Acenaphthene | ND(0.70) | ND(0.75) | ND(0.80) | NA | 1.4 | ND(0.85) | 37 J | ND(1.5) | NA |
| Acenaphthylene | ND(0.71) | 0.46 J | ND(0.82) | NA | ND(0.74) | ND(0.87) | 110 | ND(1.6) | NA |
| Acetophenone | ND(0.70) | 0.11 J | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(56) | ND(1.5) | NA |
| Aniline | 0.056 J | ND(0.64) | ND(0.68) | NA | ND(0.62) | ND(0.72) | ND(41) | ND(1.3) | NA |
| Anthracene | ND(0.78) | 0.15 J | ND(0.90) | NA | 0.63 J | 0.48 J | 120 | ND(1.7) | NA |
| Aramite | ND(0.70) B | ND(0.75) B | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(220) | ND(1.5) | NA |
| Benzal chloride | NA | NA | NA | NA | ND(0.59) | NA | NA | NA | NA |
| Benzidine | ND(1.7) B | ND(1.8) B | ND(1.9) | NA | ND(1.8) | ND(2.1) | ND(54) | ND(3.7) | NA |
| Benzo(a)anthracene | 0.038 J | 1.5 | ND(0.80) | NA | 0.38 J | 0.46 J | 180 | ND(1.5) | NA |
| Benzo(a)pyrene | 0.036 J | 2.0 B | ND(0.80) | NA | 0.32 J | 0.38 J | 120 | ND(1.5) | NA |
| Benzo(b)fluoranthene | 0.054 J | 2.3 | ND(0.94) | NA | 0.33 JZ | 0.42 ZJ | 150 Z | ND(1.8) | NA |
| Benzo(g,h,i)perylene | ND(0.65) | 1.2 | ND(0.75) | NA | 0.22 J | 0.17 J | 54 J | ND(1.4) | NA |
| Benzo(k)fluoranthene | ND(0.65) B | 0.74 B | ND(0.75) | NA | 0.32 JZ | 0.42 ZJ | 160 Z | ND(1.4) | NA |
| Benzoic Acid | NA | NA | NA | NA | ND(2.1) | NA | NA | NA | NA |
| Benzotrichloride | NA | NA | NA | NA | ND(0.80) | NA | NA | NA | NA |
| Benzyl Alcohol | ND(0.58) | ND(0.63) | ND(0.67) | NA | ND(0.61) | ND(0.71) | ND(47) | ND(1.3) | NA |

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 207S | 209S | 95-02 | 95-02 | 95-04 | 95-05 | 95-07 | 95-07 | 95-26 |
| Sample ID: | 207S0-6 | 209S0-6 | 202B00608 | 202B0608 | 204B0810 | 205B0810 | 207B0204 | 207B1820 | 223B0002 |
| Sample Depth(Feet): | 0-0.5 | 0-0.5 | 6-8 | 6-8 | 8-10 | 8-10 | 2-4 | 18-20 | 0-2 |
| Parameter / Date Collected: | 09/17/97 | 09/17/97 | 02/15/98 | 02/15/96 | 03/11/96 | 02/12/96 | 02/23/96 | 02/23/96 | 03/07/96 |
| **Semivolatile Organics (continued)** | | | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | ND(0.64) | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.71) | ND(0.77) | ND(0.82) | NA | ND(0.74) | ND(0.87) | ND(56) | ND(1.6) | NA |
| bis(2-Chloroethyl)ether | ND(0.62) | ND(0.67) | ND(0.72) | NA | ND(0.65) | ND(0.76) | ND(51) | ND(1.4) | NA |
| bis(2-Chloroisopropyl)ether | ND(0.69) | ND(0.74) | ND(0.79) | NA | ND(0.72) | ND(0.84) | ND(51) | ND(1.5) | NA |
| bis(2-Ethylhexyl)phthalate | 0.075 J | 0.087 J | 0.066 J | NA | 0.18 J | ND(0.97) | ND(67) | 0.50 J | NA |
| Butylbenzylphthalate | ND(0.72) | ND(0.78) | ND(0.83) | NA | ND(0.75) | ND(0.88) | ND(94) | 0.29 J | NA |
| Chrysene | 0.049 JB | 1.8 B | ND(0.66) | NA | 0.35 J | 0.41 J | 160 | ND(1.3) | NA |
| Cyclophosphamide | NA | NA | NA | NA | ND(0.70) | NA | NA | NA | NA |
| Diallate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diallate (cis isomer) | ND(0.70) | ND(0.75) | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(67) | ND(1.5) | NA |
| Diallate (trans isomer) | ND(0.70) | ND(0.75) | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(67) | ND(1.5) | NA |
| Dibenz(a,j)acridine | NA | NA | NA | NA | ND(0.45) | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(0.45) | 0.33 J | ND(0.52) | NA | ND(0.48) | 0.047 J | 16 J | ND(1.0) | NA |
| Dibenzofuran | ND(0.73) | ND(0.79) | ND(0.84) | NA | ND(0.77) | ND(0.89) | 30 J | ND(1.6) | NA |
| Diethylphthalate | ND(0.76) | ND(0.82) | ND(0.88) | NA | ND(0.80) | ND(0.93) | ND(61) | ND(1.7) | NA |
| Dimethylphthalate | ND(1.0) | ND(1.1) | ND(1.2) | NA | ND(1.1) | ND(1.3) | ND(61) | ND(2.3) | NA |
| Di-n-Butylphthalate | ND(0.81) | ND(0.88) | ND(0.94) | NA | ND(0.85) | ND(1.0) | ND(56) | 1.2 J | NA |
| Di-n-Octylphthalate | ND(0.51) B | ND(0.55) B | ND(0.58) | NA | ND(0.53) | ND(0.62) | ND(67) | ND(1.1) | NA |
| Diphenylamine | ND(1.5) | ND(1.6) | ND(1.7) | NA | ND(1.6) | ND(1.8) | ND(130) | ND(3.3) | NA |
| Ethyl Methanesulfonate | ND(0.63) | ND(0.69) | ND(0.73) | NA | ND(0.67) | ND(0.78) | ND(52) | ND(1.4) | NA |
| Fluoranthene | 0.086 J | 1.7 | ND(1.1) | NA | 0.57 J | 0.81 J | 260 | ND(2.2) | NA |
| Fluorene | ND(0.73) | 0.071 J | ND(0.84) | NA | ND(0.77) | 0.74 J | 230 | ND(1.6) | NA |
| Hexachlorobenzene | ND(0.81) | ND(0.88) | ND(0.94) | NA | ND(0.85) | ND(1.0) | ND(67) | ND(1.8) | NA |
| Hexachlorobutadiene | ND(0.59) | ND(0.64) | ND(0.68) | NA | ND(0.67) | ND(0.72) | ND(56) | ND(1.3) | NA |
| Hexachlorocyclopentadiene | ND(0.70) | ND(0.75) | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(140) | ND(1.5) | NA |
| Hexachloroethane | ND(0.63) | ND(0.69) | ND(0.73) | NA | ND(0.67) | ND(0.78) | ND(48) | ND(1.4) | NA |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.60) | ND(0.65) | ND(0.69) | NA | ND(0.63) | ND(0.74) | ND(160) | ND(1.3) | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.49) | 1.1 | ND(0.56) | NA | 0.16 J | 0.14 J | 44 J | ND(1.1) | NA |
| Isodrin | ND(0.97) | ND(1.1) | ND(1.1) | NA | ND(1.0) | ND(1.2) | ND(61) | ND(2.2) | NA |
| Isophorone | ND(0.72) | ND(0.78) | ND(0.83) | NA | ND(0.75) | ND(0.88) | ND(48) | ND(1.6) | NA |
| Isosafrole | ND(1.4) | ND(1.5) | ND(1.6) | NA | ND(1.4) | ND(1.7) | ND(100) | ND(3.0) | NA |
| Methapyrilene | ND(1.4) | ND(1.5) | ND(1.6) | NA | ND(1.4) | ND(1.7) | ND(140) | ND(3.0) | NA |
| Methyl Methanesulfonate | ND(0.74) | ND(0.80) | ND(0.85) | NA | ND(0.78) | ND(0.91) | ND(47) | ND(1.6) | NA |
| Naphthalene | ND(0.70) | 0.10 J | ND(0.80) | NA | 0.74 | 2.7 | 590 | 0.65 J | NA |
| Nitrobenzene | ND(0.72) | ND(0.78) | ND(0.83) | NA | ND(0.75) | ND(0.88) | ND(55) | ND(1.6) | NA |
| N-Nitrosodiethylamine | ND(0.63) | ND(0.68) | ND(0.73) | NA | ND(0.67) | ND(0.78) | ND(44) | ND(1.4) | NA |
| N-Nitrosodimethylamine | ND(0.70) | ND(0.75) | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(56) | ND(1.5) | NA |
| N-Nitroso-di-n-butylamine | ND(1.5) | ND(1.6) | ND(1.7) | NA | ND(1.6) | ND(1.8) | ND(56) | ND(3.3) | NA |
| N-Nitroso-di-n-propylamine | ND(0.64) | ND(0.70) | ND(0.74) | NA | ND(0.68) | ND(0.79) | ND(55) | ND(1.4) | NA |
| N-Nitrosodiphenylamine | ND(1.5) | ND(1.6) | ND(1.7) | NA | ND(1.6) | ND(1.8) | ND(130) | ND(3.3) | NA |
| N-Nitrosomethylethylamine | ND(0.57) | ND(0.62) | ND(0.66) | NA | ND(0.60) | ND(0.70) | ND(94) | ND(1.3) | NA |
| N-Nitrosomorpholine | ND(0.79) | ND(0.86) | ND(0.91) | NA | ND(0.83) | ND(0.97) | ND(61) | ND(1.8) | NA |
| N-Nitrosopiperidine | ND(0.78) | ND(0.85) | ND(0.90) | NA | ND(0.82) | ND(0.96) | ND(53) | ND(1.7) | NA |
| N-Nitrosopyrrolidine | ND(0.56) | ND(0.61) | ND(0.65) | NA | ND(0.59) | ND(0.69) | ND(61) | ND(1.2) | NA |
| o,o,o-Triethylphosphorothioate | ND(5.6) | ND(6.1) | ND(6.5) | NA | ND(5.9) | ND(6.9) | ND(490) | ND(12) | NA |
| o-Toluidine | ND(2.1) | ND(2.3) | ND(2.4) | NA | ND(2.2) | ND(2.6) | ND(83) | ND(4.7) | NA |
| Paraldehyde | NA | NA | NA | NA | ND(0.40) | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | ND(0.71) | ND(0.77) | ND(0.82) | NA | ND(0.74) | ND(0.87) | ND(83) | ND(1.6) | NA |
| Pentachlorobenzene | ND(0.70) | ND(0.75) | ND(0.80) | NA | ND(0.73) | ND(0.85) | ND(72) | ND(1.5) | NA |
| Pentachloroethane | ND(0.88) | ND(0.95) | ND(1.0) | NA | ND(0.92) | ND(1.1) | ND(49) | ND(1.9) | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA | ND(0.71) | NA | NA | NA | NA |
| Pentachlorophenol | ND(1.5) | ND(1.6) | ND(1.7) | NA | ND(1.6) | ND(1.8) | ND(150) | ND(3.3) | NA |
| Phenacetin | ND(0.64) | ND(0.70) | ND(0.74) | NA | ND(0.68) | ND(0.79) | ND(83) | ND(1.4) | NA |
| Phenanthrene | ND(0.65) | 0.49 J | ND(0.76) | NA | 2.5 | 1.9 | 560 | 0.61 J | NA |
| Phenol | ND(0.60) | ND(0.65) | ND(0.69) | NA | ND(0.63) | ND(0.74) | ND(47) | ND(1.3) | NA |
| Pronamide | ND(0.69) | ND(0.74) | ND(0.79) | NA | ND(0.72) | ND(0.84) | ND(56) | ND(1.5) | NA |
| Pyrene | 0.075 J | 2.7 | ND(0.89) | NA | 0.98 | 1.5 | 500 | ND(1.7) | NA |
| Pyridine | ND(0.56) | ND(0.63) | ND(0.67) | NA | ND(0.61) | ND(0.71) | ND(67) | ND(1.3) | NA |
| Safrole | ND(0.61) | ND(0.66) | ND(0.71) | NA | ND(0.64) | ND(0.75) | ND(55) | ND(1.4) | NA |
| Thionazin | ND(0.71) | ND(0.77) | ND(0.82) | NA | ND(0.74) | ND(0.87) | ND(61) | ND(1.6) | NA |
| Total Phenols | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 207S | 209S | 95-02 | 95-02 | 95-04 | 95-05 | 95-07 | 95-07 | 95-26 |
| *Sample ID:* | *207S0-6* | 209S0-6 | 202B00608 | 202B0608 | 204B0810 | 205B0810 | 207B0204 | 207B1820 | 223B0002 |
| Sample Depth(Feet): | 0-0.5 | 0-0.5 | 6-8 | 6-8 | 8-10 | 8-10 | 2-4 | 18-20 | 0-2 |
| **Parameter** Date Collected: | 09/17/97 | 09/17/97 | 02/15/96 | 02/15/96 | 03/11/96 | 02/12/96 | 02/23/96 | 02/23/96 | 03/07/96 |
| **Organochlorine Pesticides** | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | | | |
| Dimethoate | NA | NA | NA | NA | ND(0.73) | NA | NA | NA | NA |
| Disulfoton | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Famphur | NA | NA | NA | NA | ND(2.2) | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phorate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfotep | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Herbicides** | | | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-D | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | | | |
| 2,3,7,8-TCDF | 0.000044 g | 0.000029 g | ND(0.00000042) | NA | NA | 0.000011 g | 0.000014 g | NA | NA |
| 1,2,3,7,8-PeCDF | 0.000017 | 0.000011 | ND(0.00000019) | NA | NA | 0.0000083 J | ND(0.000016) | NA | NA |
| 2,3,4,7,8-PeCDF | 0.000038 | 0.000014 | ND(0.00000016) | NA | NA | 0.000019 | ND(0.000012) | NA | NA |
| PeCDFs (total) | 0.0010 | 0.00023 | ND(0.00000039) | NA | NA | 0.0018 | ND(0.000030) | NA | NA |
| 1,2,3,4,7,8-HxCDF | 0.000032 | 0.000021 | ND(0.00000012) | NA | NA | 0.000037 | ND(0.000021) | NA | NA |
| 1,2,3,6,7,8-HxCDF | 0.000037 | ND(0.000011) v | ND(0.000000082) | NA | NA | 0.000065 | ND(0.000013) | NA | NA |
| 1,2,3,7,8,9-HxCDF | ND(0.00000054) | ND(0.00000060) | ND(0.00000012) | NA | NA | ND(0.000020) y | ND(0.0000084) | NA | NA |
| 2,3,4,6,7,8-HxCDF | 0.000049 | 0.0000087 | ND(0.00000018) | NA | NA | 0.00023 | ND(0.0000097) | NA | NA |
| HxCDFs (total) | 0.00095 | 0.00022 | ND(0.00000046) | NA | NA | 0.0019 | ND(0.000021) | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | 0.000082 | 0.00013 | ND(0.00000028) | NA | NA | 0.00021 | ND(0.000019) | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | 0.0000075 | 0.0000083 | ND(0.00000028) | NA | NA | 0.000029 | ND(0.000011) | NA | NA |
| HpCDFs (total) | 0.00017 | 0.00026 | ND(0.00000028) | NA | NA | 0.00064 | ND(0.000019) | NA | NA |
| OCDF | 0.000037 | 0.000088 | ND(0.00000057) | NA | NA | 0.00012 | ND(0.000017) | NA | NA |
| **Dioxins** | | | | | | | | | |
| 2,3,7,8-TCDD | ND(0.00000028) | ND(0.00000038) | ND(0.00000015) | NA | NA | ND(0.00000031) | ND(0.0000058) | NA | NA |
| 1,2,3,7,8-PeCDD | ND(0.00000038) | ND(0.00000082) | ND(0.00000011) | NA | NA | ND(0.0000016) | ND(0.0000049) | NA | NA |
| PeCDDs (total) | ND(0.0000012) | ND(0.0000031) | ND(0.00000011) | NA | NA | ND(0.0000034) | ND(0.000039) | NA | NA |
| 1,2,3,4,7,8-HxCDD | ND(0.00000045) | ND(0.00000098) | ND(0.00000016) | NA | NA | ND(0.0000022) | ND(0.000015) | NA | NA |
| 1,2,3,6,7,8-HxCDD | ND(0.00000068) | 0.0000029 J | ND(0.00000018) | NA | NA | ND(0.0000028) | ND(0.000016) | NA | NA |
| 1,2,3,7,8,9-HxCDD | ND(0.00000073) | ND(0.0000023) | ND(0.00000019) | NA | NA | ND(0.0000027) | ND(0.000016) | NA | NA |
| HxCDDs (total) | 0.0000028 | 0.000016 | ND(0.00000032) | NA | NA | 0.000027 | ND(0.000016) | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | 0.0000074 | 0.000036 | ND(0.00000072) | NA | NA | 0.000027 | ND(0.000011) | NA | NA |
| HpCDDs (total) | 0.000015 | 0.000067 | ND(0.0000012) | NA | NA | 0.000056 | ND(0.000011) | NA | NA |
| OCDD | 0.000050 | 0.00026 | ND(0.0000074) | NA | NA | 0.00015 | ND(0.000062) | NA | NA |
| Total TEQs (WHO TEFs) | 0.000037 | 0.000017 | 0.00000025 | NA | NA | 0.000049 | 0.000015 | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | 207S | 209S | 95-02 | 95-02 | 95-04 | 95-05 | 95-07 | 95-07 | 95-26 |
| Sample ID: | 207S0-6 | 209S0-6 | 202B00608 | 202B0608 | 204B0810 | 205B0810 | 207B0204 | 207B1820 | 223B0002 |
| Sample Depth(Feet): | 0-0.5 | 0-0.5 | 6-8 | 6-8 | 8-10 | 8-10 | 2-4 | 18-20 | 0-2 |
| Parameter / Date Collected: | 09/17/97 | 09/17/97 | 02/15/96 | 02/15/96 | 03/11/96 | 02/12/96 | 02/23/96 | 02/23/96 | 03/07/96 |
| Inorganics | | | | | | | | | |
| Aluminum | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Antimony | ND(0.610) N | ND(0.660) N | ND(0.220) N | NA | NA | 1.10 BN | 0.380 BN | ND(0.210) N | 0.260 B |
| Arsenic | 4.00 | 7.50 | 2.00 N* | NA | NA | 2.40 N* | 2.60 N* | 0.440 BN* | 6.20 |
| Barium | 36.2 B | 49.7 | 55.8 E | NA | NA | 37.0 E | 9.00 BE | 13.5 BE | 50.8 |
| Beryllium | 0.260 B | 0.410 B | 0.310 BN | NA | NA | 0.360 BN | 0.0500 BN | 0.110 BN | 0.210 B |
| Cadmium | ND(0.0600) | 0.600 B | ND(0.0200) N | NA | NA | 0.200 BN | ND(0.0200) N | ND(0.0200) N | 0.0400 B |
| Calcium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 8.60 | 17.8 | 12.8 E | NA | NA | 19.0 E | 5.20 E | 8.50 E | 11.5 |
| Cobalt | NA | NA | 4.80 BEN | NA | NA | 7.50 EN | 1.40 BEN | 3.90 BEN | 9.60 |
| Copper | 17.4 E | 56.8 E | 5.70 | NA | NA | 69.4 | 26.2 | 5.50 | 55.1 |
| Cyanide | ND(0.530) | ND(0.570) | ND(0.620) | 0.920 | ND(0.560) | ND(0.650) | 13.3 | ND(0.590) | ND(0.690) |
| Iron | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 10.9 * | 105 * | 7.60 | NA | NA | 204 | 18.7 | 4.20 | 40.6 |
| Magnesium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | ND(0.0500) | 0.190 | ND(0.100) | NA | NA | 0.840 | 0.580 | ND(0.120) | ND(0.130) |
| Nickel | 11.9 | 25.0 | 11.3 E | NA | NA | 14.8 E | 7.60 E | 7.10 E | 15.0 |
| Potassium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | 0.970 B | 2.20 | 0.540 BN | NA | NA | 0.580 BN | 0.490 BN | 0.390 BN | 0.490 B |
| Silver | ND(0.170) | ND(0.180) | ND(0.0900) | NA | NA | 0.100 B | ND(0.0800) | ND(0.0800) | ND(0.100) |
| Sodium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium | ND(1.10) | ND(1.10) | 0.620 B | NA | NA | ND(0.450) | ND(0.390) | ND(0.410) | ND(0.480) |
| Tin | ND(2.00) | 9.30 B | 1.40 BN | NA | NA | 41.8 N | 1.90 BN | 1.80 BN | 2.10 B |
| Vanadium | 8.40 B | 19.5 | 10.8 E | NA | NA | 16.3 E | 6.70 E | 3.80 BE | 9.50 |
| Zinc | 75.6 | 127 | 60.9 E | NA | NA | 166 E | 14.5 E | 27.8 E | 85.6 |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | 95-26 | 95-26 | E2SC-05 | E2SC-05 | E2SC-06 | E2SC-06 | E2SC-07 |
| Sample ID: | 223B1214 | 226B1012 | E2SC-05-CS0615 | E2SC-05-SS07 | E2SC-06-CS0615 | E2SC-06-SS08 | E2SC-07-CS0615 |
| Sample Depth(Feet): | 12-14 | 10-12 | 6-15 | 10-12 | 6-15 | 12-14 | 6-15 |
| Parameter / Date Collected: | 03/07/96 | 02/22/96 | 10/25/98 | 10/25/98 | 10/23/98 | 10/23/98 | 10/27/98 |
| **Volatile Organics** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | NA | 0.0010 J | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.013) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,1-Dichloroethane | NA | 0.0070 J | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,1-Dichloroethene | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,2,3-Trichloropropane | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,2-Dibromo-3-chloropropane | NA | 0.0020 JB | NA | ND(0.010) | NA | ND(1.1) | NA |
| 1,2-Dibromoethane | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,2-Dichlorobenzene | NA | ND(0.77) | ND(0.30) | NA | ND(110) | NA | ND(0.34) |
| 1,2-Dichloroethane | NA | ND(0.013) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 1,3-Dichlorobenzene | NA | ND(0.66) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 1,4-Dichlorobenzene | NA | ND(0.68) | ND(0.30) | NA | ND(110) | NA | ND(0.34) |
| 1,4-Dioxane | NA | ND(66) | NA | ND(0.52) | NA | ND(53) | NA |
| 2-Butanone | NA | ND(0.045) | NA | ND(0.021) | NA | ND(2.1) | NA |
| 2-Chloro-1,3-butadiene | NA | NA | NA | ND(0.0052) | NA | ND(0.53) | NA |
| 2-Chloroethylvinylether | NA | ND(0.010) | NA | ND(0.052) | NA | ND(5.3) | NA |
| 2-Hexanone | NA | ND(0.045) | NA | ND(0.021) | NA | ND(2.1) | NA |
| 3-Chloropropene | NA | ND(0.019) | NA | ND(0.010) | NA | ND(1.1) | NA |
| 4-Methyl-2-pentanone | NA | ND(0.032) | NA | ND(0.021) | NA | ND(2.1) | NA |
| Acetone | NA | ND(0.12) | NA | 0.021 | NA | ND(2.1) | NA |
| Acetonitrile | NA | ND(0.26) | NA | ND(0.10) | NA | ND(11) | NA |
| Acrolein | NA | ND(0.30) | NA | ND(0.10) | NA | ND(11) | NA |
| Acrylonitrile | NA | ND(0.27) | NA | ND(0.10) | NA | ND(11) | NA |
| Benzene | NA | ND(0.019) | NA | ND(0.0052) | NA | 2.1 | NA |
| Bromodichloromethane | NA | ND(0.025) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Bromoform | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Bromomethane | NA | ND(0.026) | NA | ND(0.010) | NA | ND(1.1) | NA |
| Carbon Disulfide | NA | ND(0.013) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Carbon Tetrachloride | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Chlorobenzene | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Chloroethane | NA | ND(0.026) | NA | ND(0.010) | NA | ND(1.1) | NA |
| Chloroform | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Chloromethane | NA | ND(0.045) | NA | ND(0.010) | NA | ND(1.1) | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | ND(0.0026) | NA | ND(0.26) | NA |
| cis-1,3-Dichloropropene | NA | ND(0.013) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | NA | NA |
| Crotonaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Dibromomethane | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Dichlorodifluoromethane | NA | ND(0.013) | NA | ND(0.010) | NA | ND(1.1) | NA |
| Ethyl Methacrylate | NA | ND(0.032) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Ethylbenzene | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Iodomethane | NA | ND(0.013) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Isobutanol | NA | ND(17) | NA | ND(0.21) | NA | ND(21) | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Methyl Methacrylate | NA | ND(0.065) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Methylene Chloride | NA | 0.010 JB | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Propionitrile | NA | ND(0.77) | NA | ND(0.021) | NA | ND(2.1) | NA |
| Styrene | NA | ND(0.013) | NA | ND(0.0052) | NA | 2.1 | NA |
| Tetrachloroethene | NA | 0.0040 J | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Toluene | NA | ND(0.019) | NA | ND(0.0052) | NA | 2.3 | NA |
| trans-1,2-Dichloroethene | NA | ND(0.019) | NA | ND(0.0026) | NA | ND(0.26) | NA |
| trans-1,3-Dichloropropene | NA | ND(0.019) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| trans-1,4-Dichloro-2-butene | NA | ND(0.026) | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Trichloroethene | NA | 0.0060 J | NA | ND(0.0052) | NA | ND(0.53) | NA |
| Trichlorofluoromethane | NA | ND(0.026) | NA | ND(0.010) | NA | ND(1.1) | NA |
| Vinyl Acetate | NA | ND(0.026) | NA | ND(0.010) | NA | ND(1.1) | NA |
| Vinyl Chloride | NA | ND(0.026) | NA | ND(0.010) | NA | ND(1.1) | NA |
| Xylenes (total) | NA | ND(0.026) | NA | ND(0.0052) | NA | 1.6 | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | 95-26 | 95-26 | E2SC-05 | E2SC-05 | E2SC-06 | E2SC-06 | E2SC-07 |
| Sample ID: | 223B1214 | 226B1012 | E2SC-05-CS0615 | E2SC-05-SS07 | E2SC-06-CS0615 | E2SC-06-SS08 | E2SC-07-CS0615 |
| Sample Depth(Feet): | 12-14 | 10-12 | 6-15 | 10-12 | 6-15 | 12-14 | 6-15 |
| Parameter / Date Collected: | 03/07/96 | 02/22/96 | 10/25/98 | 10/25/98 | 10/23/98 | 10/23/98 | 10/27/98 |
| **Semivolatile Organics** | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetrachlorobenzene | NA | ND(1.7) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 1,2,4-Trichlorobenzene | NA | ND(0.71) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | NA | ND(0.90) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trinitrobenzene | NA | ND(1.2) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 1,3-Dinitrobenzene | NA | ND(0.73) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Naphthoquinone | NA | ND(2.1) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 1-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 1-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 1-Naphthylamine | NA | ND(1.8) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,3,4,6-Tetrachlorophenol | NA | ND(1.8) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,4,5-Trichlorophenol | NA | ND(1.7) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,4,6-Trichlorophenol | NA | ND(1.7) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,4-Dichlorophenol | NA | ND(0.71) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,4-Dimethylphenol | NA | ND(0.79) | ND(0.39) | NA | 11 J | NA | ND(0.34) |
| 2,4-Dinitrophenol | NA | ND(2.2) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 2,4-Dinitrotoluene | NA | ND(0.86) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,6-Dichlorophenol | NA | ND(1.6) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2,6-Dinitrotoluene | NA | ND(0.97) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2-Acetylaminofluorene | NA | ND(0.92) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| 2-Chloronaphthalene | NA | ND(1.3) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2-Chlorophenol | NA | ND(0.82) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2-Methylnaphthalene | NA | ND(1.1) | 0.64 | NA | 4400 | NA | 0.12 J |
| 2-Methylphenol | NA | ND(0.84) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2-Naphthylamine | NA | ND(1.1) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2-Nitroaniline | NA | ND(1.4) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 2-Nitrophenol | NA | ND(0.81) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA |
| 2-Picoline | NA | ND(1.6) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| 3&4-Methylphenol | NA | ND(1.7) | ND(0.39) | NA | 19 J | NA | ND(0.34) |
| 3,3'-Dichlorobenzidine | NA | ND(0.65) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dimethylbenzidine | NA | ND(1.3) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 3-Methylcholanthrene | NA | ND(0.79) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| 3-Nitroaniline | NA | ND(0.90) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 3-Phenylenediamine | NA | ND(0.86) | NA | NA | NA | NA | NA |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | ND(2.3) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 4-Aminobiphenyl | NA | ND(0.53) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 4-Bromophenyl-phenylether | NA | ND(0.97) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 4-Chloro-3-Methylphenol | NA | ND(0.97) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 4-Chloroaniline | NA | ND(0.90) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 4-Chlorobenzilate | NA | ND(0.92) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 4-Chlorophenyl-phenylether | NA | ND(0.78) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | ND(1.4) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 4-Nitrophenol | NA | ND(5.8) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| 4-Nitroquinoline-1-oxide | NA | ND(6.2) | ND(3.9) | NA | ND(1100) | NA | ND(3.4) |
| 4-Phenylenediamine | NA | NA | ND(3.9) | NA | ND(1100) | NA | ND(3.4) |
| 5-Nitro-o-toluidine | NA | ND(1.3) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| 7,12-Dimethylbenz(a)anthracene | NA | ND(0.53) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| a,a'-Dimethylphenethylamine | NA | ND(0.86) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| Acenaphthene | NA | ND(0.86) | 0.10 J | NA | 340 | NA | 0.50 |
| Acenaphthylene | NA | ND(0.87) | 0.84 | NA | 4400 | NA | 0.40 |
| Acetophenone | NA | ND(0.86) | 0.021 J | NA | ND(110) | NA | ND(0.34) |
| Aniline | NA | ND(0.73) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Anthracene | NA | ND(0.96) | 2.9 | NA | 5100 | NA | 0.52 |
| Aramite | NA | ND(0.86) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| Benzal chloride | NA | NA | NA | NA | NA | NA | NA |
| Benzidine | NA | ND(2.1) | ND(3.9) | NA | ND(1100) | NA | ND(3.4) |
| Benzo(a)anthracene | NA | ND(0.86) | 0.49 | NA | 1100 J | NA | 0.25 J |
| Benzo(a)pyrene | NA | ND(0.86) | 0.45 | NA | 590 | NA | 0.22 J |
| Benzo(b)fluoranthene | NA | ND(1.0) | 0.33 J | NA | 730 | NA | 0.16 J |
| Benzo(g,h,i)perylene | NA | ND(0.81) | 0.12 J | NA | 240 | NA | 0.059 J |
| Benzo(k)fluoranthene | NA | ND(0.81) | 0.16 J | NA | 300 | NA | 0.067 J |
| Benzoic Acid | NA | NA | NA | NA | NA | NA | NA |
| Benzotrichloride | NA | NA | NA | NA | NA | NA | NA |
| Benzyl Alcohol | NA | ND(0.71) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | 95-26 | 95-26 | E2SC-05 | E2SC-05 | E2SC-06 | E2SC-06 | E2SC-07 |
| Sample ID: | 223B1214 | 226B1012 | E2SC-05-CS0615 | E2SC-05-SS07 | E2SC-06-CS0615 | E2SC-06-SS08 | E2SC-07-CS0615 |
| Sample Depth(Feet): | 12-14 | 10-12 | 6-15 | 10-12 | 6-15 | 12-14 | 6-15 |
| Parameter / Date Collected: | 03/07/96 | 02/22/96 | 10/25/98 | 10/25/98 | 10/23/98 | 10/23/98 | 10/27/98 |
| **Semivolatile Organics (continued)** | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | ND(0.87) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| bis(2-Chloroethyl)ether | NA | ND(0.77) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| bis(2-Chloroisopropyl)ether | NA | ND(0.84) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| bis(2-Ethylhexyl)phthalate | NA | ND(0.50) | 0.17 J | NA | ND(110) | NA | 0.23 J |
| Butylbenzylphthalate | NA | ND(0.88) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Chrysene | NA | ND(0.70) | 0.53 | NA | 1200 J | NA | 0.24 J |
| Cyclophosphamide | NA | NA | NA | NA | NA | NA | NA |
| Diallate | NA | NA | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Diallate (cis isomer) | NA | ND(0.86) | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | ND(0.86) | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | NA | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | NA | ND(0.56) | ND(0.39) | NA | 66 J | NA | ND(0.34) |
| Dibenzofuran | NA | ND(0.90) | 0.055 J | NA | 200 | NA | 0.053 J |
| Diethylphthalate | NA | ND(0.94) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Dimethylphthalate | NA | ND(1.3) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Di-n-Butylphthalate | NA | ND(1.0) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Di-n-Octylphthalate | NA | ND(0.62) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Diphenylamine | NA | ND(1.8) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Ethyl Methanesulfonate | NA | ND(0.78) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Fluoranthene | NA | ND(1.2) | 1.0 | NA | 2500 | NA | 0.56 |
| Fluorene | NA | ND(0.90) | 0.73 | NA | 2700 | NA | 0.45 |
| Hexachlorobenzene | NA | ND(1.0) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Hexachlorobutadiene | NA | ND(0.73) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Hexachlorocyclopentadiene | NA | ND(0.86) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| Hexachloroethane | NA | ND(0.78) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | NA | ND(0.74) | ND(1.5) | NA | ND(440) | NA | ND(1.4) |
| Indeno(1,2,3-cd)pyrene | NA | ND(0.60) | 0.10 J | NA | 230 | NA | 0.053 J |
| Isodrin | NA | ND(1.2) | NA | NA | NA | NA | NA |
| Isophorone | NA | ND(0.88) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Isosafrole | NA | ND(1.7) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Methapyrilene | NA | ND(1.7) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| Methyl Methanesulfonate | NA | ND(0.91) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Naphthalene | NA | ND(0.86) | 0.97 | NA | 12000 | NA | 0.67 |
| Nitrobenzene | NA | ND(0.88) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosodiethylamine | NA | ND(0.78) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosodimethylamine | NA | ND(0.86) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitroso-di-n-butylamine | NA | ND(1.8) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitroso-di-n-propylamine | NA | ND(0.79) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosodiphenylamine | NA | ND(1.8) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosomethylethylamine | NA | ND(0.70) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosomorpholine | NA | ND(0.97) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosopiperidine | NA | ND(0.96) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| N-Nitrosopyrrolidine | NA | ND(0.69) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| o,o,o-Triethylphosphorothioate | NA | ND(6.9) | NA | NA | NA | NA | NA |
| o-Toluidine | NA | ND(2.6) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Paraldehyde | NA | NA | NA | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | ND(0.87) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Pentachlorobenzene | NA | ND(0.86) | ND(0.39) | NA | ND(110) | NA | ND(0.34) |
| Pentachloroethane | NA | ND(1.1) | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| Pentachloronitrobenzene | NA | NA | ND(1.9) | NA | ND(540) | NA | ND(1.7) |
| Pentachlorophenol | NA | ND(1.8) | ND(1.5) | NA | ND(540) | NA | ND(1.7) |
| Phenacetin | NA | ND(0.79) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Phenanthrene | NA | ND(0.81) | 2.8 | NA | 8200 | NA | 1.2 |
| Phenol | NA | ND(0.74) | ND(0.39) | NA | 7.9 J | NA | ND(0.34) |
| Pronamide | NA | ND(0.84) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Pyrene | NA | ND(0.95) | 1.5 | NA | 4300 | NA | 0.49 |
| Pyridine | NA | ND(0.71) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Safrole | NA | ND(0.75) | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| Thionazin | NA | ND(0.87) | NA | NA | NA | NA | NA |
| Total Phenols | NA | NA | NA | NA | NA | NA | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA |

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**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | 95-26 | 95-26 | E2SC-05 | E2SC-05 | E2SC-06 | E2SC-06 | E2SC-07 |
| Sample ID: | 223B1214 | 226B1012 | E2SC-05-CS0615 | E2SC-05-SS07 | E2SC-06-CS0615 | E2SC-06-SS08 | E2SC-07-CS0615 |
| Sample Depth(Feet): | 12-14 | 10-12 | 6-15 | 10-12 | 6-15 | 12-14 | 6-15 |
| Parameter / Date Collected: | 03/07/96 | 02/22/96 | 10/25/98 | 10/25/98 | 10/23/98 | 10/23/98 | 10/27/98 |
| **Organochlorine Pesticides** | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | |
| Dimethoate | NA | NA | NA | NA | NA | NA | NA |
| Disulfoton | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | NA |
| Phorate | NA | NA | NA | NA | NA | NA | NA |
| Sulfotep | NA | NA | NA | NA | NA | NA | NA |
| **Herbicides** | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | NA |
| 2,4-D | NA | NA | NA | NA | NA | NA | NA |
| Dinoseb | NA | NA | ND(0.78) | NA | ND(220) | NA | ND(0.69) |
| **Furans** | | | | | | | |
| 2,3,7,8-TCDF | NA | ND(0.000073) | 0.0000033 g | NA | ND(0.00000045) | NA | ND(0.00000042) |
| 1,2,3,7,8-PeCDF | NA | ND(0.000027) | ND(0.00000078) | NA | ND(0.00000051) | NA | ND(0.00000045) |
| 2,3,4,7,8-PeCDF | NA | ND(0.000027) | ND(0.00000085) | NA | ND(0.00000053) | NA | ND(0.00000046) |
| PeCDFs (total) | NA | ND(0.000027) | 0.000014 | NA | ND(0.00000092) | NA | ND(0.00000072) |
| 1,2,3,4,7,8-HxCDF | NA | ND(0.00020) | ND(0.00000098) | NA | ND(0.00000018) | NA | ND(0.00000024) |
| 1,2,3,6,7,8-HxCDF | NA | ND(0.00020) | ND(0.00000058) | NA | ND(0.00000018) | NA | ND(0.00000024) |
| 1,2,3,7,8,9-HxCDF | NA | ND(0.00020) | ND(0.00000048) | NA | ND(0.00000024) | NA | ND(0.00000031) |
| 2,3,4,6,7,8-HxCDF | NA | ND(0.00020) | ND(0.00000051) | NA | ND(0.00000021) | NA | ND(0.00000027) |
| HxCDFs (total) | NA | ND(0.00020) | 0.0000045 | NA | ND(0.00000080) | NA | ND(0.00000085) |
| 1,2,3,4,6,7,8-HpCDF | NA | ND(0.00024) | ND(0.0000017) | NA | ND(0.00000097) | NA | ND(0.00000054) |
| 1,2,3,4,7,8,9-HpCDF | NA | ND(0.00024) | ND(0.00000031) | NA | ND(0.00000054) | NA | ND(0.0000010) |
| HpCDFs (total) | NA | ND(0.00024) | ND(0.0000017) | NA | ND(0.0000011) | NA | ND(0.0000010) |
| OCDF | NA | ND(0.00023) | ND(0.0000013) | NA | ND(0.0000027) | NA | ND(0.0000013) |
| **Dioxins** | | | | | | | |
| 2,3,7,8-TCDD | NA | ND(0.000012) | ND(0.00000031) | NA | ND(0.00000068) | NA | ND(0.00000038) |
| 1,2,3,7,8-PeCDD | NA | ND(0.000041) | ND(0.00000030) | NA | ND(0.00000043) | NA | ND(0.00000048) |
| PeCDDs (total) | NA | ND(0.000041) | ND(0.0000010) | NA | ND(0.00000043) | NA | ND(0.00000048) |
| 1,2,3,4,7,8-HxCDD | NA | ND(0.000019) | ND(0.00000095) | NA | ND(0.00000075) | NA | ND(0.00000028) |
| 1,2,3,6,7,8-HxCDD | NA | ND(0.000019) | ND(0.00000086) | NA | ND(0.00000068) | NA | ND(0.00000024) |
| 1,2,3,7,8,9-HxCDD | NA | ND(0.000019) | ND(0.00000092) | NA | ND(0.00000070) | NA | ND(0.00000026) |
| HxCDDs (total) | NA | ND(0.000019) | ND(0.00000095) | NA | ND(0.00000075) | NA | ND(0.00000028) |
| 1,2,3,4,6,7,8-HpCDD | NA | ND(0.000011) | ND(0.00000079) | NA | ND(0.00000060) | NA | ND(0.00000038) |
| HpCDDs (total) | NA | ND(0.000011) | ND(0.00000079) | NA | ND(0.0000010) | NA | ND(0.00000044) |
| OCDD | NA | ND(0.000055) | ND(0.0000047) | NA | 0.0000083 j | NA | ND(0.0000023) |
| Total TEQs (WHO TEFs) | NA | 0.000083 | 0.0000011 | NA | 0.00000068 | NA | 0.00000058 |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|
| | Location ID: | 95-26 | 95-26 | E2SC-05 | E2SC-05 | E2SC-06 | E2SC-06 | E2SC-07 |
| | Sample ID: | 223B1214 | 226B1012 | E2SC-05-CS0615 | E2SC-05-SS07 | E2SC-06-CS0615 | E2SC-06-SS08 | E2SC-07-CS0615 |
| | Sample Depth(Feet): | 12-14 | 10-12 | 6-15 | 10-12 | 6-15 | 12-14 | 6-15 |
| | Date Collected: | 03/07/96 | 02/22/96 | 10/25/98 | 10/25/98 | 10/23/98 | 10/23/98 | 10/27/98 |
| **Inorganics** | | | | | | | | |
| Aluminum | | NA | NA | NA | NA | NA | NA | NA |
| Antimony | | ND(0.240) | 0.250 BN | 0.290 B | NA | 0.530 B | NA | 0.160 B |
| Arsenic | | 9.90 | ND(0.390) N* | 7.50 | NA | 5.30 | NA | 4.20 |
| Barium | | 20.6 B | 15.7 BE | 35.3 | NA | 42.1 | NA | 11.7 B |
| Beryllium | | 0.0900 B | 0.200 BN | 0.370 B | NA | 0.330 B | NA | 0.270 B |
| Cadmium | | 0.170 B | ND(0.0300) N | 0.290 B | NA | 0.450 B | NA | ND(0.520) |
| Calcium | | NA | NA | NA | NA | NA | NA | NA |
| Chromium | | 10.4 | 8.00 E | 10.9 | NA | 12.4 | NA | 0.40 |
| Cobalt | | 15.4 | 5.90 BEN | 12.8 | NA | 8.80 | NA | 0.10 |
| Copper | | 950 | 13.4 | 17.3 | NA | 23.6 | NA | 14.5 |
| Cyanide | | ND(0.680) | ND(0.650) | ND(3.00) | NA | 53.0 | NA | ND(2.60) |
| Iron | | NA | NA | NA | NA | NA | NA | NA |
| Lead | | 10.8 | 5.60 | 10.7 | NA | 47.1 | NA | 6.80 |
| Magnesium | | NA | NA | NA | NA | NA | NA | NA |
| Manganese | | NA | NA | NA | NA | NA | NA | NA |
| Mercury | | ND(0.140) | ND(0.110) | 0.0370 B | NA | 0.0640 B | NA | 0.130 |
| Nickel | | 72.7 | 11.5 E | 10.2 | NA | 16.2 | NA | 12.8 |
| Potassium | | NA | NA | NA | NA | NA | NA | NA |
| Selenium | | 0.400 B | ND(0.340) N | ND(0.590) | NA | 1.30 | NA | ND(0.520) |
| Silver | | ND(0.0900) | ND(0.0960) | ND(1.20) | NA | ND(1.30) | NA | ND(1.00) |
| Sodium | | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | | NA | NA | ND(237) | NA | 444 | NA | ND(209) |
| Thallium | | ND(0.470) | ND(0.460) | ND(1.20) | NA | 2.10 | NA | 0.840 B |
| Tin | | 0.820 B | 1.30 BN | ND(11.9) | NA | ND(13.4) | NA | ND(10.4) |
| Vanadium | | 7.70 | 6.40 BE | 12.1 | NA | 10.0 | NA | 6.60 |
| Zinc | | 347 | 36.0 E | 68.5 | NA | 122 | NA | 37.2 |

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**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-07 | E2SC-14 | E2SC-25 | E2SC-25 | ESA2-TW | X-10 | X-12 |
| Sample ID: | E2SC-07-SS09 | E2SC-14-CS0615 | E2SC-25-CS0615 | E2SC-25-SS09 | ESA2-TW-SB-1 | P2X100204 | P2X120810 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 14-15 | 8-10 | 2-4 | 8-10 |
| Parameter / Date Collected: | 10/27/98 | 10/08/98 | 08/16/99 | 08/16/99 | 05/27/99 | 07/02/91 | 07/03/91 |
| **Volatile Organics** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | NA | ND(0.010) | ND(0.015) |
| 1,1,1-Trichloroethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,1,2,2-Tetrachloroethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.010) | ND(0.015) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | NA | ND(0.010) | ND(0.015) |
| 1,1,2-Trichloroethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,1-Dichloroethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,1-Dichloroethene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,2,3-Trichloropropane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.015) | ND(0.022) |
| 1,2-Dibromo-3-chloropropane | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.15) | ND(0.010) | ND(0.015) |
| 1,2-Dibromoethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,2-Dichlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 1,2-Dichloroethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0070) |
| 1,2-Dichloropropane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| 1,3-Dichlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 1,4-Dichlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | 1.4 J |
| 1,4-Dioxane | ND(0.45) | ND(0.56) | NA | ND(25) | ND(6.0) | NA | NA |
| 2-Butanone | ND(0.018) | ND(0.022) | NA | ND(1.0) | ND(3.0) | ND(0.010) | ND(0.015) |
| 2-Chloro-1,3-butadiene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | NA | NA |
| 2-Chloroethylvinylether | ND(0.045) | ND(0.056) | NA | ND(2.5) | ND(0.15) | ND(0.010) | ND(0.015) |
| 2-Hexanone | ND(0.018) | ND(0.022) | NA | ND(1.0) | ND(0.30) | ND(0.015) | ND(0.022) |
| 3-Chloropropene | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | ND(0.015) | ND(0.022) |
| 4-Methyl-2-pentanone | ND(0.018) | ND(0.022) | NA | ND(1.0) | ND(0.30) | ND(0.015) | ND(0.022) |
| Acetone | 0.018 | ND(0.022) | NA | ND(1.0) | ND(3.0) | 0.010 JB | 0.23 |
| Acetonitrile | ND(0.090) | ND(0.11) | NA | ND(5.0) | ND(3.0) | NA | NA |
| Acrolein | ND(0.090) | ND(0.11) | NA | ND(5.0) | ND(3.0) | ND(0.092) | ND(0.13) |
| Acrylonitrile | ND(0.090) | ND(0.11) | NA | ND(5.0) | ND(0.30) | ND(0.12) | ND(0.18) |
| Benzene | 0.0020 J | ND(0.0056) | NA | ND(0.25) | 13 | ND(0.0050) | ND(0.0070) |
| Bromodichloromethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Bromoform | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.010) | ND(0.015) |
| Bromomethane | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | ND(0.0050) | ND(0.0070) |
| Carbon Disulfide | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.30) | ND(0.0050) | ND(0.0070) |
| Carbon Tetrachloride | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Chlorobenzene | 0.035 | ND(0.0056) | NA | 1.6 | ND(0.15) | 0.68 DE | ND(0.0070) |
| Chloroethane | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | ND(0.010) | ND(0.015) |
| Chloroform | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Chloromethane | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | ND(0.010) | ND(0.015) |
| cis-1,2-Dichloroethene | ND(0.0022) | ND(0.0028) | NA | ND(0.12) | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | ND(0.015) | ND(0.022) |
| Crotonaldehyde | NA | NA | NA | NA | NA | ND(0.10) | ND(0.15) |
| Dibromochloromethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Dibromomethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.010) | ND(0.015) |
| Dichlorodifluoromethane | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | NA | NA |
| Ethyl Methacrylate | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.30) | ND(0.010) | ND(0.015) |
| Ethylbenzene | 0.023 | ND(0.0056) | NA | 2.5 | 23 | 0.0070 | ND(0.0070) |
| Iodomethane | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.010) | ND(0.015) |
| Isobutanol | ND(0.18) | ND(0.22) | NA | ND(10) | ND(6.0) | NA | NA |
| m&p-Xylene | NA | NA | NA | NA | 37 | NA | NA |
| Methacrylonitrile | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.30) | NA | NA |
| Methyl Methacrylate | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.30) | NA | NA |
| Methylene Chloride | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | 0.020 B | 0.090 B |
| Propionitrile | ND(0.018) | ND(0.022) | NA | ND(1.0) | ND(0.15) | NA | NA |
| Styrene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Tetrachloroethene | 0.0015 J | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Toluene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | 31 | ND(0.0050) | ND(0.0070) |
| trans-1,2-Dichloroethene | ND(0.0022) | ND(0.0028) | NA | ND(0.12) | ND(0.15) | NA | NA |
| trans-1,3-Dichloropropene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| trans-1,4-Dichloro-2-butene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.30) | ND(0.015) | ND(0.022) |
| Trichloroethene | ND(0.0045) | ND(0.0056) | NA | ND(0.25) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Trichlorofluoromethane | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.15) | ND(0.0050) | ND(0.0070) |
| Vinyl Acetate | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | ND(0.010) | ND(0.015) |
| Vinyl Chloride | ND(0.0090) | ND(0.011) | NA | ND(0.50) | ND(0.30) | ND(0.010) | ND(0.015) |
| Xylenes (total) | 0.071 | ND(0.0056) | NA | 0.59 | NA | 0.015 | ND(0.0070) |

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-07 | E2SC-14 | E2SC-25 | E2SC-25 | ESA2-TW | X-10 | X-12 |
| Sample ID: | E2SC-07-SS09 | E2SC-14-CS0615 | E2SC-25-CS0615 | E2SC-25-SS09 | ESA2-TW-SB-1 | P2X100204 | P2X120810 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 14-15 | 8-10 | 2-4 | 8-10 |
| Parameter / Date Collected: | 10/27/98 | 10/08/98 | 08/16/99 | 08/16/99 | 05/27/99 | 07/02/91 | 07/03/91 |
| **Semivolatile Organics** | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 1,2,4,5-Tetrachlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 1,2,4-Trichlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 1,3,5-Trinitrobenzene | NA | ND(1.8) | ND(1.9) | NA | ND(12) | ND(6.7) | ND(9.6) |
| 1,3-Dinitrobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(60) | NA | NA |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | ND(6.7) | ND(9.6) |
| 1,4-Naphthoquinone | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 1-Chloronaphthalene | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 1-Methylnaphthalene | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 1-Naphthylamine | NA | ND(0.37) | ND(0.40) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 2,3,4,6-Tetrachlorophenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(6.7) | ND(9.6) |
| 2,4,5-Trichlorophenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(6.7) | ND(9.6) |
| 2,4,6-Trichlorophenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(6.7) | ND(9.6) |
| 2,4-Dichlorophenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 2,4-Dimethylphenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 2,4-Dinitrophenol | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 2,4-Dinitrotoluene | NA | ND(0.37) | ND(0.40) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 2,6-Dichlorophenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(6.7) | ND(9.6) |
| 2,6-Dinitrotoluene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 2-Acetylaminofluorene | NA | ND(0.74) | ND(0.79) | NA | ND(24) | ND(3.3) | ND(4.8) |
| 2-Chloronaphthalene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 2-Chlorophenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 2-Methylnaphthalene | NA | ND(0.37) | 4.1 | NA | 1800 | ND(3.3) | ND(4.8) |
| 2-Methylphenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 2-Naphthylamine | NA | ND(0.37) | ND(0.40) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 2-Nitroaniline | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 2-Nitrophenol | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 2-Picoline | NA | ND(0.74) | ND(0.79) | NA | ND(12) | ND(6.7) | ND(9.6) |
| 3&4-Methylphenol | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| 3,3'-Dichlorobenzidine | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 3,3'-Dimethylbenzidine | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 3-Methylcholanthrene | NA | ND(0.74) | ND(0.79) | NA | ND(24) | ND(3.3) | ND(4.8) |
| 3-Nitroaniline | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 3-Phenylenediamine | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| 4,6-Dinitro-2-methylphenol | NA | ND(1.8) | ND(1.9) | NA | ND(12) | ND(10) | ND(14) |
| 4-Aminobiphenyl | NA | ND(1.8) | 0.17 J | NA | ND(24) | ND(3.3) | ND(4.8) |
| 4-Bromophenyl-phenylether | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 4-Chloro-3-Methylphenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 4-Chloroaniline | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| 4-Chlorobenzilate | NA | ND(0.37) | ND(0.40) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 4-Chlorophenyl-phenylether | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 4-Nitrophenol | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 4-Nitroquinoline-1-oxide | NA | ND(3.7) | ND(4.0) | NA | ND(60) | NA | NA |
| 4-Phenylenediamine | NA | ND(3.7) | ND(4.0) | NA | ND(60) | ND(3.3) | ND(4.8) |
| 5-Nitro-o-toluidine | NA | ND(0.74) | ND(0.79) | NA | ND(60) | ND(6.7) | ND(9.6) |
| 7,12-Dimethylbenz(a)anthracene | NA | ND(0.74) | ND(0.79) | NA | ND(24) | ND(3.3) | ND(4.8) |
| a,a'-Dimethylphenethylamine | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(3.3) | ND(4.8) |
| Acenaphthene | NA | ND(0.37) | 0.64 | NA | 680 | ND(3.3) | ND(4.8) |
| Acenaphthylene | NA | ND(0.37) | 1.2 | NA | 220 | 0.93 J | ND(4.8) |
| Acetophenone | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Aniline | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Anthracene | NA | ND(0.37) | 1.4 | NA | 340 | ND(3.3) | ND(4.8) |
| Aramite | NA | ND(1.8) | ND(1.9) | NA | ND(24) | NA | NA |
| Benzal chloride | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| Benzidine | NA | ND(3.7) | ND(4.0) | NA | ND(24) | ND(3.3) | ND(4.8) |
| Benzo(a)anthracene | NA | ND(0.37) | 2.0 | NA | 190 | 2.2 J | ND(4.8) |
| Benzo(a)pyrene | NA | ND(0.37) | 1.0 | NA | 140 | 2.5 J | ND(4.8) |
| Benzo(b)fluoranthene | NA | ND(0.37) | 0.81 | NA | 100 | 2.1 J | ND(4.8) |
| Benzo(g,h,i)perylene | NA | ND(0.37) | 0.49 | NA | 55 | 1.3 J | ND(4.8) |
| Benzo(k)fluoranthene | NA | ND(0.37) | 0.93 | NA | 38 | 3.1 J | ND(4.8) |
| Benzoic Acid | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| Benzotrichloride | NA | NA | NA | NA | NA | ND(6.7) | ND(9.6) |
| Benzyl Alcohol | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-07 | E2SC-14 | E2SC-25 | E2SC-25 | ESA2-TW | X-10 | X-12 |
| Sample ID: | E2SC-07-SS09 | E2SC-14-CS0615 | E2SC-25-CS0615 | E2SC-25-SS09 | ESA2-TW-SB-1 | P2X100204 | P2X120810 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 14-15 | 8-10 | 2-4 | 8-10 |
| Parameter / Date Collected: | 10/27/98 | 10/08/98 | 08/16/99 | 08/16/99 | 05/27/99 | 07/02/91 | 07/03/91 |
| **Semivolatile Organics (continued)** | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| bis(2-Chloroethoxy)methane | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| bis(2-Chloroethyl)ether | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(6.7) | ND(9.6) |
| bis(2-Chloroisopropyl)ether | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| bis(2-Ethylhexyl)phthalate | NA | 0.28 J | 0.25 J | NA | ND(12) | 0.49 J | ND(4.8) |
| Butylbenzylphthalate | NA | ND(0.37) | ND(0.40) | NA | ND(180) | ND(3.3) | ND(4.8) |
| Chrysene | NA | ND(0.37) | 1.9 | NA | ND(12) | 2.6 J | ND(4.8) |
| Cyclophosphamide | NA | NA | NA | NA | NA | ND(16) | ND(23) |
| Diallate | NA | ND(0.74) | ND(0.79) | NA | ND(24) | ND(3.3) | ND(4.8) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| Dibenzo(a,h)anthracene | NA | ND(0.37) | 0.19 J | NA | ND(24) | ND(3.3) | ND(4.8) |
| Dibenzofuran | NA | ND(0.37) | 0.47 | NA | 59 | ND(3.3) | ND(4.8) |
| Diethylphthalate | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Dimethylphthalate | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Di-n-Butylphthalate | NA | 0.16 J | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Di-n-Octylphthalate | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Diphenylamine | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Ethyl Methanesulfonate | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Fluoranthene | NA | ND(0.37) | 3.6 | NA | 130 | 4.2 | ND(4.8) |
| Fluorene | NA | ND(0.15) | 2.6 | NA | 420 | ND(3.3) | ND(4.8) |
| Hexachlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Hexachlorobutadiene | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| Hexachlorocyclopentadiene | NA | ND(1.8) | ND(1.9) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Hexachloroethane | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Hexachlorophene | NA | NA | NA | NA | ND(240) | NA | NA |
| Hexachloropropene | NA | ND(1.5) | ND(1.6) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Indeno(1,2,3-cd)pyrene | NA | ND(0.37) | 0.45 | NA | 59 | 0.95 J | ND(4.8) |
| Isodrin | NA | NA | NA | NA | ND(12) | NA | NA |
| Isophorone | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Isosafrole | NA | ND(0.74) | ND(0.79) | NA | ND(24) | ND(6.7) | ND(9.6) |
| Methapyrilene | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(6.7) | ND(9.6) |
| Methyl Methanesulfonate | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Naphthalene | NA | ND(0.37) | 2.9 | NA | 1700 | ND(3.3) | 1.1 J |
| Nitrobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| N-Nitrosodiethylamine | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| N-Nitrosodimethylamine | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| N-Nitroso-di-n-butylamine | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| N-Nitroso-di-n-propylamine | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| N-Nitrosodiphenylamine | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| N-Nitrosomethylethylamine | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| N-Nitrosomorpholine | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| N-Nitrosopiperidine | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| N-Nitrosopyrrolidine | NA | ND(0.37) | ND(0.40) | NA | ND(24) | ND(3.3) | ND(4.8) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | ND(12) | NA | NA |
| o-Toluidine | NA | ND(0.74) | ND(0.79) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Paraldehyde | NA | NA | NA | NA | NA | ND(3.3) | ND(4.8) |
| p-Dimethylaminoazobenzene | NA | ND(0.74) | ND(0.79) | NA | ND(60) | ND(3.3) | ND(4.8) |
| Pentachlorobenzene | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Pentachloroethane | NA | ND(1.8) | ND(1.9) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Pentachloronitrobenzene | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(3.3) | ND(4.8) |
| Pentachlorophenol | NA | ND(1.8) | ND(1.9) | NA | ND(60) | ND(6.7) | ND(9.6) |
| Phenacetin | NA | ND(0.74) | ND(0.79) | NA | ND(60) | ND(3.3) | ND(4.8) |
| Phenanthrene | NA | ND(0.37) | 9.4 | NA | 1200 | 2.7 J | ND(4.8) |
| Phenol | NA | ND(0.37) | ND(0.40) | NA | ND(12) | ND(3.3) | 0.64 J |
| Pronamide | NA | ND(0.74) | ND(0.79) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Pyrene | NA | ND(0.37) | 6.1 | NA | 780 | 6.2 | ND(4.8) |
| Pyridine | NA | ND(0.74) | ND(0.79) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Safrole | NA | ND(0.74) | ND(0.79) | NA | ND(12) | ND(3.3) | ND(4.8) |
| Thionazin | NA | NA | NA | NA | ND(12) | ND(3.3) | ND(4.8) |
| Total Phenols | NA | NA | NA | NA | NA | 0.98 | 9.1 |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-07 | E2SC-14 | E2SC-25 | E2SC-25 | ESA2-TW | X-10 | X-12 |
| Sample ID: | E2SC-07-SS09 | E2SC-14-CS0615 | E2SC-25-CS0615 | E2SC-25-SS09 | ESA2-TW-SB-1 | P2X100204 | P2X120810 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 14-15 | 8-10 | 2-4 | 8-10 |
| Parameter / Date Collected: | 10/27/98 | 10/08/98 | 08/16/99 | 08/16/99 | 05/27/99 | 07/02/91 | 07/03/91 |
| **Organochlorine Pesticides** | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | ND(0.070) | ND(0.0035) |
| 4,4'-DDE | NA | NA | NA | NA | NA | ND(0.070) | ND(0.0035) |
| 4,4'-DDT | NA | NA | NA | NA | NA | ND(0.070) | ND(0.0035) |
| Aldrin | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Alpha-BHC | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Beta-BHC | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Delta-BHC | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Dieldrin | NA | NA | NA | NA | NA | ND(0.030) | ND(0.0015) |
| Endosulfan I | NA | NA | NA | NA | NA | ND(0.030) | ND(0.0015) |
| Endosulfan II | NA | NA | NA | NA | NA | ND(0.070) | ND(0.0035) |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | ND(0.040) | ND(0.0020) |
| Endrin | NA | NA | NA | NA | NA | ND(0.050) | ND(0.0025) |
| Endrin Aldehyde | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Heptachlor | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Kepone | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) |
| Methoxychlor | NA | NA | NA | NA | NA | ND(0.070) | ND(0.0035) |
| Technical Chlordane | NA | NA | NA | NA | NA | ND(0.080) | ND(0.0040) |
| Toxaphene | NA | NA | NA | NA | NA | ND(0.40) | ND(0.020) |
| **Organophosphate Pesticides** | | | | | | | |
| Dimethoate | NA | NA | NA | NA | NA | ND(0.0096) | ND(0.010) |
| Disulfoton | NA | NA | NA | NA | NA | ND(0.0096) | ND(0.010) |
| Ethyl Parathion | NA | NA | NA | NA | NA | ND(0.0096) | ND(0.010) |
| Famphur | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | ND(0.0096) | ND(0.010) |
| Phorate | NA | NA | NA | NA | NA | ND(0.0096) | ND(0.010) |
| Sulfotep | NA | NA | NA | NA | NA | ND(0.0096) | ND(0.010) |
| **Herbicides** | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | ND(0.025) | ND(0.037) |
| 2,4,5-TP | NA | NA | NA | NA | NA | ND(0.025) | ND(0.037) |
| 2,4-D | NA | NA | NA | NA | NA | ND(0.10) | ND(0.15) |
| Dinoseb | NA | ND(0.74) | ND(0.79) | NA | NA | NA | NA |
| **Furans** | | | | | | | |
| 2,3,7,8-TCDF | NA | ND(0.00000042) | 0.0000011 Jg | NA | 0.000057 | NA | NA |
| 1,2,3,7,8-PeCDF | NA | ND(0.00000025) | ND(0.00000028) | NA | ND(0.000020) | NA | NA |
| 2,3,4,7,8-PeCDF | NA | ND(0.00000025) | ND(0.00000057) | NA | 0.000018 | NA | NA |
| PeCDFs (total) | NA | ND(0.00000064) | ND(0.0000097) | NA | 0.00017 | NA | NA |
| 1,2,3,4,7,8-HxCDF | NA | ND(0.00000019) | 0.0000036 J | NA | 0.000020 J | NA | NA |
| 1,2,3,6,7,8-HxCDF | NA | ND(0.00000014) | ND(0.0000015) | NA | ND(0.000030) | NA | NA |
| 1,2,3,7,8,9-HxCDF | NA | ND(0.00000023) | ND(0.00000057) | NA | ND(0.000030) | NA | NA |
| 2,3,4,6,7,8-HxCDF | NA | ND(0.00000019) | ND(0.00000029) | NA | 0.000015 J | NA | NA |
| HxCDFs (total) | NA | ND(0.00000023) | 0.0000036 | NA | 0.000035 | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | NA | ND(0.00000031) | ND(0.0000029) | NA | 0.000040 | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | NA | ND(0.00000043) | ND(0.0000019) | NA | 0.0000064 J | NA | NA |
| HpCDFs (total) | NA | ND(0.00000043) | 0.0000042 | NA | 0.000046 | NA | NA |
| OCDF | NA | ND(0.00000072) | 0.0000092 J | NA | ND(0.000071) | NA | NA |
| **Dioxins** | | | | | | | |
| 2,3,7,8-TCDD | NA | ND(0.00000029) | ND(0.00000059) | NA | ND(0.000012) | NA | NA |
| 1,2,3,7,8-PeCDD | NA | ND(0.00000047) | ND(0.00000083) | NA | ND(0.000012) | NA | NA |
| PeCDDs (total) | NA | ND(0.0000023) | ND(0.00000083) | NA | 0.0000085 | NA | NA |
| 1,2,3,4,7,8-HxCDD | NA | ND(0.00000086) | ND(0.00000096) | NA | ND(0.000030) | NA | NA |
| 1,2,3,6,7,8-HxCDD | NA | ND(0.00000060) | ND(0.00000090) | NA | ND(0.000030) | NA | NA |
| 1,2,3,7,8,9-HxCDD | NA | ND(0.00000068) | ND(0.00000084) | NA | ND(0.000030) | NA | NA |
| HxCDDs (total) | NA | ND(0.00000086) | ND(0.00000096) | NA | 0.000030 | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | NA | ND(0.00000052) | ND(0.0000024) | NA | 0.000053 | NA | NA |
| HpCDDs (total) | NA | ND(0.00000052) | ND(0.0000024) | NA | 0.000093 | NA | NA |
| OCDD | NA | ND(0.0000011) | 0.0000086 JB | NA | 0.00039 | NA | NA |
| Total TEQs (WHO TEFs) | NA | 0.00000062 | 0.0000016 | NA | 0.000040 | NA | NA |

**TABLE B-2**
**HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-07 | E2SC-14 | E2SC-25 | E2SC-25 | ESA2-TW | X-10 | X-12 |
| Sample ID: | E2SC-07-SS09 | E2SC-14-CS0615 | E2SC-25-CS0615 | E2SC-25-SS09 | ESA2-TW-SB-1 | P2X100204 | P2X120810 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 14-15 | 8-10 | 2-4 | 8-10 |
| Parameter / Date Collected: | 10/27/98 | 10/08/98 | 08/16/99 | 08/16/99 | 05/27/99 | 07/02/91 | 07/03/91 |
| Inorganics | | | | | | | |
| Aluminum | NA | NA | NA | NA | NA | 7190 | 10300 |
| Antimony | NA | 0.130 B | 0.450 B | NA | ND(0.880) | ND(3.30) N | ND(4.90) N |
| Arsenic | NA | 7.40 | 7.00 | NA | 5.90 | 5.50 N | 10.3 N |
| Barium | NA | 24.6 | 11.6 B | NA | 32.6 | 33.6 | 73.1 |
| Beryllium | NA | 0.280 B | 0.170 B | NA | 0.220 | 0.210 B | 0.380 B |
| Cadmium | NA | 0.0990 B | 0.100 B | NA | 0.530 | 0.630 | ND(0.590) |
| Calcium | NA | NA | NA | NA | NA | 18100 E* | 11700 E* |
| Chromium | NA | 11.8 | 20.5 | NA | 9.40 | 8.90 | 20.7 |
| Cobalt | NA | 13.4 | 16.4 | NA | 6.90 | 7.30 | 10.9 |
| Copper | NA | 19.2 | 40.2 | NA | 43.5 | 32.2 * | 115 * |
| Cyanide | NA | ND(2.80) | 7.90 | NA | 2.60 | 1.10 | 7.80 |
| Iron | NA | NA | NA | NA | NA | 24200 E | 41700 E |
| Lead | NA | 6.40 | 10.1 | NA | 42.4 | 66.2 | 191 |
| Magnesium | NA | NA | NA | NA | NA | 8460 * | 8260 * |
| Manganese | NA | NA | NA | NA | NA | 540 | 634 |
| Mercury | NA | 0.0120 B | ND(0.120) | NA | 0.280 | 0.610 N* | 2.40 N* |
| Nickel | NA | 21.0 | 24.5 | NA | 15.1 | 16.0 | 24.6 |
| Potassium | NA | NA | NA | NA | NA | 453 B | 755 |
| Selenium | NA | ND(0.560) | 0.620 | NA | ND(0.890) | ND(2.00) N | ND(2.90) WN |
| Silver | NA | ND(1.10) | 0.150 B | NA | ND(0.890) | ND(0.510) N | ND(0.740) N |
| Sodium | NA | NA | NA | NA | NA | 115 B | 164 B |
| Sulfide | NA | ND(56.0) | ND(60.2) | NA | 166 | ND(10.2) | ND(14.7) |
| Thallium | NA | 2.70 | 1.20 | NA | ND(0.880) | ND(0.200) WN | ND(0.290) WN |
| Tin | NA | ND(11.2) | ND(12.0) | NA | ND(53.5) | NA | NA |
| Vanadium | NA | 10.9 | 8.70 | NA | 9.00 | 14.0 | 25.6 |
| Zinc | NA | 64.9 | 68.5 | NA | 77.5 | 98.8 E | 199 E |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-13 | X-14 | X-15 | X-16 | X-18 | X-19 | X-20 | X-4 | X-5 |
| Sample ID: | P2X130002 | P2X140406 | P2X150810 | P2X160810 | P2X181416 | P2X190810 | P2X201012 | P2X040406 | P2X050810 |
| Sample Depth(Feet): | 0-2 | 4-6 | 8-10 | 8-10 | 14-16 | 8-10 | 10-12 | 4-6 | 8-10 |
| Parameter Date Collected: | 07/03/91 | 07/05/91 | 07/05/91 | 07/08/91 | 07/08/91 | 07/09/91 | 07/09/91 | 06/25/91 | 06/25/91 |
| **Volatile Organics** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| 1,1,1-Trichloroethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,1,2,2-Tetrachloroethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| 1,1,2-Trichloroethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,1-Dichloroethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,1-Dichloroethene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,2,3-Trichloropropane | ND(0.020) | ND(0.020) | ND(0.019) | ND(0.020) | ND(0.017) | NA | ND(2.4) | ND(7.5) | ND(4.6) |
| 1,2-Dibromo-3-chloropropane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| 1,2-Dibromoethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,2-Dichlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 0.54 J | 3.0 J |
| 1,2-Dichloroethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | 0.31 J |
| 1,2-Dichloroethene (total) | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,2-Dichloropropane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| 1,3-Dichlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 5.2 | 9.8 |
| 1,4-Dichlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | 0.62 J | ND(670) | NA | 14 | 54 |
| 1,4-Dioxane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| 2-Hexanone | ND(0.020) | ND(0.020) | ND(0.019) | ND(0.020) | ND(0.017) | NA | ND(2.4) | ND(7.5) | ND(4.6) |
| 3-Chloropropene | ND(0.020) | ND(0.020) | ND(0.019) | ND(0.020) | ND(0.017) | NA | ND(2.4) | ND(7.5) | ND(4.6) |
| 4-Methyl-2-pentanone | ND(0.020) | ND(0.020) | ND(0.019) | ND(0.020) | ND(0.017) | NA | ND(2.4) | ND(7.5) | ND(4.6) |
| Acetone | ND(0.013) | 0.0090 JB | 0.0090 JB | 0.010 J | 0.029 | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Acetonitrile | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acrolein | ND(0.12) | ND(0.12) | ND(0.11) | ND(0.12) | ND(0.10) | NA | ND(14) | ND(44) | ND(27) |
| Acrylonitrile | ND(0.16) | ND(0.16) | ND(0.15) | ND(0.16) | ND(0.14) | NA | ND(19) | ND(59) | ND(36) |
| Benzene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Bromodichloromethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Bromoform | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Bromomethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Carbon Disulfide | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Carbon Tetrachloride | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Chlorobenzene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(92) | ND(1.5) |
| Chloroethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Chloroform | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Chloromethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| cis-1,4-Dichloro-2-butene | ND(0.020) | ND(0.020) | ND(0.019) | ND(0.020) | ND(0.017) | NA | ND(2.4) | ND(7.5) | ND(4.6) |
| Crotonaldehyde | ND(0.13) | ND(0.13) | ND(0.12) | ND(0.14) | ND(0.12) | NA | ND(15) | ND(48) | ND(29) |
| Dibromochloromethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Dibromomethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Methacrylate | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | ND(670) | ND(1.5) | ND(1.8) | ND(2.9) |
| Ethylbenzene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | 0.64 J | ND(5.9) | ND(1.5) |
| Iodomethane | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Isobutanol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 0.0090 JB | 0.016 B | 0.012 JB | 0.011 JB | 0.014 B | NA | 0.80 JB | 0.61 J | 1.5 J |
| Propionitrile | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Styrene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | 1.9 | ND(2.5) | ND(1.5) |
| Tetrachloroethene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Toluene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | 0.34 J |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| trans-1,4-Dichloro-2-butene | ND(0.020) | ND(0.020) | ND(0.019) | ND(0.020) | ND(0.017) | NA | ND(2.4) | ND(7.5) | ND(4.6) |
| Trichloroethene | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | 0.48 J |
| Trichlorofluoromethane | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | ND(0.78) | ND(2.5) | ND(1.5) |
| Vinyl Acetate | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Vinyl Chloride | ND(0.013) | ND(0.013) | ND(0.012) | ND(0.014) | ND(0.012) | NA | ND(1.5) | ND(4.8) | ND(2.9) |
| Xylenes (total) | ND(0.0070) | ND(0.0070) | ND(0.0060) | ND(0.0070) | ND(0.0060) | NA | 4.2 | ND(32) | 1.0 J |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-13 | X-14 | X-15 | X-16 | X-18 | X-19 | X-20 | X-4 | X-5 |
| Sample ID: | P2X130002 | P2X140406 | P2X150810 | P2X160810 | P2X181416 | P2X190810 | P2X201012 | P2X040406 | P2X050810 |
| Sample Depth(Feet): | 0-2 | 4-6 | 8-10 | 8-10 | 14-16 | 8-10 | 10-12 | 4-6 | 8-10 |
| Parameter / Date Collected: | 07/03/91 | 07/05/91 | 07/05/91 | 07/08/91 | 07/08/91 | 07/09/91 | 07/09/91 | 06/25/91 | 06/25/91 |
| **Semivolatile Organics** | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 9.8 | 2.6 J |
| 1,2,3,5-Tetrachlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 1.1 JZ | 1.1 JZ |
| 1,2,3-Trichlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | 1.6 J |
| 1,2,4,5-Tetrachlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 1.1 JZ | 1.1 JZ |
| 1,2,4-Trichlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | 0.11 J | ND(670) | NA | 9.4 | 8.7 |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 1,3,5-Trichlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 1.1 J | 3.0 J |
| 1,3,5-Trinitrobenzene | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dinitrobenzene | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 1,4-Naphthoquinone | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 1-Chloronaphthalene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 1-Methylnaphthalene | ND(0.43) | ND(4.3) | 0.13 J | ND(0.38) | 26 E | 57000 D | NA | 0.65 J | 0.48 J |
| 1-Naphthylamine | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 2,3,4,6-Tetrachlorophenol | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 2,4,5-Trichlorophenol | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 2,4,6-Trichlorophenol | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 2,4-Dichlorophenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2,4-Dimethylphenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 1.1 J | 1.4 J |
| 2,4-Dinitrophenol | ND(1.7) | ND(17) | ND(1.6) | ND(1.5) | ND(3.0) | ND(2700) | NA | ND(7.1) | ND(15) |
| 2,4-Dinitrotoluene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2,6-Dichlorophenol | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 2,6-Dinitrotoluene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(340) | NA | ND(1.8) | ND(3.9) |
| 2-Acetylaminofluorene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2-Chloronaphthalene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2-Chlorophenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2-Methylnaphthalene | ND(0.43) | 350 E | 0.049 J | ND(0.38) | 12 | 39000 D | NA | 0.47 J | ND(3.9) |
| 2-Methylphenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 0.52 J | ND(3.9) |
| 2-Naphthylamine | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 2-Nitroaniline | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2-Nitrophenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2-Phenylenediamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 2-Picoline | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 3&4-Methylphenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 1.9 | 1.5 J |
| 3,3'-Dichlorobenzidine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 3,3'-Dimethoxybenzidine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.053) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 3,3'-Dimethylbenzidine | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 3-Methylcholanthrene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 3-Nitroaniline | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 3-Phenylenediamine | ND(0.43) | 350 E | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4,4'-Methylene-bis(2-chloroaniline) | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4,6-Dinitro-2-methylphenol | ND(1.3) | ND(13) | ND(1.2) | ND(1.1) | ND(2.3) | ND(2000) | NA | ND(5.4) | ND(12) |
| 4-Aminobiphenyl | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Bromophenyl-phenylether | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Chloro-3-Methylphenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Chloroaniline | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Chlorobenzilate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Chlorophenyl-phenylether | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 4-Nitrophenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Phenylenediamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| 5-Nitro-o-toluidine | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.43) | ND(0.43) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| a,a'-Dimethylphenethylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Acetanaphthene | ND(0.43) | 9.7 | ND(0.41) | ND(0.38) | 9.8 | 1600 | NA | 0.81 J | 0.49 J |
| Acenaphthylene | 0.045 J | 23 | 0.35 J | ND(0.38) | 4.9 | 16000 D | NA | 0.36 J | ND(3.9) |
| Acetophenone | ND(0.43) | 21 | 0.059 J | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Aniline | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 17 | 5.7 |
| Anthracene | ND(0.43) | 12 | 0.24 J | ND(0.38) | 4.4 | ND(6200) | NA | 1.5 J | 0.67 J |
| Aramite | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzal chloride | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Benzidine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Benzo(a)anthracene | 0.18 J | 66 | 0.91 | 0.38 J | 5.2 | 4100 | NA | 4.5 | 2.2 J |
| Benzo(a)pyrene | 0.23 J | 71 | 0.66 | 0.046 J | 4.8 | 3300 | NA | 4.0 | 2.1 J |
| Benzo(b)fluoranthene | 0.43 Z | 120 EZ | 1.2 Z | 0.045 JZ | 5.2 Z | 3600 | NA | 8.7 Z | 5.3 Z |
| Benzo(g,h,i)perylene | 0.16 J | 45 | 0.47 | ND(0.38) | 2.4 | 1100 | NA | 1.5 J | 1.0 J |
| Benzo(k)fluoranthene | 0.50 Z | 120 EZ | 1.2 Z | 0.045 JZ | 5.2 Z | 3600 | NA | 8.7 Z | 5.3 Z |
| Benzoic Acid | 0.084 JB | 6.9 JB | ND(4.7) | ND(3.8) | ND(7.5) | ND(6600) | NA | ND(18) | ND(39) |
| Benzotrichloride | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| Benzyl Alcohol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-13 | X-14 | X-15 | X-16 | X-18 | X-19 | X-20 | X-4 | X-5 |
| Sample ID: | P2X130002 | P2X140406 | P2X150810 | P2X160810 | P2X181416 | P2X190810 | P2X201012 | P2X040406 | P2X050810 |
| Sample Depth(Feet): | 0-2 | 4-6 | 8-10 | 8-10 | 14-16 | 8-10 | 10-12 | 4-6 | 8-10 |
| Parameter / Date Collected: | 07/03/91 | 07/05/91 | 07/05/91 | 07/08/91 | 07/08/91 | 07/09/91 | 07/09/91 | 06/25/91 | 06/25/91 |
| **Semivolatile Organics (continued)** | | | | | | | | | |
| Benzyl Chloride | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| bis(2-Chloroethoxy)methane | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| bis(2-Chloroethyl)ether | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| bis(2-Chloroisopropyl)ether | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| bis(2-Ethylhexyl)phthalate | 0.15 J | ND(4.3) | 0.20 J | 0.15 JB | 0.28 JB | ND(670) | NA | 0.73 JB | ND(3.9) |
| Butylbenzylphthalate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Chrysene | 0.23 J | 86 E | 0.77 | 0.053 J | 5.0 | 2800 | NA | 4.0 | 2.0 J |
| Cyclophosphamide | ND(2.1) | ND(21) | ND(2.0) | ND(1.8) | ND(3.7) | ND(3400) | NA | ND(8.8) | ND(19) |
| Diallate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Dibenzo(a,h)anthracene | ND(0.43) | 11 | 0.11 J | ND(0.38) | 0.70 J | 350 J | NA | 0.88 J | ND(3.9) |
| Dibenzofuran | ND(0.43) | 14 | ND(0.41) | ND(0.38) | 0.79 | 1500 | NA | 0.78 J | 0.41 J |
| Diethylphthalate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Dimethylphthalate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Di-n-Butylphthalate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 4.1 | ND(3.9) |
| Di-n-Octylphthalate | 0.060 J | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Diphenylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | 190 JZ | NA | ND(1.8) | ND(3.9) |
| Ethyl Methanesulfonate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Fluoranthene | 0.32 J | 180 E | 0.95 | 0.091 J | 10 | 5800 | NA | 8.6 | 2.6 J |
| Fluorene | ND(0.43) | 57 | 0.14 J | ND(0.38) | 6.6 | 9900 | NA | 1.5 J | 0.80 J |
| Hexachlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Hexachlorobutadiene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Hexachlorocyclopentadiene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Hexachloroethane | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Indeno(1,2,3-cd)pyrene | 0.12 J | 29 | 0.34 J | ND(0.38) | 1.5 | 810 | NA | 1.6 J | 0.98 J |
| Isodrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Isosafrole | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| Methapyrilene | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| Methyl Methanesulfonate | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Naphthalene | ND(0.43) | 1100 E | 0.093 J | ND(0.38) | 20 E | 79000 D | NA | 2.2 | 0.53 J |
| Nitrobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitrosodiethylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitrosodimethylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitroso-di-n-butylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitroso-di-n-propylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitrosodiphenylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | 190 JZ | NA | ND(1.8) | ND(3.9) |
| N-Nitrosomethylethylamine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitrosomorpholine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitrosopiperidine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| N-Nitrosopyrrolidine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| o,o,p-Triethylphosphorothioate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| o-Toluidine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Paraldehyde | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| p-Dimethylaminoazobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Pentachlorobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 2.6 | 0.52 J |
| Pentachloroethane | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Pentachloronitrobenzene | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Pentachlorophenol | ND(0.87) | ND(8.7) | ND(0.81) | ND(0.76) | ND(1.5) | ND(1300) | NA | ND(3.6) | ND(7.8) |
| Phenacetin | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Phenanthrene | 0.21 J | 290 E | 0.56 | 0.052 J | 20 E | 33000 D | NA | 6.5 | 2.8 J |
| Phenol | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | 5.8 | 4.0 |
| Pronamide | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Pyrene | 0.32 J | 260 E | 1.8 | 0.18 J | 12 E | 16000 D | NA | 6.6 | 3.5 J |
| Pyridine | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Safrole | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Thionazin | ND(0.43) | ND(4.3) | ND(0.41) | ND(0.38) | ND(0.76) | ND(670) | NA | ND(1.8) | ND(3.9) |
| Total Phenols | 0.61 | 0.67 | ND(0.12) | ND(0.13) | ND(0.12) | 22 | 1.4 | NA | 7.7 |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE B-2**
**HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-13 | X-14 | X-15 | X-16 | X-18 | X-19 | X-20 | X-4 | X-5 |
| Sample ID: | P2X130002 | P2X140406 | P2X150810 | P2X160810 | P2X181416 | P2X190810 | P2X201012 | P2X040406 | P2X050810 |
| Sample Depth(Feet): | 0-2 | 4-6 | 8-10 | 8-10 | 14-16 | 8-10 | 10-12 | 4-6 | 8-10 |
| Parameter / Date Collected: | 07/03/91 | 07/05/91 | 07/05/91 | 07/08/91 | 07/08/91 | 07/09/91 | 07/09/91 | 06/25/91 | 06/25/91 |
| **Organochlorine Pesticides** | | | | | | | | | |
| 4,4'-DDD | ND(0.017) | ND(0.017) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA | ND(0.0035) | ND(0.0041) | ND(1.8) |
| 4,4'-DDE | ND(0.017) | ND(0.017) | 0.0042 | ND(0.0035) | ND(0.0035) | NA | ND(0.0035) | ND(0.0041) | ND(1.8) |
| 4,4'-DDT | ND(0.017) | ND(0.017) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA | ND(0.0035) | ND(0.0041) | ND(1.8) |
| Aldrin | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.0016 | ND(0.0012) | ND(0.50) |
| Alpha-BHC | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Beta-BHC | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Delta-BHC | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Dieldrin | ND(0.0073) | ND(0.0074) | ND(0.0015) | ND(0.0015) | ND(0.0015) | NA | ND(0.0015) | ND(0.0017) | ND(0.75) |
| Endosulfan I | ND(0.0073) | ND(0.0074) | ND(0.0015) | ND(0.0015) | ND(0.0015) | NA | ND(0.0015) | ND(0.0017) | ND(0.75) |
| Endosulfan II | ND(0.017) | ND(0.017) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA | ND(0.0035) | ND(0.0041) | ND(1.8) |
| Endosulfan Sulfate | ND(0.0098) | ND(0.0098) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0023) | ND(1.0) |
| Endrin | ND(0.012) | ND(0.012) | ND(0.0025) | ND(0.0025) | ND(0.0025) | NA | ND(0.0025) | ND(0.0029) | ND(1.2) |
| Endrin Aldehyde | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Heptachlor | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Heptachlor Epoxide | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Kepone | ND(0.0049) | ND(0.0049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0012) | ND(0.50) |
| Methoxychlor | ND(0.017) | ND(0.017) | ND(0.0035) | ND(0.0035) | ND(0.0035) | NA | ND(0.0035) | ND(0.0041) | ND(1.8) |
| Technical Chlordane | ND(0.020) | ND(0.020) | ND(0.0040) | ND(0.0040) | ND(0.0040) | NA | ND(0.0040) | ND(0.0046) | ND(2.0) |
| Toxaphene | ND(0.098) | ND(0.098) | ND(0.020) | ND(0.020) | ND(0.020) | NA | ND(0.020) | ND(0.023) | ND(10) |
| **Organophosphate Pesticides** | | | | | | | | | |
| Dimethoate | ND(0.010) | ND(0.013) | ND(0.012) | ND(0.012) | ND(0.010) | ND(0.050) | ND(0.010) | ND(1.8) | ND(0.012) |
| Disulfoton | ND(0.010) | ND(0.013) | ND(0.012) | ND(0.012) | ND(0.010) | ND(0.050) | ND(0.010) | NA | ND(0.012) |
| Ethyl Parathion | ND(0.010) | ND(0.013) | ND(0.012) | ND(0.012) | ND(0.010) | ND(0.050) | ND(0.010) | NA | ND(0.012) |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | ND(0.010) | ND(0.013) | ND(0.012) | ND(0.012) | ND(0.010) | ND(0.050) | ND(0.010) | NA | ND(0.012) |
| Phorate | ND(0.010) | ND(0.013) | ND(0.012) | ND(0.012) | ND(0.010) | ND(0.050) | ND(0.010) | NA | ND(0.012) |
| Sulfotep | ND(0.010) | ND(0.013) | ND(0.012) | ND(0.012) | ND(0.010) | ND(0.050) | ND(0.010) | NA | ND(0.012) |
| **Herbicides** | | | | | | | | | |
| 2,4,5-T | ND(0.033) | ND(0.033) | ND(0.047) | 0.070 | ND(0.029) | ND(0.042) | ND(0.031) | ND(0.060) | ND(0.060) |
| 2,4,5-TP | ND(0.033) | ND(0.033) | ND(0.038) | 0.072 | ND(0.029) | ND(0.042) | ND(0.031) | ND(0.060) | ND(0.060) |
| 2,4-D | ND(0.13) | ND(0.13) | ND(0.16) | 0.28 | ND(0.12) | ND(0.17) | ND(0.13) | ND(0.24) | ND(0.24) |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | | | |
| 2,3,7,8-TCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PeCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HxCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HpCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| OCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Dioxins** | | | | | | | | | |
| 2,3,7,8-TCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PeCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HxCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HpCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| OCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total TEQs (WHO TEFs) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-13 | X-14 | X-15 | X-16 | X-18 | X-19 | X-20 | X-4 | X-5 |
| Sample ID: | P2X130002 | P2X140406 | P2X150810 | P2X160810 | P2X181416 | P2X190810 | P2X201012 | P2X040406 | P2X050810 |
| Sample Depth(Feet): | 0-2 | 4-6 | 8-10 | 8-10 | 14-16 | 8-10 | 10-12 | 4-6 | 8-10 |
| Parameter / Date Collected: | 07/03/91 | 07/05/91 | 07/05/91 | 07/08/91 | 07/08/91 | 07/09/91 | 07/09/91 | 06/25/91 | 06/25/91 |
| **Inorganics** | | | | | | | | | |
| Aluminum | 10800 | 3460 | 11500 | 17300 | 6040 | 1250 | 13200 | 6090 | 8790 |
| Antimony | ND(4.30) N | ND(4.20) N | ND(4.00) N | ND(4.10) N | ND(3.70) N | ND(5.50) N | ND(4.10) N | ND(7.10) N | 128 N |
| Arsenic | 35.7 AN | 32.2 N | 11.5 N | 9.30 N | 3.60 QN | 17.6 N | 5.20 AN | 6.30 | 16.0 |
| Barium | 59.0 | 43.6 | 22.8 B | 91.2 | 26.6 | 29.9 B | 10.6 B | 359 | 423 |
| Beryllium | 0.290 B | ND(0.130) | 0.220 B | 0.680 | 0.230 B | 0.220 B | 0.150 B | ND(0.220) | 0.300 B |
| Cadmium | ND(0.520) | ND(0.510) | ND(0.480) | ND(0.500) | ND(0.450) | 1.00 | ND(0.500) | ND(0.860) | 19.3 |
| Calcium | 7410 E* | 13700 E* | 42500 E* | 6730 E* | 5910 E* | 6830 E* | 27800 E* | 26800 | 20400 |
| Chromium | 19.3 | 8.60 | 17.7 | 18.1 | 8.10 | 8.60 | 12.3 | 31.7 * | 286 * |
| Cobalt | 10.0 | 2.00 B | 12.2 | 16.2 | 6.00 | 3.00 B | 13.0 | 8.50 B* | 22.3 * |
| Copper | 87.3 * | 14.5 * | 45.4 * | 22.9 * | 9.10 * | 153 * | 25.5 * | 469 * | 4930 * |
| Cyanide | 28.0 | 4.80 | 1.70 | ND(0.620) | 2.20 | 8.20 | ND(0.630) | NA | ND(0.600) |
| Iron | 33300 E | 40300 E | 35200 E | 35400 E | 13800 E | 10700 E | 28900 E | 20500 * | 71400 * |
| Lead | 105 | 95.3 | 4.00 | 1.80 | 1.80 | 363 | 2.20 | 206 | 4410 |
| Magnesium | 7320 * | 4510 * | 25600 * | 7220 * | 5190 * | 1840 * | 18700 * | 5650 | 11700 |
| Manganese | 540 | 282 | 711 | 2040 | 199 | 113 | 694 | 1680 * | 1480 * |
| Mercury | 0.380 N* | 1.40 N* | ND(0.120) N* | ND(0.110) N* | ND(0.110) N* | 2.00 N* | ND(0.120) N* | 94.8 * | 4.10 * |
| Nickel | 23.7 | 1.90 B | 28.4 | 24.3 | 10.7 | 16.4 | 29.8 | 17.2 * | 165 * |
| Potassium | 536 B | 502 B | 406 B | 612 B | 289 B | 279 B | 313 B | 426 B | 652 B |
| Selenium | ND(5.20) N | ND(5.30) N | ND(2.40) N | ND(2.50) WN | ND(0.450) WN | ND(6.50) WN | ND(0.500) WN | ND(0.870) WN | ND(0.940) N |
| Silver | ND(0.650) N | ND(0.640) N | ND(0.610) N | ND(0.620) N | ND(0.560) N | ND(0.830) N | ND(0.620) N | ND(1.10) N | 131 N |
| Sodium | 163 B | 257 B | 108 B | 113 B | 110 B | 200 B | 94.0 B | 242 B | 512 B |
| Sulfide | ND(13.2) | 82.1 | ND(12.3) | ND(12.5) | ND(11.6) | 31.9 | 17.7 | NA | 24.1 |
| Thallium | ND(0.260) WN | ND(0.260) WN | ND(0.240) WN | ND(0.250) WN | ND(0.230) WN | 4.80 N | ND(0.250) WN | ND(0.440) W | ND(0.470) W |
| Tin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | 25.4 | 14.7 | 10.0 | 22.0 | 8.10 | 8.20 B | 9.90 | 16.9 * | 19.6 * |
| Zinc | 133 E | 111 E | 76.6 E | 80.2 E | 43.2 E | 348 E | 77.6 E | 294 | 4190 |

**TABLE B-2**
**HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-6 | X-7 | X-8 | X-9 | Y-10 | Y-13 | Y-14 | Y-15 | Y-18 |
| Sample ID: | P2X060406 | P2X070608 | P2X080204 | P2X090810 | P2Y100204 | P2Y130204 | P2Y140406 | P2Y150204 | P2Y180204 |
| Sample Depth(Feet): | 4-6 | 6-8 | 2-4 | 8-10 | 2-4 | 2-4 | 4-6 | 2-4 | 2-4 |
| Parameter / Date Collected: | 06/25/91 | 06/26/91 | 06/28/91 | 07/01/91 | 06/20/91 | 06/14/91 | 06/14/91 | 06/20/91 | 06/18/91 |
| **Volatile Organics** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| 1,1,1-Trichloroethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,1,2,2-Tetrachloroethane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | ND(0.012) | 0.019 JB | 0.0050 JB | 0.0050 JB | 0.0050 JB | 0.0040 JB | 0.0040 JB | ND(0.057) | ND(0.011) |
| 1,1,2-Trichloroethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,1-Dichloroethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,1-Dichloroethene | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,2,3-Trichloropropane | ND(0.018) | ND(0.087) | ND(0.018) | ND(0.020) | ND(0.017) | ND(0.019) | ND(0.019) | ND(0.086) | ND(0.017) |
| 1,2-Dibromo-3-chloropropane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| 1,2-Dibromoethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,2-Dichlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.15 J | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 1,2-Dichloroethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,2-Dichloroethene (total) | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,2-Dichloropropane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| 1,3-Dichlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 1.3 | ND(0.40) | ND(0.82) | 1.7 J | ND(0.38) |
| 1,4-Dichlorobenzene | ND(2.0) | 1.8 J | ND(3.7) | ND(0.45) | 2.6 | ND(0.40) | ND(0.82) | 5.4 J | ND(0.38) |
| 1,4-Dioxane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| 2-Hexanone | ND(0.018) | ND(0.087) | ND(0.018) | ND(0.020) | ND(0.017) | ND(0.019) | ND(0.019) | ND(0.086) | ND(0.017) |
| 3-Chloropropene | ND(0.018) | ND(0.087) | ND(0.018) | ND(0.020) | ND(0.017) | ND(0.019) | ND(0.019) | ND(0.086) | ND(0.017) |
| 4-Methyl-2-pentanone | ND(0.018) | ND(0.087) | ND(0.018) | ND(0.020) | ND(0.017) | ND(0.019) | ND(0.019) | ND(0.086) | ND(0.017) |
| Acetone | 0.020 | 0.16 | 0.018 B | 0.023 B | 0.017 B | 0.0090 JB | 0.015 B | 0.083 | ND(0.011) |
| Acetonitrile | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acrolein | ND(0.11) | ND(0.52) | ND(0.11) | ND(0.12) | ND(0.10) | ND(0.11) | ND(0.12) | ND(0.52) | ND(0.10) |
| Acrylonitrile | ND(0.14) | ND(0.70) | ND(0.15) | ND(0.16) | ND(0.14) | ND(0.15) | ND(0.15) | ND(0.69) | ND(0.14) |
| Benzene | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Bromodichloromethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Bromoform | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Bromomethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Carbon Disulfide | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Carbon Tetrachloride | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Chlorobenzene | ND(0.0060) | 0.73 | ND(0.0060) | 0.0040 J | 0.013 | ND(0.0060) | ND(0.0060) | 0.27 | ND(0.0060) |
| Chloroethane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Chloroform | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Chloromethane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| cis-1,4-Dichloro-2-butene | ND(0.018) | ND(0.087) | ND(0.018) | ND(0.020) | ND(0.017) | ND(0.019) | ND(0.019) | ND(0.086) | ND(0.017) |
| Crotonaldehyde | ND(0.12) | ND(0.58) | ND(0.12) | ND(0.14) | ND(0.11) | ND(0.12) | ND(0.13) | ND(0.57) | ND(0.11) |
| Dibromochloromethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Dibromomethane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Methacrylate | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Ethylbenzene | ND(0.0060) | 0.14 | 0.019 | 0.0020 J | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.22 | ND(0.0060) |
| Iodomethane | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Isobutanol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 0.035 B | 0.10 | 0.016 B | 0.020 B | 0.016 B | 0.028 B | 0.019 B | 0.094 B | 0.040 B |
| Propionitrile | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Styrene | ND(0.0060) | ND(0.029) | 0.0020 J | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Tetrachloroethene | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Toluene | ND(0.0060) | 0.0090 J | 0.0010 J | ND(0.0070) | ND(0.0060) | 0.0050 J | 0.0020 J | ND(0.029) | ND(0.0060) |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| trans-1,4-Dichloro-2-butene | ND(0.018) | ND(0.087) | ND(0.018) | ND(0.020) | ND(0.017) | ND(0.019) | ND(0.019) | ND(0.086) | ND(0.017) |
| Trichloroethene | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Trichlorofluoromethane | ND(0.0060) | ND(0.029) | ND(0.0060) | ND(0.0070) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.029) | ND(0.0060) |
| Vinyl Acetate | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Vinyl Chloride | ND(0.012) | ND(0.058) | ND(0.012) | ND(0.014) | ND(0.011) | ND(0.012) | ND(0.013) | ND(0.057) | ND(0.011) |
| Xylenes (total) | ND(0.0060) | 0.28 | 0.0060 | ND(0.0070) | 0.0020 J | ND(0.0060) | ND(0.0060) | 1.2 E | ND(0.0060) |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-6 | X-7 | X-8 | X-9 | Y-10 | Y-13 | Y-14 | Y-15 | Y-18 |
| Sample ID: | P2X060406 | P2X070608 | P2X080204 | P2X090810 | P2Y100204 | P2Y130204 | P2Y140406 | P2Y150204 | P2Y180204 |
| Sample Depth(Feet): | 4-6 | 6-8 | 2-4 | 8-10 | 2-4 | 2-4 | 4-6 | 2-4 | 2-4 |
| Parameter / Date Collected: | 06/25/91 | 06/28/91 | 06/28/91 | 07/01/91 | 06/20/91 | 06/14/91 | 06/14/91 | 06/20/91 | 06/18/91 |
| **Semivolatile Organics** | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.30 J | ND(0.40) | 1.2 | 1.5 J | ND(0.38) |
| 1,2,3,5-Tetrachlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | 0.15 J | ND(5.7) | ND(0.38) |
| 1,2,3-Trichlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.063 J | ND(0.40) | 0.31 J | 0.82 J | ND(0.38) |
| 1,2,4,5-Tetrachlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | 0.15 J | ND(5.7) | ND(0.38) |
| 1,2,4-Trichlorobenzene | ND(2.0) | 0.91 J | ND(3.7) | ND(0.45) | 0.29 J | ND(0.40) | 0.46 J | 2.9 J | ND(0.38) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 1,3,5-Trichlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.12 J | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 1,3,5-Trinitrobenzene | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(5.7) | ND(0.76) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dinitrobenzene | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 1,4-Naphthoquinone | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 1-Chloronaphthalene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | 1.0 J | ND(0.38) |
| 1-Methylnaphthalene | 1.2 J | 73 D | 2.7 J | 0.58 | 0.12 J | 0.10 J | 0.68 J | 1.4 J | ND(0.38) |
| 1-Naphthylamine | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 2,3,4,6-Tetrachlorophenol | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 2,4,5-Trichlorophenol | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 2,4,6-Trichlorophenol | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 2,4-Dichlorophenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2,4-Dimethylphenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.095 J | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2,4-Dinitrophenol | ND(7.7) | ND(22) | ND(15) | ND(1.8) | ND(1.5) | ND(1.6) | 0.18 J | ND(5.7) | ND(1.5) |
| 2,4-Dinitrotoluene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2,6-Dichlorophenol | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 2,6-Dinitrotoluene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Acetylaminofluorene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Chloronaphthalene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Chlorophenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Methylnaphthalene | 0.61 J | 71 | 1.4 J | 0.28 J | 0.086 J | 0.068 J | 0.25 J | 0.78 J | ND(0.38) |
| 2-Methylphenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Naphthylamine | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(5.7) | ND(0.76) |
| 2-Nitroaniline | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Nitrophenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Phenylenediamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 2-Picoline | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 3&4-Methylphenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.36 JZ | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 3,3'-Dichlorobenzidine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 3,3'-Dimethoxybenzidine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 3,3'-Dimethylbenzidine | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 3-Methylcholanthrene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 3-Nitroaniline | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 3-Phenylenediamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4,4'-Methylene-bis(2-chloroaniline) | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4,6-Dinitro-2-methylphenol | ND(5.9) | ND(17) | ND(11) | ND(1.3) | ND(1.1) | ND(1.2) | ND(2.5) | ND(5.7) | ND(1.1) |
| 4-Aminobiphenyl | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4-Bromophenyl-phenylether | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4-Chloro-3-Methylphenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4-Chloroaniline | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4-Chlorobenzilate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4-Chlorophenyl-phenylether | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 4-Nitrophenol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | 0.82 J | ND(5.7) | ND(0.38) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Phenylenediamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| 5-Nitro-o-toluidine | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| 7,12-Dimethylbenz(a)anthracene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| a,a'-Dimethylphenethylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Acenaphthene | 0.33 J | 50 | 1.5 J | 0.11 J | 0.85 | 0.068 J | 4.9 | 1.3 J | 0.18 J |
| Acenaphthylene | 1.6 J | 15 | 3.9 | 0.14 J | ND(0.38) | ND(0.40) | 0.24 J | ND(5.7) | 0.050 J |
| Acetophenone | ND(2.0) | ND(5.5) | 0.38 J | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Aniline | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.10 J | ND(0.40) | ND(0.82) | 2.5 J | 0.14 J |
| Anthracene | 0.84 J | 32 | 5.5 | 0.42 J | 1.4 | 0.21 J | 11 | 1.4 J | 0.14 J |
| Aramite | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzal chloride | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Benzidine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Benzo(a)anthracene | 3.2 | 24 | 13 | 0.73 | 2.2 | 2.5 | 12 | 1.7 J | 2.5 |
| Benzo(a)pyrene | 4.5 | 22 | 11 | 0.64 | 2.0 | 2.3 | 11 | 1.0 J | 2.9 |
| Benzo(b)fluoranthene | 7.1 | 32 Z | 23 Z | 1.1 Z | 3.9 Z | 7.5 Z | 28 D | 2.3 JZ | 5.8 Z |
| Benzo(g,h,i)perylene | 23 | 7.1 | 5.2 | 0.29 J | 0.62 | 2.1 | 4.1 | ND(5.7) | 1.6 |
| Benzo(k)fluoranthene | 7.1 | 32 Z | 23 Z | 1.1 Z | 3.9 Z | 7.5 Z | 28 D | 2.3 JZ | 5.8 Z |
| Benzoic Acid | ND(20) | ND(55) | ND(37) | ND(4.5) | ND(3.8) | ND(4.0) | ND(8.2) | ND(57) | ND(3.8) |
| Benzotrichloride | ND(3.0) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| Benzyl Alcohol | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-6 | X-7 | X-8 | X-9 | Y-10 | Y-13 | Y-14 | Y-15 | Y-18 |
| Sample ID: | P2X060406 | P2X070608 | P2X080204 | P2X090810 | P2Y100204 | P2Y130204 | P2Y140406 | P2Y150204 | P2Y180204 |
| Sample Depth(Feet): | 4-6 | 6-8 | 2-4 | 8-10 | 2-4 | 2-4 | 4-6 | 2-4 | 2-4 |
| Parameter / Date Collected: | 06/25/91 | 06/26/91 | 06/28/91 | 07/01/91 | 06/20/91 | 06/14/91 | 06/14/91 | 06/20/91 | 06/18/91 |
| **Semivolatile Organics (continued)** | | | | | | | | | |
| Benzyl Chloride | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| bis(2-Chloroethoxy)methane | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| bis(2-Chloroethyl)ether | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| bis(2-Chloroisopropyl)ether | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| bis(2-Ethylhexyl)phthalate | 0.32 JB | 2.2 JB | 0.51 JB | 0.22 J | ND(0.38) | 0.15 J | 0.27 J | ND(5.7) | ND(0.38) |
| Butylbenzylphthalate | 1.1 J | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Chrysene | 3.8 | 25 | 11 | 0.65 | 2.8 | 3.4 | 11 | 1.6 J | 2.6 |
| Cyclophosphamide | ND(9.5) | ND(27) | ND(18) | ND(2.2) | ND(1.8) | ND(2.0) | ND(4.0) | ND(28) | ND(1.8) |
| Diallate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Dibenzo(a,h)anthracene | 0.92 J | 3.5 J | 1.4 J | 0.083 J | 0.36 J | 1.0 | 2.5 | ND(5.7) | 0.66 |
| Dibenzofuran | ND(2.0) | ND(5.5) | 2.6 J | 0.054 J | 0.63 | 0.051 J | 1.1 | 1.4 J | ND(0.38) |
| Diethylphthalate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Dimethylphthalate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Di-n-Butylphthalate | ND(2.0) | ND(5.5) | 1.2 J | ND(0.45) | ND(0.38) | ND(0.40) | 5.8 | ND(5.7) | 0.056 J |
| Di-n-Octylphthalate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | 0.050 J |
| Diphenylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(11) | ND(0.38) |
| Ethyl Methanesulfonate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Fluoranthene | 3.8 | 47 | 20 | 1.3 | 5.2 | 1.6 | 32 D | 4.5 J | 4.0 |
| Fluorene | 0.76 J | 45 | 3.4 J | 0.35 J | 1.1 | 0.049 J | 2.4 | 2.2 J | 0.042 J |
| Hexachlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Hexachlorobutadiene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Hexachlorocyclopentadiene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Hexachloroethane | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Indeno(1,2,3-cd)pyrene | 1.6 J | 6.3 | 4.3 | 0.25 J | 0.70 | 1.8 | 4.6 | ND(5.7) | 1.4 |
| Isodrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Isosafrole | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| Methapyrilene | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| Methyl Methanesulfonate | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Naphthalene | 0.84 J | 81 D | 2.2 J | 0.97 | 0.098 J | 0.095 J | 0.088 J | 2.1 J | 0.051 J |
| Nitrobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosodiethylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosodimethylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitroso-di-n-butylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitroso-di-n-propylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosodiphenylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosomethylethylamine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosomorpholine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosopiperidine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| N-Nitrosopyrrolidine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| o-Toluidine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Paraldehyde | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| p-Dimethylaminoazobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Pentachlorobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | 0.19 J | ND(0.40) | 0.27 J | ND(11) | ND(0.38) |
| Pentachloroethane | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Pentachloronitrobenzene | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Pentachlorophenol | ND(3.9) | ND(11) | ND(7.4) | ND(0.89) | ND(0.76) | ND(0.81) | ND(1.6) | ND(11) | ND(0.76) |
| Phenacetin | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Phenanthrene | 2.1 | 88 | 26 | 1.9 | 6.1 | 1.4 | ND(0.82) | 8.4 | 1.1 |
| Phenol | ND(2.0) | ND(5.5) | 0.89 J | ND(0.45) | 0.13 J | ND(0.40) | ND(0.82) | ND(5.7) | 0.047 J |
| Pronamide | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Pyrene | 4.6 | 58 | 20 | 1.6 | 4.0 | 2.2 | 25 D | 4.6 J | 3.2 |
| Pyridine | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Safrole | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Thionazin | ND(2.0) | ND(5.5) | ND(3.7) | ND(0.45) | ND(0.38) | ND(0.40) | ND(0.82) | ND(5.7) | ND(0.38) |
| Total Phenols | 3.0 | 0.64 | 0.67 | 0.13 | 7.3 | 0.21 | 0.75 | 16 | ND(0.12) |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-6 | X-7 | X-8 | X-9 | Y-10 | Y-13 | Y-14 | Y-15 | Y-18 |
| Sample ID: | P2X060406 | P2X070608 | P2X080204 | P2X090810 | P2Y100204 | P2Y130204 | P2Y140406 | P2Y150204 | P2Y180204 |
| Sample Depth(Feet): | 4-6 | 6-8 | 2-4 | 8-10 | 2-4 | 2-4 | 4-6 | 2-4 | 2-4 |
| Parameter / Date Collected: | 06/25/91 | 06/26/91 | 06/28/91 | 07/01/91 | 06/20/91 | 06/14/91 | 06/14/91 | 06/20/91 | 06/18/91 |
| **Organochlorine Pesticides** | | | | | | | | | |
| 4,4'-DDD | ND(0.017) | ND(0.0035) | ND(0.069) | NA | ND(0.34) | ND(0.0035) | ND(0.0035) | ND(0.68) | ND(0.0035) |
| 4,4'-DDE | ND(0.017) | ND(0.0035) | ND(0.069) | NA | ND(0.34) | ND(0.0035) | ND(0.0035) | ND(0.68) | ND(0.0035) |
| 4,4'-DDT | ND(0.017) | ND(0.0035) | ND(0.069) | NA | ND(0.34) | ND(0.0035) | ND(0.0035) | ND(0.68) | ND(0.0035) |
| Aldrin | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Alpha-BHC | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Beta-BHC | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Delta-BHC | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Dieldrin | ND(0.0074) | ND(0.0015) | ND(0.030) | NA | ND(0.15) | ND(0.0015) | ND(0.0015) | ND(0.29) | ND(0.0015) |
| Endosulfan I | ND(0.0074) | ND(0.0015) | ND(0.030) | NA | ND(0.15) | ND(0.0015) | ND(0.0015) | ND(0.29) | ND(0.0015) |
| Endosulfan II | ND(0.017) | ND(0.0035) | ND(0.069) | NA | ND(0.34) | ND(0.0035) | ND(0.0035) | ND(0.68) | ND(0.0035) |
| Endosulfan Sulfate | ND(0.0099) | ND(0.0020) | ND(0.040) | NA | ND(0.20) | ND(0.0020) | ND(0.0020) | ND(0.39) | ND(0.0020) |
| Endrin | ND(0.012) | ND(0.0025) | ND(0.050) | NA | ND(0.24) | ND(0.0025) | ND(0.0025) | ND(0.49) | ND(0.0025) |
| Endrin Aldehyde | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Heptachlor | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Heptachlor Epoxide | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Kepone | ND(0.0049) | ND(0.0010) | ND(0.020) | NA | ND(0.098) | ND(0.0010) | ND(0.0010) | ND(0.20) | ND(0.0010) |
| Methoxychlor | ND(0.017) | ND(0.0035) | ND(0.069) | NA | ND(0.34) | ND(0.0035) | ND(0.0035) | ND(0.68) | ND(0.0035) |
| Technical Chlordane | ND(0.020) | ND(0.0040) | ND(0.079) | NA | ND(0.39) | ND(0.0040) | ND(0.0040) | ND(0.78) | ND(0.0040) |
| Toxaphene | ND(0.099) | ND(0.020) | ND(0.40) | NA | ND(2.0) | ND(0.020) | ND(0.020) | ND(3.9) | ND(0.020) |
| **Organophosphate Pesticides** | | | | | | | | | |
| Dimethoate | ND(0.011) | ND(5.5) | ND(0.010) | ND(0.010) | ND(0.012) | ND(0.40) | ND(0.82) | ND(0.010) | ND(0.010) |
| Disulfoton | ND(0.011) | NA | ND(0.010) | ND(0.010) | ND(0.012) | NA | NA | ND(0.010) | ND(0.010) |
| Ethyl Parathion | ND(0.011) | NA | ND(0.010) | ND(0.010) | ND(0.012) | NA | NA | ND(0.010) | ND(0.010) |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | ND(0.011) | NA | ND(0.010) | ND(0.010) | ND(0.012) | NA | NA | ND(0.010) | ND(0.010) |
| Phorate | ND(0.011) | NA | ND(0.010) | ND(0.010) | ND(0.012) | NA | NA | ND(0.010) | ND(0.010) |
| Sulfotep | ND(0.011) | NA | ND(0.010) | ND(0.010) | ND(0.012) | NA | NA | ND(0.010) | ND(0.010) |
| **Herbicides** | | | | | | | | | |
| 2,4,5-T | ND(0.030) | 0.069 | ND(0.031) | ND(0.033) | ND(0.29) | ND(0.031) | ND(0.032) | ND(0.11) | ND(0.029) |
| 2,4,5-TP | ND(0.030) | ND(0.029) | ND(0.031) | ND(0.033) | ND(0.29) | ND(0.031) | ND(0.032) | ND(0.11) | ND(0.029) |
| 2,4-D | ND(0.12) | ND(0.12) | ND(0.12) | ND(0.13) | ND(1.2) | ND(0.12) | ND(0.13) | ND(0.46) | ND(0.11) |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | | | |
| 2,3,7,8-TCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PeCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HxCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HpCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| OCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Dioxins** | | | | | | | | | |
| 2,3,7,8-TCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PeCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HxCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HpCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| OCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total TEQs (WHO TEFs) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | X-6 | X-7 | X-8 | X-9 | Y-10 | Y-13 | Y-14 | Y-15 | Y-18 |
| Sample ID: | P2X060406 | P2X070608 | P2X080204 | P2X090810 | P2Y100204 | P2Y130204 | P2Y140406 | P2Y150204 | P2Y180204 |
| Sample Depth(Feet): | 4-6 | 6-8 | 2-4 | 8-10 | 2-4 | 2-4 | 4-6 | 2-4 | 2-4 |
| Date Collected: | 06/25/91 | 06/26/91 | 06/28/91 | 07/01/91 | 06/20/91 | 06/14/91 | 06/14/91 | 06/20/91 | 06/18/91 |
| **Inorganics** | | | | | | | | | |
| Aluminum | 9590 | 3860 | 7410 | 5330 | 2980 | 13800 | 12400 | 5160 | 7890 |
| Antimony | ND(7.80) N | ND(3.80) N | ND(3.90) N | ND(4.30) N | 13.0 BN | ND(2.70) * | 40.3 * | ND(7.50) N | ND(7.60) N |
| Arsenic | 6.40 A | 2.70 | 0.770 BN | 3.70 AN | 76.5 | 4.90 N | 12.5 N | 14.4 | 13.1 |
| Barium | 47.6 | 14.5 B | 53.9 | 19.3 B | 58.4 | 49.6 N* | 48.3 N* | 106 | 39.9 B |
| Beryllium | 0.330 B | ND(0.110) | 0.220 B | 0.150 B | ND(0.230) | 0.370 B | 0.180 B | ND(0.230) | 0.350 B |
| Cadmium | ND(0.940) | ND(0.460) | 0.630 | ND(0.520) | 2.50 | 0.930 | 1.10 | 1.90 | ND(0.920) |
| Calcium | 11600 | 2500 | 28300 E* | 18300 E* | 12700 | 17500 | 27900 | 10900 | 14300 |
| Chromium | 23.3 * | 5.30 * | 13.8 | 6.90 | 366 * | 19.4 | 33.6 | 212 * | 17.3 * |
| Cobalt | 9.10 B* | 3.40 B* | 7.70 | 6.20 B | 33.9 * | 8.00 | 34.8 | 11.9 * | 7.60 B* |
| Copper | 120 * | 23.3 * | 67.1 * | 13.9 * | 1370 * | 206 | 288 | 348 * | 236 * |
| Cyanide | ND(0.600) | 1.30 | 11.0 | 1.00 | 0.700 | ND(0.610) | ND(0.640) | 1.10 | ND(0.580) |
| Iron | 22500 * | 8880 * | 28600 E | 13500 E | 273000 * | 22900 E | 34400 E | 81700 * | 24100 * |
| Lead | 161 | 19.0 | 176 | 2.80 | 522 | 67.6 * | 208 * | 989 | 63.0 A |
| Magnesium | 9120 | 2620 | 8560 * | 10700 * | 1630 | 11000 | 16000 | 3170 | 8490 |
| Manganese | 393 * | 148 * | 419 | 270 | 7490 * | 454 | 982 | 968 * | 749 * |
| Mercury | 0.460 * | 0.370 * | 0.700 N* | ND(0.120) N* | 1.70 * | ND(0.110) * | 2.00 * | 2.20 * | 5.30 * |
| Nickel | 26.0 * | 7.80 * | 19.2 | 11.5 | 346 * | 18.5 E | 37.0 E | 102 * | 12.8 * |
| Potassium | 480 B | 229 B | 393 B | 285 B | 383 B | 1100 | 583 B | 250 B | 731 B |
| Selenium | ND(0.940) N | ND(0.460) N | ND(0.470) QN | ND(0.520) N | ND(0.920) N | ND(0.370) W | 0.440 BQ | ND(0.910) N | ND(0.920) N |
| Silver | ND(1.20) N | ND(0.570) N | ND(0.600) N | ND(0.660) N | ND(1.10) N | ND(0.620) N | ND(0.640) N | ND(1.10) N | ND(1.10) N |
| Sodium | 594 B | 69.4 B | 129 B | 129 B | 807 B | 168 B | 162 B | 323 B | 454 B |
| Sulfide | 53.6 | ND(11.2) | ND(11.2) | NA | 16.1 | ND(12.3) | ND(12.6) | 113 | ND(11.5) |
| Thallium | ND(0.470) W | ND(0.230) W | ND(0.240) WN | ND(0.260) WN | ND(0.460) W | ND(0.370) W | ND(0.380) W | ND(0.460) W | ND(0.460) W |
| Tin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | 44.1 * | 6.00 * | 16.1 | 6.80 | 21.1 * | 23.7 | 18.7 | 13.9 * | 15.9 * |
| Zinc | 261 | 32.9 | 141 E | 50.7 E | 434 | 209 * | 282 * | 617 | 212 |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4D |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | Y-19 | Y-20 | Y-23 | Y-24 | Y-26 | Y-27 | Y-8 | Y-9 | SLOO5 |
| Sample ID: | P2Y191012 | P2Y200406 | P2Y230204 | P2Y240810 | P2Y260204 | P2Y270406 | P2Y080204 | P2Y090406 | 080598SB14 |
| Sample Depth(Feet): | 10-12 | 4-6 | 2-4 | 8-10 | 2-4 | 4-6 | 2-4 | 4-6 | 1-1.5 |
| Parameter / Date Collected: | 06/19/91 | 06/20/91 | 06/21/91 | 06/24/91 | 06/21/91 | 06/14/91 | 06/12/91 | 06/07/91 | 08/05/98 |
| **Volatile Organics** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.0055) |
| 1,1,1-Trichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.0055) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | 0.0030 JB | ND(0.0055) |
| 1,1,2-Trichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | NA |
| 1,1-Dichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| 1,1-Dichloroethene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| 1,2,3-Trichloropropane | ND(0.019) | ND(0.017) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.018) | ND(0.0055) |
| 1,2-Dibromo-3-chloropropane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.011) |
| 1,2-Dibromoethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| 1,2-Dichlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.058 J | 0.097 J | NA |
| 1,2-Dichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| 1,2-Dichloroethene (total) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | NA |
| 1,2-Dichloropropane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| 1,3-Dichlorobenzene | ND(0.40) | 0.60 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.30 J | ND(0.36) |
| 1,4-Dichlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.76 | ND(0.36) |
| 1,4-Dioxane | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.55) |
| 2-Butanone | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.022) |
| 2-Chloro-1,3-buladiene | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0055) |
| 2-Chloroethylvinylether | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.055) |
| 2-Hexanone | ND(0.019) | ND(0.017) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.018) | ND(0.022) |
| 3-Chloropropene | ND(0.019) | ND(0.017) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.018) | ND(0.011) |
| 4-Methyl-2-pentanone | ND(0.019) | ND(0.017) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.018) | ND(0.022) |
| Acetone | 0.0080 J | 0.056 | 0.018 | 0.015 B | 0.020 B | 0.021 B | 0.015 B | 0.032 B | ND(0.011) |
| Acetonitrile | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.11) |
| Acrolein | ND(0.11) | ND(0.10) | ND(0.11) | ND(0.11) | ND(0.11) | ND(0.10) | ND(0.10) | ND(0.11) | ND(0.11) |
| Acrylonitrile | ND(0.15) | ND(0.14) | ND(0.15) | ND(0.15) | ND(0.15) | ND(0.14) | ND(0.14) | ND(0.15) | ND(0.11) |
| Benzene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Bromodichloromethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Bromoform | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.0055) |
| Bromomethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.011) |
| Carbon Disulfide | ND(0.0060) | 0.0020 J | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.0030 J | ND(0.0055) |
| Carbon Tetrachloride | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Chlorobenzene | ND(0.0060) | 0.0060 | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.013 | ND(0.0055) |
| Chloroethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.011) |
| Chloroform | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Chloromethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.011) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0027) |
| cis-1,3-Dichloropropene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| cis-1,4-Dichloro-2-butene | ND(0.019) | ND(0.017) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.018) | NA |
| Crotonaldehyde | ND(0.12) | ND(0.11) | ND(0.12) | ND(0.12) | ND(0.13) | ND(0.11) | ND(0.11) | ND(0.12) | NA |
| Dibromochloromethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Dibromomethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.0055) |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.011) |
| Ethyl Methacrylate | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.0055) |
| Ethylbenzene | ND(0.0060) | 0.0030 J | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Iodomethane | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.0055) |
| Isobutanol | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.22) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0055) |
| Methyl Methacrylate | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0055) |
| Methylene Chloride | 0.040 | 0.018 B | 0.043 | 0.028 B | 0.078 B | 0.025 B | 0.027 B | 0.033 B | ND(0.0055) |
| Propionitrile | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.022) |
| Styrene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Tetrachloroethene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Toluene | ND(0.0060) | 0.0030 J | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.0080 | 0.0020 J | ND(0.0055) |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0027) |
| trans-1,3-Dichloropropene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| trans-1,4-Dichloro-2-butene | ND(0.019) | ND(0.017) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.017) | ND(0.017) | ND(0.018) | ND(0.0055) |
| Trichloroethene | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |
| Trichlorofluoromethane | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | 0.0040 J | ND(0.0060) | ND(0.011) |
| Vinyl Acetate | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | ND(0.012) | ND(0.011) |
| Vinyl Chloride | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.011) | 0.010 J | ND(0.011) |
| Xylenes (total) | ND(0.0060) | 0.012 | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0055) |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

*PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION*
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4D |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | Y-19 | Y-20 | Y-23 | Y-24 | Y-26 | Y-27 | Y-8 | Y-9 | SLOO5 |
| Sample ID: | P2Y191012 | P2Y200406 | P2Y230204 | P2Y240810 | P2Y260204 | P2Y270406 | P2Y080204 | P2Y090406 | 080598SB14 |
| Sample Depth(Feet): | 10-12 | 4-6 | 2-4 | 8-10 | 2-4 | 4-6 | 2-4 | 4-6 | 1-1.5 |
| Parameter Date Collected: | 06/19/91 | 06/20/91 | 06/21/91 | 06/24/91 | 06/21/91 | 06/14/91 | 06/12/91 | 06/07/91 | 08/05/98 |
| **Semivolatile Organics** | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | ND(0.40) | 0.70 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.18 J | ND(0.36) |
| 1,2,3,5-Tetrachlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.097 JZ | NA |
| 1,2,3-Trichlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.25 J | NA |
| 1,2,4,5-Tetrachlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.097 JZ | NA |
| 1,2,4-Trichlorobenzene | 0.15 J | 1.4 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.35 J | 0.042 J |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.36) |
| 1,2-Diphenylhydrazine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 1,3,5-Trichlorobenzene | ND(0.40) | 0.62 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(1.7) |
| 1,3,5-Trinitrobenzene | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | 0.10 J | NA |
| 1,3-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.36) |
| 1,4-Dinitrobenzene | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | NA |
| 1,4-Naphthoquinone | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(1.7) |
| 1-Chloronaphthalene | ND(0.40) | 1.8 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| 1-Methylnaphthalene | 0.32 J | 7.3 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.081 J | 1.0 | NA |
| 1-Naphthylamine | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| 2,3,4,6-Tetrachlorophenol | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| 2,4,5-Trichlorophenol | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| 2,4,6-Trichlorophenol | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| 2,4-Dichlorophenol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 2,4-Dimethylphenol | 0.055 J | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.053 J | ND(0.38) | ND(0.36) |
| 2,4-Dinitrophenol | ND(1.6) | ND(15) | ND(1.6) | ND(1.6) | ND(1.6) | ND(1.5) | ND(1.5) | ND(1.5) | ND(1.7) |
| 2,4-Dinitrotoluene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 2,6-Dichlorophenol | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| 2,6-Dinitrotoluene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 2-Acetylaminofluorene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.16 J | ND(0.72) |
| 2-Chloronaphthalene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 2-Chlorophenol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 2-Methylnaphthalene | 0.19 J | 5.2 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.049 J | 0.60 | 0.085 J |
| 2-Methylphenol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.042 J | ND(0.36) |
| 2-Naphthylamine | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| 2-Nitroaniline | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(1.7) |
| 2-Nitrophenol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 2-Phenylenediamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| 2-Picoline | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.72) |
| 3&4-Methylphenol | 0.088 J | 0.58 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.046 J | 0.051 J | ND(0.36) |
| 3,3'-Dichlorobenzidine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.40 | ND(1.7) |
| 3,3'-Dimethoxybenzidine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.21 J | NA |
| 3,3'-Dimethylbenzidine | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | 0.10 J | ND(1.7) |
| 3-Methylcholanthrene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.72) |
| 3-Nitroaniline | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(1.7) |
| 3-Phenylenediamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| 4,4'-Methylene-bis(2-chloroaniline) | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| 4,6-Dinitro-2-methylphenol | ND(1.2) | ND(11) | ND(1.2) | ND(1.2) | ND(1.2) | ND(1.1) | ND(1.1) | 0.081 J | ND(1.7) |
| 4-Aminobiphenyl | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.34 J | ND(1.7) |
| 4-Bromophenyl-phenylether | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 4-Chloro-3-Methylphenol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 4-Chloroaniline | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 4-Chlorobenzilate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.32 J | ND(0.36) |
| 4-Chlorophenyl-phenylether | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(1.7) |
| 4-Nitrophenol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(1.7) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA | NA | NA | NA | NA | ND(3.6) |
| 4-Phenylenediamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(3.6) |
| 5-Nitro-o-toluidine | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.72) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.065 J | ND(0.72) |
| a,a'-Dimethylphenethylamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(1.7) |
| Acenaphthene | 0.059 J | 7.7 | ND(0.41) | 0.052 J | ND(0.41) | ND(0.37) | ND(0.37) | 0.25 J | 0.061 J |
| Acenaphthylene | ND(0.40) | 0.82 J | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.21 J | 0.072 J |
| Acetophenone | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.11 J | ND(0.36) |
| Aniline | 0.19 J | 9.0 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.042 J | ND(0.36) |
| Anthracene | 0.083 J | 12 | ND(0.41) | 0.078 J | ND(0.41) | ND(0.37) | 0.13 J | 2.1 | 0.18 J |
| Aramite | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.7) |
| Benzal chloride | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| Benzidine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 2.3 | ND(3.6) |
| Benzo(a)anthracene | 0.26 J | 14 | 0.064 J | 0.26 J | ND(0.41) | ND(0.37) | 2.1 | 0.71 | 0.50 |
| Benzo(a)pyrene | 0.21 J | 11 | 0.069 J | 0.32 J | ND(0.41) | ND(0.37) | 1.6 | 0.72 | 0.57 |
| Benzo(b)fluoranthene | 0.59 Z | 26 Z | 0.16 Z | 0.67 Z | ND(0.41) | ND(0.37) | 5.3 Z | 1.1 | 0.74 |
| Benzo(g,h,i)perylene | 0.17 J | 3.7 J | 0.050 J | 0.24 J | ND(0.41) | ND(0.37) | 1.3 | 0.44 | 0.16 J |
| Benzo(k)fluoranthene | 0.59 Z | 26 Z | 0.16 Z | 0.67 Z | ND(0.41) | ND(0.37) | 5.3 Z | ND(0.38) | 0.47 |
| Benzoic Acid | ND(4.0) | ND(38) | ND(4.1) | ND(4.0) | 0.94 J | ND(3.7) | ND(3.7) | ND(3.8) | NA |
| Benzotrichloride | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | NA |
| Benzyl Alcohol | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4D |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | Y-19 | Y-20 | Y-23 | Y-24 | Y-26 | Y-27 | Y-8 | Y-9 | SLOO5 |
| Sample ID: | P2Y191012 | P2Y200406 | P2Y230204 | P2Y240810 | P2Y260204 | P2Y270406 | P2Y080204 | P2Y090406 | 080598SB14 |
| Sample Depth(Feet): | 10-12 | 4-6 | 2-4 | 8-10 | 2-4 | 4-6 | 2-4 | 4-6 | 1-1.5 |
| Parameter / Date Collected: | 06/19/91 | 06/20/91 | 06/21/91 | 06/24/91 | 06/21/91 | 06/14/91 | 06/12/91 | 06/07/91 | 08/05/98 |
| **Semivolatile Organics (continued)** | | | | | | | | | |
| Benzyl Chloride | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| bis(2-Chloroethoxy)methane | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| bis(2-Chloroethyl)ether | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.36) |
| bis(2-Chloroisopropyl)ether | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| bis(2-Ethylhexyl)phthalate | 0.066 J | 18 B | 0.16 JB | 0.35 JB | 0.15 JB | 0.13 JB | 0.45 B | 0.36 JB | 0.045 J |
| Butylbenzylphthalate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.32 J | ND(0.36) |
| Chrysene | 0.34 J | 16 | 0.078 J | 0.42 | ND(0.41) | ND(0.37) | 2.9 | 0.77 | 0.61 |
| Cyclophosphamide | ND(2.0) | ND(18) | ND(2.0) | ND(2.0) | ND(2.0) | ND(1.8) | ND(1.8) | 1.0 J | NA |
| Diallate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.72) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| Dibenzo(a,h)anthracene | 0.087 J | 2.1 J | ND(0.41) | 0.097 J | ND(0.41) | ND(0.37) | 0.56 | 0.19 J | 0.065 J |
| Dibenzofuran | 0.068 J | 8.5 | ND(0.41) | 0.043 J | ND(0.41) | ND(0.37) | ND(0.37) | 0.31 J | 0.055 J |
| Diethylphthalate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Dimethylphthalate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Di-n-Butylphthalate | 0.12 J | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.052 J | ND(0.38) | 0.033 J |
| Di-n-Octylphthalate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.068 J | 0.042 J | ND(0.36) |
| Diphenylamine | ND(0.40) | 4.8 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 1.1 | ND(0.36) |
| Ethyl Methanesulfonate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Fluoranthene | 0.42 | 44 | 0.083 J | 0.85 | ND(0.41) | ND(0.37) | 2.3 | 1.4 | 1.3 |
| Fluorene | 0.080 J | 13 | ND(0.41) | 0.052 J | ND(0.41) | ND(0.37) | ND(0.37) | 0.54 | 0.076 J |
| Hexachlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Hexachlorobutadiene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Hexachlorocyclopentadiene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(1.7) |
| Hexachloroethane | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(3.6) |
| Indeno(1,2,3-cd)pyrene | 0.14 J | 3.9 | 0.045 J | 0.21 J | ND(0.41) | ND(0.37) | 1.1 | 0.39 | 0.20 J |
| Isodrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Isosafrole | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | ND(0.77) | ND(0.72) |
| Methapyrilene | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | 0.15 J | ND(0.75) | ND(0.74) | 0.61 J | ND(1.7) |
| Methyl Methanesulfonate | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Naphthalene | 0.089 J | 8.5 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.066 J | 0.46 | ND(0.36) |
| Nitrobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitrosodiethylamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitrosodimethylamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitroso-di-n-butylamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitroso-di-n-propylamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitrosodiphenylamine | ND(0.40) | 4.8 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 1.1 | ND(0.36) |
| N-Nitrosomethylethylamine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitrosomorpholine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitrosopiperidine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| N-Nitrosopyrrolidine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| o-Toluidine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.72) |
| Paraldehyde | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| p-Dimethylaminoazobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.39 | ND(0.36) |
| Pentachlorobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.36) |
| Pentachloroethane | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(1.7) |
| Pentachloronitrobenzene | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.16 J | ND(1.7) |
| Pentachlorophenol | ND(0.81) | ND(7.6) | ND(0.82) | ND(0.81) | ND(0.82) | ND(0.75) | ND(0.74) | 0.30 J | ND(1.7) |
| Phenacetin | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.059 J | ND(0.72) |
| Phenanthrene | 0.42 | 47 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | 0.80 | 2.2 | 0.78 |
| Phenol | 0.066 J | 13 | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.053 J | ND(0.36) |
| Pronamide | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | 0.21 J | ND(0.72) |
| Pyrene | 0.45 | 27 | 0.082 J | 0.63 | ND(0.41) | ND(0.37) | 2.6 | 1.8 | 0.74 |
| Pyridine | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.72) |
| Safrole | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | ND(0.72) |
| Thionazin | ND(0.40) | ND(3.8) | ND(0.41) | ND(0.40) | ND(0.41) | ND(0.37) | ND(0.37) | ND(0.38) | NA |
| Total Phenols | ND(0.12) | 10 | ND(0.13) | ND(0.12) | ND(0.13) | ND(0.11) | 1.1 | 0.23 | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4D |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | Y-19 | Y-20 | Y-23 | Y-24 | Y-26 | Y-27 | Y-8 | Y-9 | SL005 |
| Sample ID: | P2Y191012 | P2Y200406 | P2Y230204 | P2Y240810 | P2Y260204 | P2Y270406 | P2Y080204 | P2Y090406 | 080598SB14 |
| Sample Depth(Feet): | 10-12 | 4-6 | 2-4 | 8-10 | 2-4 | 4-6 | 2-4 | 4-6 | 1-1.5 |
| Parameter / Date Collected: | 06/19/91 | 06/20/91 | 06/21/91 | 06/24/91 | 06/21/91 | 06/14/91 | 06/12/91 | 06/07/91 | 08/05/98 |
| **Organochlorine Pesticides** | | | | | | | | | |
| 4,4'-DDD | ND(0.069) | ND(0.17) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.035) | ND(0.069) | NA |
| 4,4'-DDE | ND(0.069) | ND(0.17) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.035) | ND(0.069) | NA |
| 4,4'-DDT | ND(0.069) | ND(0.17) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.035) | ND(0.069) | NA |
| Aldrin | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Alpha-BHC | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Beta-BHC | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Delta-BHC | ND(0.020) | 0.14 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Dieldrin | ND(0.029) | ND(0.074) | ND(0.0015) | ND(0.0015) | ND(0.0015) | ND(0.0015) | ND(0.015) | ND(0.030) | NA |
| Endosulfan I | ND(0.029) | ND(0.074) | ND(0.0015) | ND(0.0015) | ND(0.0015) | ND(0.0015) | ND(0.015) | ND(0.030) | NA |
| Endosulfan II | ND(0.069) | ND(0.17) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.035) | ND(0.069) | NA |
| Endosulfan Sulfate | ND(0.039) | ND(0.098) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.020) | ND(0.040) | NA |
| Endrin | ND(0.049) | ND(0.12) | ND(0.0025) | ND(0.0025) | ND(0.0025) | ND(0.0025) | ND(0.025) | ND(0.050) | NA |
| Endrin Aldehyde | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Heptachlor | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Heptachlor Epoxide | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Kepone | ND(0.020) | ND(0.049) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | ND(0.020) | NA |
| Methoxychlor | ND(0.069) | ND(0.17) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.0035) | ND(0.035) | ND(0.069) | NA |
| Technical Chlordane | ND(0.078) | ND(0.20) | ND(0.0040) | ND(0.0040) | ND(0.0040) | ND(0.0040) | ND(0.040) | ND(0.079) | NA |
| Toxaphene | ND(0.39) | ND(0.98) | 0.55 | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.20) | ND(0.40) | NA |
| **Organophosphate Pesticides** | | | | | | | | | |
| Dimethoate | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.010) | ND(0.010) | NA |
| Disulfoton | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.010) | ND(0.010) | NA |
| Ethyl Parathion | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.010) | ND(0.010) | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.010) | ND(0.010) | NA |
| Phorate | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.010) | ND(0.010) | NA |
| Sulfotep | ND(0.012) | ND(0.012) | ND(0.013) | ND(0.012) | ND(0.013) | ND(0.011) | ND(0.010) | ND(0.010) | NA |
| **Herbicides** | | | | | | | | | |
| 2,4,5-T | ND(0.031) | ND(0.12) | ND(0.031) | ND(0.030) | ND(0.032) | ND(0.029) | ND(0.028) | ND(0.025) | NA |
| 2,4,5-TP | ND(0.031) | ND(0.12) | ND(0.031) | ND(0.030) | ND(0.032) | ND(0.029) | ND(0.028) | ND(0.025) | NA |
| 2,4-D | ND(0.12) | ND(0.46) | ND(0.13) | ND(0.12) | ND(0.13) | ND(0.11) | ND(0.11) | ND(0.10) | NA |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.72) |
| **Furans** | | | | | | | | | |
| 2,3,7,8-TCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.00011 g |
| 1,2,3,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.000034 |
| 2,3,4,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.000033 |
| PeCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | 0.00061 |
| 1,2,3,4,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.000066 |
| 1,2,3,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.000018 F |
| 1,2,3,7,8,9-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00000084) |
| 2,3,4,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.000014 |
| HxCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | 0.00042 |
| 1,2,3,4,6,7,8-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.00016 |
| 1,2,3,4,7,8,9-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.000032 |
| HpCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | 0.00034 |
| OCDF | NA | NA | NA | NA | NA | NA | NA | NA | 0.00018 |
| **Dioxins** | | | | | | | | | |
| 2,3,7,8-TCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.0000016 |
| 1,2,3,7,8-PeCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.0000063 |
| PeCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | 0.000035 |
| 1,2,3,4,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.0000074 |
| 1,2,3,6,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.000011 |
| 1,2,3,7,8,9-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.000012 |
| HxCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | 0.00014 |
| 1,2,3,4,6,7,8-HpCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.000082 |
| HpCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | 0.00015 |
| OCDD | NA | NA | NA | NA | NA | NA | NA | NA | 0.00006 |
| Total TEQs (WHO TEFs) | NA | NA | NA | NA | NA | NA | NA | NA | 0.000053 |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4D |
|---|---|---|---|---|---|---|---|---|---|---|
| | Location ID: | Y-19 | Y-20 | Y-23 | Y-24 | Y-26 | Y-27 | Y-8 | Y-9 | SLOO5 |
| | Sample ID: | P2Y191012 | P2Y200406 | P2Y230204 | P2Y240810 | P2Y260204 | P2Y270406 | P2Y080204 | P2Y090406 | 080598SB14 |
| | Sample Depth(Feet): | 10-12 | 4-6 | 2-4 | 8-10 | 2-4 | 4-6 | 2-4 | 4-6 | 1-1.5 |
| | Date Collected: | 06/19/91 | 06/20/91 | 06/21/91 | 06/24/91 | 06/21/91 | 06/14/91 | 06/12/91 | 06/07/91 | 08/05/98 |
| Inorganics | | | | | | | | | | |
| Aluminum | | 5150 | 11500 | 7630 | 12200 | 15100 | 11400 | 9670 | 8310 | NA |
| Antimony | | ND(4.00) N | ND(7.50) N | ND(8.20) | ND(7.90) | ND(8.10) | ND(7.30) | ND(2.50) * | ND(2.50) * | 8.90 |
| Arsenic | | 4.30 B | 13.5 | 9.80 B | 5.10 | 5.70 | 8.50 | 10.1 N | 22.0 AN | 9.10 |
| Barium | | 38.1 | 71.7 | 87.0 | 35.7 B | 44.2 B | 23.3 B | 61.5 N* | 225 N* | 110 |
| Beryllium | | 0.150 B | 0.630 B | 0.420 B | 0.320 B | 0.340 B | ND(0.220) | 0.260 B | 0.130 B | 0.440 B |
| Cadmium | | ND(0.480) | 1.40 | ND(1.00) | ND(0.960) | ND(0.980) | ND(0.880) | 5.40 | 2.50 | 0.250 B |
| Calcium | | 2930 | 49200 | 2600 | 3500 | 2470 | 785 B | 4460 | 33900 | NA |
| Chromium | | 8.00 * | 8810 * | 82.9 | 13.7 | 15.4 | 11.3 | 13.5 | 29.6 | 52.5 |
| Cobalt | | 10.2 * | 14.8 * | 12.8 | 14.5 | 12.7 | 11.8 | 10.9 | 29.4 | 11.9 |
| Copper | | 86.3 * | 1710 * | 188 | 32.4 | 36.9 | 24.6 | 86.2 | 1500 | 876 |
| Cyanide | | ND(0.610) | 2.10 | ND(0.620) | ND(0.610) | ND(0.630) | ND(0.570) | NA | NA | ND(2.70) |
| Iron | | 14300 * | 50800 * | 34200 | 28500 | 28700 | 25800 | 24600 E | 66700 E | NA |
| Lead | | 70.7 | 34400 | 181 | 32.5 | 36.9 | 17.1 | 56.6 * | 654 * | 802 |
| Magnesium | | 2580 | 11400 | 2490 | 5720 | 5360 | 5280 | 3760 | 18300 | NA |
| Manganese | | 607 * | 1760 * | 696 | 693 | 913 | 670 | 364 | 728 | NA |
| Mercury | | 0.290 * | 2.00 * | 0.020 | ND(0.100) | ND(0.130) | ND(0.100) | ND(0.110) * | 0.210 * | 1.90 |
| Nickel | | 11.8 * | 153 * | 183 | 23.3 | 24.0 | 21.0 | 12.2 E | 53.6 E | 44.3 |
| Potassium | | 342 B | 1000 B | 703 B | 621 B | 802 B | 495 B | 928 | 911 | NA |
| Selenium | | ND(0.480) WN | ND(0.900) N | ND(0.980) | ND(0.950) | ND(1.00) | ND(0.890) | ND(0.340) W | ND(0.340) Q | 1.30 |
| Silver | | ND(0.610) N | ND(1.10) N | ND(1.20) | ND(1.20) | ND(1.20) | ND(1.10) | ND(0.570) N | ND(0.560) N | 0.210 B |
| Sodium | | 238 B | 430 B | 425 B | 313 B | 319 B | 316 B | 141 B | 201 B | NA |
| Sulfide | | ND(12.3) | 20.7 | NA | ND(12.2) | NA | ND(11.4) | ND(11.4) | 57.2 | ND(218) |
| Thallium | | ND(0.240) W | ND(0.450) W | ND(0.490) | ND(0.470) | ND(0.500) | ND(0.450) | ND(0.340) W | ND(0.340) W | 1.30 |
| Tin | | NA | NA | NA | NA | NA | NA | NA | NA | 50.9 |
| Vanadium | | 6.20 * | 27.8 * | 13.4 | 12.3 | 15.0 | 9.90 B | 21.6 | 22.8 | 31.6 |
| Zinc | | 83.3 | 4800 | 217 | 88.0 | 107 | 59.4 | 232 * | 1240 * | 263 |

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | 211S | 95-06 | E2SC-01 | E2SC-02 | E2SC-02 | E2SC-04 | E2SC-04 |
| Sample ID: | 211S0-6 | 206B1416 | E2SC-01-CS0615 | E2SC-02-CS0615 | E2SC-02-SS09 | E2SC-04-CS0615 | E2SC-04-SS09 |
| Sample Depth(Feet): | 0-0.5 | 14-16 | 6-15 | 6-15 | 14-15 | 6-15 | 14-15 |
| Parameter / Date Collected: | 09/17/97 | 02/29/96 | 10/09/98 | 10/21/98 | 10/21/98 | 10/13/98 | 10/13/98 |
| **Volatile Organics** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.021) | ND(1.0) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | ND(0.021) | ND(2.1) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,1,2,2-Tetrachloroethane | ND(0.010) | ND(1.5) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | ND(0.015) | ND(1.2) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,1-Dichloroethane | ND(0.015) | ND(1.5) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,1-Dichloroethene | ND(0.021) | ND(2.9) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,2,3-Trichloropropane | ND(0.021) | ND(1.4) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,2-Dibromo-3-chloropropane | ND(0.052) | ND(4.5) | NA | NA | ND(0.59) | NA | ND(0.012) |
| 1,2-Dibromoethane | ND(0.021) | ND(1.5) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,2-Dichlorobenzene | ND(610) | ND(10) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,2-Dichloroethane | ND(0.010) | ND(1.5) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | ND(0.021) | ND(0.26) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 1,3-Dichlorobenzene | ND(530) | ND(9.0) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,4-Dichlorobenzene | ND(540) | ND(9.2) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,4-Dioxane | ND(53) | 33 J | NA | NA | ND(30) | NA | ND(0.59) |
| 2-Butanone | 0.0050 JB | ND(1.5) | NA | NA | ND(1.2) | NA | ND(0.024) |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | ND(0.30) | NA | ND(0.0059) |
| 2-Chloroethylvinylether | ND(0.015) | ND(2.1) | NA | NA | ND(3.0) | NA | ND(0.059) |
| 2-Hexanone | ND(0.036) | ND(1.8) | NA | NA | ND(1.2) | NA | ND(0.024) |
| 3-Chloropropene | ND(0.015) | ND(2.9) | NA | NA | ND(0.59) | NA | ND(0.012) |
| 4-Methyl-2-pentanone | ND(0.026) | ND(1.8) | NA | NA | ND(1.2) | NA | ND(0.024) |
| Acetone | 0.031 JB | ND(2.1) | NA | NA | 0.42 J | NA | 0.026 |
| Acetonitrile | 0.0040 J | ND(32) | NA | NA | ND(5.9) | NA | ND(0.12) |
| Acrolein | ND(0.24) | ND(16) | NA | NA | ND(5.9) | NA | ND(0.12) |
| Acrylonitrile | ND(0.22) | ND(23) | NA | NA | ND(5.9) | NA | ND(0.12) |
| Benzene | ND(0.015) | ND(1.6) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Bromodichloromethane | ND(0.021) | ND(2.6) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Bromoform | ND(0.015) | ND(1.2) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Bromomethane | ND(0.021) | ND(3.2) | NA | NA | ND(0.59) | NA | ND(0.012) |
| Carbon Disulfide | ND(0.010) | ND(2.9) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Carbon Tetrachloride | ND(0.015) | ND(1.8) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Chlorobenzene | ND(0.015) | ND(1.8) | NA | NA | 0.21 J | NA | ND(0.0059) |
| Chloroethane | ND(0.021) | ND(4.2) | NA | NA | ND(0.59) | NA | ND(0.012) |
| Chloroform | ND(0.015) | ND(1.9) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Chloromethane | ND(0.036) | ND(5.0) | NA | NA | ND(0.59) | NA | ND(0.012) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | ND(0.15) | NA | ND(0.0030) |
| cis-1,3-Dichloropropene | ND(0.010) | ND(1.8) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | NA | NA |
| Crotonaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | ND(0.015) | ND(0.89) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Dibromomethane | ND(0.021) | ND(1.8) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Dichlorodifluoromethane | ND(0.010) | ND(1.9) | NA | NA | ND(0.59) | NA | ND(0.012) |
| Ethyl Methacrylate | ND(0.026) | ND(1.5) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Ethylbenzene | ND(0.015) | 1.9 | NA | NA | 1.3 | NA | ND(0.0059) |
| Iodomethane | ND(0.010) | ND(1.9) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Isobutanol | ND(13) | ND(21) | NA | NA | ND(12) | NA | ND(0.24) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.021) | ND(0.92) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Methyl Methacrylate | ND(0.052) | ND(2.7) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Methylene Chloride | 0.013 JB | 0.47 J | NA | NA | ND(0.30) | NA | 0.0035 J |
| Propionitrile | ND(0.61) | ND(14) | NA | NA | ND(1.2) | NA | ND(0.024) |
| Styrene | ND(0.010) | ND(1.5) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Tetrachloroethene | ND(0.015) | ND(1.3) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Toluene | ND(0.015) | ND(2.3) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| trans-1,2-Dichloroethene | ND(0.015) | ND(2.3) | NA | NA | ND(0.15) | NA | ND(0.0030) |
| trans-1,3-Dichloropropene | ND(0.015) | ND(1.8) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| trans-1,4-Dichloro-2-butene | ND(0.021) | ND(1.8) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Trichloroethene | ND(0.021) | ND(3.2) | NA | NA | ND(0.30) | NA | ND(0.0059) |
| Trichlorofluoromethane | ND(0.021) | ND(3.4) | NA | NA | ND(0.59) | NA | ND(0.012) |
| Vinyl Acetate | ND(0.021) | ND(2.4) | NA | NA | ND(0.59) | NA | ND(0.012) |
| Vinyl Chloride | ND(0.021) | ND(4.4) | NA | NA | ND(0.59) | NA | ND(0.012) |
| Xylenes (total) | 0.0040 J | 1.7 J | NA | NA | 1.6 | NA | ND(0.0059) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | 211S | 95-06 | E2SC-01 | E2SC-02 | E2SC-02 | E2SC-04 | E2SC-04 |
| Sample ID: | 211S0-6 | 206B1416 | E2SC-01-CS0615 | E2SC-02-CS0615 | E2SC-02-SS09 | E2SC-04-CS0615 | E2SC-04-SS09 |
| Sample Depth(Feet): | 0-0.5 | 14-16 | 6-15 | 6-15 | 14-15 | 6-15 | 14-15 |
| Parameter / Date Collected: | 09/17/97 | 02/29/96 | 10/09/98 | 10/21/98 | 10/21/98 | 10/13/98 | 10/13/98 |
| **Semivolatile Organics** | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | ND(870) | NA | NA | NA | NA | NA | NA |
| 1,2,3,5-Tetrachlorobenzene | ND(1400) | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | ND(620) | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetrachlorobenzene | ND(1400) | ND(23) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,2,4-Trichlorobenzene | ND(570) | ND(9.8) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,2-Dinitrobenzene | ND(690) | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(720) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,3,5-Trichlorobenzene | ND(630) | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trinitrobenzene | ND(950) | ND(16) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 1,3-Dinitrobenzene | ND(580) | ND(9.9) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Naphthoquinone | ND(1700) | ND(28) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 1-Chloronaphthalene | ND(1200) | NA | NA | NA | NA | NA | NA |
| 1-Methylnaphthalene | ND(1100) | NA | NA | NA | NA | NA | NA |
| 1-Naphthylamine | ND(1500) | ND(25) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,3,4,6-Tetrachlorophenol | ND(1500) | ND(25) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,4,5-Trichlorophenol | ND(1400) | ND(23) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,4,6-Trichlorophenol | ND(1400) | ND(23) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,4-Dichlorophenol | ND(570) | ND(9.8) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,4-Dimethylphenol | ND(630) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,4-Dinitrophenol | ND(1800) | ND(30) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 2,4-Dinitrotoluene | ND(690) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,6-Dichlorophenol | ND(1200) | ND(21) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2,6-Dinitrotoluene | ND(780) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2-Acetylaminofluorene | ND(740) | ND(13) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| 2-Chloronaphthalene | ND(1000) | ND(17) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2-Chlorophenol | ND(660) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2-Methylnaphthalene | ND(870) | ND(15) | ND(0.38) | 5.5 | NA | ND(0.37) | NA |
| 2-Methylphenol | ND(680) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2-Naphthylamine | ND(900) | ND(15) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2-Nitroaniline | ND(1100) | ND(20) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 2-Nitrophenol | ND(650) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA |
| 2-Picoline | ND(1200) | ND(21) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| 3&4-Methylphenol | ND(1400) | ND(23) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 3,3'-Dichlorobenzidine | ND(520) | ND(8.9) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dimethylbenzidine | ND(1000) | ND(17) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 3-Methylcholanthrene | ND(630) B | ND(11) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| 3-Nitroaniline | ND(720) | ND(12) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 3-Phenylenediamine | ND(690) | ND(12) | NA | NA | NA | NA | NA |
| 4,4'-Methylene-bis(2-chloroaniline) | ND(470) | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(1900) | ND(32) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 4-Aminobiphenyl | ND(430) | ND(7.3) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 4-Bromophenyl-phenylether | ND(780) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 4-Chloro-3-Methylphenol | ND(780) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 4-Chloroaniline | ND(720) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 4-Chlorobenzilate | ND(740) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 4-Chlorophenyl-phenylether | ND(620) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(1100) | ND(20) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 4-Nitrophenol | ND(4700) | ND(80) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| 4-Nitroquinoline-1-oxide | ND(5000) | ND(85) | ND(3.8) | ND(22) | NA | ND(3.7) | NA |
| 4-Phenylenediamine | NA | NA | ND(3.8) | ND(22) | NA | ND(3.7) | NA |
| 5-Nitro-o-toluidine | ND(1900) | ND(18) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| 7,12-Dimethylbenz(a)anthracene | ND(430) | ND(7.3) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| a,a'-Dimethylphenethylamine | ND(690) | ND(12) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Acenaphthene | ND(690) | 1.8 J | ND(0.38) | 6.1 | NA | ND(0.37) | NA |
| Acenaphthylene | ND(700) | ND(12) | ND(0.38) | 0.49 J | NA | ND(0.37) | NA |
| Acetophenone | ND(590) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Aniline | ND(580) | ND(9.9) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Anthracene | 39 J | ND(13) | ND(0.38) | 3.3 | NA | ND(0.37) | NA |
| Aramite | ND(890) B | ND(12) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Benzal chloride | ND(550) | NA | NA | NA | NA | NA | NA |
| Benzidine | ND(1700) B | ND(28) | ND(3.8) | ND(22) | NA | ND(3.7) | NA |
| Benzo(a)anthracene | 120 J | ND(12) | ND(0.38) | 1.7 J | NA | ND(0.37) | NA |
| Benzo(a)pyrene | 100 JB | ND(12) | ND(0.38) | 1.4 J | NA | ND(0.37) | NA |
| Benzo(b)fluoranthene | 120 J | ND(14) | ND(0.38) | 0.94 J | NA | ND(0.37) | NA |
| Benzo(g,h,i)perylene | 79 J | ND(11) | ND(0.38) | 0.73 J | NA | ND(0.37) | NA |
| Benzo(k)fluoranthene | 80 JB | ND(11) | ND(0.38) | 0.50 J | NA | ND(0.37) | NA |
| Benzoic Acid | ND(2000) | NA | NA | NA | NA | NA | NA |
| Benzotrichloride | ND(650) | NA | NA | NA | NA | NA | NA |
| Benzyl Alcohol | ND(570) | ND(9.8) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | 211S | 95-05 | E2SC-01 | E2SC-02 | E2SC-02 | E2SC-04 | E2SC-04 |
| Sample ID: | 211S0-6 | 206B1416 | E2SC-01-CS0615 | E2SC-02-CS0615 | E2SC-02-SS09 | E2SC-04-CS0615 | E2SC-04-SS09 |
| Sample Depth(Feet): | 0-0.5 | 14-15 | 6-15 | 6-15 | 14-15 | 6-15 | 14-15 |
| Parameter / Date Collected: | 09/17/97 | 02/29/96 | 10/09/98 | 10/21/98 | 10/21/98 | 10/13/98 | 10/13/98 |
| **Semivolatile Organics (continued)** | | | | | | | |
| Benzyl Chloride | ND(600) | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(700) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| bis(2-Chloroethyl)ether | ND(610) | ND(10) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| bis(2-Chloroisopropyl)ether | ND(680) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| bis(2-Ethylhexyl)phthalate | ND(780) | ND(13) | 0.062 J | ND(2.2) | NA | 0.14 J | NA |
| Butylbenzylphthalate | ND(710) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Chrysene | 120 JS | ND(9.6) | ND(0.38) | 1.4 J | NA | ND(0.37) | NA |
| Cyclophosphamide | ND(600) | NA | NA | NA | NA | NA | NA |
| Diallate | NA | NA | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Diallate (cis isomer) | ND(690) | ND(12) | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | ND(690) | ND(12) | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | ND(430) | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(450) | ND(7.6) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Dibenzofuran | ND(720) | ND(12) | ND(0.38) | 0.31 J | NA | ND(0.37) | NA |
| Diethylphthalate | ND(750) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Dimethylphthalate | ND(1000) | ND(17) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Di-n-Butylphthalate | 50 J | 0.72 J | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Di-n-Octylphthalate | ND(500) B | ND(8.5) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Diphenylamine | ND(1500) | ND(25) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Ethyl Methanesulfonate | ND(620) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Fluoranthene | 280 J | ND(16) | 0.049 J | 4.4 | NA | ND(0.37) | NA |
| Fluorene | ND(720) | ND(0.84) | ND(0.15) | 3.7 | NA | ND(0.14) | NA |
| Hexachlorobenzene | ND(800) | ND(14) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Hexachlorobutadiene | ND(580) | ND(9.9) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Hexachlorocyclopentadiene | ND(890) | ND(12) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Hexachloroethane | ND(620) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(590) | ND(10) | ND(1.5) | ND(8.6) | NA | ND(1.4) | NA |
| Indeno(1,2,3-cd)pyrene | 56 J | ND(8.2) | ND(0.38) | 0.54 J | NA | ND(0.37) | NA |
| Isodrin | ND(960) | ND(16) | NA | NA | NA | NA | NA |
| Isophorone | ND(710) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Isosafrole | ND(1400) | ND(23) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Methapyrilene | ND(1400) | ND(23) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Methyl Methanesulfonate | ND(730) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Naphthalene | ND(690) | ND(12) | ND(0.38) | 14 | NA | ND(0.37) | NA |
| Nitrobenzene | ND(710) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosodiethylamine | ND(620) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosodimethylamine | ND(690) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitroso-di-n-butylamine | ND(1500) | ND(25) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitroso-di-n-propylamine | ND(630) | ND(11) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosodiphenylamine | ND(1500) | ND(25) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosomethylethylamine | ND(560) | ND(9.6) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosomorpholine | ND(780) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosopiperidine | ND(770) | ND(13) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| N-Nitrosopyrrolidine | ND(550) | ND(9.4) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| o,o,o-Triethylphosphorothioate | ND(5500) | ND(94) | NA | NA | NA | NA | NA |
| o-Toluidine | ND(2100) | ND(35) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Paraldehyde | ND(370) | NA | NA | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | ND(700) | ND(12) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Pentachlorobenzene | ND(890) | ND(12) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Pentachloroethane | ND(860) | ND(15) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Pentachloronitrobenzene | ND(670) | NA | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Pentachlorophenol | ND(1500) | ND(25) | ND(1.8) | ND(11) | NA | ND(1.8) | NA |
| Phenacetin | ND(630) | ND(11) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Phenanthrene | 190 J | 0.71 J | 0.042 J | 11 | NA | ND(0.37) | NA |
| Phenol | ND(590) | ND(10) | ND(0.38) | ND(2.2) | NA | ND(0.37) | NA |
| Pronamide | ND(680) | ND(12) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Pyrene | 250 J | 0.59 J | 0.043 J | 5.2 | NA | ND(0.37) | NA |
| Pyridine | ND(570) | ND(9.8) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Safrole | ND(600) | ND(10) | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| Thionazin | ND(700) | ND(12) | NA | NA | NA | NA | NA |
| Total Phenols | NA | NA | NA | NA | NA | NA | NA |
| Tributylphosphate | ND(690) | NA | NA | NA | NA | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | 211S | 05-06 | E2SC-01 | E2SC-02 | E2SC-02 | E2SC-04 | E2SC-04 |
| Sample ID: | 211S0-6 | 206B1416 | E2SC-01-CS0615 | E2SC-02-CS0615 | E2SC-02-SS09 | E2SC-04-CS0615 | E2SC-04-SS09 |
| Sample Depth(Feet): | 0-0.5 | 14-16 | 6-15 | 6-15 | 14-15 | 6-15 | 14-15 |
| Date Collected: | 09/17/97 | 02/29/96 | 10/09/98 | 10/21/98 | 10/21/98 | 10/13/98 | 10/13/98 |
| **Organochlorine Pesticides** | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | |
| Dimethoate | ND(690) | NA | NA | NA | NA | NA | NA |
| Disulfoton | ND(690) B | NA | NA | NA | NA | NA | NA |
| Ethyl Parathion | ND(690) | NA | NA | NA | NA | NA | NA |
| Famphur | ND(2100) | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | ND(690) B | NA | NA | NA | NA | NA | NA |
| Phorate | ND(690) | NA | NA | NA | NA | NA | NA |
| Sulfotep | ND(690) | NA | NA | NA | NA | NA | NA |
| **Herbicides** | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | NA |
| 2,4-D | NA | NA | NA | NA | NA | NA | NA |
| Dinoseb | NA | NA | ND(0.76) | ND(4.4) | NA | ND(0.73) | NA |
| **Furans** | | | | | | | |
| 2,3,7,8-TCDF | 0.000011 g | ND(0.000035) | ND(0.00000055) | 0.0000017 g | NA | ND(0.00000020) | NA |
| 1,2,3,7,8-PeCDF | 0.0000050 J | ND(0.000063) | ND(0.00000057) | ND(0.00000078) | NA | ND(0.00000019) | NA |
| 2,3,4,7,8-PeCDF | 0.0000082 | ND(0.000063) | ND(0.00000059) | ND(0.0000017) | NA | ND(0.00000020) | NA |
| PeCDFs (total) | 0.000089 | ND(0.0016) X | ND(0.0000026) | 0.000014 | NA | ND(0.00000021) | NA |
| 1,2,3,4,7,8-HxCDF | 0.0000097 | ND(0.00022) X | ND(0.00000042) | 0.000016 | NA | ND(0.00000015) | NA |
| 1,2,3,6,7,8-HxCDF | 0.0000052 J | ND(0.00022) X | ND(0.00000042) | ND(0.0000084) | NA | ND(0.00000015) | NA |
| 1,2,3,7,8,9-HxCDF | ND(0.00000028) | ND(0.000067) | ND(0.00000053) | ND(0.0000013) | NA | ND(0.00000020) | NA |
| 2,3,4,6,7,8-HxCDF | 0.0000042 J | ND(0.000067) | ND(0.00000045) | ND(0.0000010) | NA | ND(0.00000015) | NA |
| HxCDFs (total) | 0.000082 | ND(0.00097) X | ND(0.0000017) | 0.000031 | NA | 0.0000012 | NA |
| 1,2,3,4,6,7,8-HpCDF | 0.000014 | ND(0.00020) X | ND(0.00000073) | 0.000014 | NA | ND(0.0000011) | NA |
| 1,2,3,4,7,8,9-HpCDF | 0.0000031 J | ND(0.00012) X | ND(0.0000019) | 0.000012 | NA | ND(0.00000011) | NA |
| HpCDFs (total) | 0.000032 | 0.00026 J | ND(0.0000028) | 0.000046 | NA | 0.0000041 | NA |
| OCDF | 0.000016 | 0.00083 J | ND(0.0000039) | 0.000047 | NA | ND(0.0000022) | NA |
| **Dioxins** | | | | | | | |
| 2,3,7,8-TCDD | ND(0.00000015) | ND(0.00070) | ND(0.00000055) | ND(0.00000015) | NA | ND(0.00000014) | NA |
| 1,2,3,7,8-PeCDD | ND(0.00000032) | ND(0.000015) | ND(0.00000037) | ND(0.00000068) | NA | ND(0.00000032) | NA |
| PeCDDs (total) | ND(0.00000079) | ND(0.050) X | ND(0.00000077) | ND(0.0000025) | NA | ND(0.00000032) | NA |
| 1,2,3,4,7,8-HxCDD | ND(0.00000024) | ND(0.000081) | ND(0.00000079) | ND(0.00000070) | NA | ND(0.00000036) | NA |
| 1,2,3,6,7,8-HxCDD | ND(0.00000021) | ND(0.000081) | ND(0.00000071) | ND(0.0000012) | NA | ND(0.00000033) | NA |
| 1,2,3,7,8,9-HxCDD | ND(0.00000021) | ND(0.000081) | ND(0.00000071) | ND(0.00000088) | NA | ND(0.00000033) | NA |
| HxCDDs (total) | ND(0.0000014) | ND(0.0010) X | ND(0.00000079) | 0.0000053 | NA | ND(0.00000092) | NA |
| 1,2,3,4,6,7,8-HpCDD | 0.0000064 | ND(0.000053) X | 0.0000055 j | 0.0000043 j | NA | 0.0000032 j | NA |
| HpCDDs (total) | 0.000015 | ND(0.00010) X | 0.0000097 | 0.0000091 | NA | 0.0000070 | NA |
| OCDD | 0.000062 | ND(0.00017) X | 0.000091 | 0.000017 | NA | 0.000032 | NA |
| Total TEQs (WHO TEFs) | 0.0000079 | 0.00042 | 0.00000093 | 0.0000036 | NA | 0.00000042 | NA |

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | 211S | 95-06 | E2SC-01 | E2SC-02 | E2SC-02 | E2SC-04 | E2SC-04 |
| Sample ID: | 211S0-6 | 206B1416 | E2SC-01-CS0615 | E2SC-02-CS0615 | E2SC-02-SS09 | E2SC-04-CS0615 | E2SC-04-SS09 |
| Sample Depth(Feet): | 0-0.5 | 14-16 | 6-15 | 6-15 | 14-15 | 6-15 | 14-15 |
| Parameter / Date Collected: | 09/17/97 | 02/29/96 | 10/09/98 | 10/21/98 | 10/21/98 | 10/13/98 | 10/13/98 |
| **Inorganics** | | | | | | | |
| Aluminum | NA | NA | NA | NA | NA | NA | NA |
| Antimony | ND(0.600) N | 0.410 BN | 0.240 B | 0.290 B | NA | 0.290 B | NA |
| Arsenic | 5.20 | 7.60 | 2.70 | 3.60 | NA | 1.70 | NA |
| Barium | 22.0 B | 18.2 B | 28.6 | 31.0 | NA | 20.7 B | NA |
| Beryllium | 0.240 B | 0.160 B | 0.290 B | 0.330 B | NA | 0.300 B | NA |
| Cadmium | 0.320 B | ND(0.0200) | 0.0830 B | ND(0.660) | NA | 0.0790 B | NA |
| Calcium | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 9.40 | 12.0 | 10.0 | 12.8 | NA | 8.50 | NA |
| Cobalt | NA | 13.1 | 8.80 | 11.1 | NA | 8.40 | NA |
| Copper | 17.4 E | 30.5 | 11.1 | 13.4 | NA | 7.10 | NA |
| Cyanide | ND(0.510) | NA | ND(2.90) | ND(3.30) | NA | ND(2.60) | NA |
| Iron | NA | NA | NA | NA | NA | NA | NA |
| Lead | 15.3 * | 7.80 * | 6.90 | 6.00 | NA | 2.90 | NA |
| Magnesium | NA | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA | NA |
| Mercury | ND(0.0500) | ND(0.120) | 0.0260 B | 0.0420 B | NA | 0.0130 B | NA |
| Nickel | 16.3 | 23.2 | 12.9 | 16.7 | NA | 11.5 | NA |
| Potassium | NA | NA | NA | NA | NA | NA | NA |
| Selenium | 1.10 | 0.500 BN | ND(0.570) | 0.890 | NA | 0.490 B | NA |
| Silver | ND(0.160) | ND(0.0800) | ND(1.10) | ND(1.30) | NA | ND(1.10) | NA |
| Sodium | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | 20.2 B | ND(264) | NA | ND(55.4) | NA |
| Thallium | ND(1.00) | ND(0.420) | 1.90 | 2.00 | NA | 1.10 | NA |
| Tin | ND(1.90) | ND(0.500) | ND(11.5) | ND(13.2) | NA | ND(11.1) | NA |
| Vanadium | 11.8 | 6.90 | 11.0 | 11.1 | NA | 8.60 | NA |
| Zinc | 59.4 | 78.6 N | 55.0 | 58.5 | NA | 44.7 | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-09 | E2SC-09 | E2SC-10 | E2SC-10 | E2SC-11 | E2SC-11 | E2SC-13 |
| Sample ID: | E2SC-09-CS0615 | E2SC-09-SS06 | E2SC-10-CS0105 | E2SC-10-SS03 | E2SC-11-CS0615 | E2SC-11-SS05 | E2SC-13-CS0516 |
| Sample Depth(Feet): | 6-15 | 8-10 | 1-6 | 3-5 | 6-15 | 6-8 | 6-15 |
| Date Collected: | 10/21/98 | 10/21/98 | 10/20/98 | 10/20/98 | 10/09/98 | 10/09/98 | 10/07/98 |
| **Volatile Organics** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,1-Dichloroethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,1-Dichloroethene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,2,3-Trichloropropane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,2-Dibromo-3-chloropropane | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| 1,2-Dibromoethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,2-Dichlorobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,2-Dichloromethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 1,3-Dichlorobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,4-Dichlorobenzene | 1.0 J | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,4-Dioxane | NA | ND(33) | NA | ND(0.54) | NA | ND(0.52) | ND(0.55) |
| 2-Butanone | NA | ND(1.3) | NA | ND(0.022) | NA | ND(0.021) | ND(0.022) |
| 2-Chloro-1,3-butadiene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| 2-Chloroethylvinylether | NA | ND(3.3) | NA | ND(0.054) | NA | ND(0.052) | ND(0.055) |
| 2-Hexanone | NA | ND(1.3) | NA | ND(0.022) | NA | ND(0.021) | ND(0.022) |
| 3-Chloropropene | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| 4-Methyl-2-pentanone | NA | ND(1.3) | NA | ND(0.022) | NA | ND(0.021) | ND(0.022) |
| Acetone | NA | 0.63 J | NA | ND(0.022) | NA | ND(0.021) | 0.052 |
| Acetonitrile | NA | ND(6.6) | NA | ND(0.11) | NA | ND(0.10) | ND(0.11) |
| Acrolein | NA | ND(6.6) | NA | ND(0.11) | NA | ND(0.10) | ND(0.11) |
| Acrylonitrile | NA | ND(6.6) | NA | ND(0.11) | NA | ND(0.10) | ND(0.11) |
| Benzene | NA | 0.13 J | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Bromodichloromethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Bromoform | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Bromomethane | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| Carbon Disulfide | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Carbon Tetrachloride | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Chlorobenzene | NA | 8.5 | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Chloroethane | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| Chloroform | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Chloromethane | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| cis-1,2-Dichloroethene | NA | ND(0.16) | NA | ND(0.0027) | NA | ND(0.0026) | ND(0.0028) |
| cis-1,3-Dichloropropene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | NA | NA |
| Crotonaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Dibromomethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Dichlorodifluoromethane | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| Ethyl Methacrylate | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Ethylbenzene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Iodomethane | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Isobutanol | NA | ND(13) | NA | ND(0.22) | NA | ND(0.21) | ND(0.22) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Methyl Methacrylate | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Methylene Chloride | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Propionitrile | NA | ND(1.3) | NA | ND(0.022) | NA | ND(0.021) | ND(0.022) |
| Styrene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Tetrachloroethene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Toluene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| trans-1,2-Dichloroethene | NA | ND(0.16) | NA | ND(0.0027) | NA | ND(0.0026) | ND(0.0028) |
| trans-1,3-Dichloropropene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| trans-1,4-Dichloro-2-butene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Trichloroethene | NA | ND(0.33) | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |
| Trichlorofluoromethane | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| Vinyl Acetate | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| Vinyl Chloride | NA | ND(0.66) | NA | ND(0.011) | NA | ND(0.010) | ND(0.011) |
| Xylenes (total) | NA | 0.37 | NA | ND(0.0054) | NA | ND(0.0052) | ND(0.0055) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-09 | E2SC-09 | E2SC-10 | E2SC-10 | E2SC-11 | E2SC-11 | E2SC-13 |
| Sample ID: | E2SC-09-CS0615 | E2SC-09-SS06 | E2SC-10-CS0106 | E2SC-10-SS03 | E2SC-11-CS0615 | E2SC-11-SS05 | E2SC-13-CS0516 |
| Sample Depth(Feet): | 6-15 | 8-10 | 1-6 | 3-5 | 6-15 | 6-8 | 6-15 |
| Parameter / Date Collected: | 10/21/98 | 10/21/98 | 10/20/98 | 10/20/98 | 10/09/98 | 10/09/98 | 10/07/98 |
| **Semivolatile Organics** | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetrachlorobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,2,4-Trichlorobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trinitrobenzene | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 1,3-Dinitrobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Naphthoquinone | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 1-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 1-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 1-Naphthylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,3,4,6-Tetrachlorophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,4,5-Trichlorophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,4,6-Trichlorophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,4-Dichlorophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,4-Dimethylphenol | 0.26 J | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,4-Dinitrophenol | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 2,4-Dinitrotoluene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,6-Dichlorophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2,6-Dinitrotoluene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2-Acetylaminofluorene | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| 2-Chloronaphthalene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2-Chlorophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2-Methylnaphthalene | 0.37 J | NA | 0.19 J | NA | ND(0.36) | NA | ND(0.36) |
| 2-Methylphenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2-Naphthylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2-Nitroaniline | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 2-Nitrophenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA |
| 2-Picoline | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| 3&4-Methylphenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 3,3'-Dichlorobenzidine | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dimethylbenzidine | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 3-Methylcholanthrene | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| 3-Nitroaniline | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 3-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 4-Aminobiphenyl | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 4-Bromophenyl-phenylether | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 4-Chloro-3-Methylphenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 4-Chloroaniline | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 4-Chlorobenzilate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 4-Chlorophenyl-phenylether | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 4-Nitrophenol | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| 4-Nitroquinoline-1-oxide | ND(19) | NA | ND(3.6) | NA | ND(3.6) | NA | ND(3.6) |
| 4-Phenylenediamine | ND(19) | NA | ND(3.6) | NA | ND(3.6) | NA | ND(3.6) |
| 5-Nitro-o-toluidine | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| 7,12-Dimethylbenz(a)anthracene | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| a,a'-Dimethylphenethylamine | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Acenaphthene | 2.3 | NA | 0.11 J | NA | ND(0.36) | NA | ND(0.36) |
| Acenaphthylene | ND(1.9) | NA | 0.26 J | NA | ND(0.36) | NA | ND(0.36) |
| Acetophenone | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Aniline | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Anthracene | ND(1.9) | NA | 0.17 J | NA | ND(0.36) | NA | 0.035 J |
| Aramite | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Benzal chloride | NA | NA | NA | NA | NA | NA | NA |
| Benzidine | ND(19) | NA | ND(3.6) | NA | ND(3.6) | NA | ND(3.6) |
| Benzo(a)anthracene | 0.86 J | NA | 0.15 J | NA | ND(0.36) | NA | 0.059 J |
| Benzo(a)pyrene | 0.76 J | NA | 0.12 J | NA | ND(0.36) | NA | 0.078 J |
| Benzo(b)fluoranthene | 0.94 J | NA | 0.14 J | NA | ND(0.36) | NA | ND(0.36) |
| Benzo(g,h,i)perylene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Benzo(k)fluoranthene | 0.40 J | NA | 0.059 J | NA | ND(0.36) | NA | 0.19 J |
| Benzoic Acid | NA | NA | NA | NA | NA | NA | NA |
| Benzotrichloride | NA | NA | NA | NA | NA | NA | NA |
| Benzyl Alcohol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-09 | E2SC-09 | E2SC-10 | E2SC-10 | E2SC-11 | E2SC-11 | E2SC-13 |
| Sample ID: | E2SC-09-CS0615 | E2SC-09-SS06 | E2SC-10-CS0106 | E2SC-10-SS03 | E2SC-11-CS0615 | E2SC-11-SS05 | E2SC-13-CS0516 |
| Sample Depth(Feet): | 6-15 | 8-10 | 1-6 | 3-5 | 6-15 | 6-8 | 6-15 |
| Date Collected: | 10/21/98 | 10/21/98 | 10/20/98 | 10/20/98 | 10/09/98 | 10/09/98 | 10/07/98 |
| **Semivolatile Organics (continued)** | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| bis(2-Chloroethyl)ether | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| bis(2-Chloroisopropyl)ether | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| bis(2-Ethylhexyl)phthalate | 0.20 J | NA | 0.21 J | NA | 0.13 J | NA | 0.62 |
| Butylbenzylphthalate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Chrysene | 1.0 J | NA | 0.14 J | NA | ND(0.36) | NA | 0.091 J |
| Cyclophosphamide | NA | NA | NA | NA | NA | NA | NA |
| Diallate | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | NA | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Dibenzofuran | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Diethylphthalate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Dimethylphthalate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Di-n-Butylphthalate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Di-n-Octylphthalate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Diphenylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Ethyl Methanesulfonate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Fluoranthene | 1.9 | NA | 0.43 | NA | ND(0.36) | NA | 0.22 J |
| Fluorene | ND(0.76) | NA | 0.22 | NA | ND(0.14) | NA | ND(0.14) |
| Hexachlorobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Hexachlorobutadiene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Hexachlorocyclopentadiene | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Hexachloroethane | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(7.6) | NA | ND(1.4) | NA | ND(1.4) | NA | ND(1.4) |
| Indeno(1,2,3-cd)pyrene | 0.18 J | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Isodrin | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Isosafrole | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Methapyrilene | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Methyl Methanesulfonate | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Naphthalene | 2.4 | NA | 0.31 J | NA | ND(0.36) | NA | ND(0.36) |
| Nitrobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosodiethylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosodimethylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitroso-di-n-butylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitroso-di-n-propylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosodiphenylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosomethylethylamine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosomorpholine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosopiperidine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| N-Nitrosopyrrolidine | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | NA | NA | NA |
| o-Toluidine | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Paraldehyde | NA | NA | NA | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Pentachlorobenzene | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Pentachloroethane | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Pentachloronitrobenzene | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Pentachlorophenol | ND(9.3) | NA | ND(1.8) | NA | ND(1.7) | NA | ND(1.8) |
| Phenacetin | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Phenanthrene | ND(1.9) | NA | 0.79 | NA | ND(0.36) | NA | 0.13 J |
| Phenol | ND(1.9) | NA | ND(0.36) | NA | ND(0.36) | NA | ND(0.36) |
| Pronamide | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Pyrene | 1.5 J | NA | 0.32 J | NA | ND(0.36) | NA | 0.15 J |
| Pyridine | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Safrole | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| Thionazin | NA | NA | NA | NA | NA | NA | NA |
| Total Phenols | NA | NA | NA | NA | NA | NA | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-09 | E2SC-09 | E2SC-10 | E2SC-10 | E2SC-11 | E2SC-11 | E2SC-13 |
| Sample ID: | E2SC-09-CS0615 | E2SC-09-SS06 | E2SC-10-CS0106 | E2SC-10-SS03 | E2SC-11-CS0615 | E2SC-11-SS05 | E2SC-13-CS0516 |
| Sample Depth(Feet): | 6-15 | 8-10 | 1-6 | 3-5 | 6-15 | 6-8 | 6-15 |
| Parameter / Date Collected: | 10/21/98 | 10/21/98 | 10/20/98 | 10/20/98 | 10/09/98 | 10/09/98 | 10/07/98 |
| **Organochlorine Pesticides** | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | |
| Dimethoate | NA | NA | NA | NA | NA | NA | NA |
| Disulfoton | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | NA |
| Phorate | NA | NA | NA | NA | NA | NA | NA |
| Sulfotep | NA | NA | NA | NA | NA | NA | NA |
| **Herbicides** | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | NA |
| 2,4-D | NA | NA | NA | NA | NA | NA | NA |
| Dinoseb | ND(3.9) | NA | ND(0.73) | NA | ND(0.71) | NA | ND(0.73) |
| **Furans** | | | | | | | |
| 2,3,7,8-TCDF | 0.000043 g | NA | 0.0000033 g | NA | ND(0.00000027) | NA | ND(0.00000056) |
| 1,2,3,7,8-PeCDF | ND(0.000049) v | NA | ND(0.0000010) | NA | ND(0.00000039) | NA | ND(0.0000012) |
| 2,3,4,7,8-PeCDF | 0.000053 | NA | ND(0.0000014) | NA | ND(0.00000040) | NA | ND(0.00000036) |
| PeCDFs (total) | 0.0023 | NA | 0.000011 | NA | ND(0.00000040) | NA | ND(0.0000040) |
| 1,2,3,4,7,8-HxCDF | 0.00033 | NA | ND(0.0000027) | NA | ND(0.00000049) | NA | ND(0.00000052) |
| 1,2,3,6,7,8-HxCDF | 0.000084 | NA | ND(0.00000090) | NA | ND(0.00000050) | NA | ND(0.00000027) |
| 1,2,3,7,8,9-HxCDF | 0.0000066 j | NA | ND(0.00000018) | NA | ND(0.00000062) | NA | ND(0.00000040) |
| 2,3,4,6,7,8-HxCDF | 0.000096 | NA | ND(0.00000075) | NA | ND(0.00000054) | NA | ND(0.00000034) |
| HxCDFs (total) | 0.0045 | NA | 0.0000043 | NA | ND(0.00000062) | NA | ND(0.0000024) |
| 1,2,3,4,6,7,8-HpCDF | 0.0042 E | NA | 0.0000043 j | NA | ND(0.00000033) | NA | ND(0.00000039) |
| 1,2,3,4,7,8,9-HpCDF | 0.00034 | NA | ND(0.00000049) | NA | ND(0.00000043) | NA | ND(0.00000030) |
| HpCDFs (total) | 0.0082 | NA | 0.0000043 | NA | ND(0.00000043) | NA | ND(0.00000039) |
| OCDF | 0.0027 | NA | ND(0.0000038) | NA | ND(0.00000068) | NA | ND(0.00000070) |
| **Dioxins** | | | | | | | |
| 2,3,7,8-TCDD | 0.000021 | NA | ND(0.00000042) | NA | ND(0.00000034) | NA | ND(0.00000025) |
| 1,2,3,7,8-PeCDD | 0.000048 | NA | ND(0.00000034) | NA | ND(0.00000084) | NA | ND(0.00000056) |
| PeCDDs (total) | 0.00058 | NA | ND(0.0000019) | NA | ND(0.00000084) | NA | ND(0.0000027) |
| 1,2,3,4,7,8-HxCDD | 0.000068 | NA | ND(0.00000041) | NA | ND(0.00000031) | NA | ND(0.00000052) |
| 1,2,3,6,7,8-HxCDD | 0.00011 | NA | ND(0.00000038) | NA | ND(0.00000029) | NA | ND(0.00000036) |
| 1,2,3,7,8,9-HxCDD | 0.00012 | NA | ND(0.00000041) | NA | ND(0.00000029) | NA | ND(0.00000041) |
| HxCDDs (total) | 0.0024 | NA | ND(0.00000073) | NA | ND(0.00000031) | NA | ND(0.0000013) |
| 1,2,3,4,6,7,8-HpCDD | 0.0011 | NA | ND(0.0000018) | NA | ND(0.00000033) | NA | ND(0.00000044) |
| HpCDDs (total) | 0.0025 | NA | ND(0.0000020) | NA | ND(0.00000033) | NA | ND(0.00000044) |
| OCDD | 0.0075 E | NA | 0.000017 | NA | ND(0.0000014) | NA | ND(0.0000021) |
| Total TEQs (WHO TEFs) | 0.00074 | NA | 0.0000014 | NA | 0.00000087 | NA | 0.00000070 |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-09 | E2SC-09 | E2SC-10 | E2SC-10 | E2SC-11 | E2SC-11 | E2SC-13 |
| Sample ID: | E2SC-09-CS0615 | E2SC-09-SS06 | E2SC-10-CS0106 | E2SC-10-SS03 | E2SC-11-CS0615 | E2SC-11-SS05 | E2SC-13-CS0516 |
| Sample Depth(Feet): | 6-15 | 8-10 | 1-6 | 3-5 | 6-15 | 6-8 | 6-15 |
| Parameter / Date Collected: | 10/21/98 | 10/21/98 | 10/20/98 | 10/20/98 | 10/09/98 | 10/09/98 | 10/07/98 |
| **Inorganics** | | | | | | | |
| Aluminum | NA | NA | NA | NA | NA | NA | NA |
| Antimony | 0.630 B | NA | 0.150 B | NA | ND(1.10) | NA | 0.300 B |
| Arsenic | 8.00 | NA | 5.80 | NA | 5.10 | NA | 1.70 |
| Barium | 40.5 | NA | 15.2 B | NA | 13.1 B | NA | 23.3 |
| Beryllium | 0.270 B | NA | 0.140 B | NA | 0.150 B | NA | 0.240 B |
| Cadmium | 0.650 | NA | ND(0.550) | NA | 0.250 B | NA | 0.130 B |
| Calcium | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 22.4 | NA | 8.30 | NA | 7.50 | NA | 8.00 |
| Cobalt | 9.50 | NA | 10.4 | NA | 9.50 | NA | 7.70 |
| Copper | 34.7 | NA | 20.3 | NA | 15.2 | NA | 7.80 |
| Cyanide | ND(2.90) | NA | ND(2.60) | NA | ND(2.70) | NA | ND(2.80) |
| Iron | NA | NA | NA | NA | NA | NA | NA |
| Lead | 54.4 | NA | 9.50 | NA | 5.30 | NA | 5.00 |
| Magnesium | NA | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA | NA |
| Mercury | 0.0810 B | NA | 0.0130 B | NA | ND(0.110) | NA | 0.0230 B |
| Nickel | 16.1 | NA | 16.2 | NA | 13.8 | NA | 13.5 |
| Potassium | NA | NA | NA | NA | NA | NA | NA |
| Selenium | 0.850 | NA | ND(0.550) | NA | ND(1.10) | NA | ND(0.550) |
| Silver | ND(1.20) | NA | ND(1.10) | NA | ND(1.10) | NA | ND(1.10) |
| Sodium | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | ND(234) | NA | ND(221) | NA | ND(53.9) | NA | ND(55.2) |
| Thallium | 2.10 | NA | 1.30 | NA | 1.60 | NA | 2.10 |
| Tin | 20.6 | NA | ND(11.0) | NA | ND(10.8) | NA | ND(11.0) |
| Vanadium | 11.0 | NA | 7.00 | NA | 7.10 | NA | 8.40 |
| Zinc | 88.2 | NA | 52.7 | NA | 51.4 | NA | 53.1 |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-13 | E2SC-16 | E2SC-17 | E2SC-17 | ES2-1 | ES2-6 | X-11 | SL0025 |
| Sample ID: | E2SC-13-SS08 | E2SC-16-CS0615 | E2SC-17-CS0615 | E2SC-17-SS05 | P201B1416 | P206B1416 | P2X110406 | 080798SB17 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 6-8 | 14-16 | 14-16 | 4-6 | 0-0.5 |
| Parameter / Date Collected: | 10/07/98 | 10/08/98 | 10/26/98 | 10/26/98 | 01/16/91 | 01/10/91 | 07/01/91 | 08/07/98 |
| **Volatile Organics** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | ND(0.012) | NA | ND(0.011) | ND(0.0054) |
| 1,1,1-Trichloroethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.012) | NA | ND(0.011) | ND(0.0054) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | 0.0010 J | NA | 0.0040 JB | ND(0.0054) |
| 1,1,2-Trichloroethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | NA |
| 1,1-Dichloroethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| 1,1-Dichloroethene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| 1,2,3-Trichloropropane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.019) | NA | ND(0.016) | ND(0.0054) |
| 1,2-Dibromo-3-chloropropane | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.012) | NA | ND(0.011) | ND(0.011) |
| 1,2-Dibromoethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| 1,2-Dichlorobenzene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 1,2-Dichloroethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | ND(0.0060) | NA | ND(0.0050) | NA |
| 1,2-Dichloropropane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| 1,3-Dichlorobenzene | NA | ND(0.38) | ND(0.39) | NA | 0.21 J | 0.65 J | ND(0.36) | ND(0.35) |
| 1,4-Dichlorobenzene | NA | ND(0.38) | ND(0.39) | NA | 0.19 J | 0.83 J | ND(0.36) | ND(0.35) |
| 1,4-Dioxane | ND(0.56) | ND(0.58) | NA | ND(0.46) | NA | NA | NA | ND(0.54) |
| 2-Butanone | ND(0.022) | ND(0.023) | NA | ND(0.019) | ND(0.012) | NA | ND(0.011) | ND(0.021) |
| 2-Chloro-1,3-butadiene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | NA | NA | NA | ND(0.0054) |
| 2-Chloroethylvinylether | ND(0.056) | ND(0.058) | NA | ND(0.046) | ND(0.012) | NA | ND(0.011) | ND(0.054) |
| 2-Hexanone | ND(0.022) | ND(0.023) | NA | ND(0.019) | ND(0.019) | NA | ND(0.016) | ND(0.021) |
| 3-Chloropropene | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.019) | NA | ND(0.016) | ND(0.011) |
| 4-Methyl-2-pentanone | ND(0.022) | ND(0.023) | NA | ND(0.019) | ND(0.019) | NA | ND(0.016) | ND(0.021) |
| Acetone | ND(0.022) | ND(0.023) | NA | 0.0053 J | 0.065 B | NA | 0.028 B | ND(0.011) |
| Acetonitrile | ND(0.11) | ND(0.12) | NA | ND(0.093) | NA | NA | NA | ND(0.11) |
| Acrolein | ND(0.11) | ND(0.12) | NA | ND(0.093) | ND(0.11) | NA | ND(0.098) | ND(0.11) |
| Acrylonitrile | ND(0.11) | ND(0.12) | NA | ND(0.093) | ND(0.15) | NA | ND(0.13) | ND(0.11) |
| Benzene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Bromodichloromethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Bromoform | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.012) | NA | ND(0.011) | ND(0.0054) |
| Bromomethane | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.0060) | NA | ND(0.0050) | ND(0.011) |
| Carbon Disulfide | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Carbon Tetrachloride | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Chlorobenzene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | 0.058 | NA | ND(0.0050) | ND(0.0054) |
| Chloroethane | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.012) | NA | ND(0.011) | ND(0.011) |
| Chloroform | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Chloromethane | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.012) | NA | ND(0.011) | ND(0.011) |
| cis-1,2-Dichloroethene | ND(0.0028) | ND(0.0029) | NA | ND(0.0023) | NA | NA | NA | ND(0.0027) |
| cis-1,3-Dichloropropene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | ND(0.019) | NA | ND(0.016) | NA |
| Crotonaldehyde | NA | NA | NA | NA | ND(0.12) | NA | ND(0.11) | NA |
| Dibromochloromethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Dibromomethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.012) | NA | ND(0.011) | ND(0.0054) |
| Dichlorodifluoromethane | ND(0.011) | ND(0.012) | NA | ND(0.0093) | NA | NA | NA | ND(0.011) |
| Ethyl Methacrylate | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.012) | ND(1.5) | ND(0.011) | ND(0.0054) |
| Ethylbenzene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | 0.014 | NA | ND(0.0050) | ND(0.0054) |
| Iodomethane | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.012) | NA | ND(0.011) | ND(0.0054) |
| Isobutanol | ND(0.22) | ND(0.23) | NA | ND(0.19) | NA | NA | NA | ND(0.21) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | NA | NA | NA | ND(0.0054) |
| Methyl Methacrylate | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | NA | NA | NA | ND(0.0054) |
| Methylene Chloride | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | 0.047 B | NA | 0.024 B | ND(0.0054) |
| Propionitrile | ND(0.022) | ND(0.023) | NA | ND(0.019) | NA | NA | NA | ND(0.021) |
| Styrene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Tetrachloroethene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Toluene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| trans-1,2-Dichloroethene | ND(0.0028) | ND(0.0029) | NA | ND(0.0023) | NA | NA | NA | ND(0.0027) |
| trans-1,3-Dichloropropene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| trans-1,4-Dichloro-2-butene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.019) | NA | ND(0.016) | ND(0.0054) |
| Trichloroethene | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | ND(0.0060) | NA | ND(0.0050) | ND(0.0054) |
| Trichlorofluoromethane | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.0060) | NA | ND(0.0050) | ND(0.011) |
| Vinyl Acetate | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.012) | NA | ND(0.011) | ND(0.011) |
| Vinyl Chloride | ND(0.011) | ND(0.012) | NA | ND(0.0093) | ND(0.012) | NA | ND(0.011) | ND(0.011) |
| Xylenes (total) | ND(0.0056) | ND(0.0058) | NA | ND(0.0046) | 0.010 | NA | ND(0.0050) | ND(0.0054) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-13 | E2SC-16 | E2SC-17 | E2SC-17 | ES2-1 | ES2-5 | X-11 | SL0025 |
| Sample ID: | E2SC-13-SS08 | E2SC-16-CS0615 | E2SC-17-CS0615 | E2SC-17-SS05 | P201B1416 | P206B1416 | P2X110406 | 080798SB17 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 6-8 | 14-16 | 14-16 | 4-6 | 0-0.5 |
| Parameter / Date Collected: | 10/07/98 | 10/08/98 | 10/26/98 | 10/26/98 | 01/10/91 | 01/10/91 | 07/01/91 | 08/07/98 |
| **Semivolatile Organics** | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 1,2,4,5-Tetrachlorobenzene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 1,2,4-Trichlorobenzene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | ND(0.35) |
| 1,2-Diphenylhydrazine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | 0.066 J | ND(1.5) | ND(0.36) | ND(1.7) |
| 1,3,5-Trinitrobenzene | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | NA |
| 1,3-Dinitrobenzene | NA | ND(0.38) | ND(0.39) | NA | NA | NA | NA | ND(0.35) |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | ND(0.81) | ND(3.0) | ND(0.72) | NA |
| 1,4-Naphthoquinone | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(1.7) |
| 1-Chloronaphthalene | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 1-Methylnaphthalene | NA | NA | NA | NA | 1.5 | ND(1.5) | ND(0.36) | NA |
| 1-Naphthylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| 2,3,4,6-Tetrachlorophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| 2,4,5-Trichlorophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| 2,4,6-Trichlorophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| 2,4-Dichlorophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2,4-Dimethylphenol | NA | 0.22 J | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2,4-Dinitrophenol | NA | ND(1.9) | ND(1.9) | NA | ND(1.6) | ND(5.9) | ND(1.4) | ND(1.7) |
| 2,4-Dinitrotoluene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2,6-Dichlorophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| 2,6-Dinitrotoluene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2-Acetylaminofluorene | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| 2-Chloronaphthalene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2-Chlorophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2-Methylnaphthalene | NA | 0.84 | 0.20 J | NA | 0.045 J | 6.3 | ND(0.36) | ND(0.35) |
| 2-Methylphenol | NA | 0.067 J | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2-Naphthylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| 2-Nitroaniline | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| 2-Nitrophenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 2-Phenylenediamine | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 2-Picoline | NA | ND(0.77) | ND(0.77) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.71) |
| 3&4-Methylphenol | NA | 0.26 J | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 3,3'-Dichlorobenzidine | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 3,3'-Dimethylbenzidine | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(1.7) |
| 3-Methylcholanthrene | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| 3-Nitroaniline | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(1.7) |
| 3-Phenylenediamine | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| 4,6-Dinitro-2-methylphenol | NA | ND(1.9) | ND(1.9) | NA | ND(1.2) | ND(4.5) | ND(1.1) | ND(1.7) |
| 4-Aminobiphenyl | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| 4-Bromophenyl-phenylether | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 4-Chloro-3-Methylphenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 4-Chloroaniline | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 4-Chlorobenzilate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 4-Chlorophenyl-phenylether | NA | ND(0.38) | ND(0.30) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(1.7) |
| 4-Nitrophenol | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| 4-Nitroquinoline-1-oxide | NA | ND(3.8) | ND(3.9) | NA | NA | NA | NA | ND(3.5) |
| 4-Phenylenediamine | NA | ND(3.8) | ND(3.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(3.5) |
| 5-Nitro-o-toluidine | NA | ND(0.77) | ND(0.77) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.71) |
| 7,12-Dimethylbenz(a)anthracene | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| a,a'-Dimethylphenethylamine | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| Acenaphthene | NA | 0.38 | 0.47 | NA | 1.0 | 8.3 | ND(0.36) | ND(0.35) |
| Acenaphthylene | NA | 2.4 | 0.14 J | NA | 0.10 J | 0.54 J | ND(0.36) | ND(0.35) |
| Acetophenone | NA | ND(0.38) | 0.048 J | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Aniline | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | 0.21 J |
| Anthracene | NA | 4.5 | 0.65 | NA | 0.29 J | 2.7 | ND(0.36) | ND(0.35) |
| Aramite | NA | ND(1.9) | ND(1.9) | NA | NA | NA | NA | ND(1.7) |
| Benzal chloride | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| Benzidine | NA | ND(3.8) | ND(3.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(3.5) |
| Benzo(a)anthracene | NA | 5.8 | 1.1 | NA | 0.27 J | 2.0 | 0.054 J | 0.12 J |
| Benzo(a)pyrene | NA | 2.2 | 1.7 | NA | 0.19 J | 1.3 J | 0.046 J | 0.15 J |
| Benzo(b)fluoranthene | NA | ND(0.38) | 1.5 | NA | 0.17 J | 1.5 Z | 0.099 JZ | 0.15 J |
| Benzo(g,h,i)perylene | NA | 5.26 J | 9.32 J | NA | 0.088 J | 5.7 J | ND(0.36) | 0.080 J |
| Benzo(k)fluoranthene | NA | 3.1 J | 0.56 | NA | 0.088 J | 1.5 Z | 0.099 JZ | 0.17 J |
| Benzoic Acid | NA | NA | NA | NA | ND(4.1) | ND(15) | ND(3.6) | NA |
| Benzotrichloride | NA | NA | NA | NA | ND(0.81) | ND(3.0) | ND(0.72) | NA |
| Benzyl Alcohol | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-13 | E2SC-16 | E2SC-17 | E2SC-17 | ES2-1 | ES2-6 | X-11 | SL0025 |
| Sample ID: | E2SC-13-SS08 | E2SC-16-CS0615 | E2SC-17-CS0615 | E2SC-17-SS05 | P201B1416 | P206B1416 | P2X110406 | 080798SB17 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 0-3 | 14-16 | 14-16 | 4-6 | 0-0.5 |
| Parameter / Date Collected: | 10/07/98 | 10/08/98 | 10/26/98 | 10/26/98 | 01/16/91 | 01/10/91 | 07/01/91 | 08/07/98 |
| **Semivolatile Organics (continued)** | | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| bis(2-Chloroethoxy)methane | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| bis(2-Chloroethyl)ether | NA | ND(0.38) | ND(0.39) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.35) |
| bis(2-Chloroisopropyl)ether | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| bis(2-Ethylhexyl)phthalate | NA | 0.22 J | 0.038 J | NA | 0.17 J | 0.90 J | 0.11 J | 0.033 J |
| Butylbenzylphthalate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Chrysene | NA | 5.1 | 1.2 | NA | 0.23 J | 1.8 | ND(0.36) | 0.16 J |
| Cyclophosphamide | NA | NA | NA | NA | ND(2.0) | ND(7.3) | ND(1.7) | NA |
| Diallate | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| Dibenzo(a,h)anthracene | NA | ND(0.38) | 0.12 J | NA | ND(0.41) | 0.19 J | ND(0.36) | ND(0.35) |
| Dibenzofuran | NA | 2.5 | 0.19 J | NA | ND(0.41) | 0.70 J | ND(0.36) | ND(0.35) |
| Diethylphthalate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Dimethylphthalate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Di-n-Butylphthalate | NA | 0.098 J | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | 0.039 J |
| Di-n-Octylphthalate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Diphenylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Ethyl Methanesulfonate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Fluoranthene | NA | 14 | 1.9 | NA | 0.53 | 3.7 | 0.058 J | 0.28 J |
| Fluorene | NA | 2.0 | 0.67 | NA | 0.58 | 4.7 | ND(0.36) | ND(0.35) |
| Hexachlorobenzene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Hexachlorobutadiene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Hexachlorocyclopentadiene | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| Hexachloroethane | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | NA | ND(1.5) | ND(1.5) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(3.5) |
| Indeno(1,2,3-cd)pyrene | NA | 0.44 | 0.35 J | NA | 0.076 J | 0.55 J | ND(0.36) | 0.086 J |
| Isodrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Isosafrole | NA | ND(0.77) | ND(0.77) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(0.71) |
| Methapyrilene | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(1.7) |
| Methyl Methanesulfonate | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Naphthalene | NA | 0.96 | 1.9 | NA | 0.53 | 3.4 | ND(0.36) | ND(0.35) |
| Nitrobenzene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosodiethylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosodimethylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitroso-di-n-butylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitroso-di-n-propylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosodiphenylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosomethylethylamine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosomorpholine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosopiperidine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| N-Nitrosopyrrolidine | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | NA | NA | NA | NA |
| o-Toluidine | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| Paraldehyde | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| p-Dimethylaminoazobenzene | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Pentachlorobenzene | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Pentachloroethane | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| Pentachloronitrobenzene | NA | ND(1.9) | ND(1.9) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(1.7) |
| Pentachlorophenol | NA | ND(1.9) | ND(1.9) | NA | ND(0.81) | ND(3.0) | ND(0.72) | ND(1.7) |
| Phenacetin | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| Phenanthrene | NA | 17 | 2.1 | NA | 0.93 | 8.3 | ND(0.36) | 0.10 J |
| Phenol | NA | ND(0.38) | ND(0.39) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.35) |
| Pronamide | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| Pyrene | NA | 11 | 1.6 | NA | 0.57 | 5.2 | 0.062 J | 0.21 J |
| Pyridine | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| Safrole | NA | ND(0.77) | ND(0.77) | NA | ND(0.41) | ND(1.5) | ND(0.36) | ND(0.71) |
| Thionazin | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.36) | NA |
| Total Phenols | NA | NA | NA | NA | ND(0.13) | ND(0.13) | ND(0.11) | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-13 | E2SC-16 | E2SC-17 | E2SC-17 | ES2-1 | ES2-6 | X-11 | SL0025 |
| Sample ID: | E2SC-13-SS08 | E2SC-16-CS0615 | E2SC-17-CS0615 | E2SC-17-SS05 | P201B1416 | P206B1416 | P2X110406 | 080798SB17 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 6-8 | 14-16 | 14-16 | 4-6 | 0-0.5 |
| Parameter / Date Collected: | 10/07/98 | 10/08/98 | 10/26/98 | 10/26/98 | 01/16/91 | 01/10/91 | 07/01/91 | 08/07/98 |
| **Organochlorine Pesticides** | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | | |
| Dimethoate | NA | NA | NA | NA | ND(0.41) | ND(1.5) | ND(0.010) | NA |
| Disulfoton | NA | NA | NA | NA | NA | NA | ND(0.010) | NA |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | ND(0.010) | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | ND(0.010) | NA |
| Phorate | NA | NA | NA | NA | NA | NA | ND(0.010) | NA |
| Sulfotep | NA | NA | NA | NA | NA | NA | ND(0.010) | NA |
| **Herbicides** | | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | ND(0.027) | NA |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | ND(0.027) | NA |
| 2,4-D | NA | NA | NA | NA | NA | NA | ND(0.11) | NA |
| Dinoseb | NA | ND(0.77) | ND(0.77) | NA | NA | NA | NA | ND(0.71) |
| **Furans** | | | | | | | | |
| 2,3,7,8-TCDF | NA | 0.0000039 g | 0.00000089 gJ | NA | NA | NA | NA | 0.000039 g |
| 1,2,3,7,8-PeCDF | NA | ND(0.0000019) | ND(0.00000069) | NA | NA | NA | NA | 0.000016 |
| 2,3,4,7,8-PeCDF | NA | ND(0.0000021) | ND(0.00000074) | NA | NA | NA | NA | 0.000020 |
| PeCDFs (total) | NA | 0.000021 | ND(0.0000022) | NA | NA | NA | NA | 0.00044 |
| 1,2,3,4,7,8-HxCDF | NA | ND(0.0000029) | ND(0.00000074) | NA | NA | NA | NA | 0.000021 |
| 1,2,3,6,7,8-HxCDF | NA | ND(0.0000010) | ND(0.00000054) | NA | NA | NA | NA | 0.000014 F |
| 1,2,3,7,8,9-HxCDF | NA | ND(0.00000056) | ND(0.00000034) | NA | NA | NA | NA | ND(0.00000039) |
| 2,3,4,6,7,8-HxCDF | NA | ND(0.0000012) | ND(0.00000027) | NA | NA | NA | NA | 0.000016 |
| HxCDFs (total) | NA | 0.000014 | ND(0.0000015) | NA | NA | NA | NA | 0.00037 |
| 1,2,3,4,6,7,8-HpCDF | NA | 0.000010 | ND(0.0000011) | NA | NA | NA | NA | 0.000052 |
| 1,2,3,4,7,8,9-HpCDF | NA | ND(0.0000011) | ND(0.00000025) | NA | NA | NA | NA | 0.0000059 |
| HpCDFs (total) | NA | 0.000044 | ND(0.0000011) | NA | NA | NA | NA | 0.00011 |
| OCDF | NA | 0.000021 | ND(0.0000013) | NA | NA | NA | NA | 0.000027 |
| **Dioxins** | | | | | | | | |
| 2,3,7,8-TCDD | NA | ND(0.0000011) | ND(0.00000019) | NA | NA | NA | NA | ND(0.00000041) |
| 1,2,3,7,8-PeCDD | NA | ND(0.00000084) | ND(0.00000025) | NA | NA | NA | NA | ND(0.0000013) |
| PeCDDs (total) | NA | ND(0.0000040) | ND(0.00000082) | NA | NA | NA | NA | ND(0.0000033) |
| 1,2,3,4,7,8-HxCDD | NA | ND(0.0000015) | ND(0.00000090) | NA | NA | NA | NA | ND(0.0000010) |
| 1,2,3,6,7,8-HxCDD | NA | ND(0.0000022) | ND(0.00000081) | NA | NA | NA | NA | ND(0.0000012) |
| 1,2,3,7,8,9-HxCDD | NA | ND(0.0000012) | ND(0.00000087) | NA | NA | NA | NA | ND(0.0000014) |
| HxCDDs (total) | NA | 0.0000092 | ND(0.00000090) | NA | NA | NA | NA | 0.0000073 |
| 1,2,3,4,6,7,8-HpCDD | NA | 0.000050 | ND(0.0000015) | NA | NA | NA | NA | 0.000014 |
| HpCDDs (total) | NA | 0.000095 | ND(0.0000019) | NA | NA | NA | NA | 0.000026 |
| OCDD | NA | 0.00097 | 0.000058 | NA | NA | NA | NA | 0.00010 |
| Total TEQs (WHO TEFs) | NA | 0.0000032 | 0.00000075 | NA | NA | NA | NA | 0.000022 |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D | 4D | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | E2SC-13 | E2SC-16 | E2SC-17 | E2SC-17 | ES2-1 | ES2-6 | X-11 | SL0025 |
| Sample ID: | E2SC-13-SS08 | E2SC-16-CS0615 | E2SC-17-CS0615 | E2SC-17-SS05 | P201B1416 | P206B1416 | P2X110406 | 080798SB17 |
| Sample Depth(Feet): | 14-15 | 6-15 | 6-15 | 6-8 | 14-16 | 14-16 | 4-6 | 0-0.5 |
| Parameter / Date Collected: | 10/07/98 | 10/08/98 | 10/26/98 | 10/26/98 | 01/16/91 | 01/10/91 | 07/01/91 | 08/07/98 |
| **Inorganics** | | | | | | | | |
| Aluminum | NA | NA | NA | NA | 8400 | 3500 | 11200 | NA |
| Antimony | NA | 3.40 | 3.30 | NA | ND(1.00) | ND(1.00) | ND(7.10) N | 0.790 B |
| Arsenic | NA | 13.3 | 6.50 | NA | 17.0 | 6.70 | 11.9 | 5.20 |
| Barium | NA | 168 | 91.5 | NA | 23.0 | 23.0 | 43.6 | 27.5 |
| Beryllium | NA | 0.350 B | 0.510 B | NA | ND(0.500) | ND(0.500) | ND(0.220) | 0.310 B |
| Cadmium | NA | 0.260 B | 0.150 B | NA | 1.30 | 0.760 | ND(0.860) | 0.150 B |
| Calcium | NA | NA | NA | NA | 52000 | 3200 | 10100 | NA |
| Chromium | NA | 46.2 | 25.2 | NA | ND(1.00) | ND(1.00) | 24.8 * | 9.50 |
| Cobalt | NA | 15.8 | 10.1 | NA | 8.40 | ND(5.00) | 14.2 * | 9.80 |
| Copper | NA | 175 | 74.5 | NA | 56.0 | 27.0 | 222 * | 18.4 |
| Cyanide | NA | 5.10 | ND(2.90) | NA | NA | ND(0.630) | 0.140 | ND(2.70) |
| Iron | NA | NA | NA | NA | 26000 | 17000 | 38900 * | NA |
| Lead | NA | 181 | 83.5 | NA | 16.0 | 16.0 | 177 | 10.6 |
| Magnesium | NA | NA | NA | NA | 2600 | 2700 | 8530 | NA |
| Manganese | NA | NA | NA | NA | 990 | 220 | 766 * | NA |
| Mercury | NA | 0.120 | 0.0530 B | NA | ND(0.100) | ND(0.100) | 1.80 * | 0.0290 B |
| Nickel | NA | 55.6 | 21.4 | NA | 14.0 | 8.60 | 38.7 * | 17.4 |
| Potassium | NA | NA | NA | NA | ND(500) | ND(500) | 472 B | NA |
| Selenium | NA | ND(1.20) | 0.330 B | NA | ND(0.500) | ND(0.500) | ND(0.860) N | ND(0.540) |
| Silver | NA | ND(1.20) | ND(1.20) | NA | 1.90 | 1.90 | ND(1.10) N | ND(1.10) |
| Sodium | NA | NA | NA | NA | ND(500) | ND(500) | 335 B | NA |
| Sulfide | NA | 180 | ND(235) | NA | NA | NA | ND(10.9) | ND(214) |
| Thallium | NA | 7.10 | ND(2.30) | NA | ND(1.00) | ND(1.00) | ND(0.430) | 0.790 B |
| Tin | NA | ND(11.6) | ND(11.7) | NA | NA | NA | NA | ND(10.7) |
| Vanadium | NA | 41.8 | 33.5 | NA | 11.0 | 7.10 | 14.6 * | 12.8 |
| Zinc | NA | 256 | 108 | NA | 52.0 | 36.0 | 142 | 77.2 |

**TABLE B-2**
**HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|---|
| Location ID: | SL0153 | SL0314 | SL0342 | 208S | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 95-01 | 95-03 |
| Sample ID: | 081798CT27 | 082798MS14 | 083198MS14 | 208S0-6 | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 201B1214 | 203B1214 |
| Sample Depth(Feet): | 1-1.5 | 0-0.5 | 0-0.5 | 0-0.5 | 10-12 | 2-4 | 8-10 | 0-2 | 12-14 | 12-14 |
| Parameter / Date Collected: | 08/17/98 | 08/27/98 | 08/31/98 | 09/17/97 | 08/07/96 | 08/07/96 | 08/07/96 | 08/08/96 | 02/27/96 | 03/12/96 |
| **Volatile Organics** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(1.0) | ND(0.024) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | NA | NA | NA | ND(0.022) | ND(0.026) | NA | NA | NA | ND(2.1) | ND(0.024) |
| 1,1,2,2-Tetrachloroethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(1.5) | ND(0.012) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.2) | ND(0.018) |
| 1,1-Dichloroethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.5) | ND(0.018) |
| 1,1-Dichloroethene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(2.4) | ND(0.024) |
| 1,2,3-Trichloropropane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(1.4) | ND(0.024) |
| 1,2-Dibromo-3-chloropropane | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.056) | ND(0.064) | NA | NA | NA | ND(4.5) | ND(0.061) |
| 1,2-Dibromoethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(1.5) | ND(0.024) |
| 1,2-Dichlorobenzene | NA | NA | NA | ND(610) | NA | NA | NA | NA | ND(4.8) | ND(0.71) |
| 1,2-Dichloroethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(1.5) | ND(0.012) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(0.26) | ND(0.024) |
| 1,3-Dichlorobenzene | ND(1.0) | ND(1.7) | ND(0.35) | ND(530) | NA | NA | NA | NA | ND(4.1) | ND(0.61) |
| 1,4-Dichlorobenzene | ND(1.0) | ND(1.7) | ND(0.35) | ND(540) | NA | NA | NA | NA | ND(4.2) | ND(0.63) |
| 1,4-Dioxane | ND(0.76) | ND(0.53) | ND(0.52) | ND(57) | ND(65) | NA | NA | NA | 33 J | ND(62) |
| 2-Butanone | ND(0.030) | ND(0.021) | ND(0.021) | ND(0.039) | ND(0.045) | NA | NA | NA | ND(1.5) | ND(0.043) |
| 2-Chloro-1,3-butadiene | ND(0.0076) | ND(0.0053) | ND(0.0052) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.076) | ND(0.053) | ND(0.052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(2.1) | ND(0.018) |
| 2-Hexanone | ND(0.030) | ND(0.021) | ND(0.021) | ND(0.039) | ND(0.045) | NA | NA | NA | ND(1.8) | ND(0.043) |
| 3-Chloropropene | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(2.9) | ND(0.018) |
| 4-Methyl-2-pentanone | ND(0.030) | ND(0.021) | ND(0.021) | ND(0.028) | ND(0.032) | NA | NA | NA | ND(1.8) | ND(0.030) |
| Acetone | 0.0099 J | ND(0.011) | ND(0.010) | 0.033 JB | 0.0060 JB | NA | NA | NA | ND(2.1) | 0.025 JB |
| Acetonitrile | ND(0.15) | ND(0.11) | ND(0.10) | ND(0.22) | ND(0.26) | NA | NA | NA | ND(32) | ND(0.24) |
| Acrolein | ND(0.15) | ND(0.11) | ND(0.10) | ND(0.26) | ND(0.29) | NA | NA | NA | ND(16) | ND(0.28) |
| Acrylonitrile | ND(0.15) | ND(0.11) | ND(0.10) | ND(0.23) | ND(0.27) | NA | NA | NA | ND(23) | ND(0.26) |
| Benzene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.6) | ND(0.018) |
| Bromodichloromethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(2.6) | ND(0.024) |
| Bromoform | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.2) | ND(0.018) |
| Bromomethane | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(3.2) | ND(0.024) |
| Carbon Disulfide | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(2.9) | ND(0.012) |
| Carbon Tetrachloride | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.8) | ND(0.018) |
| Chlorobenzene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | 0.029 | NA | NA | NA | ND(1.8) | ND(0.018) |
| Chloroethane | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(4.2) | ND(0.024) |
| Chloroform | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.9) | ND(0.018) |
| Chloromethane | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.039) | ND(0.045) | NA | NA | NA | ND(5.0) | ND(0.043) |
| cis-1,2-Dichloroethene | ND(0.0038) | ND(0.0027) | ND(0.0026) | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(1.8) | ND(0.012) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Crotonaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(0.89) | ND(0.018) |
| Dibromomethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(1.8) | ND(0.024) |
| Dichlorodifluoromethane | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(1.9) | ND(0.012) |
| Ethyl Methacrylate | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.028) | ND(0.032) | NA | NA | NA | ND(1.5) | ND(0.030) |
| Ethylbenzene | ND(0.0076) | ND(0.0053) | ND(0.0052) | 0.0020 J | ND(0.019) | NA | NA | NA | 1.9 | ND(0.018) |
| Iodomethane | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(1.9) | ND(0.012) |
| Isobutanol | ND(0.30) | ND(0.21) | ND(0.21) | ND(14) | ND(17) | NA | NA | NA | ND(21) | ND(16) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(0.92) | ND(0.024) |
| Methyl Methacrylate | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.056) | ND(0.064) | NA | NA | NA | ND(2.7) | ND(0.061) |
| Methylene Chloride | ND(0.0076) | ND(0.0053) | ND(0.0052) | 0.071 B | 0.0060 JB | NA | NA | NA | 0.47 J | 0.016 JB |
| Propionitrile | ND(0.030) | ND(0.021) | ND(0.021) | ND(0.66) | ND(0.76) | NA | NA | NA | ND(14) | ND(0.72) |
| Styrene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.011) | ND(0.013) | NA | NA | NA | ND(1.5) | ND(0.012) |
| Tetrachloroethene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.3) | ND(0.018) |
| Toluene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(2.3) | ND(0.018) |
| trans-1,2-Dichloroethene | ND(0.0038) | ND(0.0027) | ND(0.0026) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(2.3) | ND(0.018) |
| trans-1,3-Dichloropropene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.017) | ND(0.019) | NA | NA | NA | ND(1.8) | ND(0.018) |
| trans-1,4-Dichloro-2-butene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(1.8) | ND(0.024) |
| Trichloroethene | ND(0.0076) | ND(0.0053) | ND(0.0052) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(1.3) | ND(0.024) |
| Trichlorofluoromethane | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(3.4) | ND(0.024) |
| Vinyl Acetate | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(2.4) | ND(0.024) |
| Vinyl Chloride | ND(0.015) | ND(0.011) | ND(0.010) | ND(0.022) | ND(0.026) | NA | NA | NA | ND(4.4) | ND(0.024) |
| Xylenes (total) | ND(0.0076) | ND(0.0053) | ND(0.0052) | 0.0060 J | ND(0.026) | NA | NA | NA | 1.7 J | ND(0.024) |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|---|
| Location ID: | SL0153 | SL0314 | SL0342 | 208S | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 95-01 | 95-03 |
| Sample ID: | 081798CT27 | 082798MS14 | 083198MS14 | 208S0-6 | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 201B1214 | 203B1214 |
| Sample Depth(Feet): | 1-1.5 | 0-0.5 | 0-0.5 | 0-0.5 | 10-12 | 2-4 | 8-10 | 0-2 | 12-14 | 12-14 |
| Parameter Date Collected: | 08/17/98 | 08/27/98 | 08/31/98 | 09/17/97 | 08/07/96 | 08/07/96 | 08/07/96 | 08/08/96 | 02/27/96 | 03/12/96 |
| **Semivolatile Organics** | | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | ND(1.0) | 0.17 J | ND(0.35) | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | ND(15) | NA | NA | NA | NA | ND(10) | ND(1.6) |
| 1,2,4-Trichlorobenzene | ND(1.0) | 0.80 J | ND(0.35) | ND(6.2) | NA | NA | NA | NA | ND(4.4) | ND(0.66) |
| 1,2-Dinitrobenzene | ND(1.0) | ND(1.7) | ND(0.35) | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.7) | NA | NA | NA | NA | ND(5.6) | ND(0.83) |
| 1,3,5-Trichlorobenzene | ND(4.9) | ND(8.5) | ND(1.7) | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trinitrobenzene | NA | NA | NA | ND(10) | NA | NA | NA | NA | ND(7.3) | ND(1.1) |
| 1,3-Dinitrobenzene | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.3) | NA | NA | NA | NA | ND(4.5) | ND(0.67) |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Naphthoquinone | ND(4.9) | ND(8.5) | ND(1.7) | ND(18) | NA | NA | NA | NA | ND(13) | ND(1.9) |
| 1-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1-Naphthylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(16) | NA | NA | NA | NA | ND(11) | ND(1.7) |
| 2,3,4,6-Tetrachlorophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(16) | NA | NA | NA | NA | ND(11) | ND(1.7) |
| 2,4,5-Trichlorophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(15) | NA | NA | NA | NA | ND(10) | ND(1.6) |
| 2,4,6-Trichlorophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(15) | NA | NA | NA | NA | ND(10) | ND(1.6) |
| 2,4-Dichlorophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.2) | NA | NA | NA | NA | ND(4.4) | ND(0.66) |
| 2,4-Dimethylphenol | 0.14 J | 0.24 J | ND(0.35) | 1.4 J | NA | NA | NA | NA | ND(4.9) | ND(0.73) |
| 2,4-Dinitrophenol | ND(4.9) | ND(8.5) | ND(1.7) | ND(19) | NA | NA | NA | NA | ND(14) | ND(2.0) |
| 2,4-Dinitrotoluene | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| 2,6-Dichlorophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(13) | NA | NA | NA | NA | ND(9.7) | ND(1.4) |
| 2,6-Dinitrotoluene | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.4) | NA | NA | NA | NA | ND(6.0) | ND(0.90) |
| 2-Acetylaminofluorene | ND(2.0) | ND(3.5) | ND(0.69) | ND(8.0) | NA | NA | NA | NA | ND(5.7) | ND(0.85) |
| 2-Chloronaphthalene | ND(1.0) | ND(1.7) | ND(0.35) | ND(11) | NA | NA | NA | NA | ND(7.8) | ND(1.2) |
| 2-Chlorophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.1) | NA | NA | NA | NA | ND(5.1) | ND(0.76) |
| 2-Methylnaphthalene | ND(1.0) | ND(1.7) | ND(0.35) | ND(9.4) | NA | NA | NA | NA | 77 D | ND(1.0) |
| 2-Methylphenol | 0.22 J | ND(1.7) | ND(0.35) | 3.1 J | NA | NA | NA | NA | ND(5.2) | ND(0.78) |
| 2-Naphthylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(9.6) | NA | NA | NA | NA | ND(6.9) | ND(1.0) |
| 2-Nitroaniline | ND(4.9) | ND(8.5) | ND(1.7) | ND(12) | NA | NA | NA | NA | ND(8.9) | ND(1.3) |
| 2-Nitrophenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.9) | NA | NA | NA | NA | ND(5.0) | ND(0.75) |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Picoline | ND(2.0) | ND(3.5) | ND(0.69) | ND(13) | NA | NA | NA | NA | ND(9.7) | ND(1.4) |
| 3&4-Methylphenol | 0.26 J | 0.61 J | ND(0.35) | 2.1 J | NA | NA | NA | NA | ND(10) | ND(1.6) |
| 3,3'-Dichlorobenzidine | ND(4.9) | ND(8.5) | ND(1.7) | ND(5.6) | NA | NA | NA | NA | ND(4.0) | ND(0.60) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dimethylbenzidine | ND(4.9) | ND(8.5) | ND(1.7) | ND(11) | NA | NA | NA | NA | ND(7.8) | ND(1.2) |
| 3-Methylcholanthrene | ND(2.0) | ND(3.5) | ND(0.69) | ND(6.8) B | NA | NA | NA | NA | ND(4.9) | ND(0.73) |
| 3-Nitroaniline | ND(4.9) | ND(8.5) | ND(1.7) | ND(7.7) | NA | NA | NA | NA | ND(5.6) | ND(0.83) |
| 3-Phenylenediamine | NA | NA | NA | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(4.9) | ND(8.5) | ND(1.7) | ND(20) | NA | NA | NA | NA | ND(15) | ND(2.2) |
| 4-Aminobiphenyl | ND(4.9) | ND(8.5) | ND(1.7) | ND(4.6) | NA | NA | NA | NA | ND(3.3) | ND(0.49) |
| 4-Bromophenyl-phenylether | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.4) | NA | NA | NA | NA | ND(6.0) | ND(0.90) |
| 4-Chloro-3-Methylphenol | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.4) | NA | NA | NA | NA | ND(6.0) | ND(0.90) |
| 4-Chloroaniline | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.7) | NA | NA | NA | NA | ND(5.6) | ND(0.83) |
| 4-Chlorobenzilate | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.0) | NA | NA | NA | NA | ND(5.7) | ND(0.85) |
| 4-Chlorophenyl-phenylether | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.7) | NA | NA | NA | NA | ND(4.8) | ND(0.72) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(4.9) | ND(8.5) | ND(1.7) | ND(12) | NA | NA | NA | NA | ND(8.9) | ND(1.3) |
| 4-Nitrophenol | ND(4.9) | ND(8.5) | ND(1.7) | ND(50) | NA | NA | NA | NA | ND(36) | ND(5.4) |
| 4-Nitroquinoline-1-oxide | ND(10) | ND(17) | ND(3.5) | ND(54) | NA | NA | NA | NA | ND(39) | ND(5.8) |
| 4-Phenylenediamine | ND(10) | ND(17) | ND(3.5) | NA | NA | NA | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | ND(2.0) | ND(3.5) | ND(0.69) | ND(11) | NA | NA | NA | NA | ND(8.1) | ND(1.2) |
| 7,12-Dimethylbenz(a)anthracene | ND(2.0) | ND(3.5) | ND(0.69) | ND(4.6) | NA | NA | NA | NA | 0.78 J | ND(0.49) |
| a,a'-Dimethylphenethylamine | ND(4.9) | ND(8.5) | ND(1.7) | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Acenaphthene | ND(1.0) | 0.19 J | 0.040 J | ND(7.4) | NA | NA | NA | NA | 77 D | ND(0.79) |
| Acenaphthylene | 0.10 J | 0.55 J | 0.071 J | ND(7.5) | NA | NA | NA | NA | 3.3 J | ND(0.81) |
| Acetophenone | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Aniline | 6.4 | 9.8 | ND(0.35) | 150 D | NA | NA | NA | NA | ND(4.5) | ND(0.67) |
| Anthracene | 0.12 J | 0.53 J | 0.11 J | ND(8.3) | NA | NA | NA | NA | 3.6 | ND(0.89) |
| Aramite | ND(4.9) | ND(8.5) | ND(1.7) | ND(7.4) B | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Benzoil chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzidine | ND(10) | ND(17) | ND(3.5) | ND(18) B | NA | NA | NA | NA | ND(13) | ND(1.9) |
| Benzo(a)anthracene | 0.55 J | 1.6 J | 0.41 | 0.66 J | NA | NA | NA | NA | 26 | 0.11 J |
| Benzo(a)pyrene | 0.73 J | 2.1 | 0.54 | 0.73 JB | NA | NA | NA | NA | 17 | 0.11 J |
| Benzo(b)fluoranthene | 1.2 | 1.9 | 0.53 | 1.1 J | NA | NA | NA | NA | 20 Z | 0.22 JZ |
| Benzo(g,h,i)perylene | 0.35 J | 0.85 J | 0.22 J | 0.56 J | NA | NA | NA | NA | 5.8 | 0.065 J |
| Benzo(k)fluoranthene | ND(1.0) | 2.2 | 0.57 | 0.43 JB | NA | NA | NA | NA | 21 Z | 0.21 JZ |
| Benzoic Acid | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzotrichloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzyl Alcohol | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.2) | NA | NA | NA | NA | ND(4.4) | ND(0.66) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|---|
| Location ID: | SL0153 | SL0314 | SL0342 | 208S | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 95-01 | 95-03 |
| Sample ID: | 081798CT27 | 082798MS14 | 083198MS14 | 208S0-6 | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 201B1214 | 203B1214 |
| Sample Depth(Feet): | 1-1.5 | 0-0.5 | 0-0.5 | 0-0.5 | 10-12 | 2-4 | 8-10 | 0-2 | 12-14 | 12-14 |
| Parameter / Date Collected: | 08/17/98 | 08/27/98 | 08/31/98 | 09/17/97 | 08/07/96 | 08/07/96 | 08/07/96 | 08/08/96 | 02/27/96 | 03/12/96 |
| **Semivolatile Organics (continued)** | | | | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.5) | NA | NA | NA | NA | ND(5.4) | ND(0.81) |
| bis(2-Chloroethyl)ether | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.6) | NA | NA | NA | NA | ND(4.8) | ND(0.71) |
| bis(2-Chloroisopropyl)ether | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.3) | NA | NA | NA | NA | ND(5.2) | ND(0.78) |
| bis(2-Ethylhexyl)phthalate | ND(1.0) | 0.14 J | 0.096 J | 1.3 J | NA | NA | NA | NA | ND(6.0) | 0.69 J |
| Butylbenzylphthalate | ND(1.0) | ND(1.7) | 0.038 J | ND(7.6) | NA | NA | NA | NA | ND(5.5) | ND(0.82) |
| Chrysene | 0.77 J | 1.9 | 0.55 | 0.97 JB | NA | NA | NA | NA | 23 | 0.13 J |
| Cyclophosphamide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dialiate | ND(2.0) | ND(3.5) | ND(0.69) | NA | NA | NA | NA | NA | NA | NA |
| Dialiate (cis isomer) | NA | NA | NA | NA | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Dialiate (trans isomer) | NA | NA | NA | NA | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Dibenz(a,j)acridine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | 0.12 J | 0.25 J | 0.064 J | ND(4.8) | NA | NA | NA | NA | 1.5 J | ND(0.52) |
| Dibenzofuran | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.7) | NA | NA | NA | NA | 9.2 | ND(0.83) |
| Diethylphthalate | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.1) | NA | NA | NA | NA | ND(5.8) | ND(0.87) |
| Dimethylphthalate | ND(1.0) | ND(1.7) | ND(0.35) | ND(11) | NA | NA | NA | NA | ND(7.8) | ND(1.2) |
| Di-n-Butylphthalate | 1.8 | 0.62 J | 0.11 J | NA | NA | NA | NA | NA | ND(6.2) | ND(0.93) |
| Di-n-Octylphthalate | ND(1.0) | ND(1.7) | ND(0.35) | NA | NA | NA | NA | NA | ND(3.9) | ND(0.58) |
| Diphenylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(16) | NA | NA | NA | NA | ND(11) | ND(1.7) |
| Ethyl Methanesulfonate | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.7) | NA | NA | NA | NA | ND(4.8) | ND(0.72) |
| Fluoranthene | 1.0 | 2.4 | 0.79 | 1.6 J | NA | NA | NA | NA | 76 D | 0.30 J |
| Fluorene | ND(1.0) | 0.18 J | 0.039 J | ND(7.7) | NA | NA | NA | NA | 36 | ND(0.83) |
| Hexachlorobenzene | ND(1.0) | ND(1.7) | 0.085 J | ND(8.6) | NA | NA | NA | NA | ND(6.2) | ND(0.93) |
| Hexachlorobutadiene | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.3) | NA | NA | NA | NA | ND(4.5) | ND(0.67) |
| Hexachlorocyclopentadiene | ND(4.9) | ND(8.5) | ND(1.7) | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Hexachloroethane | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.7) | NA | NA | NA | NA | ND(4.8) | ND(0.72) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(10) | ND(17) | ND(3.5) | ND(6.4) | NA | NA | NA | NA | ND(4.6) | ND(0.69) |
| Indeno(1,2,3-cd)pyrene | 0.37 J | 0.86 J | 0.21 J | 0.52 J | NA | NA | NA | NA | 5.0 | 0.063 J |
| Isodrin | NA | NA | ND(0.36) | ND(10) | NA | NA | NA | NA | ND(7.4) | ND(1.1) |
| Isophorone | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.6) | NA | NA | NA | NA | ND(5.5) | ND(0.020) |
| Isosafrole | ND(2.0) | ND(3.5) | ND(0.69) | ND(15) | NA | NA | NA | NA | ND(10) | ND(1.6) |
| Methapyrilene | ND(4.9) | ND(8.5) | ND(1.7) | ND(15) | NA | NA | NA | NA | ND(10) | ND(1.6) |
| Methyl Methanesulfonate | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.8) | NA | NA | NA | NA | ND(5.6) | ND(0.84) |
| Naphthalene | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.4) | NA | NA | NA | NA | 76 D | ND(0.79) |
| Nitrobenzene | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.6) | NA | NA | NA | NA | ND(5.5) | ND(0.82) |
| N-Nitrosodiethylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.7) | NA | NA | NA | NA | ND(4.8) | ND(0.72) |
| N-Nitrosodimethylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| N-Nitroso-di-n-butylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(16) | NA | NA | NA | NA | ND(11) | ND(1.7) |
| N-Nitroso-di-n-propylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.8) | NA | NA | NA | NA | ND(4.9) | ND(0.73) |
| N-Nitrosodiphenylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(16) | NA | NA | NA | NA | ND(11) | ND(1.7) |
| N-Nitrosomethylethylamine | ND(1.0) | ND(1.7) | ND(0.35) | ND(6.1) | NA | NA | NA | NA | ND(4.4) | ND(0.65) |
| N-Nitrosomorpholine | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.4) | NA | NA | NA | NA | ND(6.0) | ND(0.90) |
| N-Nitrosopiperidine | ND(1.0) | ND(1.7) | ND(0.35) | ND(8.3) | NA | NA | NA | NA | ND(6.0) | ND(0.89) |
| N-Nitrosopyrrolidine | ND(1.0) | ND(1.7) | ND(0.35) | ND(5.9) | NA | NA | NA | NA | ND(4.3) | ND(0.64) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | ND(59) | NA | NA | NA | NA | ND(43) | ND(6.4) |
| o-Toluidine | 0.18 J | 0.19 J | ND(0.69) | 4.0 J | NA | NA | NA | NA | ND(16) | ND(2.4) |
| Paraldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.5) | NA | NA | NA | NA | ND(5.4) | ND(0.81) |
| Pentachlorobenzene | ND(1.0) | ND(1.7) | ND(0.35) | ND(7.4) | NA | NA | NA | NA | ND(5.3) | ND(0.79) |
| Pentachloroethane | ND(4.9) | ND(8.5) | ND(1.7) | ND(9.3) | NA | NA | NA | NA | ND(6.7) | ND(1.0) |
| Pentachloronitrobenzene | ND(4.9) | ND(8.5) | ND(1.7) | ND(7.2) | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | ND(4.9) | ND(8.5) | ND(1.7) | ND(16) | NA | NA | NA | NA | ND(11) | ND(1.7) |
| Phenacetin | ND(2.0) | ND(3.5) | ND(0.69) | ND(6.8) | NA | NA | NA | NA | ND(4.9) | ND(0.73) |
| Phenanthrene | 0.65 J | 1.6 J | 0.50 | 0.84 J | NA | NA | NA | NA | 140 D | 0.13 J |
| Phenol | 1.4 | 2.2 | 0.15 J | 23 | NA | NA | NA | NA | ND(4.6) | ND(0.69) |
| Pronamide | ND(2.0) | ND(3.5) | ND(0.69) | ND(7.3) | NA | NA | NA | NA | ND(5.2) | ND(0.78) |
| Pyrene | 0.83 J | 1.8 | 0.68 | 1.3 J | NA | NA | NA | NA | 81 D | 0.23 J |
| Pyridine | ND(2.0) | ND(3.5) | ND(0.69) | ND(6.2) | NA | NA | NA | NA | ND(4.4) | ND(0.66) |
| Safrole | ND(2.0) | ND(3.5) | ND(0.69) | ND(6.5) | NA | NA | NA | NA | ND(4.7) | ND(0.70) |
| Thionazin | NA | NA | NA | ND(7.5) | NA | NA | NA | NA | ND(5.4) | ND(0.81) |
| Total Phenols | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|---|
| Location ID: | SL0153 | SL0314 | SL0342 | 208S | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 95-01 | 95-03 |
| Sample ID: | 081798CT27 | 082798MS14 | 083198MS14 | 208S0-6 | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 201B1214 | 203B1214 |
| Sample Depth(Feet): | 1-1.5 | 0-0.5 | 0-0.5 | 0-0.5 | 10-12 | 2-4 | 8-10 | 0-2 | 12-14 | 12-14 |
| Parameter / Date Collected: | 08/17/98 | 08/27/98 | 08/31/98 | 09/17/97 | 08/07/96 | 08/07/95 | 08/07/96 | 08/08/96 | 02/27/95 | 03/12/96 |
| **Organochlorine Pesticides** | | | | | | | | | | |
| 4,4'-DDD | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | 0.91 | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | ND(0.36) | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | ND(6.9) | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | ND(3.6) | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | ND(3.6) | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | ND(14) | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | | | | |
| Dimethoate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Disulfoton | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phorate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfotep | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Herbicides** | | | | | | | | | | |
| 2,4,5-T | NA | NA | ND(0.021) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5 TP | NA | NA | ND(0.021) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-D | NA | NA | ND(0.084) | NA | NA | NA | NA | NA | NA | NA |
| Dinoseb | ND(2.0) | ND(3.5) | ND(0.013) | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | | | | |
| 2,3,7,8-TCDF | 0.0011 gE | 0.0013 gEB | 0.00025 gB | 0.00017 g | NA | NA | NA | NA | NA | ND(0.000050) |
| 1,2,3,7,8-PeCDF | 0.00069 | 0.0015 | 0.00015 | 0.000057 | NA | NA | NA | NA | NA | ND(0.000021) |
| 2,3,4,7,8-PeCDF | 0.00041 | 0.0017 | 0.00019 | 0.00013 | NA | NA | NA | NA | NA | ND(0.000021) |
| PeCDFs (total) | 0.0032 | 0.018 | 0.0019 | 0.0036 | NA | NA | NA | NA | NA | ND(0.000021) |
| 1,2,3,4,7,8-HxCDF | 0.00064 | 0.0045 | 0.00018 | 0.00011 | NA | NA | NA | NA | NA | ND(0.000031) |
| 1,2,3,6,7,8-HxCDF | 0.00018 | 0.0023 | 0.000077 | ND(0.000091) v | NA | NA | NA | NA | NA | ND(0.000031) |
| 1,2,3,7,8,9-HxCDF | 0.0000089 | 0.00014 | 0.0000070 | ND(0.0000021) | NA | NA | NA | NA | NA | ND(0.000031) |
| 2,3,4,6,7,8-HxCDF | 0.000056 | 0.00057 | 0.000051 | 0.00010 | NA | NA | NA | NA | NA | ND(0.000031) |
| HxCDFs (total) | 0.0019 | 0.018 | 0.00094 | 0.0026 | NA | NA | NA | NA | NA | ND(0.000031) |
| 1,2,3,4,6,7,8-HpCDF | 0.00045 | 0.0039 | 0.00027 | 0.00037 | NA | NA | NA | NA | NA | ND(0.000047) |
| 1,2,3,4,7,8,9-HpCDF | 0.00016 | 0.0021 | 0.000061 | 0.000044 | NA | NA | NA | NA | NA | ND(0.000047) |
| HpCDFs (total) | 0.00099 | 0.0084 | 0.00060 | 0.00084 | NA | NA | NA | NA | NA | ND(0.000047) |
| OCDF | 0.00091 | 0.0046 | 0.00031 | 0.00033 | NA | NA | NA | NA | NA | ND(0.00013) |
| **Dioxins** | | | | | | | | | | |
| 2,3,7,8-TCDD | 0.0000066 | 0.0000098 | 0.0000032 | 0.0000015 | NA | NA | NA | NA | NA | ND(0.000041) |
| 1,2,3,7,8-PeCDD | 0.0000069 | 0.000021 | 0.0000045 j | 0.0000065 | NA | NA | NA | NA | NA | ND(0.000083) |
| PeCDDs (total) | 0.0000069 | 0.00023 | 0.000032 | 0.0000065 | NA | NA | NA | NA | NA | ND(0.000083) |
| 1,2,3,4,7,8-HxCDD | 0.0000077 | 0.000027 | 0.0000044 j | 0.0000058 | NA | NA | NA | NA | NA | ND(0.000052) |
| 1,2,3,6,7,8-HxCDD | 0.000011 | 0.000051 | 0.000011 | 0.000016 | NA | NA | NA | NA | NA | ND(0.000052) |
| 1,2,3,7,8,9-HxCDD | 0.000020 | 0.000067 | 0.0000073 | 0.000014 | NA | NA | NA | NA | NA | ND(0.000052) |
| HxCDDs (total) | 0.00011 | 0.00056 | 0.00011 | 0.00016 | NA | NA | NA | NA | NA | ND(0.000052) |
| 1,2,3,4,6,7,8-HpCDD | 0.000092 | 0.00028 | 0.00016 | 0.00019 | NA | NA | NA | NA | NA | ND(0.000041) |
| HpCDDs (total) | 0.00018 | 0.00054 | 0.00033 | 0.00042 | NA | NA | NA | NA | NA | ND(0.000041) |
| OCDD | 0.0011 | 0.00094 | 0.0016 | 0.0013 | NA | NA | NA | NA | NA | ND(0.00014) |
| Total TEQs (WHO TEFs) | 0.00046 | 0.0019 | 0.00017 | 0.00013 | NA | NA | NA | NA | NA | 0.000085 |

**TABLE B-2**
**HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Parameter | Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Location ID: | SL0153 | SL0314 | SL0342 | 208S | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 95-01 | 95-03 |
| | Sample ID: | 081798CT27 | 082798MS14 | 083198MS14 | 208S0-6 | 68S-1 | 68S-3 | 68S-3 | 68S-4 | 201B1214 | 203B1214 |
| | Sample Depth(Feet): | 1-1.5 | 0-0.5 | 0-0.5 | 0-0.5 | 10-12 | 2-4 | 8-10 | 0-2 | 12-14 | 12-14 |
| | Date Collected: | 08/17/98 | 08/27/98 | 08/31/98 | 09/17/97 | 08/07/96 | 08/07/96 | 08/07/96 | 08/08/96 | 02/27/96 | 03/12/96 |
| **Inorganics** | | | | | | | | | | | |
| Aluminum | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Antimony | | 21.4 | 6.30 | 0.800 B | 4.60 BN | NA | 0.390 BN | NA | 7.20 N | 3.10 BN | NA |
| Arsenic | | 11.1 | 10.9 | 3.30 | 7.30 | NA | 5.10 | NA | 12.0 | 16.1 | NA |
| Barium | | 57.9 | 78.1 | 34.4 | 36.6 B | NA | 35.4 | NA | 109 | 174 | NA |
| Beryllium | | 0.380 B | 0.410 B | 0.270 B | 0.260 B | NA | 0.340 B | NA | 0.390 B | 0.910 | NA |
| Cadmium | | 29.0 | 2.30 | 0.0990 B | 0.930 B | NA | 0.180 B | NA | 2.70 | 0.560 B | NA |
| Calcium | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | | 15.9 | 52.3 | 14.2 | 23.7 | NA | 11.2 | NA | 47.7 | 119 | NA |
| Cobalt | | 13.7 | 16.7 | 7.60 | NA | NA | 6.90 | NA | 7.80 | 8.30 | NA |
| Copper | | 25400 | 420 | 26.4 | 97.8 E | NA | 218 * | NA | 1400 * | 268 | NA |
| Cyanide | | ND(3.80) | ND(2.70) | ND(2.60) | ND(0.550) | NA | NA | ND(0.660) | ND(0.550) | NA | ND(0.610) |
| Iron | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | | 20400 | 473 | 38.9 | 90.8 * | NA | 193 N* | NA | 1010 N* | 2620 * | NA |
| Magnesium | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | | 0.990 | 1.60 | 0.120 | 0.300 | NA | 0.260 N | NA | 6.10 N | 0.220 | NA |
| Nickel | | 126 | 37.6 | 14.2 | 36.0 | NA | 14.4 | NA | 69.4 | 51.3 | NA |
| Potassium | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | | 1.10 | 1.00 | 0.630 | 1.70 | NA | ND(0.380) N | NA | ND(0.330) N | ND(0.420) N | NA |
| Silver | | 12.4 | 5.60 | 0.360 B | 0.210 B | NA | ND(0.0800) | NA | 3.80 | 0.230 B | NA |
| Sodium | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | | ND(304) | ND(212) | 148 B | NA | NA | NA | NA | NA | NA | NA |
| Thallium | | 1.70 | 1.10 | 0.770 B | ND(1.10) | NA | 0.470 B | NA | 0.450 B | ND(0.560) | NA |
| Tin | | 6350 | 26.0 | ND(10.5) | 3.70 B | NA | 7.20 | NA | 132 | 146 | NA |
| Vanadium | | 19.1 | 20.9 | 16.4 | 25.0 | NA | 11.6 | NA | 16.3 | 89.1 | NA |
| Zinc | | 9750 | 742 | 112 | 492 | NA | 93.6 | NA | 1190 | 350 N | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-27 | E2SC-12 | E2SC-12 | E2SC-15 | E2SC-15 | EB-22 | EB-22 | EB-23 |
| Sample ID: | 227B1416 | E2SC-12-CS0615 | E2SC-12-SS05 | E2SC-15-CS0615 | E2SC-15-SS08 | 3-6C-EB-22 | 3-6C-EB-22 | 3-6C-EB-23 |
| Sample Depth(Feet): | 14-16 | 6-15 | 0-1 | 6-15 | 12-14 | 12-14 | 14-16 | 12-14 |
| Parameter / Date Collected: | 02/29/96 | 10/19/98 | 10/19/98 | 10/20/98 | 10/20/98 | 11/07/97 | 11/07/97 | 11/06/97 |
| **Volatile Organics** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| 1,1,2,2-Tetrachloroethane | ND(0.014) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.013) | ND(0.011) | ND(0.018) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| 1,1-Dichloroethane | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| 1,1-Dichloroethene | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| 1,2,3-Trichloropropane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| 1,2-Dibromo-3-chloropropane | ND(0.072) | NA | ND(0.014) | NA | ND(0.015) | ND(0.064) | ND(0.056) | ND(0.091) |
| 1,2-Dibromoethane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| 1,2-Dichlorobenzene | ND(0.85) | ND(0.46) | NA | ND(0.42) | NA | ND(0.75) | ND(0.65) | ND(1.1) |
| 1,2-Dichloroethane | ND(0.014) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.013) | ND(0.011) | ND(0.018) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| 1,3-Dichlorobenzene | ND(0.74) | 0.13 J | NA | ND(0.42) | NA | ND(0.65) | ND(0.57) | ND(0.92) |
| 1,4-Dichlorobenzene | ND(0.75) | 0.66 | NA | ND(0.42) | NA | ND(0.66) | ND(0.58) | ND(0.94) |
| 1,4-Dioxane | ND(74) | NA | ND(0.68) | NA | ND(0.73) | ND(65) | ND(57) | ND(93) |
| 2-Butanone | ND(0.051) | NA | ND(0.027) | NA | ND(0.029) | 0.0080 J | ND(0.039) | 0.014 J |
| 2-Chloro-1,3-butadiene | NA | NA | ND(0.0068) | NA | ND(0.0073) | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.022) | NA | ND(0.068) | NA | ND(0.073) | ND(0.019) | ND(0.017) | ND(0.027) |
| 2-Hexanone | ND(0.051) | NA | ND(0.027) | NA | ND(0.029) | ND(0.045) | ND(0.039) | ND(0.064) |
| 3-Chloropropene | ND(0.022) | NA | ND(0.014) | NA | ND(0.015) | ND(0.019) | ND(0.017) | ND(0.027) |
| 4-Methyl-2-pentanone | ND(0.036) | NA | ND(0.027) | NA | ND(0.029) | ND(0.032) | ND(0.028) | ND(0.045) |
| Acetone | 0.035 J | NA | 0.024 J | NA | 0.024 J | 0.016 J | 0.014 J | 0.029 J |
| Acetonitrile | ND(0.29) | NA | ND(0.14) | NA | ND(0.15) | ND(0.26) | ND(0.22) | ND(0.36) |
| Acrolein | ND(0.33) | NA | ND(0.14) | NA | ND(0.15) | ND(0.29) | ND(0.26) | ND(0.42) |
| Acrylonitrile | ND(0.30) | NA | ND(0.14) | NA | ND(0.15) | 0.27 | ND(0.24) | ND(0.38) |
| Benzene | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Bromodichloromethane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| Bromoform | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Bromomethane | ND(0.029) | NA | ND(0.014) | NA | ND(0.015) | ND(0.026) | ND(0.022) | ND(0.036) |
| Carbon Disulfide | ND(0.014) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.013) | ND(0.011) | ND(0.018) |
| Carbon Tetrachloride | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Chlorobenzene | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Chloroethane | ND(0.029) | NA | ND(0.014) | NA | ND(0.015) | ND(0.026) | ND(0.022) | ND(0.036) |
| Chloroform | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Chloromethane | ND(0.051) | NA | ND(0.014) | NA | ND(0.015) | ND(0.045) | ND(0.039) | ND(0.064) |
| cis-1,2-Dichloroethene | NA | NA | ND(0.0034) | NA | ND(0.0037) | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.014) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.013) | ND(0.011) | ND(0.018) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | NA | NA | NA | NA |
| Crotonaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Dibromomethane | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| Dichlorodifluoromethane | ND(0.014) | NA | ND(0.014) | NA | ND(0.015) | ND(0.013) | ND(0.011) | ND(0.018) |
| Ethyl Methacrylate | ND(0.036) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.032) | ND(0.028) | ND(0.045) |
| Ethylbenzene | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | 0.0010 J | ND(0.017) | ND(0.027) |
| Iodomethane | ND(0.014) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.013) | ND(0.011) | ND(0.018) |
| Isobutanol | ND(19) | NA | ND(0.27) | NA | ND(0.29) | ND(17) | ND(15) | ND(24) |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| Methyl Methacrylate | ND(0.072) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.064) | ND(0.056) | ND(0.091) |
| Methylene Chloride | 0.019 JB | NA | ND(0.0068) | NA | ND(0.0073) | 0.0010 JB | 0.0020 JB | 0.0020 JB |
| Propionitrile | ND(0.86) | NA | ND(0.027) | NA | ND(0.029) | ND(0.76) | ND(0.66) | ND(1.1) |
| Styrene | ND(0.014) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.013) | ND(0.011) | ND(0.018) |
| Tetrachloroethene | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| Toluene | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| trans-1,2-Dichloroethene | ND(0.022) | NA | ND(0.0034) | NA | ND(0.0037) | ND(0.019) | ND(0.017) | ND(0.027) |
| trans-1,3-Dichloropropene | ND(0.022) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.019) | ND(0.017) | ND(0.027) |
| trans-1,4-Dichloro-2-butene | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| Trichloroethene | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |
| Trichlorofluoromethane | ND(0.029) | NA | ND(0.014) | NA | ND(0.015) | ND(0.026) | ND(0.022) | ND(0.036) |
| Vinyl Acetate | ND(0.029) | NA | ND(0.014) | NA | ND(0.015) | ND(0.026) | ND(0.022) | ND(0.036) |
| Vinyl Chloride | ND(0.029) | NA | ND(0.014) | NA | ND(0.015) | ND(0.026) | ND(0.022) | ND(0.036) |
| Xylenes (total) | ND(0.029) | NA | ND(0.0068) | NA | ND(0.0073) | ND(0.026) | ND(0.022) | ND(0.036) |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-27 | E2SC-12 | E2SC-12 | E2SC-15 | E2SC-15 | EB-22 | EB-22 | EB-23 |
| Sample ID: | 227B1416 | E2SC-12-CS0615 | E2SC-12-SS05 | E2SC-15-CS0615 | E2SC-15-SS08 | 3-6C-EB-22 | 3-6C-EB-22 | 3-6C-EB-23 |
| Sample Depth(Feet): | 14-16 | 6-15 | 0-1 | 6-15 | 12-14 | 12-14 | 14-16 | 12-14 |
| Parameter / Date Collected: | 02/29/96 | 10/19/98 | 10/19/98 | 10/20/98 | 10/20/98 | 11/07/97 | 11/07/97 | 11/06/97 |
| **Semivolatile Organics** | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetrachlorobenzene | ND(1.9) | ND(0.46) | NA | ND(0.42) | NA | ND(1.7) | ND(1.4) | ND(2.3) |
| 1,2,4-Trichlorobenzene | ND(0.76) | ND(0.46) | NA | ND(0.42) | NA | ND(0.70) | ND(0.73) | ND(0.99) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(1.0) | ND(0.46) | NA | ND(0.42) | NA | ND(0.88) | ND(0.77) | ND(1.2) |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trinitrobenzene | ND(1.3) | ND(2.2) | NA | ND(2.0) | NA | ND(1.2) | ND(1.0) | ND(1.6) |
| 1,3-Dinitrobenzene | ND(0.81) | ND(0.46) | NA | ND(0.42) | NA | ND(0.72) | ND(0.62) | ND(1.0) |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Naphthoquinone | ND(2.3) | ND(2.2) | NA | ND(2.0) | NA | ND(2.0) | ND(1.8) | ND(2.9) |
| 1-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 1-Naphthylamine | ND(2.0) | ND(0.46) | NA | ND(0.42) | NA | ND(1.8) | ND(1.6) | ND(2.5) |
| 2,3,4,6-Tetrachlorophenol | ND(2.0) | ND(0.46) | NA | ND(0.42) | NA | ND(1.8) | ND(1.6) | ND(2.5) |
| 2,4,5-Trichlorophenol | ND(1.9) | ND(0.46) | NA | ND(0.42) | NA | ND(1.7) | ND(1.4) | ND(2.3) |
| 2,4,6-Trichlorophenol | ND(1.9) | ND(0.46) | NA | ND(0.42) | NA | ND(1.7) | ND(1.4) | ND(2.3) |
| 2,4-Dichlorophenol | ND(0.79) | ND(0.46) | NA | ND(0.42) | NA | ND(0.70) | ND(0.61) | ND(0.99) |
| 2,4-Dimethylphenol | ND(0.88) | ND(0.46) | NA | ND(0.42) | NA | 0.081 J | ND(0.68) | ND(1.1) |
| 2,4-Dinitrophenol | ND(2.5) | ND(2.2) | NA | ND(2.0) | NA | ND(2.2) | ND(1.9) | ND(3.1) |
| 2,4-Dinitrotoluene | ND(0.95) | ND(0.46) | NA | ND(0.42) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| 2,6-Dichlorophenol | ND(1.7) | ND(0.46) | NA | ND(0.42) | NA | ND(1.5) | ND(1.3) | ND(2.2) |
| 2,6-Dinitrotoluene | ND(1.1) | ND(0.46) | NA | ND(0.42) | NA | ND(0.96) | ND(0.83) | ND(1.4) |
| 2-Acetylaminofluorene | ND(1.0) | ND(0.93) | NA | ND(0.84) | NA | ND(0.91) | ND(0.79) | ND(1.3) |
| 2-Chloronaphthalene | ND(1.4) | ND(0.46) | NA | ND(0.42) | NA | ND(1.2) | ND(1.1) | ND(1.7) |
| 2-Chlorophenol | ND(0.91) | ND(0.46) | NA | ND(0.42) | NA | ND(0.80) | ND(0.70) | ND(1.1) |
| 2-Methylnaphthalene | ND(1.2) | 0.28 J | NA | ND(0.42) | NA | 0.68 J | ND(0.93) | ND(1.5) |
| 2-Methylphenol | ND(0.94) | ND(0.46) | NA | ND(0.42) | NA | ND(0.83) | ND(0.72) | ND(1.2) |
| 2-Naphthylamine | ND(1.2) | ND(0.46) | NA | ND(0.42) | NA | ND(1.1) | ND(0.95) | ND(1.5) |
| 2-Nitroaniline | ND(1.0) | ND(2.2) | NA | ND(2.0) | NA | ND(1.4) | ND(1.2) | ND(2.0) |
| 2-Nitrophenol | ND(0.90) | ND(0.46) | NA | ND(0.42) | NA | ND(0.79) | ND(0.69) | ND(1.1) |
| 2-Phenylenediamine | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Picoline | ND(1.7) | ND(0.93) | NA | ND(0.84) | NA | ND(1.5) | ND(1.3) | ND(2.2) |
| 3&4-Methylphenol | ND(1.9) | ND(0.46) | NA | ND(0.42) | NA | 0.083 J | ND(1.4) | ND(2.3) |
| 3,3'-Dichlorobenzidine | ND(0.72) | ND(2.2) | NA | ND(2.0) | NA | ND(0.64) | ND(0.55) | ND(0.90) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dimethylbenzidine | ND(1.4) | ND(2.2) | NA | ND(2.0) | NA | ND(1.2) | ND(1.1) | ND(1.7) |
| 3-Methylcholanthrene | ND(0.88) | ND(0.93) | NA | ND(0.84) | NA | ND(0.78) | ND(0.68) | ND(1.1) |
| 3-Nitroaniline | ND(1.0) | ND(2.2) | NA | ND(2.0) | NA | ND(0.88) | ND(0.77) | ND(1.2) |
| 3-Phenylenediamine | ND(0.95) | NA | NA | NA | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| 4,4'-Methylene bis(2-chloroaniline) | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(2.6) | ND(2.2) | NA | ND(2.0) | NA | ND(2.3) | ND(2.0) | ND(3.2) |
| 4-Aminobiphenyl | ND(0.59) | ND(2.2) | NA | ND(2.0) | NA | ND(0.52) | ND(0.45) | ND(0.74) |
| 4-Bromophenyl-phenylether | ND(1.1) | ND(0.46) | NA | ND(0.42) | NA | ND(0.96) | ND(0.83) | ND(1.4) |
| 4-Chloro-3-Methylphenol | ND(1.1) | ND(0.46) | NA | ND(0.42) | NA | ND(0.96) | ND(0.83) | ND(1.4) |
| 4-Chloroaniline | ND(1.0) | ND(0.46) | NA | ND(0.42) | NA | ND(0.88) | ND(0.77) | ND(1.2) |
| 4-Chlorobenzilate | ND(1.0) | ND(0.46) | NA | ND(0.42) | NA | ND(0.91) | ND(0.79) | ND(1.3) |
| 4-Chlorophenyl-phenylether | ND(0.87) | ND(0.46) | NA | ND(0.42) | NA | ND(0.77) | ND(0.67) | ND(1.1) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(1.6) | ND(2.2) | NA | ND(2.0) | NA | ND(1.4) | ND(1.2) | ND(2.0) |
| 4-Nitrophenol | ND(6.5) | ND(2.2) | NA | ND(2.0) | NA | ND(5.8) | ND(5.0) | ND(8.1) |
| 4-Nitroquinoline-1-oxide | ND(6.9) | ND(4.6) | NA | ND(4.2) | NA | ND(6.1) | ND(5.3) | ND(8.6) |
| 4-Phenylenediamine | NA | ND(4.6) | NA | ND(4.2) | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | ND(1.4) | ND(0.93) | NA | ND(0.84) | NA | ND(1.3) | ND(1.1) | ND(1.8) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.59) | ND(0.93) | NA | ND(0.84) | NA | ND(0.52) | ND(0.45) | ND(0.74) |
| a,a'-Dimethylphenethylamine | ND(0.95) | ND(2.2) | NA | ND(2.0) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Acenaphthene | 0.46 J | 0.38 J | NA | ND(0.42) | NA | 2.3 | ND(0.73) | ND(1.2) |
| Acenaphthylene | ND(0.97) | 0.15 J | NA | 0.031 J | NA | 0.35 J | ND(0.74) | ND(1.2) |
| Acetophenone | ND(0.95) | ND(0.46) | NA | ND(0.42) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Aniline | ND(0.81) | ND(0.46) | NA | ND(0.42) | NA | 0.22 J | ND(0.62) | 0.50 J |
| Anthracene | 0.082 J | 0.42 J | NA | ND(0.42) | NA | 1.2 | ND(0.82) | ND(1.3) |
| Aramite | ND(0.95) | ND(2.2) | NA | ND(2.0) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Benzal chloride | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzidine | ND(2.3) | ND(4.6) | NA | ND(4.2) | NA | ND(2.0) | ND(1.8) | ND(2.8) |
| Benzo(a)anthracene | 0.066 J | 0.54 | NA | 0.043 J | NA | 2.6 | ND(0.73) | 0.13 J |
| Benzo(a)pyrene | 0.062 J | 0.45 | NA | 0.068 J | NA | 1.8 | ND(0.73) | 0.14 J |
| Benzo(b)fluoranthene | 1.0 JZ | 0.55 | NA | 0.091 J | NA | 1.8 | ND(0.85) | 0.18 J |
| Benzo(g,h,i)perylene | ND(0.90) | 0.084 J | NA | ND(0.42) | NA | 0.54 J | ND(0.69) | 0.068 J |
| Benzo(k)fluoranthene | 0.10 JZ | 0.24 J | NA | ND(0.42) | NA | 0.73 J | ND(0.69) | 0.065 J |
| Benzoic Acid | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzotrichloride | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzyl Alcohol | ND(0.79) | ND(0.46) | NA | ND(0.42) | NA | ND(0.70) | ND(0.61) | ND(0.99) |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-27 | E2SC-12 | E2SC-12 | E2SC-15 | E2SC-15 | EB-22 | EB-22 | EB-23 |
| Sample ID: | 227B1416 | E2SC-12-CS0615 | E2SC-12-SS05 | E2SC-15-CS0615 | E2SC-15-SS08 | 3-6C-EB-22 | 3-6C-EB-22 | 3-6C-EB-23 |
| Sample Depth(Feet): | 14-16 | 6-15 | 0-1 | 6-15 | 12-14 | 12-14 | 14-16 | 12-14 |
| Parameter / Date Collected: | 02/29/96 | 10/19/98 | 10/19/98 | 10/20/98 | 10/20/98 | 11/07/97 | 11/07/97 | 11/06/97 |
| **Semivolatile Organics (continued)** | | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.97) | ND(0.46) | NA | ND(0.42) | NA | ND(0.86) | ND(0.74) | ND(1.2) |
| bis(2-Chloroethyl)ether | ND(0.85) | ND(0.46) | NA | ND(0.42) | NA | ND(0.75) | ND(0.65) | ND(1.1) |
| bis(2-Chloroisopropyl)ether | ND(0.94) | ND(0.46) | NA | ND(0.42) | NA | ND(0.83) | ND(0.72) | ND(1.2) |
| bis(2-Ethylhexyl)phthalate | 0.19 J | 0.066 J | NA | 0.032 J | NA | ND(0.96) | ND(0.83) | ND(1.4) |
| Butylbenzylphthalate | ND(0.98) | ND(0.46) | NA | ND(0.42) | NA | ND(0.87) | ND(0.75) | ND(1.2) |
| Chrysene | 0.062 J | 0.66 | NA | 0.058 J | NA | 2.5 | ND(0.60) | 0.24 J |
| Cyclophosphamide | NA | NA | NA | NA | NA | NA | NA | NA |
| Diallate | NA | ND(0.93) | NA | ND(0.84) | NA | NA | NA | NA |
| Diallate (cis isomer) | ND(0.95) | NA | NA | NA | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Diallate (trans isomer) | ND(0.95) | NA | NA | NA | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Dibenz(a,j)acridine | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(0.62) | ND(0.46) | NA | ND(0.42) | NA | 0.15 J | ND(0.48) | ND(0.77) |
| Dibenzofuran | ND(1.0) | ND(0.46) | NA | ND(0.42) | NA | 0.093 J | ND(0.77) | 3.0 |
| Diethylphthalate | ND(1.0) | ND(0.46) | NA | ND(0.42) | NA | ND(0.92) | ND(0.80) | ND(1.3) |
| Dimethylphthalate | ND(1.4) | ND(0.46) | NA | ND(0.42) | NA | ND(1.2) | ND(1.1) | ND(1.7) |
| Di-n-Butylphthalate | 1.6 | 0.089 J | NA | ND(0.42) | NA | ND(0.98) | ND(0.85) | ND(1.4) |
| Di-n-Octylphthalate | ND(0.69) | ND(0.46) | NA | ND(0.42) | NA | ND(0.61) | ND(0.53) | ND(0.86) |
| Diphenylamine | ND(2.0) | ND(0.46) | NA | ND(0.42) | NA | ND(1.8) | ND(1.6) | ND(2.5) |
| Ethyl Methanesulfonate | ND(0.87) | ND(0.46) | NA | ND(0.42) | NA | ND(0.77) | ND(0.67) | ND(1.1) |
| Fluoranthene | 0.15 J | 1.2 | NA | 0.080 J | NA | 5.4 | ND(1.0) | 0.30 J |
| Fluorene | 0.19 J | 0.31 | NA | ND(0.17) | NA | 1.3 | ND(0.77) | 0.10 J |
| Hexachlorobenzene | ND(1.1) | ND(0.46) | NA | ND(0.42) | NA | ND(0.98) | ND(0.85) | ND(1.4) |
| Hexachlorobutadiene | ND(0.81) | ND(0.46) | NA | ND(0.42) | NA | ND(0.72) | ND(0.62) | ND(1.0) |
| Hexachlorocyclopentadiene | ND(0.95) | ND(2.2) | NA | ND(2.0) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Hexachloroethane | ND(0.87) | ND(0.46) | NA | ND(0.42) | NA | ND(0.77) | ND(0.67) | ND(1.1) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.82) | ND(1.8) | NA | ND(1.7) | NA | ND(0.73) | ND(0.63) | ND(1.0) |
| Indeno(1,2,3-cd)pyrene | ND(0.66) | 0.089 J | NA | ND(0.42) | NA | 0.50 J | ND(0.51) | 0.065 J |
| Isodrin | ND(1.3) | NA | NA | NA | NA | ND(1.2) | ND(1.0) | ND(1.7) |
| Isophorone | ND(0.98) | ND(0.46) | NA | ND(0.42) | NA | ND(0.87) | ND(0.75) | ND(1.2) |
| Isosafrole | ND(1.9) | ND(0.93) | NA | ND(0.84) | NA | ND(1.7) | ND(1.4) | ND(2.3) |
| Methapyrilene | ND(1.9) | ND(2.2) | NA | ND(2.0) | NA | ND(1.7) | ND(1.4) | ND(2.3) |
| Methyl Methanesulfonate | ND(1.0) | ND(0.46) | NA | ND(0.42) | NA | ND(0.89) | ND(0.78) | ND(1.3) |
| Naphthalene | ND(0.95) | 0.18 J | NA | ND(0.42) | NA | 0.96 | ND(0.73) | ND(1.2) |
| Nitrobenzene | ND(0.98) | ND(0.46) | NA | ND(0.42) | NA | ND(0.87) | ND(0.75) | ND(1.2) |
| N-Nitrosodiethylamine | ND(0.87) | ND(0.46) | NA | ND(0.42) | NA | ND(0.77) | ND(0.67) | ND(1.1) |
| N-Nitrosodimethylamine | ND(0.95) | ND(0.46) | NA | ND(0.42) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| N-Nitroso-di-n-butylamine | ND(2.0) | ND(0.46) | NA | ND(0.42) | NA | ND(1.8) | ND(1.6) | ND(2.5) |
| N-Nitroso-di-n-propylamine | ND(0.88) | ND(0.46) | NA | ND(0.42) | NA | ND(0.78) | ND(0.68) | ND(1.1) |
| N-Nitrosodiphenylamine | ND(2.0) | ND(0.46) | NA | ND(0.42) | NA | ND(1.8) | ND(1.6) | ND(2.5) |
| N-Nitrosomethylethylamine | ND(0.78) | ND(0.46) | NA | ND(0.42) | NA | ND(0.69) | ND(0.60) | ND(0.97) |
| N-Nitrosomorpholine | ND(1.1) | ND(0.46) | NA | ND(0.42) | NA | ND(0.96) | ND(0.83) | ND(1.4) |
| N-Nitrosopiperidine | ND(1.1) | ND(0.46) | NA | ND(0.42) | NA | ND(0.95) | ND(0.82) | ND(1.3) |
| N-Nitrosopyrrolidine | ND(0.77) | ND(0.46) | NA | ND(0.42) | NA | ND(0.68) | ND(0.59) | ND(2.3) |
| o,o,o-Triethylphosphorothioate | ND(7.7) | NA | NA | NA | NA | ND(6.8) | ND(5.9) | ND(9.5) |
| o-Toluidine | ND(2.9) | ND(0.93) | NA | ND(0.84) | NA | ND(2.6) | ND(2.2) | ND(3.6) |
| Paraldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | ND(0.97) | ND(0.93) | NA | ND(0.84) | NA | ND(0.86) | ND(0.74) | ND(1.2) |
| Pentachlorobenzene | ND(0.95) | ND(0.46) | NA | ND(0.42) | NA | ND(0.84) | ND(0.73) | ND(1.2) |
| Pentachloroethane | ND(1.2) | ND(2.2) | NA | ND(2.0) | NA | ND(1.1) | ND(0.92) | ND(1.5) |
| Pentachloronitrobenzene | NA | ND(2.2) | NA | ND(2.0) | NA | NA | NA | NA |
| Pentachlorophenol | ND(2.0) | ND(2.2) | NA | ND(2.0) | NA | ND(1.8) | ND(1.6) | ND(2.5) |
| Phenacetin | ND(0.88) | ND(0.93) | NA | ND(0.84) | NA | ND(0.78) | ND(0.68) | ND(1.1) |
| Phenanthrene | 0.61 J | 1.5 | NA | 0.042 J | NA | 2.3 | ND(0.69) | 0.25 J |
| Phenol | ND(0.82) | ND(0.46) | NA | ND(0.42) | NA | ND(0.73) | ND(0.63) | 0.13 J |
| Pronamide | ND(0.94) | ND(0.93) | NA | ND(0.84) | NA | ND(0.83) | ND(0.72) | ND(1.2) |
| Pyrene | 0.12 J | 1.1 | NA | 0.055 J | NA | 6.1 | ND(0.61) | 0.22 J |
| Pyridine | ND(0.79) | ND(0.93) | NA | ND(0.84) | NA | ND(0.70) | ND(0.61) | ND(0.99) |
| Safrole | ND(0.84) | ND(0.93) | NA | ND(0.84) | NA | ND(0.74) | ND(0.64) | ND(1.0) |
| Thionazin | ND(0.97) | NA | NA | NA | NA | ND(0.86) | ND(0.74) | ND(1.2) |
| Total Phenols | NA | NA | NA | NA | NA | NA | NA | NA |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-27 | E2SC-12 | E2SC-12 | E2SC-15 | E2SC-15 | EB-22 | EB-22 | EB-23 |
| Sample ID: | 227B1416 | E2SC-12-CS0615 | E2SC-12-SS05 | E2SC-15-CS0615 | E2SC-15-SS08 | 3-6C-EB-22 | 3-6C-EB-22 | 3-6C-EB-23 |
| Sample Depth(Feet): | 14-16 | 6-15 | 0-1 | 6-15 | 12-14 | 12-14 | 14-16 | 12-14 |
| Parameter / Date Collected: | 02/29/96 | 10/19/98 | 10/19/98 | 10/20/98 | 10/20/98 | 11/07/97 | 11/07/97 | 11/06/97 |
| **Organochlorine Pesticides** | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA |
| Kepone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA | NA |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA | NA |
| **Organophosphate Pesticides** | | | | | | | | |
| Dimethoate | NA | NA | NA | NA | NA | NA | NA | NA |
| Disulfoton | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | NA | NA |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | NA | NA |
| Phorate | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfotep | NA | NA | NA | NA | NA | NA | NA | NA |
| **Herbicides** | | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-D | NA | NA | NA | NA | NA | NA | NA | NA |
| Dinoseb | NA | ND(0.93) | NA | ND(0.84) | NA | NA | NA | NA |
| **Furans** | | | | | | | | |
| 2,3,7,8-TCDF | ND(0.000047) | 0.00031 g | NA | 0.0000028 g | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDF | ND(0.000019) | 0.00013 | NA | ND(0.0000011) | NA | NA | NA | NA |
| 2,3,4,7,8-PeCDF | ND(0.000019) | 0.00015 | NA | ND(0.0000017) | NA | NA | NA | NA |
| PeCDFs (total) | ND(0.000019) | 0.0048 | NA | 0.000043 | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDF | ND(0.000024) | 0.00049 | NA | ND(0.0000015) | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDF | ND(0.000024) | ND(0.00054) v | NA | ND(0.0000013) | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDF | ND(0.000024) | 0.0000099 | NA | ND(0.00000029) | NA | NA | NA | NA |
| 2,3,4,6,7,8-HxCDF | ND(0.000024) | 0.00019 | NA | ND(0.0000012) | NA | NA | NA | NA |
| HxCDFs (total) | ND(0.000024) | 0.0076 | NA | 0.000022 | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | ND(0.000052) | 0.0051 E | NA | 0.0000035 j | NA | NA | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | ND(0.000052) | 0.00043 | NA | ND(0.00000060) | NA | NA | NA | NA |
| HpCDFs (total) | ND(0.000052) | 0.011 | NA | 0.0000075 | NA | NA | NA | NA |
| OCDF | ND(0.000055) | 0.0036 | NA | ND(0.0000022) | NA | NA | NA | NA |
| **Dioxins** | | | | | | | | |
| 2,3,7,8-TCDD | ND(0.00017) | 0.000050 | NA | ND(0.00000039) | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDD | ND(0.000092) | 0.000085 | NA | ND(0.00000047) | NA | NA | NA | NA |
| PeCDDs (total) | ND(0.000092) | 0.00048 | NA | ND(0.0000026) | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDD | ND(0.000041) | 0.00012 | NA | ND(0.00000066) | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDD | ND(0.000041) | 0.00018 | NA | ND(0.00000063) | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDD | ND(0.000041) | 0.00021 | NA | ND(0.00000068) | NA | NA | NA | NA |
| HxCDDs (total) | ND(0.000041) | 0.0026 | NA | ND(0.00000068) | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | ND(0.000022) | 0.0015 | NA | ND(0.0000014) | NA | NA | NA | NA |
| HpCDDs (total) | ND(0.000022) | 0.0033 | NA | ND(0.0000021) | NA | NA | NA | NA |
| OCDD | ND(0.000084) | 0.0093 E | NA | 0.000014 | NA | NA | NA | NA |
| Total TEQs (WHO TEFs) | 0.00015 | 0.00047 | NA | 0.0000015 | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|
| Location ID: | 95-27 | E2SC-12 | E2SC-12 | E2SC-15 | E2SC-15 | EB-22 | EB-22 | EB-23 |
| Sample ID: | 227B1416 | E2SC-12-CS0615 | E2SC-12-SS05 | E2SC-15-CS0615 | E2SC-15-SS08 | 3-8C-EB-22 | 3-8C-EB-22 | 3-8C-EB-23 |
| Sample Depth(Feet): | 14-16 | 6-15 | 0-1 | 6-15 | 12-14 | 12-14 | 14-16 | 12-14 |
| Parameter / Date Collected: | 02/29/96 | 10/19/98 | 10/19/98 | 10/20/98 | 10/20/98 | 11/07/97 | 11/07/97 | 11/06/97 |
| Inorganics | | | | | | | | |
| Aluminum | NA | NA | NA | NA | NA | NA | NA | NA |
| Antimony | ND(0.260) N | 2.40 | NA | 0.290 B | NA | NA | NA | NA |
| Arsenic | 0.870 B | 3.60 | NA | 2.10 | NA | NA | NA | NA |
| Barium | 23.8 B | 34.3 | NA | 28.3 | NA | NA | NA | NA |
| Beryllium | 0.230 B | 0.270 B | NA | 0.280 B | NA | NA | NA | NA |
| Cadmium | ND(0.0300) | 0.710 | NA | ND(0.640) | NA | NA | NA | NA |
| Calcium | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 8.20 | 24.3 | NA | 9.10 | NA | NA | NA | NA |
| Cobalt | 5.60 B | 9.70 | NA | 7.30 | NA | NA | NA | NA |
| Copper | 13.4 | 33.2 | NA | 19.7 | NA | NA | NA | NA |
| Cyanide | NA | ND(3.50) | NA | ND(3.20) | NA | NA | NA | NA |
| Iron | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 8.60 * | 71.0 | NA | 7.50 | NA | NA | NA | NA |
| Magnesium | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | ND(0.140) | 0.250 | NA | 0.0320 B | NA | NA | NA | NA |
| Nickel | 10.0 | 15.9 | NA | 12.0 | NA | NA | NA | NA |
| Potassium | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | 0.590 BN | 0.540 B | NA | 0.560 B | NA | NA | NA | NA |
| Silver | ND(0.100) | ND(1.40) | NA | ND(1.30) | NA | NA | NA | NA |
| Sodium | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | 106 | NA | ND(255) | NA | NA | NA | NA |
| Thallium | ND(0.510) | 2.00 | NA | 1.70 | NA | NA | NA | NA |
| Tin | 1.60 B | ND(14.0) | NA | ND(12.8) | NA | NA | NA | NA |
| Vanadium | 6.50 B | 10.5 | NA | 10.2 | NA | NA | NA | NA |
| Zinc | 46.0 N | 105 | NA | 57.4 | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | EB-24 | EB-25 | EB-26 | EB-27 | ES2-2 | ES2-3 | ES2-4 | ES2-7 | X-1 |
| Sample ID: | 3-6C-EB-24 | 3-6C-EB-25 | 3-6C-EB-26 | 3-6C-EB-27 | P202B0608 | P203B1416 | P204B0610 | P207B0608 | P2X010204 |
| Sample Depth(Feet): | 12-14 | 0-0.5 | 12-14 | 10-12 | 6-8 | 14-16 | 8-10 | 6-8 | 2-4 |
| Parameter / Date Collected: | 11/06/97 | 11/05/97 | 11/04/97 | 11/07/97 | 01/14/91 | 01/02/91 | 01/11/91 | 01/16/91 | 07/02/91 |
| Volatile Organics | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | NA | NA | NA | NA | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| 1,1,1-Trichloroethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,1,2,2-Tetrachloroethane | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | NA | NA | NA | NA | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| 1,1,2-Trichloroethane | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,1-Dichloroethane | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,1-Dichloroethene | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,2,3-Trichloropropane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(4.6) | ND(0.022) | ND(0.020) | NA | ND(0.019) |
| 1,2-Dibromo-3-chloropropane | 0.0020 JB | ND(0.055) | ND(0.076) | ND(0.075) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| 1,2-Dibromoethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,2-Dichlorobenzene | ND(0.85) | NA | ND(0.89) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 1.6 J |
| 1,2-Dichloroethane | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,2-Dichloropropane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| 1,3-Dichlorobenzene | ND(0.73) | NA | ND(0.77) | NA | 2.2 J | ND(0.48) | ND(0.44) | 1.7 J | 2.4 J |
| 1,4-Dichlorobenzene | ND(0.75) | NA | ND(0.78) | NA | 8.1 | 0.053 J | ND(0.44) | 7.1 | 6.2 |
| 1,4-Dioxane | ND(74) | ND(56) | ND(77) | ND(76) | NA | NA | NA | NA | NA |
| 2-Butanone | 0.0090 J | ND(0.038) | ND(0.013) | ND(0.052) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| 2-Hexanone | ND(0.051) | ND(0.038) | ND(0.053) | ND(0.052) | ND(4.6) | ND(0.022) | ND(0.020) | NA | ND(0.019) |
| 3-Chloropropene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(4.6) | ND(0.022) | ND(0.020) | NA | ND(0.019) |
| 4-Methyl-2-pentanone | ND(0.036) | ND(0.027) | ND(0.038) | ND(0.037) | ND(4.6) | ND(0.022) | ND(0.020) | NA | ND(0.019) |
| Acetone | 0.022 J | 0.055 JB | 0.044 JB | 0.034 JB | ND(2.9) | 0.035 B | 0.037 B | NA | 0.010 J |
| Acetonitrile | ND(0.29) | ND(0.070) | ND(0.30) | ND(0.30) | NA | NA | NA | NA | NA |
| Acrolein | ND(0.33) | ND(0.25) | ND(0.35) | ND(0.34) | ND(27) | ND(0.13) | ND(0.12) | NA | ND(0.11) |
| Acrylonitrile | ND(0.30) | ND(0.23) | ND(0.32) | ND(0.31) | ND(36) | ND(0.17) | ND(0.16) | NA | ND(0.15) |
| Benzene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Bromodichloromethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Bromoform | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| Bromomethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Carbon Disulfide | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Carbon Tetrachloride | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Chlorobenzene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | 60 | 0.036 | ND(0.0070) | NA | 0.12 |
| Chloroethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| Chloroform | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Chloromethane | ND(0.051) | ND(0.038) | ND(0.053) | ND(0.052) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| cis-1,4-Dichloro-2-butene | NA | NA | NA | NA | ND(4.6) | ND(0.022) | ND(0.020) | NA | ND(0.019) |
| Crotonaldehyde | NA | NA | NA | NA | 55 | ND(0.14) | ND(0.13) | NA | ND(0.12) |
| Dibromochloromethane | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Dibromomethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| Dichlorodifluoromethane | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | NA | NA | NA | NA | NA |
| Ethyl Methacrylate | ND(0.036) | ND(0.027) | ND(0.038) | ND(0.037) | ND(2.9) | ND(0.014) | ND(0.013) | ND(5.2) | ND(0.012) |
| Ethylbenzene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | 42 | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Iodomethane | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| Isobutanol | ND(19) | ND(14) | ND(20) | ND(19) | NA | NA | NA | NA | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | NA | NA | NA | NA | NA |
| Methyl Methacrylate | ND(0.072) | ND(0.055) | ND(0.076) | ND(0.075) | NA | NA | NA | NA | NA |
| Methylene Chloride | 0.0030 JB | 0.018 | 0.018 J | 0.021 J | 1.2 JB | 0.065 B | 0.092 B | NA | 0.011 JB |
| Propionitrile | ND(0.86) | ND(0.65) | ND(0.89) | ND(0.88) | NA | NA | NA | NA | NA |
| Styrene | ND(0.014) | ND(0.011) | ND(0.015) | ND(0.015) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Tetrachloroethene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Toluene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | 1.1 J | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| trans-1,2-Dichloroethene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | NA | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | ND(0.022) | ND(0.016) | ND(0.023) | ND(0.022) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| trans-1,4-Dichloro-2-butene | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(4.6) | ND(0.022) | ND(0.020) | NA | ND(0.019) |
| Trichloromethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Trichlorofluoromethane | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(1.5) | ND(0.0070) | ND(0.0070) | NA | ND(0.0060) |
| Vinyl Acetate | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| Vinyl Chloride | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | ND(2.9) | ND(0.014) | ND(0.013) | NA | ND(0.012) |
| Xylenes (total) | ND(0.029) | ND(0.022) | ND(0.030) | ND(0.030) | 59 | ND(0.0070) | ND(0.0070) | NA | 0.0040 J |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | EB-24 | EB-25 | EB-26 | EB-27 | ES2-2 | ES2-3 | ES2-4 | ES2-7 | X-1 |
| Sample ID: | 3-6C-EB-24 | 3-6C-EB-25 | 3-6C-EB-26 | 3-6C-EB-27 | P202B0608 | P203B1416 | P204B0810 | P207B0608 | P2X010204 |
| Sample Depth(Feet): | 12-14 | 0-0.5 | 12-14 | 10-12 | 6-8 | 14-16 | 8-10 | 6-8 | 2-4 |
| Parameter / Date Collected: | 11/06/97 | 11/05/97 | 11/04/97 | 11/07/97 | 01/14/91 | 01/02/91 | 01/11/91 | 01/16/91 | 07/02/91 |
| **Semivolatile Organics** | | | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 5.8 J |
| 1,2,3,5-Tetrachlorobenzene | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 0.88 J |
| 1,2,4,5-Tetrachlorobenzene | ND(1.9) | NA | ND(2.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 1,2,4-Trichlorobenzene | ND(0.79) | NA | ND(0.83) | NA | 0.72 J | ND(0.48) | ND(0.44) | 0.97 J | 2.4 J |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(0.99) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 1,3,5-Trichlorobenzene | NA | NA | NA | NA | 0.53 J | ND(0.48) | ND(0.44) | ND(5.2) | 0.99 J |
| 1,3,5-Trinitrobenzene | ND(1.3) | NA | ND(1.4) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 1,3-Dinitrobenzene | ND(0.80) | NA | ND(0.84) | NA | NA | NA | NA | NA | NA |
| 1,4-Dinitrobenzene | NA | NA | NA | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 1,4-Naphthoquinone | ND(2.3) | NA | ND(2.4) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 1-Chloronaphthalene | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 1-Methylnaphthalene | NA | NA | NA | NA | 66 | ND(0.48) | ND(0.44) | 51 | 0.88 J |
| 1-Naphthylamine | ND(2.0) | NA | ND(2.1) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 2,3,4,6-Tetrachlorophenol | ND(2.0) | NA | ND(2.1) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 2,4,5-Trichlorophenol | ND(1.9) | NA | ND(2.0) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 2,4,6-Trichlorophenol | ND(1.9) | NA | ND(2.0) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 2,4-Dichlorophenol | ND(0.79) | NA | ND(0.83) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2,4-Dimethylphenol | ND(0.88) | NA | ND(0.92) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2,4-Dinitrophenol | ND(2.4) | NA | ND(2.6) | NA | ND(19) | ND(1.9) | ND(1.7) | ND(20) | ND(24) |
| 2,4-Dinitrotoluene | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2,6-Dichlorophenol | ND(1.7) | NA | ND(1.8) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 2,6-Dinitrotoluene | ND(1.1) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Acetylaminofluorene | ND(1.0) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Chloronaphthalene | ND(1.4) | NA | ND(1.5) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Chlorophenol | ND(0.90) | NA | ND(0.96) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 0.95 J |
| 2-Methylnaphthalene | ND(1.2) | NA | ND(1.3) | NA | 29 | ND(0.48) | ND(0.44) | 17 | ND(6.1) |
| 2-Methylphenol | ND(0.93) | NA | ND(0.98) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Naphthylamine | ND(1.2) | NA | ND(1.3) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 2-Nitroaniline | ND(1.6) | NA | ND(1.6) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Nitrophenol | ND(0.89) | NA | ND(0.93) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Phenylenediamine | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 2-Picoline | ND(1.7) | NA | ND(1.8) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 3&4-Methylphenol | ND(1.9) | NA | ND(2.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 3,3'-Dichlorobenzidine | ND(0.72) | NA | ND(0.75) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 3,3'-Dimethoxybenzidine | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 3,3'-Dimethylbenzidine | ND(1.4) | NA | ND(1.5) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 3-Methylcholanthrene | ND(0.88) | NA | ND(0.92) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 3-Nitroaniline | ND(0.99) | NA | ND(1.0) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 3-Phenylenediamine | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4,4'-Methylene-bis(2-chloroaniline) | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4,6-Dinitro-2-methylphenol | ND(2.6) | NA | ND(2.7) | NA | ND(14) | ND(1.4) | ND(1.3) | ND(16) | ND(18) |
| 4-Aminobiphenyl | ND(0.59) | NA | ND(0.62) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Bromophenyl-phenylether | ND(1.1) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Chloro-3-Methylphenol | ND(1.1) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Chloroaniline | ND(0.99) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Chlorobenzilate | ND(1.0) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Chlorophenyl-phenylether | ND(0.86) | NA | ND(0.90) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(1.6) | NA | ND(1.6) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 4-Nitrophenol | ND(6.5) | NA | ND(6.8) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 4-Nitroquinoline-1-oxide | ND(6.9) | NA | ND(7.2) | NA | NA | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| 5-Nitro-o-toluidine | ND(1.4) | NA | ND(1.5) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.59) | NA | ND(0.62) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| a,a'-Dimethylphenethylamine | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Acenaphthene | ND(0.95) | NA | ND(0.99) | NA | 26 | 0.14 J | ND(0.44) | 24 | 1.8 J |
| Acenaphthylene | ND(0.96) | NA | ND(1.0) | NA | 2.9 J | ND(0.48) | ND(0.44) | 3.7 J | ND(6.1) |
| Acetophenone | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Aniline | ND(0.80) | NA | ND(0.84) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 0.94 J |
| Anthracene | ND(1.1) | NA | ND(1.1) | NA | 13 | ND(0.48) | ND(0.44) | 13 | 2.8 J |
| Aramite | ND(0.95) | NA | ND(0.99) | NA | NA | NA | NA | NA | NA |
| Benzal chloride | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Benzidine | ND(2.3) | NA | ND(2.4) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 6.1 |
| Benzo(a)anthracene | ND(0.95) | NA | ND(0.99) | NA | 11 | ND(0.48) | ND(0.44) | 13 | 2.8 J |
| Benzo(a)pyrene | ND(0.95) | NA | ND(0.99) | NA | 8.3 | ND(0.48) | ND(0.44) | 12 | ND(6.1) |
| Benzo(b)fluoranthene | ND(1.1) | NA | ND(1.2) | NA | 10 Z | ND(0.48) | ND(0.44) | 14 Z | 4.4 JZ |
| Benzo(g,h,i)perylene | ND(0.89) | NA | ND(0.93) | NA | 2.1 J | ND(0.48) | ND(0.44) | 5.5 | ND(6.1) |
| Benzo(k)fluoranthene | ND(0.89) | NA | ND(0.92) | NA | 10 Z | ND(0.48) | ND(0.44) | 14 Z | 4.4 JZ |
| Benzoic Acid | NA | NA | NA | NA | ND(47) | ND(4.8) | ND(4.4) | ND(52) | ND(61) |
| Benzotrichloride | NA | NA | NA | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| Benzyl Alcohol | ND(0.79) | NA | ND(0.83) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | EB-24 | EB-25 | EB-26 | EB-27 | ES2-2 | ES2-3 | ES2-4 | ES2-7 | X-1 |
| Sample ID: | 3-6C-EB-24 | 3-6C-EB-25 | 3-6C-EB-26 | 3-6C-EB-27 | P202B0608 | P203B1416 | P204B0810 | P207B0808 | P2X010204 |
| Sample Depth(Feet): | 12-14 | 0-0.5 | 12-14 | 10-12 | 6-8 | 14-16 | 8-10 | 6-8 | 2-4 |
| Parameter / Date Collected: | 11/06/97 | 11/05/97 | 11/04/97 | 11/07/97 | 01/14/91 | 01/02/91 | 01/11/91 | 01/16/91 | 07/02/91 |
| **Semivolatile Organics (continued)** | | | | | | | | | |
| Benzyl Chloride | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| bis(2-Chloroethoxy)methane | ND(0.96) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| bis(2-Chloroethyl)ether | ND(0.85) | NA | ND(0.89) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| bis(2 Chloroisopropyl)ether | ND(0.93) | NA | ND(0.98) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| bis(2-Ethylhexyl)phthalate | ND(1.1) | NA | 0.095 J | NA | ND(4.7) | ND(0.48) | ND(0.44) | 1.4 J | 0.64 J |
| Butylbenzylphthalate | ND(0.96) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Chrysene | ND(0.77) | NA | ND(0.81) | NA | 9.7 | ND(0.48) | ND(0.44) | 14 | 2.5 J |
| Cyclophosphamide | NA | NA | NA | NA | ND(23) | ND(2.3) | ND(2.1) | ND(25) | ND(30) |
| Dialiate | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Diallate (cis isomer) | ND(0.95) | NA | ND(0.99) | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | ND(0.95) | NA | ND(0.99) | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Dibenzo(a,h)anthracene | ND(0.62) | NA | ND(0.65) | NA | 0.76 J | ND(0.48) | ND(0.44) | 1.9 J | ND(6.1) |
| Dibenzofuran | ND(0.99) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 0.72 J |
| Diethylphthalate | ND(1.0) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Dimethylphthalate | ND(1.4) | NA | ND(1.5) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Di-n-Butylphthalate | ND(1.1) | NA | ND(1.2) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Di-n-Octylphthalate | ND(0.69) | NA | ND(0.72) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Diphenylamine | ND(2.0) | NA | ND(2.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Ethyl Methanesulfonate | ND(0.86) | NA | ND(0.90) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Fluoranthene | ND(1.3) | NA | ND(1.4) | NA | 21 | ND(0.48) | ND(0.44) | 25 | 5.3 J |
| Fluorene | ND(0.99) | NA | ND(1.0) | NA | 18 | ND(0.48) | ND(0.44) | 16 | 1.2 J |
| Hexachlorobenzene | ND(1.1) | NA | ND(1.2) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Hexachlorobutadiene | ND(0.80) | NA | ND(0.84) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Hexachlorocyclopentadiene | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Hexachloroethane | ND(0.86) | NA | ND(0.90) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.82) | NA | ND(0.86) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Indeno(1,2,3-cd)pyrene | ND(0.66) | NA | ND(0.69) | NA | 1.8 J | ND(0.48) | ND(0.44) | 4.2 J | ND(6.1) |
| Isodrin | ND(1.3) | NA | ND(1.4) | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.98) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Isosafrole | ND(1.9) | NA | ND(2.0) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| Methapyrilene | ND(1.9) | NA | ND(2.0) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| Methyl Methanesulfonate | ND(1.0) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Naphthalene | ND(0.95) | NA | ND(0.99) | NA | 42 | ND(0.48) | ND(0.44) | 31 | 0.74 J |
| Nitrobenzene | ND(0.98) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitrosodiethylamine | ND(0.86) | NA | ND(0.90) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitrosodimethylamine | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitroso-di-n-butylamine | ND(2.0) | NA | ND(2.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitroso-di-n-propylamine | ND(0.88) | NA | ND(0.92) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 0.96 J |
| N-Nitrosodiphenylamine | ND(2.0) | NA | ND(2.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitrosomethylethylamine | ND(0.77) | NA | ND(0.81) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitrosomorpholine | ND(1.1) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitrosopiperidine | ND(1.1) | NA | ND(1.1) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| N-Nitrosopyrrolidine | ND(0.76) | NA | ND(0.80) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| o,o,o-Triethylphosphorothioate | ND(7.6) | NA | ND(8.0) | NA | NA | NA | NA | NA | NA |
| o-Toluidine | ND(2.9) | NA | ND(3.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Paraldehyde | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| p-Dimethylaminoazobenzene | ND(0.96) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Pentachlorobenzene | ND(0.95) | NA | ND(0.99) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 2.6 J |
| Pentachloroethane | ND(1.2) | NA | ND(1.2) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Pentachloronitrobenzene | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Pentachlorophenol | ND(2.0) | NA | ND(2.1) | NA | ND(9.5) | ND(0.96) | ND(0.88) | ND(10) | ND(12) |
| Phenacetin | ND(0.88) | NA | ND(0.92) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Phenanthrene | ND(0.89) | NA | ND(0.93) | NA | 55 | ND(0.48) | ND(0.44) | 45 | 2.0 J |
| Phenol | ND(0.82) | NA | ND(0.86) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | 2.2 J |
| Pronamide | ND(0.93) | NA | ND(0.98) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Pyrene | ND(1.0) | NA | ND(1.1) | NA | 18 | ND(0.48) | ND(0.44) | 32 | ND(6.9) |
| Pyridine | ND(0.79) | NA | ND(0.83) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Safrole | ND(0.83) | NA | ND(0.87) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Thionazin | ND(0.96) | NA | ND(1.0) | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(5.2) | ND(6.1) |
| Total Phenols | NA | NA | NA | NA | 3.3 | ND(0.15) | 0.93 | 2.9 | 4.8 |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|
| Location ID: | EB-24 | EB-25 | EB-26 | EB-27 | ES2-2 | ES2-3 | ES2-4 | ES2-7 | X-1 |
| Sample ID: | 3-6C-EB-24 | 3-6C-EB-25 | 3-6C-EB-26 | 3-6C-EB-27 | P202B0608 | P203B1416 | P204B0810 | P207B0608 | P2X010204 |
| Sample Depth(Feet): | 12-14 | 0-0.5 | 12-14 | 10-12 | 6-8 | 14-16 | 8-10 | 6-8 | 2-4 |
| Parameter / Date Collected: | 11/06/97 | 11/05/97 | 11/04/97 | 11/07/97 | 01/14/91 | 01/02/91 | 01/11/91 | 01/16/91 | 07/02/91 |
| **Organochlorine Pesticides** | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.7) |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.7) |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.7) |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | 6.9 |
| Alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.74) |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.74) |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.7) |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.99) |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.2) |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Kepone | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.49) |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | ND(1.7) |
| Technical Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | ND(2.0) |
| Toxaphene | NA | NA | NA | NA | NA | NA | NA | NA | ND(9.9) |
| **Organophosphate Pesticides** | | | | | | | | | |
| Dimethoate | NA | NA | NA | NA | ND(4.7) | ND(0.48) | ND(0.44) | ND(0.010) | ND(0.012) |
| Disulfoton | NA | NA | NA | NA | NA | NA | NA | ND(0.010) | ND(0.012) |
| Ethyl Parathion | NA | NA | NA | NA | NA | NA | NA | ND(0.010) | ND(0.012) |
| Famphur | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | NA | NA | NA | NA | NA | NA | NA | ND(0.010) | ND(0.012) |
| Phorate | NA | NA | NA | NA | NA | NA | NA | ND(0.010) | ND(0.012) |
| Sulfotep | NA | NA | NA | NA | NA | NA | NA | ND(0.010) | ND(0.012) |
| **Herbicides** | | | | | | | | | |
| 2,4,5-T | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.031) |
| 2,4,5-TP | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.031) |
| 2,4-D | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.12) |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | | | |
| 2,3,7,8-TCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PeCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HxCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HpCDFs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| OCDF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Dioxins** | | | | | | | | | |
| 2,3,7,8-TCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PeCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HxCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| HpCDDs (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| OCDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total TEQs (WHO TEFs) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|---|---|---|
| | Location ID: | EB-24 | EB-25 | EB-26 | EB-27 | ES2-2 | ES2-3 | ES2-4 | ES2-7 | X-1 |
| | Sample ID: | 3-6C-EB-24 | 3-6C-EB-25 | 3-6C-EB-26 | 3-6C-EB-27 | P202B0608 | P203B1416 | P204B0810 | P207B0608 | P2X010204 |
| | Sample Depth(Feet): | 12-14 | 0-0.5 | 12-14 | 10-12 | 6-8 | 14-16 | 8-10 | 6-8 | 2-4 |
| | Date Collected: | 11/06/97 | 11/05/97 | 11/04/97 | 11/07/97 | 01/14/91 | 01/02/91 | 01/11/91 | 01/16/91 | 07/02/91 |
| Inorganics | | | | | | | | | | |
| Aluminum | | NA | NA | NA | NA | 11000 | 5700 | 10000 | 13000 | 11100 |
| Antimony | | NA | NA | NA | NA | ND(1.40) | ND(1.50) | ND(1.20) | ND(1.60) | ND(4.00) N |
| Arsenic | | NA | NA | NA | NA | 26.0 | 5.20 | 12.0 | 22.0 | 14.5 N |
| Barium | | NA | NA | NA | NA | 79.0 | ND(31.0) | 56.0 | 46.0 | 46.9 |
| Beryllium | | NA | NA | NA | NA | 1.00 | ND(0.770) | ND(0.610) | ND(0.790) | 0.200 B |
| Cadmium | | NA | NA | NA | NA | 17.0 | ND(0.770) | ND(0.610) | 1.30 | 7.00 |
| Calcium | | NA | NA | NA | NA | 11000 | 7100 | 11000 | 5200 | 16800 E* |
| Chromium | | NA | NA | NA | NA | 880 | 7.50 | 18.0 | 40.0 | 54.2 |
| Cobalt | | NA | NA | NA | NA | 16.0 | ND(7.70) | 8.50 | 14.0 | 15.8 |
| Copper | | NA | NA | NA | NA | 270 | 12.0 | 26.0 | 49.0 | 289 * |
| Cyanide | | NA | NA | NA | NA | 1.30 | NA | ND(0.010) | 0.70 | ND(0.020) |
| Iron | | NA | NA | NA | NA | 30000 | 11000 | 22000 | 17000 | 39800 E |
| Lead | | NA | NA | NA | NA | 8200 | ND(15.0) | 38.0 | 150 | 142 |
| Magnesium | | NA | NA | NA | NA | 4200 | 7200 | 11000 | 11000 | 18500 * |
| Manganese | | NA | NA | NA | NA | 660 | 170 | 490 | 570 | 1940 |
| Mercury | | NA | NA | NA | NA | 1.70 | ND(0.150) | ND(0.120) | ND(0.160) | 5.50 N* |
| Nickel | | NA | NA | NA | NA | 27.0 | 15.0 | 15.0 | 24.0 | 72.4 |
| Potassium | | NA | NA | NA | NA | ND(720) | ND(770) | 670 | 1100 | 1050 |
| Selenium | | NA | NA | NA | NA | 5.20 | ND(0.770) | ND(0.610) | ND(0.790) | ND(2.50) N |
| Silver | | NA | NA | NA | NA | 5.60 | ND(1.50) | ND(1.20) | 1.70 | ND(0.010) N |
| Sodium | | NA | NA | NA | NA | ND(720) | ND(770) | ND(610) | ND(790) | 185 B |
| Sulfide | | NA | NA | NA | NA | NA | NA | NA | NA | ND(12.3) |
| Thallium | | NA | NA | NA | NA | ND(1.40) | ND(1.50) | ND(1.20) | ND(1.60) | ND(0.250) WN |
| Tin | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | | NA | NA | NA | NA | 22.0 | 8.80 | 15.0 | 150 | 29.4 |
| Zinc | | NA | NA | NA | NA | 4000 | 5.50 | 68.0 | 65.0 | 257 E |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Y-1 | Y-2 | Y-3 | Y-4 | Y-5 | Y-6 | Y-7 |
| Sample ID: | P2Y010810 | P2Y020608 | P2Y030810 | P2Y040406 | P2Y050406 | P2Y060406 | P2Y070406 |
| Sample Depth(Feet): | 8-10 | 6-8 | 8-10 | 4-6 | 4-6 | 4-6 | 4-6 |
| Parameter / Date Collected: | 06/06/91 | 06/07/91 | 06/05/91 | 06/05/91 | 06/06/91 | 06/11/91 | 06/06/91 |
| **Volatile Organics** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,1,1-trichloro-2,2,2-trifluoroethane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| 1,1,1-Trichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,1,2,2-Tetrachloroethane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| 1,1,2-trichloro-1,2,2-trifluoroethane | 0.0030 JB | ND(0.012) | 0.0030 JB | 0.0030 JB | 0.0040 JB | 0.0030 JB | 0.0040 JB |
| 1,1,2-Trichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,1-Dichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,1-Dichloroethene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,2,3-Trichloropropane | ND(0.018) | ND(0.017) | ND(0.016) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.019) |
| 1,2-Dibromo-3-chloropropane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| 1,2-Dibromoethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,2-Dichlorobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,2-Dichloroethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,2-Dichloroethene (total) | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,2-Dichloropropane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| 1,3-Dichlorobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,4-Dichlorobenzene | 0.83 | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,4-Dioxane | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloroethylvinylether | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| 2-Hexanone | ND(0.018) | ND(0.017) | ND(0.016) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.019) |
| 3-Chloropropene | ND(0.018) | ND(0.017) | ND(0.016) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.019) |
| 4-Methyl-2-pentanone | ND(0.018) | ND(0.017) | ND(0.016) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.019) |
| Acetone | 0.0090 JB | 0.047 B | 0.0090 JB | 0.021 B | ND(0.022) | 0.051 B | 0.017 B |
| Acetonitrile | NA | NA | NA | NA | NA | NA | NA |
| Acrolein | ND(0.11) | ND(0.10) | ND(0.099) | ND(0.11) | ND(0.11) | ND(0.11) | ND(0.11) |
| Acrylonitrile | ND(0.15) | ND(0.14) | ND(0.13) | ND(0.15) | ND(0.14) | ND(0.15) | ND(0.15) |
| Benzene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Bromodichloromethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Bromoform | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Bromomethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Carbon Disulfide | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Carbon Tetrachloride | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Chlorobenzene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Chloroethane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Chloroform | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Chloromethane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| cis-1,4-Dichloro-2-butene | ND(0.018) | ND(0.017) | ND(0.016) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.019) |
| Crotonaldehyde | ND(0.12) | ND(0.12) | ND(0.11) | ND(0.12) | ND(0.12) | ND(0.12) | ND(0.12) |
| Dibromochloromethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Dibromomethane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | NA | NA |
| Ethyl Methacrylate | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Ethylbenzene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | 0.0030 J | ND(0.0060) | ND(0.0060) |
| Iodomethane | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Isobutanol | NA | NA | NA | NA | NA | NA | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | NA | NA |
| Methacrylonitrile | NA | NA | NA | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 0.030 B | 0.039 B | 0.018 B | 0.029 B | ND(0.047) | 0.045 B | 0.031 B |
| Propionitrile | NA | NA | NA | NA | NA | NA | NA |
| Styrene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Tetrachloroethene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Toluene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| trans-1,4-Dichloro-2-butene | ND(0.018) | ND(0.017) | ND(0.016) | ND(0.019) | ND(0.018) | ND(0.019) | ND(0.019) |
| Trichloroethene | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Trichlorofluoromethane | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | ND(0.0060) | ND(0.0060) | ND(0.0060) |
| Vinyl Acetate | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Vinyl Chloride | ND(0.012) | ND(0.012) | ND(0.011) | ND(0.012) | ND(0.012) | ND(0.012) | ND(0.012) |
| Xylenes (total) | ND(0.0060) | ND(0.0060) | ND(0.0050) | ND(0.0060) | 0.0030 J | ND(0.0060) | ND(0.0060) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Y-1 | Y-2 | Y-3 | Y-4 | Y-5 | Y-6 | Y-7 |
| Sample ID: | P2Y010810 | P2Y020608 | P2Y030810 | P2Y040406 | P2Y050406 | P2Y060406 | P2Y070406 |
| Sample Depth(Feet): | 8-10 | 6-8 | 8-10 | 4-6 | 4-6 | 4-6 | 4-6 |
| Parameter Date Collected: | 06/08/91 | 06/07/91 | 06/05/91 | 06/05/91 | 06/06/91 | 06/11/91 | 06/06/91 |
| **Semivolatile Organics** | | | | | | | |
| 1,2,3,4-Tetrachlorobenzene | 0.88 | 0.18 J | 0.20 J | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,2,3,5-Tetrachlorobenzene | 0.96 Z | ND(0.80) | 0.18 JZ | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,2,3-Trichlorobenzene | 0.92 | 0.12 J | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,2,4,5-Tetrachlorobenzene | 0.96 Z | ND(0.80) | 0.18 JZ | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,2,4-Trichlorobenzene | 3.7 | 0.42 J | 0.12 J | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,2-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Diphenylhydrazine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,3,5-Trichlorobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1,3,5-Trinitrobenzene | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dinitrobenzene | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 1,4-Naphthoquinone | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 1-Chloronaphthalene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 1-Methylnaphthalene | ND(0.80) | 0.54 J | 0.10 J | 2.1 J | 29 | ND(0.41) | 0.033 J |
| 1-Naphthylamine | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 2,3,4,6-Tetrachlorophenol | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 2,4,5-Trichlorophenol | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 2,4,6-Trichlorophenol | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 2,4-Dichlorophenol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2,4-Dimethylphenol | 1.1 | ND(0.80) | ND(0.71) | ND(6.0) | 1.4 J | ND(0.41) | ND(0.81) |
| 2,4-Dinitrophenol | ND(3.2) | ND(3.1) | ND(2.8) | ND(24) | ND(23) | ND(1.6) | ND(3.2) |
| 2,4-Dinitrotoluene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2,6-Dichlorophenol | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 2,6-Dinitrotoluene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Acetylaminofluorene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Chloronaphthalene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Chlorophenol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Methylnaphthalene | ND(0.80) | 0.35 J | ND(0.71) | 1.1 J | 18 | ND(0.41) | ND(0.81) |
| 2-Methylphenol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | 0.63 J | ND(0.41) | ND(0.81) |
| 2-Naphthylamine | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 2-Nitroaniline | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Nitrophenol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Phenylenediamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 2-Picoline | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 3&4-Methylphenol | 1.0 | ND(0.80) | ND(0.71) | ND(6.0) | 1.5 J | ND(0.41) | ND(0.81) |
| 3,3'-Dichlorobenzidine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 3,3'-Dimethoxybenzidine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 3,3'-Dimethylbenzidine | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 3-Methylcholanthrene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | 0.098 J |
| 3-Nitroaniline | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 3-Phenylenediamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4,4'-Methylene-bis(2-chloroaniline) | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4,6-Dinitro-2-methylphenol | ND(2.4) | ND(2.4) | ND(2.1) | ND(18) | ND(18) | ND(1.2) | ND(2.4) |
| 4-Aminobiphenyl | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Bromophenyl-phenylether | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Chloro-3-Methylphenol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Chloroaniline | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Chlorobenzilate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Chlorophenyl-phenylether | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 4-Nitrophenol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA | NA | NA | NA |
| 4-Phenylenediamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| 5-Nitro-o-toluidine | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| a,a'-Dimethylphenethylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Acenaphthene | 1.2 | 1.8 | 0.20 J | 3.1 J | 61 | ND(0.41) | 0.12 J |
| Acenaphthylene | 4.2 | 2.5 | 0.14 J | ND(6.0) | 1.3 J | ND(0.41) | 0.16 J |
| Acetophenone | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Aniline | 4.8 | ND(0.80) | 0.28 J | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Anthracene | 2.9 | 8.8 | 0.96 | 11 | 98 E | ND(0.41) | 0.68 J |
| Aramite | NA | NA | NA | NA | NA | NA | NA |
| Benzal chloride | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Benzidine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Benzo(a)anthracene | 14 | 24 E | 3.7 | 33 | 120 E | 0.15 J | 2.5 |
| Benzo(a)pyrene | 23 | 13 E | 3.7 | 24 | 99 E | 0.18 J | 2.8 |
| Benzo(b)fluoranthene | 10 | 28 EZ | 7.6 Z | 48 Z | 180 E | 0.36 JZ | 2.0 |
| Benzo(g,h,i)perylene | 16 | 5.3 | 1.3 | 14 | 40 | 0.073 J | 1.1 |
| Benzo(k)fluoranthene | 25 | 28 EZ | 7.6 Z | 46 Z | 180 E | 0.36 JZ | 4.6 |
| Benzoic Acid | ND(8.0) | ND(8.0) | ND(7.1) | ND(60) | ND(60) | ND(4.1) | ND(8.1) |
| Benzotrichloride | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| Benzyl Alcohol | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Y-1 | Y-2 | Y-3 | Y-4 | Y-5 | Y-6 | Y-7 |
| Sample ID: | P2Y010810 | P2Y020608 | P2Y030810 | P2Y040406 | P2Y050406 | P2Y060405 | P2Y070406 |
| Sample Depth(Feet): | 8-10 | 6-8 | 8-10 | 4-6 | 4-6 | 4-6 | 4-6 |
| Parameter / Date Collected: | 06/06/91 | 06/07/91 | 06/05/91 | 06/05/91 | 06/06/91 | 06/11/91 | 06/06/91 |
| **Semivolatile Organics (continued)** | | | | | | | |
| Benzyl Chloride | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| bis(2-Chloroethoxy)methane | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| bis(2-Chloroethyl)ether | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| bis(2-Chloroisopropyl)ether | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| bis(2-Ethylhexyl)phthalate | 6.4 B | ND(0.80) | 0.50 JB | 0.78 JB | ND(6.0) | 0.32 JB | 0.60 JB |
| Butylbenzylphthalate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Chrysene | 16 | 20 E | 3.7 | 31 | 120 E | 0.18 J | 2.3 |
| Cyclophosphamide | ND(3.9) | ND(3.9) | ND(3.4) | ND(29) | ND(29) | ND(2.0) | ND(4.0) |
| Diallate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Diallate (cis isomer) | NA | NA | NA | NA | NA | NA | NA |
| Diallate (trans isomer) | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,j)acridine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Dibenzo(a,h)anthracene | 5.0 | 3.2 | 0.83 | 6.2 | 20 | ND(0.41) | 0.47 J |
| Dibenzofuran | ND(0.80) | 1.4 | ND(0.71) | ND(6.0) | 47 | ND(0.41) | 0.13 J |
| Diethylphthalate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Dimethylphthalate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Di-n-Butylphthalate | 2.3 | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | 0.11 J |
| Di-n-Octylphthalate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Diphenylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Ethyl Methanesulfonate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Fluoranthene | 13 | 22 E | 6.5 | 55 | 260 E | 0.18 J | 4.2 |
| Fluorene | 1.8 | 3.1 | ND(0.71) | 5.9 J | 67 | ND(0.41) | 0.19 J |
| Hexachlorobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Hexachlorobutadiene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Hexachlorocyclopentadiene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Hexachloroethane | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Hexachlorophene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloropropene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Indeno(1,2,3-cd)pyrene | 11 | 6.4 | 1.5 | 13 | 39 | 0.062 J | 1.1 |
| Isodrin | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Isosafrole | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| Methapyrilene | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| Methyl Methanesulfonate | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Naphthalene | 1.5 | 1.6 | 0.14 J | 2.4 J | 66 | ND(0.41) | 0.12 J |
| Nitrobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | 0.10 J | ND(0.81) |
| N-Nitrosodiethylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitrosodimethylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitroso-di-n-butylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitroso-di-n-propylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitrosodiphenylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitrosomethylethylamine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitrosomorpholine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitrosopiperidine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| N-Nitrosopyrrolidine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | NA | NA | NA |
| o-Toluidine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Paraldehyde | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| p-Dimethylaminoazobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Pentachlorobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Pentachloroethane | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Pentachloronitrobenzene | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Pentachlorophenol | ND(1.6) | ND(1.6) | ND(1.4) | ND(12) | ND(12) | ND(0.82) | ND(1.6) |
| Phenacetin | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Phenanthrene | 8.1 | 25 E | 4.5 | 84 | 270 E | 0.080 J | 2.6 |
| Phenol | 4.1 | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Pronamide | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Pyrene | 21 | 38 E | 4.4 | 54 | 180 E | 0.21 J | 4.4 |
| Pyridine | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Safrole | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Thionazin | ND(0.80) | ND(0.80) | ND(0.71) | ND(6.0) | ND(6.0) | ND(0.41) | ND(0.81) |
| Total Phenols | 0.95 | 0.27 | 0.27 | 0.20 | 14 | ND(0.13) | ND(0.11) |
| Tributylphosphate | NA | NA | NA | NA | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Y-1 | Y-2 | Y-3 | Y-4 | Y-5 | Y-6 | Y-7 |
| Sample ID: | P2Y010810 | P2Y020608 | P2Y030810 | P2Y040406 | P2Y050406 | P2Y060406 | P2Y070406 |
| Sample Depth(Feet): | 8-10 | 6-8 | 8-10 | 4-6 | 4-6 | 4-6 | 4-6 |
| Parameter / Date Collected: | 06/06/91 | 06/07/91 | 06/05/91 | 06/05/91 | 06/06/91 | 06/11/91 | 06/06/91 |
| **Organochlorine Pesticides** | | | | | | | |
| 4,4'-DDD | ND(0.069) | ND(0.069) | ND(0.075) | ND(0.043) | ND(0.17) | ND(0.0034) | ND(0.0035) |
| 4,4'-DDE | ND(0.069) | ND(0.069) | ND(0.075) | ND(0.043) | ND(0.17) | ND(0.0034) | ND(0.0035) |
| 4,4'-DDT | ND(0.069) | ND(0.069) | ND(0.075) | ND(0.043) | ND(0.17) | ND(0.0034) | ND(0.0035) |
| Aldrin | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Alpha-BHC | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Beta-BHC | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Delta-BHC | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Dieldrin | ND(0.029) | ND(0.029) | ND(0.032) | ND(0.018) | ND(0.073) | ND(0.0015) | ND(0.0015) |
| Endosulfan I | ND(0.029) | ND(0.029) | ND(0.032) | ND(0.018) | ND(0.073) | ND(0.0015) | ND(0.0015) |
| Endosulfan II | ND(0.069) | ND(0.069) | ND(0.075) | ND(0.043) | ND(0.17) | ND(0.0034) | ND(0.0035) |
| Endosulfan Sulfate | ND(0.039) | ND(0.039) | ND(0.043) | ND(0.024) | ND(0.097) | ND(0.0020) | ND(0.0020) |
| Endrin | ND(0.049) | ND(0.049) | ND(0.053) | ND(0.031) | ND(0.12) | ND(0.0024) | ND(0.0025) |
| Endrin Aldehyde | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA |
| Gamma-BHC (Lindane) | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Heptachlor | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Heptachlor Epoxide | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Kepone | ND(0.020) | ND(0.020) | ND(0.021) | ND(0.012) | ND(0.048) | ND(0.0010) | ND(0.0010) |
| Methoxychlor | ND(0.069) | ND(0.069) | ND(0.075) | ND(0.043) | ND(0.17) | ND(0.0034) | ND(0.0035) |
| Technical Chlordane | ND(0.078) | ND(0.078) | ND(0.085) | ND(0.049) | ND(0.19) | ND(0.0039) | ND(0.0040) |
| Toxaphene | ND(0.39) | ND(0.39) | 22 | ND(0.24) | ND(0.97) | ND(0.020) | ND(0.020) |
| **Organophosphate Pesticides** | | | | | | | |
| Dimethoate | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.011) | ND(0.010) | ND(0.010) |
| Disulfoton | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.011) | ND(0.010) | ND(0.010) |
| Ethyl Parathion | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.011) | ND(0.010) | ND(0.010) |
| Famphur | NA | NA | NA | NA | NA | NA | NA |
| Methyl Parathion | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.011) | ND(0.010) | ND(0.010) |
| Phorate | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.011) | ND(0.010) | ND(0.010) |
| Sulfotep | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.011) | ND(0.010) | ND(0.010) |
| **Herbicides** | | | | | | | |
| 2,4,5-T | ND(0.25) | ND(0.025) | NA | NA | ND(0.025) | ND(0.031) | ND(0.031) |
| 2,4,5-TP | ND(0.25) | ND(0.025) | NA | NA | ND(0.025) | ND(0.031) | ND(0.031) |
| 2,4-D | ND(1.0) | ND(0.10) | NA | NA | ND(0.10) | ND(0.13) | ND(0.12) |
| Dinoseb | NA | NA | NA | NA | NA | NA | NA |
| **Furans** | | | | | | | |
| 2,3,7,8-TCDF | 0.015 | NA | 0.0010 | ND(0.0013) | NA | NA | NA |
| 1,2,3,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,7,8-PeCDF | NA | NA | NA | NA | NA | NA | NA |
| PeCDFs (total) | 0.12 | NA | 0.0080 | ND(0.0010) | NA | NA | NA |
| 1,2,3,4,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDF | NA | NA | NA | NA | NA | NA | NA |
| 2,3,4,6,7,8-HxCDF | NA | NA | NA | NA | NA | NA | NA |
| HxCDFs (total) | 0.087 | NA | 0.0082 | ND(0.00097) | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDF | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | NA | NA | NA | NA | NA | NA | NA |
| HpCDFs (total) | 0.029 | NA | 0.0025 | ND(0.0018) | NA | NA | NA |
| OCDF | 0.025 | NA | 0.0016 | ND(0.0015) | NA | NA | NA |
| **Dioxins** | | | | | | | |
| 2,3,7,8-TCDD | ND(0.0010) | NA | ND(0.00012) | ND(0.0010) | NA | NA | NA |
| 1,2,3,7,8-PeCDD | NA | NA | NA | NA | NA | NA | NA |
| PeCDDs (total) | ND(0.00078) | NA | ND(0.00019) | ND(0.0019) | NA | NA | NA |
| 1,2,3,4,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDD | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDD | NA | NA | NA | NA | NA | NA | NA |
| HxCDDs (total) | ND(0.0018) | NA | ND(0.00022) | ND(0.0017) | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | NA | NA | NA | NA | NA | NA | NA |
| HpCDDs (total) | ND(0.0024) | NA | 0.00059 | ND(0.0016) | NA | NA | NA |
| OCDD | ND(0.0041) | NA | 0.00047 | ND(0.0016) | NA | NA | NA |
| Total TEQs (WHO TEFs) | NC | NA | NC | NC | NA | NA | NA |

TABLE B-2
HISTORICAL APPENDIX IX+3 SOIL ANALYTICAL RESULTS

*PRELIMINARY ANALYTICAL DATA*
*SUBJECT TO VERIFICATION*

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Y-1 | Y-2 | Y-3 | Y-4 | Y-5 | Y-6 | Y-7 |
| Sample ID: | P2Y010810 | P2Y020608 | P2Y030810 | P2Y040406 | P2Y050406 | P2Y060406 | P2Y070406 |
| Sample Depth(Feet): | 8-10 | 6-8 | 8-10 | 4-6 | 4-6 | 4-6 | 4-6 |
| Parameter / Date Collected: | 06/06/91 | 06/07/91 | 06/05/91 | 06/05/91 | 06/06/91 | 06/11/91 | 06/06/91 |
| **Inorganics** | | | | | | | |
| Aluminum | 8350 | 8090 | 7880 | 8340 | 6030 | 8360 | 19300 |
| Antimony | 19.5 * | 170 * | ND(2.50) * | ND(2.60) * | ND(2.80) * | ND(2.80) * | ND(2.50) * |
| Arsenic | 9.10 N | 0 AN | 5.90 QN | 22.3 | 10.1 N | 3.60 QN | 6.30 N |
| Barium | 505 N* | 271 N* | 115 N* | 8720 N* | 135 N* | 61.7 N* | 94.2 N* |
| Beryllium | 0.260 B | 0.270 B | 0.290 B | 0.600 | 0.240 B | 0.270 B | 0.500 B |
| Cadmium | 2.20 | 4.40 | 1.30 | 2.00 | 3.10 | 0.590 B | 1.20 |
| Calcium | 14600 | 11500 | 14500 | 40500 | 18100 | 8560 | 44700 |
| Chromium | 75.4 | 66.7 | 41.8 | 17.2 | 30.8 | 15.2 | 14.2 |
| Cobalt | 12.5 | 11.2 | 8.10 | 7.20 | 5.90 B | 9.10 | 8.10 |
| Copper | 939 | 860 | 331 | 237 | 527 | 126 | 191 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA |
| Iron | 34200 E | 27900 E | 21900 E | 17700 E | 18700 E | 26800 E | 23000 E |
| Lead | 1420 * | 1490 * | 610 * | 140 * | 769 * | 695 * | 90.2 * |
| Magnesium | 7460 | 8760 | 10000 | 7560 | 4520 | 6170 | 24800 |
| Manganese | 574 | 574 | 373 | 291 | 250 | 303 | 1530 |
| Mercury | 0.670 * | 0.350 * | 0.620 * | ND(0.110) * | 0.140 * | ND(0.110) * | ND(0.110) * |
| Nickel | 49.4 E | 47.1 E | 30.7 E | 19.0 E | 20.6 E | 18.0 E | 12.0 E |
| Potassium | 643 | 487 B | 580 | 715 | 408 B | 634 | 2240 |
| Selenium | ND(0.350) W | ND(0) W | ND(0.340) W | ND(0.350) W | ND(0.380) W | ND(0.380) W | ND(0.340) W |
| Silver | 2.00 N | 2.70 N | ND(0.560) N | ND(0.580) N | ND(0.630) N | ND(0.620) N | ND(0.560) N |
| Sodium | 179 B | 180 B | 115 B | 195 B | 157 B | 194 B | 664 |
| Sulfide | 166 | 16.0 | ND(11.2) | 180 | 189 | ND(12.5) | 274 |
| Thallium | ND(0.350) W | ND(0) W | ND(0.340) W | ND(0.350) | ND(0.380) W | ND(0.380) W | ND(0.340) W |
| Tin | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | 16.2 | 14.8 | 12.4 | 20.5 | 18.3 | 14.9 | 25.0 |
| Zinc | 2070 * | 1870 * | 548 * | 2090 * | 656 * | 178 * | 140 * |

Notes:
1. Samples were collected and analyzed by General Electric Company subcontractors for Appendix IX + 3 constituents.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. NA - Not Analyzed - Laboratory did not report results for this analyte.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. NC - Not Calculated. Insufficient data to calculate TEQs.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, dioxin/furans)

B - Analyte was also detected in the associated method blank.
E - Analyte exceeded calibration range.
J - Indicates that the associated numerical value is an estimated concentration.
X - Estimated Maximum Possible Concentration
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column
Z - Coeluting indistinguishable isomers could not be chromatographically resolved in the sample.
g - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.
v - Indicates an elevated detection limit due to chemical interference.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
N - Indicates sample matrix spike analysis was outside control limits.
E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.
Q - Indicates furnace matrix spike analysis was outside control limits.
W - GFAA Analytical spike recovery outside of range of 85% to 115% in a sample which exhibits a low concentration of analyte. Unspiked response must be < 50% of spiked sample response.
* - Indicates laboratory duplicate analysis was outside control limits.
A - Analyte determination determined by the method of standard additions (MSA).
D - Compound quantitated using a secondary dilution.

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | G14 | I11S | K11 | K15 |
| Sample ID: | 2S-BH000760-0-0060 | 2S-BH000605-0-0000 | 2S-BH000749-0-0060 | 2S-BH000739-0-0000 |
| Sample Depth(Feet): | 6-12 | 0-1 | 6-15 | 0-1 |
| Parameter Date Collected: | 07/08/02 | 04/25/02 | 07/02/02 | 04/18/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,1,1-Trichloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,1,2,2-Tetrachloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,1,2-Trichloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,1-Dichloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,1-Dichloroethene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,1-Dichloropropene | NA | NS | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NS | NA | NA |
| 1,2,3-Trichloropropane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,2,4-Trichlorobenzene | ND(0.0045) J | NS | ND(0.0050) | 0.43 J |
| 1,2,4-Trimethylbenzene | NA | NS | NA | NA |
| 1,2-Dibromo-3-chloropropane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,2-Dibromoethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,2-Dichlorobenzene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,2-Dichloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,2-Dichloroethene (total) | NA | NS | NA | NA |
| 1,2-Dichloropropane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,3,5-Trimethylbenzene | NA | NS | NA | NA |
| 1,3-Dichlorobenzene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,3-Dichloropropane | NA | NS | NA | NA |
| 1,4-Dichlorobenzene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 1,4-Dioxane | R | NS | R | R |
| 2,2-Dichloropropane | NA | NS | NA | NA |
| 2-Butanone | R | NS | R | R |
| 2-Chloro-1,3-butadiene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 2-Chloroethylvinylether | R | NS | R | ND(0.48) |
| 2-Chlorotoluene | NA | NS | NA | NA |
| 2-Hexanone | ND(0.0045) J | NS | ND(0.0050) J | ND(0.48) |
| 3-Chloropropene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| 4-Chlorotoluene | NA | NS | NA | NA |
| 4-Methyl-2-pentanone | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Acetone | 0.11 J | NS | 0.030 | R |
| Acrolein | R | NS | R | R |
| Acrylonitrile | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Benzene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Bromobenzene | NA | NS | NA | NA |
| Bromochloromethane | NA | NS | NA | NA |
| Bromodichloromethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Bromoform | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Bromomethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) J |
| Carbon Disulfide | 0.018 J | NS | 0.0041 J | ND(0.48) |
| Carbon Tetrachloride | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Chlorobenzene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Chloroethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Chloroform | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Chloromethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| cis-1,2-Dichloroethene | ND(0.0045) J | NS | ND(0.0050) | 0.67 |
| cis-1,3-Dichloropropene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Dibromochloromethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Dibromomethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Ethyl Methacrylate | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Ethylbenzene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Freon 12 | ND(0.0045) J | NS | ND(0.0050) J | ND(0.48) |
| Hexachlorobutadiene | NA | NS | NA | NA |
| Iodomethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) J |
| Isobutanol | R | NS | R | R |
| Isopropylbenzene | NA | NS | NA | NA |
| m&p-Xylene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Methacrylonitrile | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Methyl Methacrylate | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Methylene Chloride | ND(0.0051) J | NS | ND(0.0050) | ND(0.48) |
| Naphthalene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| n-Butylbenzene | NA | NS | NA | NA |
| n-Propylbenzene | NA | NS | NA | NA |
| o-Xylene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| p-Isopropyltoluene | NA | NS | NA | NA |
| Propionitrile | R | NS | R | R |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | G14 | I11S | K11 | K15 |
| Sample ID: | 2S-BH000760-0-0060 | 2S-BH000605-0-0000 | 2S-BH000749-0-0060 | 2S-BH000739-0-0000 |
| Sample Depth(Feet): | 6-12 | 0-1 | 6-15 | 0-1 |
| Parameter Date Collected: | 07/08/02 | 04/25/02 | 07/02/02 | 04/18/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NA | NS | NA | NA |
| Styrene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| tert-Butylbenzene | NA | NS | NA | NA |
| Tetrachloroethene | ND(0.0045) J | NS | ND(0.0050) | 0.98 |
| Tetrahydrofuran | NA | NS | NA | NA |
| Toluene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| trans-1,2-Dichloroethene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| trans-1,3-Dichloropropene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| trans-1,4-Dichloro-2-butene | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Trichloroethene | ND(0.0045) J | NS | ND(0.0050) | 5.8 |
| Trichlorofluoromethane | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Vinyl Acetate | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Vinyl Chloride | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| Xylenes (total) | ND(0.0045) J | NS | ND(0.0050) | ND(0.48) |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 1,2,4-Trichlorobenzene | ND(0.38) | ND(11) | ND(0.38) | 0.74 J |
| 1,2-Dichlorobenzene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 1,3,5-Trinitrobenzene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 1,3-Dichlorobenzene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 1,3-Dinitrobenzene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 1,4-Dichlorobenzene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 1,4-Naphthoquinone | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 1-Naphthylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 2,3,4,6-Tetrachlorophenol | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 2,4,5-Trichlorophenol | ND(0.96) | ND(28) | ND(0.96) | ND(3.7) |
| 2,4,6-Trichlorophenol | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2,4-Dichlorophenol | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2,4-Dimethylphenol | ND(0.38) | 2.2 J | ND(0.38) | ND(1.5) |
| 2,4-Dinitrophenol | ND(0.96) | ND(28) | ND(0.96) | ND(3.7) |
| 2,4-Dinitrotoluene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2,6-Dichlorophenol | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 2,6-Dinitrotoluene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2-Acetylaminofluorene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 2-Chloronaphthalene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2-Chlorophenol | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2-Methylnaphthalene | 0.030 J | ND(11) | ND(0.38) | 0.15 J |
| 2-Methylphenol | ND(0.38) | 1.7 J | ND(0.38) | 0.10 J |
| 2-Naphthylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 2-Nitroaniline | ND(0.96) | ND(28) | ND(0.96) | ND(3.7) |
| 2-Nitrophenol | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 2-Picoline | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 3,3'-Dichlorobenzidine | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 3,3'-Dimethylbenzidine | ND(0.38) J | NA | ND(0.38) | ND(1.5) |
| 3-Methylcholanthrene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 3-Nitroaniline | ND(0.96) | ND(28) | ND(0.96) | ND(3.7) |
| 4,6-Dinitro-2-methylphenol | ND(0.96) | ND(28) | ND(0.96) | ND(3.7) |
| 4-Aminobiphenyl | ND(0.38) J | NA | ND(0.38) J | ND(1.5) J |
| 4-Bromophenyl-phenylether | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 4-Chloro-3-Methylphenol | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 4-Chloroaniline | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 4-Chlorobenzilate | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 4-Chlorophenyl-phenylether | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| 4-Methylphenol | ND(0.38) | 3.0 J | ND(0.38) | 0.17 J |
| 4-Nitroaniline | ND(0.96) | ND(28) | ND(0.96) J | ND(3.7) J |
| 4-Nitrophenol | ND(0.96) | ND(28) | ND(0.96) J | ND(3.7) J |
| 4-Nitroquinoline-1-oxide | ND(0.38) J | NA | ND(0.38) J | ND(1.5) J |
| 4-Phenylenediamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 5-Nitro-o-toluidine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| a,a'-Dimethylphenethylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Acenaphthene | ND(0.38) | 1.4 J | ND(0.38) | 0.29 J |
| Acenaphthylene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Acetophenone | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Aniline | ND(0.96) | NA | ND(0.96) | 0.17 J |
| Anthracene | 0.058 J | 3.5 J | ND(0.38) | 1.0 J |
| Aramite | ND(0.38) | NA | ND(0.38) | ND(1.5) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | G14 | I11S | K11 | K15 |
| Sample ID: | 2S-BH000760-0-0060 | 2S-BH000605-0-0000 | 2S-BH000749-0-0060 | 2S-BH000739-0-0000 |
| Sample Depth(Feet): | 6-12 | 0-1 | 8-15 | 0-1 |
| Parameter Date Collected: | 07/08/02 | 04/25/02 | 07/02/02 | 04/18/02 |
| Semivolatile Organics (continued) | | | | |
| Azobenzene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Benzo(a)anthracene | 0.28 J | 9.4 J | ND(0.38) | 4.1 |
| Benzo(a)pyrene | 0.31 J | 7.8 J | ND(0.38) | 3.8 |
| Benzo(b)fluoranthene | 0.32 J | 7.1 J | ND(0.38) | 4.3 |
| Benzo(g,h,i)perylene | 0.26 J | 4.4 J | ND(0.38) | 2.6 |
| Benzo(k)fluoranthene | 0.38 | 7.8 J | ND(0.38) | 3.6 |
| Benzyl Alcohol | ND(0.38) J | NA | ND(0.38) J | ND(1.5) J |
| bis(2-Chloroethoxy)methane | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| bis(2-Chloroethyl)ether | ND(0.38) | 1.2 J | ND(0.38) | ND(1.5) |
| bis(2-Chloroisopropyl)ether | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| bis(2-Ethylhexyl)adipate | NA | ND(11) | NA | NA |
| bis(2-Ethylhexyl)phthalate | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Butylbenzylphthalate | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Carbazole | NA | 2.2 J | NA | NA |
| Chrysene | 0.36 J | 9.2 J | ND(0.38) | 4.4 |
| Diallate | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Dibenzo(a,h)anthracene | 0.063 J | 2.2 J | ND(0.38) J | 0.86 J |
| Dibenzofuran | 0.031 J | ND(11) | ND(0.38) | 0.23 J |
| Diethylphthalate | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Dimethylphthalate | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Di-n-Butylphthalate | 0.021 J | ND(11) | ND(0.38) | ND(1.5) |
| Di-n-Octylphthalate | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Ethyl Methanesulfonate | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Fluoranthene | 0.47 | 19 | ND(0.38) | 6.0 |
| Fluorene | 0.028 J | 1.9 J | ND(0.38) | 0.31 J |
| Hexachlorobenzene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Hexachlorobutadiene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Hexachlorocyclopentadiene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Hexachloroethane | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Hexachloropropene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Indeno(1,2,3-cd)pyrene | 0.22 J | 5.1 J | ND(0.38) | 2.2 |
| Isophorone | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| Isosafrole | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Methapyrilene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Methyl Methanesulfonate | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Naphthalene | 0.054 J | ND(11) | ND(0.38) | 0.32 J |
| Nitrobenzene | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| N-Nitrosodiethylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| N-Nitrosodimethylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| N-Nitroso-di-n-butylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| N-Nitroso-di-n-propylamine | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| N-Nitrosodiphenylamine | ND(0.38) | ND(11) | ND(0.38) | ND(1.5) |
| N-Nitrosomethylethylamine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| N-Nitrosomorpholine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| N-Nitrosopiperidine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| N-Nitrosopyrrolidine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| p-Dimethylaminoazobenzene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Pentachlorobenzene | ND(0.38) | NA | ND(0.38) | 0.080 J |
| Pentachloroethane | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Pentachloronitrobenzene | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Pentachlorophenol | ND(0.96) | ND(28) | ND(0.96) | ND(3.7) |
| Phenacetin | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Phenanthrene | 0.26 J | 14 | ND(0.38) | 4.1 |
| Phenol | ND(0.38) | 0.6 J | ND(0.38) | 0.54 J |
| Pronamide | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Pyrene | 0.49 | 17 | ND(0.38) | 6.5 |
| Pyridine | ND(0.38) | NA | ND(0.38) | ND(1.5) |
| Safrole | R | NA | R | R |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | G14 | I11S | K11 | K15 |
| Sample ID: | 2S-BH000760-0-0060 | 2S-BH000605-0-0000 | 2S-BH000749-0-0060 | 2S-BH000739-0-0000 |
| Sample Depth(Feet): | 6-12 | 0-1 | 6-15 | 0-1 |
| Parameter Date Collected: | 07/08/02 | 04/25/02 | 07/02/02 | 04/18/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | ND(0.38) | NS | ND(0.38) | ND(1.5) |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|---|
| | Location ID: | G14 | I11S | K11 | K15 |
| | Sample ID: | 2S-BH000760-0-0060 | 2S-BH000605-0-0000 | 2S-BH000749-0-0060 | 2S-BH000739-0-0000 |
| | Sample Depth(Feet): | 6-12 | 0-1 | 6-15 | 0-1 |
| | Date Collected: | 07/08/02 | 04/25/02 | 07/02/02 | 04/18/02 |
| Inorganics | | | | | |
| Antimony | | 0.810 J | NS | ND(0.300) | 3.30 J |
| Arsenic | | 15.5 | NS | 1.30 | 11.1 |
| Barium | | 32.9 | NS | 21.8 J | 49.9 |
| Beryllium | | 0.250 J | NS | 0.190 J | 0.300 J |
| Cadmium | | ND(0.0580) | NS | ND(0.0700) | 1.00 |
| Chromium | | 11.9 | NS | 6.50 | 18.5 |
| Cobalt | | 9.80 | NS | 5.20 J | 10.4 |
| Copper | | 67.1 | NS | 6.90 | 3010 |
| Cyanide | | ND(0.490) | ND(0.550) | ND(0.580) | ND(0.510) |
| Lead | | 69.6 | NS | 5.10 | 157 J |
| Mercury | | 0.0770 | NS | ND(0.0190) | 0.210 |
| Nickel | | 17.7 | NS | 9.30 | 54.8 |
| Selenium | | 0.440 J | NS | ND(0.300) | ND(0.200) |
| Silver | | ND(0.150) | NS | ND(0.180) | 0.530 J |
| Sulfide | | 26.6 | R | ND(8.30) | ND(8.60) J |
| Thallium | | ND(0.180) | NS | ND(0.700) | ND(0.580) |
| Tin | | 2.70 | NS | ND(0.350) | 160 |
| Vanadium | | 10.1 | NS | 5.80 J | 17.1 |
| Zinc | | 283 | NS | 35.4 | 552 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | K15 | M5 | M7 | O1 |
| Sample ID: | 2S-BH000739-0-0010 | 2S-BH000603-0-0000 | 2S-BH000750-0-0010 | 2S-BH000604-0-0000 |
| Sample Depth(Feet): | 1-6 | 0-1 | 1-6 | 0-1 |
| Parameter Date Collected: | 04/18/02 | 04/25/02 | 07/03/02 | 04/25/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,1,1-Trichloroethane | 0.21 J | NS | ND(0.0050) | NS |
| 1,1,2,2-Tetrachloroethane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,1,2-Trichloroethane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,1-Dichloroethane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,1-Dichloroethene | ND(0.52) | NS | ND(0.0050) | NS |
| 1,1-Dichloropropene | NA | NS | NA | NS |
| 1,2,3-Trichlorobenzene | NA | NS | NA | NS |
| 1,2,3-Trichloropropane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,2,4-Trichlorobenzene | 0.41 J | NS | ND(0.0050) | NS |
| 1,2,4-Trimethylbenzene | NA | NS | NA | NS |
| 1,2-Dibromo-3-chloropropane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,2-Dibromoethane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,2-Dichlorobenzene | ND(0.52) | NS | ND(0.0050) | NS |
| 1,2-Dichloroethane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,2-Dichloroethene (total) | NA | NS | NA | NS |
| 1,2-Dichloropropane | ND(0.52) | NS | ND(0.0050) | NS |
| 1,3,5-Trimethylbenzene | NA | NS | NA | NS |
| 1,3-Dichlorobenzene | ND(0.52) | NS | ND(0.0050) | NS |
| 1,3-Dichloropropane | NA | NS | NA | NS |
| 1,4-Dichlorobenzene | ND(0.52) | NS | ND(0.0050) | NS |
| 1,4-Dioxane | R | NS | R | NS |
| 2,2-Dichloropropane | NA | NS | NA | NS |
| 2-Butanone | R | NS | 0.0062 J | NS |
| 2-Chloro-1,3-butadiene | ND(0.52) | NS | ND(0.0050) | NS |
| 2-Chloroethylvinylether | ND(0.52) | NS | R | NS |
| 2-Chlorotoluene | NA | NS | NA | NS |
| 2-Hexanone | ND(0.52) | NS | ND(0.0050) J | NS |
| 3-Chloropropene | ND(0.52) | NS | ND(0.0050) | NS |
| 4-Chlorotoluene | NA | NS | NA | NS |
| 4-Methyl-2-pentanone | ND(0.52) | NS | ND(0.0050) | NS |
| Acetone | R | NS | 0.046 | NS |
| Acrolein | R | NS | R | NS |
| Acrylonitrile | ND(0.52) | NS | ND(0.0050) | NS |
| Benzene | ND(0.52) | NS | 0.0041 J | NS |
| Bromobenzene | NA | NS | NA | NS |
| Bromochloromethane | NA | NS | NA | NS |
| Bromodichloromethane | ND(0.52) | NS | ND(0.0050) | NS |
| Bromoform | ND(0.52) | NS | ND(0.0050) | NS |
| Bromomethane | ND(0.52) J | NS | ND(0.0050) | NS |
| Carbon Disulfide | ND(0.52) | NS | 0.0064 | NS |
| Carbon Tetrachloride | ND(0.52) | NS | ND(0.0050) | NS |
| Chlorobenzene | ND(0.52) | NS | ND(0.0050) | NS |
| Chloroethane | ND(0.52) | NS | ND(0.0050) | NS |
| Chloroform | ND(0.52) | NS | ND(0.0050) | NS |
| Chloromethane | ND(0.52) | NS | ND(0.0050) | NS |
| cis-1,2-Dichloroethene | 4.3 | NS | ND(0.0050) | NS |
| cis-1,3-Dichloropropene | ND(0.52) | NS | ND(0.0050) | NS |
| Dibromochloromethane | ND(0.52) | NS | ND(0.0050) | NS |
| Dibromomethane | ND(0.52) | NS | ND(0.0050) | NS |
| Ethyl Methacrylate | ND(0.52) | NS | ND(0.0050) | NS |
| Ethylbenzene | ND(0.52) | NS | ND(0.0050) | NS |
| Freon 12 | ND(0.52) | NS | ND(0.0050) | NS |
| Hexachlorobutadiene | NA | NS | NA | NS |
| Iodomethane | ND(0.52) J | NS | ND(0.0050) | NS |
| Isobutanol | R | NS | R | NS |
| Isopropylbenzene | NA | NS | NA | NS |
| m&p-Xylene | ND(0.52) | NS | ND(0.0050) | NS |
| Methacrylonitrile | ND(0.52) | NS | ND(0.0050) | NS |
| Methyl Methacrylate | ND(0.52) | NS | 0.0075 | NS |
| Methylene Chloride | ND(0.52) | NS | ND(0.0050) | NS |
| Naphthalene | ND(0.52) | NS | ND(0.0050) | NS |
| n-Butylbenzene | NA | NS | NA | NS |
| n-Propylbenzene | NA | NS | NA | NS |
| o-Xylene | ND(0.52) | NS | ND(0.0050) | NS |
| p-Isopropyltoluene | NA | NS | NA | NS |
| Propionitrile | R | NS | R | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | K15 | M5 | M7 | O1 |
| Sample ID: | 2S-BH000739-0-0010 | 2S-BH000603-0-0000 | 2S-BH000750-0-0010 | 2S-BH000604-0-0000 |
| Sample Depth(Feet): | 1-6 | 0-1 | 1-6 | 0-1 |
| Parameter Date Collected: | 04/18/02 | 04/25/02 | 07/03/02 | 04/25/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NA | NS | NA | NS |
| Styrene | ND(0.52) | NS | ND(0.0050) | NS |
| tert-Butylbenzene | NA | NS | NA | NS |
| Tetrachloroethene | 5.4 | NS | 0.0079 | NS |
| Tetrahydrofuran | NA | NS | NA | NS |
| Toluene | 0.17 J | NS | ND(0.0050) | NS |
| trans-1,2-Dichloroethene | ND(0.52) | NS | ND(0.0050) | NS |
| trans-1,3-Dichloropropene | ND(0.52) | NS | ND(0.0050) | NS |
| trans-1,4-Dichloro-2-butene | ND(0.52) | NS | ND(0.0050) | NS |
| Trichloroethene | 4.8 | NS | ND(0.0050) | NS |
| Trichlorofluoromethane | ND(0.52) | NS | ND(0.0050) | NS |
| Vinyl Acetate | ND(0.52) | NS | ND(0.0050) | NS |
| Vinyl Chloride | ND(0.52) | NS | ND(0.0050) | NS |
| Xylenes (total) | ND(0.52) | NS | ND(0.0050) | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | 0.18 J | NA | ND(3.6) | NA |
| 1,2,4-Trichlorobenzene | 2.4 J | ND(3.8) | ND(3.6) | ND(3.6) |
| 1,2-Dichlorobenzene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 1,3,5-Trinitrobenzene | ND(3.6) | NA | ND(3.6) | NA |
| 1,3-Dichlorobenzene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 1,3-Dinitrobenzene | ND(3.6) | NA | ND(3.6) | NA |
| 1,4-Dichlorobenzene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 1,4-Naphthoquinone | ND(3.6) | NA | ND(3.6) | NA |
| 1-Naphthylamine | ND(3.6) | NA | ND(3.6) | NA |
| 2,3,4,6-Tetrachlorophenol | ND(3.6) | NA | ND(3.6) | NA |
| 2,4,5-Trichlorophenol | ND(9.1) | ND(9.4) | ND(9.0) | ND(9.0) |
| 2,4,6-Trichlorophenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2,4-Dichlorophenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2,4-Dimethylphenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2,4-Dinitrophenol | ND(9.1) | ND(9.4) | ND(9.0) | ND(9.0) |
| 2,4-Dinitrotoluene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2,6-Dichlorophenol | ND(3.6) | NA | ND(3.6) | NA |
| 2,6-Dinitrotoluene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2-Acetylaminofluorene | ND(3.6) | NA | ND(3.6) | NA |
| 2-Chloronaphthalene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2-Chlorophenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2-Methylnaphthalene | 0.25 J | ND(3.8) | 0.44 J | ND(3.6) |
| 2-Methylphenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2-Naphthylamine | ND(3.6) | NA | ND(3.6) | NA |
| 2-Nitroaniline | ND(9.1) | ND(9.4) | ND(9.0) | ND(9.0) |
| 2-Nitrophenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 2-Picoline | ND(3.6) | NA | ND(3.6) | NA |
| 3,3'-Dichlorobenzidine | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 3,3'-Dimethylbenzidine | ND(3.6) | NA | ND(3.6) J | NA |
| 3-Methylcholanthrene | ND(3.6) | NA | ND(3.6) | NA |
| 3-Nitroaniline | ND(9.1) | ND(9.4) | ND(9.0) | ND(9.0) |
| 4,6-Dinitro-2-methylphenol | ND(9.1) | ND(9.4) | ND(9.0) | ND(9.0) |
| 4-Aminobiphenyl | ND(3.6) J | NA | ND(3.6) J | NA |
| 4-Bromophenyl-phenylether | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 4-Chloro-3-Methylphenol | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 4-Chloroaniline | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 4-Chlorobenzilate | ND(3.6) | NA | ND(3.6) | NA |
| 4-Chlorophenyl-phenylether | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| 4-Methylphenol | 0.37 J | ND(3.8) | ND(3.6) | ND(3.6) |
| 4-Nitroaniline | ND(9.1) J | ND(9.4) | ND(9.0) | ND(9.0) |
| 4-Nitrophenol | ND(9.1) J | ND(9.4) | ND(9.0) | ND(9.0) |
| 4-Nitroquinoline-1-oxide | ND(3.6) J | NA | ND(3.6) J | NA |
| 4-Phenylenediamine | ND(3.6) | NA | ND(3.6) | NA |
| 5-Nitro-o-toluidine | ND(3.6) | NA | ND(3.6) | NA |
| 7,12-Dimethylbenz(a)anthracene | ND(3.6) | NA | ND(3.6) | NA |
| a,a'-Dimethylphenethylamine | ND(3.6) | NA | ND(3.6) | NA |
| Acenaphthene | ND(3.6) | ND(3.8) J | 1.2 J | ND(3.6) |
| Acenaphthylene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Acetophenone | ND(3.6) | NA | ND(3.6) | NA |
| Aniline | ND(9.1) | NA | ND(9.0) | NA |
| Anthracene | ND(3.6) | 0.39 J | 0.2 | ND(3.6) |
| Aramite | ND(3.6) | NA | ND(3.6) | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | K15 | M5 | M7 | O1 |
| Sample ID: | 2S-BH000739-0-0010 | 2S-BH000603-0-0000 | 2S-BH000750-0-0010 | 2S-BH000604-0-0000 |
| Sample Depth(Feet): | 1-6 | 0-1 | 1-6 | 0-1 |
| Parameter Date Collected: | 04/18/02 | 04/25/02 | 07/03/02 | 04/25/02 |
| Semivolatile Organics (continued) | | | | |
| Azobenzene | ND(3.6) | NA | ND(3.6) | NA |
| Benzo(a)anthracene | 0.84 J | 1.5 J | 38 | ND(3.6) |
| Benzo(a)pyrene | 0.81 J | 1.5 J | 35 | ND(3.6) |
| Benzo(b)fluoranthene | 1.5 J | 1.9 J | 39 | 0.41 J |
| Benzo(g,h,i)perylene | 0.79 J | 0.92 J | 26 | ND(3.6) |
| Benzo(k)fluoranthene | 1.1 J | 1.2 J | 33 | ND(3.6) |
| Benzyl Alcohol | ND(3.6) J | NA | ND(3.6) J | NA |
| bis(2-Chloroethoxy)methane | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| bis(2-Chloroethyl)ether | ND(3.6) | 0.58 J | ND(3.6) | ND(3.6) |
| bis(2-Chloroisopropyl)ether | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| bis(2-Ethylhexyl)adipate | NA | ND(3.8) | NA | 0.74 J |
| bis(2-Ethylhexyl)phthalate | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Butylbenzylphthalate | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Carbazole | NA | ND(3.8) | NA | ND(3.6) |
| Chrysene | 1.4 J | 1.8 J | 39 | 0.46 J |
| Diallate | ND(3.6) | NA | ND(3.6) | NA |
| Dibenzo(a,h)anthracene | 0.23 J | 0.49 J | 9.8 | ND(3.6) |
| Dibenzofuran | ND(3.6) | ND(3.8) | 1.4 J | ND(3.6) |
| Diethylphthalate | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Dimethylphthalate | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Di-n-Butylphthalate | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Di-n-Octylphthalate | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Ethyl Methanesulfonate | ND(3.6) | NA | ND(3.6) | NA |
| Fluoranthene | 0.88 J | 3.1 J | 43 | 0.78 J |
| Fluorene | ND(3.6) | ND(3.8) | 1.5 J | ND(3.6) |
| Hexachlorobenzene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Hexachlorobutadiene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Hexachlorocyclopentadiene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Hexachloroethane | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Hexachloropropene | ND(3.6) | NA | ND(3.6) | NA |
| Indeno(1,2,3-cd)pyrene | 0.60 J | 1.0 J | 23 | ND(3.6) |
| Isophorone | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| Isosafrole | ND(3.6) | NA | ND(3.6) | NA |
| Methapyrilene | ND(3.6) | NA | ND(3.6) | NA |
| Methyl Methanesulfonate | ND(3.6) | NA | ND(3.6) | NA |
| Naphthalene | 0.24 J | ND(3.8) | 0.54 J | ND(3.6) |
| Nitrobenzene | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| N-Nitrosodiethylamine | ND(3.6) | NA | ND(3.6) | NA |
| N-Nitrosodimethylamine | ND(3.6) | NA | ND(3.6) | NA |
| N-Nitroso-di-n-butylamine | ND(3.6) | NA | ND(3.6) | NA |
| N-Nitroso-di-n-propylamine | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| N-Nitrosodiphenylamine | ND(3.6) | ND(3.8) | ND(3.6) | ND(3.6) |
| N-Nitrosomethylethylamine | ND(3.6) | NA | ND(3.6) | NA |
| N-Nitrosomorpholine | ND(3.6) | NA | ND(3.6) | NA |
| N-Nitrosopiperidine | ND(3.6) | NA | ND(3.6) | NA |
| N-Nitrosopyrrolidine | ND(3.6) | NA | ND(3.6) | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | ND(3.6) | NA | ND(3.6) | NA |
| p-Dimethylaminoazobenzene | ND(3.6) | NA | ND(3.6) | NA |
| Pentachlorobenzene | 0.30 J | NA | ND(3.6) | NA |
| Pentachloroethane | ND(3.6) | NA | ND(3.6) | NA |
| Pentachloronitrobenzene | ND(3.6) | NA | ND(3.6) | NA |
| Pentachlorophenol | ND(9.1) | R | ND(9.0) | ND(9.0) |
| Phenacetin | ND(3.6) | NA | ND(3.6) | NA |
| Phenanthrene | 0.78 J | 2.2 J | 23 | 0.47 J |
| Phenol | 0.37 J | 0.98 J | ND(3.6) | ND(3.6) |
| Pronamide | ND(3.6) | NA | ND(3.6) | NA |
| Pyrene | 0.94 J | 2.8 J | 56 | 0.71 J |
| Pyridine | ND(3.6) | NA | ND(3.6) | NA |
| Safrole | R | NA | R | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | K15 | M5 | M7 | O1 |
| Sample ID: | 2S-BH000739-0-0010 | 2S-BH000603-0-0000 | 2S-BH000750-0-0010 | 2S-BH000604-0-0000 |
| Sample Depth(Feet): | 1-6 | 0-1 | 1-6 | 0-1 |
| Parameter Date Collected: | 04/18/02 | 04/25/02 | 07/03/02 | 04/25/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,6-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | ND(3.6) | NS | ND(3.6) | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4A | 4A | 4A | 4A |
|---|---|---|---|---|
| Location ID: | K15 | M5 | M7 | O1 |
| Sample ID: | 2S-BH000739-0-0010 | 2S-BH000603-0-0000 | 2S-BH000750-0-0010 | 2S-BH000604-0-0000 |
| Sample Depth(Feet): | 1-6 | 0-1 | 1-6 | 0-1 |
| Parameter / Date Collected: | 04/18/02 | 04/25/02 | 07/03/02 | 04/25/02 |
| **Inorganics** | | | | |
| Antimony | 7.30 | NS | 1.10 J | NS |
| Arsenic | 8.30 | NS | 4.60 | NS |
| Barium | 110 | NS | 50.6 | NS |
| Beryllium | 0.460 J | NS | 0.250 J | NS |
| Cadmium | 1.60 | NS | ND(0.0550) | NS |
| Chromium | 20.2 | NS | 15.1 | NS |
| Cobalt | 7.00 | NS | 7.10 | NS |
| Copper | 1080 | NS | 110 | NS |
| Cyanide | ND(0.530) | ND(0.550) | ND(0.530) | ND(0.530) |
| Lead | 600 J | NS | 38.2 | NS |
| Mercury | 1.80 | NS | ND(0.0170) | NS |
| Nickel | 22.2 | NS | 8.80 | NS |
| Selenium | ND(0.210) | NS | 0.280 J | NS |
| Silver | 0.330 J | NS | ND(0.140) | NS |
| Sulfide | ND(8.70) J | 21.1 J | ND(8.60) | R |
| Thallium | ND(0.620) | NS | ND(0.170) | NS |
| Tin | 55.1 | NS | 5.30 | NS |
| Vanadium | 17.5 | NS | 17.3 | NS |
| Zinc | 787 | NS | 57.3 | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-1 | 60-1 | 60-2 | 60-3 |
| Sample ID: | 2S-BH000775-0-0010 | 2S-BH000775-0-0060 | 2S-BH000777-0-0060 | 2S-BH000776-0-0010 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 1-6 |
| Parameter Date Collected: | 07/16/02 | 07/16/02 | 07/16/02 | 07/16/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,1,1-Trichloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,1,2,2-Tetrachloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,1,2-Trichloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,1-Dichloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,1-Dichloroethene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,1-Dichloropropene | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,2,4-Trichlorobenzene | 0.020 | 0.023 | 0.0032 J | 0.0068 |
| 1,2,4-Trimethylbenzene | NA | NA | NA | NA |
| 1,2-Dibromo-3-chloropropane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,2-Dibromoethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,2-Dichlorobenzene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,2-Dichloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA |
| 1,2-Dichloropropane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 1,3,5-Trimethylbenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(0.0043) | 0.015 | ND(0.0046) | 0.0019 J |
| 1,3-Dichloropropane | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(0.0043) | 0.084 | ND(0.0046) | 0.0042 J |
| 1,4-Dioxane | ND(0.21) | ND(0.34) | ND(0.23) | ND(0.22) |
| 2,2-Dichloropropane | NA | NA | NA | NA |
| 2-Butanone | ND(0.0043) | 0.021 | ND(0.0046) | ND(0.0044) |
| 2-Chloro-1,3-butadiene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 2-Chloroethylvinylether | ND(0.0043) | ND(0.0068) | ND(0.0046) | 0.0075 |
| 2-Chlorotoluene | NA | NA | NA | NA |
| 2-Hexanone | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 3-Chloropropene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| 4-Chlorotoluene | NA | NA | NA | NA |
| 4-Methyl-2-pentanone | ND(0.0043) | ND(0.0068) | ND(0.0046) | 0.0034 J |
| Acetone | 0.050 | 0.16 | NA | NA |
| Acrolein | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Acrylonitrile | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Benzene | 0.0011 J | 0.0042 J | ND(0.0046) | 0.0013 J |
| Bromobenzene | NA | NA | NA | NA |
| Bromochloromethane | NA | NA | NA | NA |
| Bromodichloromethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Bromoform | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Bromomethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Carbon Disulfide | 0.037 | 0.0082 | 0.033 | 0.042 |
| Carbon Tetrachloride | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Chlorobenzene | ND(0.0043) | 0.0059 J | 0.0040 J | ND(0.0044) |
| Chloroethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Chloroform | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Chloromethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| cis-1,2-Dichloroethene | 0.0020 J | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| cis-1,3-Dichloropropene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Dibromochloromethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Dibromomethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Ethyl Methacrylate | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Ethylbenzene | ND(0.0043) | 0.0014 J | ND(0.0046) | 0.0019 J |
| Freon 12 | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Hexachlorobutadiene | NA | NA | NA | NA |
| Iodomethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Isobutanol | ND(0.21) | ND(0.34) | ND(0.23) | 0.13 J |
| Isopropylbenzene | NA | NA | NA | NA |
| m&p-Xylene | ND(0.0043) | 0.0029 J | ND(0.0046) | 0.0020 J |
| Methacrylonitrile | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Methyl Methacrylate | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Methylene Chloride | 0.044 | 0.0031 J | 0.052 | 0.021 |
| Naphthalene | 0.0037 J | ND(0.0068) | 0.0082 | 0.033 |
| n-Butylbenzene | NA | NA | NA | NA |
| n-Propylbenzene | NA | NA | NA | NA |
| o-Xylene | ND(0.0043) | 0.0029 J | ND(0.0046) | ND(0.0044) |
| p-Isopropyltoluene | NA | NA | NA | NA |
| Propionitrile | ND(0.017) | ND(0.027) | ND(0.018) | ND(0.017) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-1 | 60-1 | 60-2 | 60-3 |
| Sample ID: | 2S-BH000775-0-0010 | 2S-BH000775-0-0060 | 2S-BH000777-0-0060 | 2S-BH000776-0-0010 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 1-6 |
| Parameter / Date Collected: | 07/16/02 | 07/16/02 | 07/16/02 | 07/16/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NA | NA | NA | NA |
| Styrene | ND(0.0043) | ND(0.0068) | ND(0.0046) | 0.0030 J |
| tert-Butylbenzene | NA | NA | NA | NA |
| Tetrachloroethene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Tetrahydrofuran | NA | NA | NA | NA |
| Toluene | 0.0010 J | 0.0046 J | ND(0.0046) | 0.0031 J |
| trans-1,2-Dichloroethene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| trans-1,3-Dichloropropene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| trans-1,4-Dichloro-2-butene | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Trichloroethene | 0.0082 | 0.0036 J | ND(0.0046) | ND(0.0044) |
| Trichlorofluoromethane | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Vinyl Acetate | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Vinyl Chloride | ND(0.0043) | ND(0.0068) | ND(0.0046) | ND(0.0044) |
| Xylenes (total) | ND(0.0043) | 0.0058 J | ND(0.0046) | 0.0020 J |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,2,4-Trichlorobenzene | 0.26 J | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,2-Dichlorobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,3,5-Trinitrobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,3-Dichlorobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,3-Dinitrobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,4-Dichlorobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1,4-Naphthoquinone | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 1-Naphthylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,3,4,6-Tetrachlorophenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,4,5-Trichlorophenol | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 2,4,6-Trichlorophenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,4-Dichlorophenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,4-Dimethylphenol | 0.14 J | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,4-Dinitrophenol | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 2,4-Dinitrotoluene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,6-Dichlorophenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2,6-Dinitrotoluene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Acetylaminofluorene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Chloronaphthalene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Chlorophenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Methylnaphthalene | 0.52 J | ND(8.2) | 0.039 J | 0.86 J |
| 2-Methylphenol | 0.15 J | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Naphthylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Nitroaniline | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 2-Nitrophenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 2-Picoline | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 3,3'-Dichlorobenzidine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 3,3'-Dimethylbenzidine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 3-Methylcholanthrene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 3-Nitroaniline | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 4,6-Dinitro-2-methylphenol | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 4-Aminobiphenyl | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Bromophenyl-phenylether | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Chloro-3-Methylphenol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Chloroaniline | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Chlorobenzilate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Chlorophenyl-phenylether | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Methylphenol | 0.20 J | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Nitroaniline | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 4-Nitrophenol | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| 4-Nitroquinoline-1-oxide | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 4-Phenylenediamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 5-Nitro-o-toluidine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| 7,12-Dimethylbenz(a)anthracene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| a,a'-Dimethylphenethylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Acenaphthene | 0.31 J | ND(8.2) | ND(0.37) | 0.79 J |
| Acenaphthylene | 0.68 J | 0.52 J | 0.042 J | 1.2 J |
| Acetophenone | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Aniline | 4.6 J | ND(20) | ND(0.93) | ND(12) |
| Anthracene | 0.79 J | ND(8.2) | 0.086 J | 4.0 J |
| Aramite | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-1 | 60-1 | 60-2 | 60-3 |
| Sample ID: | 2S-BH000775-0-0010 | 2S-BH000775-0-0060 | 2S-BH000777-0-0060 | 2S-BH000776-0-0010 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 1-6 |
| Parameter / Date Collected: | 07/16/02 | 07/16/02 | 07/16/02 | 07/16/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Benzo(a)anthracene | 3.5 | 0.72 J | 0.72 | 17 |
| Benzo(a)pyrene | 3.6 | 0.79 J | 0.72 | 15 |
| Benzo(b)fluoranthene | 3.4 | 0.65 J | 0.64 | 14 |
| Benzo(g,h,i)perylene | 2.8 J | 0.50 J | 0.24 J | 6.1 |
| Benzo(k)fluoranthene | 3.9 | 0.67 J | 0.84 | 11 |
| Benzyl Alcohol | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| bis(2-Chloroethoxy)methane | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| bis(2-Chloroethyl)ether | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| bis(2-Chloroisopropyl)ether | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| bis(2-Ethylhexyl)adipate | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | 0.080 J | ND(8.2) | ND(0.37) | ND(4.6) |
| Butylbenzylphthalate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Carbazole | NA | NA | NA | NA |
| Chrysene | 4.2 | 0.86 J | 0.86 | 18 |
| Diallate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Dibenzo(a,h)anthracene | 0.88 J | ND(8.2) | 0.099 J | 2.5 J |
| Dibenzofuran | 0.20 J | ND(8.2) | 0.018 J | 0.89 J |
| Diethylphthalate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Dimethylphthalate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Di-n-Butylphthalate | 0.28 J | ND(8.2) | 0.017 J | ND(4.6) |
| Di-n-Octylphthalate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Ethyl Methanesulfonate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Fluoranthene | 5.4 | 1.3 J | 1.4 | 28 |
| Fluorene | 0.34 J | ND(8.2) | 0.022 J | 2.1 J |
| Hexachlorobenzene | 0.090 J | ND(8.2) | ND(0.37) | ND(4.6) |
| Hexachlorobutadiene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Hexachlorocyclopentadiene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Hexachloroethane | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Hexachloropropene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Indeno(1,2,3-cd)pyrene | 2.2 J | 0.40 J | 0.26 J | 5.7 |
| Isophorone | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Isosafrole | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Methapyrilene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Methyl Methanesulfonate | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Naphthalene | 1.0 J | ND(8.2) | 0.067 J | 1.4 J |
| Nitrobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosodiethylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosodimethylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitroso-di-n-butylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitroso-di-n-propylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosodiphenylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosomethylethylamine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosomorpholine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosopiperidine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| N-Nitrosopyrrolidine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| p-Dimethylaminoazobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Pentachlorobenzene | 0.50 J | ND(8.2) | ND(0.37) | ND(4.6) |
| Pentachloroethane | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Pentachloronitrobenzene | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Pentachlorophenol | ND(3.4) | ND(20) | ND(0.93) | ND(12) |
| Phenacetin | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Phenanthrene | 3.5 | ND(8.2) | 0.64 | 19 |
| Phenol | 3.1 | ND(8.2) | ND(0.37) | ND(4.6) |
| Pronamide | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Pyrene | 6.6 J | 2.5 J | 1.3 | 28 |
| Pyridine | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Safrole | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-1 | 60-1 | 60-2 | 60-3 |
| Sample ID: | 2S-BH000775-0-0010 | 2S-BH000775-0-0060 | 2S-BH000777-0-0060 | 2S-BH000776-0-0010 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 1-6 |
| Parameter / Date Collected: | 07/16/02 | 07/16/02 | 07/16/02 | 07/16/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | ND(1.4) | ND(8.2) | ND(0.37) | ND(4.6) |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | 60-1 | 60-1 | 60-2 | 60-3 |
| | Sample ID: | 2S-BH000775-0-0010 | 2S-BH000775-0-0060 | 2S-BH000777-0-0060 | 2S-BH000776-0-0010 |
| | Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 1-6 |
| | Date Collected: | 07/16/02 | 07/16/02 | 07/16/02 | 07/16/02 |
| **Inorganics** | | | | | |
| Antimony | | 1.90 | 1.40 | 1.80 | 1.60 |
| Arsenic | | 6.10 | 3.50 | 6.50 | 4.60 |
| Barium | | 27.4 | 30.6 | 57.1 | 53.3 |
| Beryllium | | 0.180 | 0.390 | 0.290 | 0.260 |
| Cadmium | | 0.630 | 0.580 | 0.520 | 0.700 |
| Chromium | | 11.0 | 15.0 | 11.5 | 11.3 |
| Cobalt | | 7.20 | 9.40 | 9.70 | 9.70 |
| Copper | | 118 | 47.1 | 64.0 | 26.6 |
| Cyanide | | 32.7 | 4.80 | 0.720 | 1.20 |
| Lead | | 186 | 20.9 | 117 | 22.2 |
| Mercury | | 0.140 | 0.0890 | 0.190 | 0.330 |
| Nickel | | 14.1 | 23.5 | 19.5 | 38.0 |
| Selenium | | 0.280 | 0.530 | ND(0.270) | 0.390 |
| Silver | | 0.300 | ND(0.170) | ND(0.150) | ND(0.150) |
| Sulfide | | 13.7 | ND(8.90) | ND(8.30) | ND(7.80) |
| Thallium | | ND(0.610) | ND(0.700) | ND(0.610) | ND(0.580) |
| Tin | | 42.7 | 1.90 | 5.70 | 1.30 |
| Vanadium | | 10.1 | 8.60 | 10.3 | 10.1 |
| Zinc | | 108 | 130 | 127 | 61.7 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-3 | 60-5 | 60-5 | RAA4-4 |
| Sample ID: | 2S-BH000776-0-0060 | 2S-BH000778-0-0000 | 2S-BH000778-0-0010 | 2S-BH000309-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 1-6 | 6-15 |
| Parameter Date Collected: | 07/16/02 | 07/17/02 | 07/17/02 | 01/24/01 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,1,1-Trichloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,1,2,2-Tetrachloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,1,2-Trichloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,1-Dichloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,1-Dichloroethene | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,1-Dichloropropene | NA | NA | NA | NS |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NS |
| 1,2,3-Trichloropropane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,2,4-Trichlorobenzene | 0.036 | 1.7 | ND(0.0049) | NS |
| 1,2,4-Trimethylbenzene | NA | NA | NA | NS |
| 1,2-Dibromo-3-chloropropane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,2-Dibromoethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,2-Dichlorobenzene | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,2-Dichloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,2-Dichloroethene (total) | NA | NA | NA | NS |
| 1,2-Dichloropropane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 1,3,5-Trimethylbenzene | NA | NA | NA | NS |
| 1,3-Dichlorobenzene | 0.10 | ND(0.52) | ND(0.0049) | NS |
| 1,3-Dichloropropane | NA | NA | NA | NS |
| 1,4-Dichlorobenzene | 0.18 | ND(0.52) | ND(0.0049) | NS |
| 1,4-Dioxane | ND(0.24) | ND(26) | ND(0.25) | NS |
| 2,2-Dichloropropane | NA | NA | NA | NS |
| 2-Butanone | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 2-Chloro-1,3-butadiene | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 2-Chloroethylvinylether | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 2-Chlorotoluene | NA | NA | NA | NS |
| 2-Hexanone | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 3-Chloropropene | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| 4-Chlorotoluene | NA | NA | NA | NS |
| 4-Methyl-2-pentanone | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Acetone | NA | 1.4 | 0.093 | NS |
| Acrolein | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Acrylonitrile | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Benzene | 0.014 | ND(0.52) | 0.0049 J | NS |
| Bromobenzene | NA | NA | NA | NS |
| Bromochloromethane | NA | NA | NA | NS |
| Bromodichloromethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Bromoform | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Bromomethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Carbon Disulfide | 0.19 | ND(0.52) | 0.012 | NS |
| Carbon Tetrachloride | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Chlorobenzene | 0.12 | ND(0.52) | ND(0.0049) | NS |
| Chloroethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Chloroform | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Chloromethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| cis-1,2-Dichloroethene | ND(0.0047) | ND(0.52) | 0.0031 J | NS |
| cis-1,3-Dichloropropene | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Dibromochloromethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Dibromomethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Ethyl Methacrylate | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Ethylbenzene | 0.11 | ND(0.52) | ND(0.0049) | NS |
| Freon 12 | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Hexachlorobutadiene | NA | NA | NA | NS |
| Iodomethane | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Isobutanol | ND(0.24) | ND(26) | ND(0.25) | NS |
| Isopropylbenzene | NA | NA | NA | NS |
| m&p-Xylene | 0.15 | 0.11 J | ND(0.0049) | NS |
| Methacrylonitrile | ND(0.0047) | ND(0.52) | ND(0.0049) | NS |
| Methyl Methacrylate | ND(0.0047) | ND(0.52) | 0.011 | NS |
| Methylene Chloride | 0.050 | 0.26 J | 0.0052 | NS |
| Naphthalene | NA | 0.92 | 0.0013 J | NS |
| n-Butylbenzene | NA | NA | NA | NS |
| n-Propylbenzene | NA | NA | NA | NS |
| o-Xylene | 0.12 | ND(0.52) | ND(0.0049) | NS |
| p-Isopropyltoluene | NA | NA | NA | NS |
| Propionitrile | ND(0.019) | ND(2.1) | ND(0.020) | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-3 | 60-5 | 60-5 | RAA4-4 |
| Sample ID: | 2S-BH000776-0-0060 | 2S-BH000778-0-0000 | 2S-BH000778-0-0010 | 2S-BH000309-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 1-6 | 6-15 |
| Parameter / Date Collected: | 07/16/02 | 07/17/02 | 07/17/02 | 01/24/01 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | ND(7.3) | ND(2.3) | ND(1.2) | NA |
| Benzo(a)anthracene | 18 | 7.4 | 2.2 | 79 J |
| Benzo(a)pyrene | 16 | 11 | 2.6 | 60 J |
| Benzo(b)fluoranthene | 13 | 9.0 | 6.7 | 46 J |
| Benzo(g,h,i)perylene | 4.4 J | 8.6 | 2.7 | 34 J |
| Benzo(k)fluoranthene | 15 | 8.4 | 2.9 | 38 J |
| Benzyl Alcohol | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| bis(2-Chloroethoxy)methane | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| bis(2-Chloroethyl)ether | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| bis(2-Chloroisopropyl)ether | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| bis(2-Ethylhexyl)adipate | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | 0.59 J | ND(2.3) | ND(1.2) | ND(0.38) J |
| Butylbenzylphthalate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Carbazole | NA | NA | NA | NA |
| Chrysene | 20 | 8.1 | 4.6 | 76 J |
| Diallate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Dibenzo(a,h)anthracene | 1.9 J | 2.8 | 1.3 | 15 J |
| Dibenzofuran | 2.2 J | 0.32 J | 0.36 J | 5.8 J |
| Diethylphthalate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Dimethylphthalate | ND(7.3) | ND(2.3) | ND(1.2) | NA |
| Di-n-Butylphthalate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Di-n-Octylphthalate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Ethyl Methanesulfonate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Fluoranthene | 46 | 6.6 | 2.3 | 120 J |
| Fluorene | 5.7 J | 0.50 J | 0.069 J | 100 J |
| Hexachlorobenzene | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Hexachlorobutadiene | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Hexachlorocyclopentadiene | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Hexachloroethane | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Hexachloropropene | ND(7.3) | ND(2.3) | ND(1.2) | ND(1.9) J |
| Indeno(1,2,3-cd)pyrene | 4.2 J | 6.9 | 2.3 | 27 J |
| Isophorone | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Isosafrole | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Methapyrilene | ND(7.3) | ND(2.3) | ND(1.2) | ND(1.9) J |
| Methyl Methanesulfonate | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| Naphthalene | 4.4 J | 1.2 J | 0.58 J | 430 J |
| Nitrobenzene | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| N-Nitrosodiethylamine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| N-Nitrosodimethylamine | ND(7.3) | ND(2.3) | ND(1.2) | NA |
| N-Nitroso-di-n-butylamine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| N-Nitroso-di-n-propylamine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| N-Nitrosodiphenylamine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| N-Nitrosomethylethylamine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| N-Nitrosomorpholine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| N-Nitrosopiperidine | ND(7.3) | ND(2.3) | ND(1.2) | NA |
| N-Nitrosopyrrolidine | ND(7.3) | ND(2.3) | ND(1.2) | ND(1.9) J |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| p-Dimethylaminoazobenzene | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| Pentachlorobenzene | ND(7.3) | 0.44 J | ND(1.2) | ND(0.38) J |
| Pentachloroethane | ND(7.3) | ND(2.3) | ND(1.2) | NA |
| Pentachloronitrobenzene | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) |
| Pentachlorophenol | ND(18) | ND(5.8) | ND(3.1) | ND(1.9) J |
| Phenacetin | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| Phenanthrene | 40 | 3.2 | 1.5 | 360 J |
| Phenol | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Pronamide | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.76) |
| Pyrene | 31 | 9.1 | 1.8 | 250 J |
| Pyridine | ND(7.3) | ND(2.3) | ND(1.2) | 0.30 J |
| Safrole | ND(7.3) | ND(2.3) | ND(1.2) | ND(0.38) J |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | 60-3 | 60-5 | 60-5 | RAA4-4 |
| Sample ID: | 2S-BH000776-0-0060 | 2S-BH000778-0-0000 | 2S-BH000778-0-0010 | 2S-BH000309-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 1-6 | 6-15 |
| Parameter / Date Collected: | 07/16/02 | 07/17/02 | 07/17/02 | 01/24/01 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | ND(0.19) |
| 4,4'-DDE | NS | NS | NS | ND(0.19) |
| 4,4'-DDT | NS | NS | NS | ND(0.19) |
| Aldrin | NS | NS | NS | ND(0.096) |
| Alpha-BHC | NS | NS | NS | ND(0.096) |
| Alpha-Chlordane | NS | NS | NS | ND(0.096) |
| Beta-BHC | NS | NS | NS | ND(0.096) |
| Delta-BHC | NS | NS | NS | ND(0.096) |
| Dieldrin | NS | NS | NS | ND(0.19) |
| Endosulfan I | NS | NS | NS | ND(0.096) |
| Endosulfan II | NS | NS | NS | ND(0.19) |
| Endosulfan Sulfate | NS | NS | NS | ND(0.19) |
| Endrin | NS | NS | NS | ND(0.19) |
| Endrin Aldehyde | NS | NS | NS | ND(0.19) |
| Gamma-BHC (Lindane) | NS | NS | NS | ND(0.096) |
| Gamma-Chlordane | NS | NS | NS | ND(0.096) |
| Heptachlor | NS | NS | NS | ND(0.096) |
| Heptachlor Epoxide | NS | NS | NS | ND(0.096) |
| Isodrin | NS | NS | NS | NA |
| Kepone | NS | NS | NS | NA |
| Methoxychlor | NS | NS | NS | ND(0.96) |
| Technical Chlordane | NS | NS | NS | NA |
| Toxaphene | NS | NS | NS | ND(1.9) |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | ND(7.3) | ND(2.3) | ND(1.2) | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | 0.0000051 |
| TCDFs (total) | NS | NS | NS | 0.000038 J |
| 1,2,3,7,8-PeCDF | NS | NS | NS | 0.0000018 J |
| 2,3,4,7,8-PeCDF | NS | NS | NS | 0.0000029 J |
| PeCDFs (total) | NS | NS | NS | 0.000032 J |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | 0.0000019 J |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | 0.0000014 J |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | ND(0.00000062) |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | 0.0000021 J |
| HxCDFs (total) | NS | NS | NS | 0.000025 J |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | 0.0000044 J |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | ND(0.00000048) |
| HpCDFs (total) | NS | NS | NS | 0.0000083 J |
| OCDF | NS | NS | NS | 0.0000033 J |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | ND(0.0000012) |
| TCDDs (total) | NS | NS | NS | ND(0.0000012) |
| 1,2,3,7,8-PeCDD | NS | NS | NS | ND(0.00000033) |
| PeCDDs (total) | NS | NS | NS | 0.0000011 J |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | ND(0.00000046) |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | 0.00000077 J |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | ND(0.00000043) |
| HxCDDs (total) | NS | NS | NS | 0.0000031 J |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | 0.0000048 J |
| HpCDDs (total) | NS | NS | NS | 0.000011 J |
| OCDD | NS | NS | NS | ND(0.000022) |
| Total TEQs (WHO TEFs) | NS | NS | NS | 0.0000036 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | 60-3 | 60-5 | 60-5 | RAA4-4 |
| | Sample ID: | 2S-BH000776-0-0060 | 2S-BH000778-0-0000 | 2S-BH000778-0-0010 | 2S-BH000309-0-0060 |
| | Sample Depth(Feet): | 6-15 | 0-1 | 1-6 | 6-15 |
| | Date Collected: | 07/16/02 | 07/17/02 | 07/17/02 | 01/24/01 |
| Inorganics | | | | | |
| Antimony | | 2.60 | 4.30 | 2.40 | ND(0.670) J |
| Arsenic | | 5.10 | 5.70 | 5.10 | 4.30 |
| Barium | | 49.5 | 77.1 | 44.0 | 25.8 |
| Beryllium | | 0.230 | 0.200 | 0.310 | 0.210 |
| Cadmium | | 0.690 | 1.10 | 0.720 | 0.200 |
| Chromium | | 10.9 | 36.9 | 21.9 | 8.80 |
| Cobalt | | 10.7 | 7.70 | 7.50 | 9.80 |
| Copper | | 39.0 | 277 | 396 | 29.1 J |
| Cyanide | | 0.630 | 0.550 | ND(0.490) | ND(0.480) |
| Lead | | 30.3 | 862 | 115 | 24.1 |
| Mercury | | 0.0950 | 1.80 | 0.0840 | 0.0900 |
| Nickel | | 33.7 | 21.3 | 57.8 | 17.1 |
| Selenium | | 0.740 | 1.00 | 0.310 | ND(0.160) |
| Silver | | ND(0.150) | 1.50 | 0.210 | ND(0.0100) J |
| Sulfide | | ND(7.80) | ND(8.00) | ND(7.80) | 30.3 |
| Thallium | | ND(0.610) | ND(0.190) | ND(0.190) | 0.210 J |
| Tin | | 2.60 | 24.2 | 40.4 | ND(2.10) |
| Vanadium | | 6.40 | 8.50 | 14.5 | 10.4 |
| Zinc | | 56.7 | 392 | 227 | 59.2 J |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| Location ID: | RAA4-4 | RAA4-17 | A33 | A35 | A37 |
| Sample ID: | 2S-BH000310-0-0060 | 2S-BH000316-0-0060 | 2S-BH000615-0-0060 | 2S-BH000619-0-0010 | 2S-BH000611-0-0060 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 01/24/01 | 01/29/01 | 05/16/02 | 05/16/02 | 05/15/02 |
| Volatile Organics | | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1,1-Trichloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1,2,2-Tetrachloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1,2-Trichloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1-Dichloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1-Dichloroethene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1-Dichloropropene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,3-Trichlorobenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,3-Trichloropropane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,4-Trichlorobenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,4-Trimethylbenzene | NS | NS | 0.27 J | 0.0010 J | 0.29 J |
| 1,2-Dibromo-3-chloropropane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dibromoethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichlorobenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichloroethene (total) | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichloropropane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,3,5-Trimethylbenzene | NS | NS | 0.19 J | 0.0010 J | 0.23 J |
| 1,3-Dichlorobenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,3-Dichloropropane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,4-Dichlorobenzene | NS | NS | 0.0030 J | ND(0.010) J | ND(0.010) J |
| 1,4-Dioxane | NS | NS | R | R | R |
| 2,2-Dichloropropane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 2-Butanone | NS | NS | 0.0030 J | 0.0040 J | 0.0050 J |
| 2-Chloro-1,3-buladiene | NS | NS | NA | NA | NA |
| 2-Chloroethylvinylether | NS | NS | NA | NA | NA |
| 2-Chlorotoluene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 2-Hexanone | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 3-Chloropropene | NS | NS | NA | NA | NA |
| 4-Chlorotoluene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 4-Methyl-2-pentanone | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Acetone | NS | NS | ND(0.015) J | ND(0.019) J | 0.026 J |
| Acrolein | NS | NS | NA | NA | NA |
| Acrylonitrile | NS | NS | NA | NA | NA |
| Benzene | NS | NS | 0.0030 J | 0.0010 J | 0.016 J |
| Bromobenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromochloromethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromodichloromethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromoform | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromomethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Carbon Disulfide | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Carbon Tetrachloride | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Chlorobenzene | NS | NS | 0.0030 J | ND(0.010) J | 0.0030 J |
| Chloroethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Chloroform | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Chloromethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| cis-1,2-Dichloroethene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| cis-1,3-Dichloropropene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Dibromochloromethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Dibromomethane | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Ethyl Methacrylate | NS | NS | NA | NA | NA |
| Ethylbenzene | NS | NS | 0.23 J | ND(0.010) J | 0.35 J |
| Freon 12 | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Hexachlorobutadiene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Iodomethane | NS | NS | NA | NA | NA |
| Isobutanol | NS | NS | NA | NA | NA |
| Isopropylbenzene | NS | NS | 0.064 J | ND(0.010) J | 0.11 J |
| m&p-Xylene | NS | NS | 0.39 J | ND(0.010) J | 0.74 J |
| Methacrylonitrile | NS | NS | NA | NA | NA |
| Methyl Methacrylate | NS | NS | NA | NA | NA |
| Methylene Chloride | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.016) J |
| Naphthalene | NS | NS | 0.62 J | 0.20 J | 0.75 J |
| n-Butylbenzene | NS | NS | 0.027 J | ND(0.010) J | ND(0.010) J |
| n-Propylbenzene | NS | NS | 0.045 J | ND(0.010) J | 0.068 J |
| o-Xylene | NS | NS | 0.27 J | ND(0.010) J | 0.59 J |
| p-Isopropyltoluene | NS | NS | 0.018 J | ND(0.010) J | 0.027 J |
| Propionitrile | NS | NS | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| Location ID: | RAA4-4 | RAA4-17 | A33 | A35 | A37 |
| Sample ID: | 2S-BH000310-0-0060 | 2S-BH000316-0-0060 | 2S-BH000615-0-0060 | 2S-BH000619-0-0010 | 2S-BH000611-0-0060 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 01/24/01 | 01/29/01 | 05/16/02 | 05/16/02 | 05/15/02 |
| **Volatile Organics (continued)** | | | | | |
| sec-Butylbenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Styrene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| tert-Butylbenzene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Tetrachloroethene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Tetrahydrofuran | NS | NS | R | R | R |
| Toluene | NS | NS | 0.081 J | ND(0.010) J | 0.21 J |
| trans-1,2-Dichloroethene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| trans-1,3-Dichloropropene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| trans-1,4-Dichloro-2-butene | NS | NS | NA | NA | NA |
| Trichloroethene | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Trichlorofluoromethane | NS | NS | 0.0020 J | ND(0.010) J | 0.0090 J |
| Vinyl Acetate | NS | NS | NA | NA | NA |
| Vinyl Chloride | NS | NS | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Xylenes (total) | NS | NS | 0.66 J | ND(0.010) J | 1.3 J |
| **Semivolatile Organics** | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 1,2-Dichlorobenzene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 1,3,5-Trinitrobenzene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 1,3-Dinitrobenzene | ND(1.9) | ND(0.39) | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(1.9) J | 0.061 J | ND(1.8) | ND(11) | ND(110) J |
| 1,4-Naphthoquinone | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 1-Naphthylamine | ND(1.9) J | ND(0.39) J | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 2,4,6-Trichlorophenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2,4-Dichlorophenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2,4-Dimethylphenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2,4-Dinitrophenol | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 2,4-Dinitrotoluene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2,6-Dichlorophenol | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2-Acetylaminofluorene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 2-Chloronaphthalene | ND(1.9) J | ND(0.39) J | ND(1.8) | ND(11) | ND(110) J |
| 2-Chlorophenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2-Methylnaphthalene | 370 | 0.94 | 5.2 | ND(11) | 200 J |
| 2-Methylphenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2-Naphthylamine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 2-Nitroaniline | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 2-Nitrophenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 2-Picoline | 0.28 J | ND(0.39) | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 3,3'-Dimethylbenzidine | ND(1.9) J | ND(0.39) J | NA | NA | NA |
| 3-Methylcholanthrene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 3-Nitroaniline | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 4,6-Dinitro-2-methylphenol | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 4-Aminobiphenyl | ND(1.9) J | ND(0.39) J | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 4-Chloro-3-Methylphenol | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 4-Chloroaniline | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 4-Chlorobenzilate | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 4-Methylphenol | 0.34 J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| 4-Nitroaniline | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 4-Nitrophenol | ND(4.7) J | ND(0.98) | ND(4.5) | ND(28) | ND(280) J |
| 4-Nitroquinoline-1-oxide | ND(190) | ND(0.60) | NA | NA | NA |
| 4-Phenylenediamine | ND(1.9) J | ND(0.39) J | NA | NA | NA |
| 5-Nitro-o-toluidine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| a,a'-Dimethylphenethylamine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Acenaphthene | 250 | 1.2 | ND(1.8) | ND(11) | 34 J |
| Acenaphthylene | 130 J | 0.27 J | ND(1.8) | 1.9 J | 92 J |
| Acetophenone | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Aniline | ND(4.7) J | ND(0.98) | NA | NA | NA |
| Anthracene | 630 | 0.94 | ND(1.8) | 1.3 J | 270 J |
| Aramite | ND(1.9) J | ND(0.39) | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| Location ID: | RAA4-4 | RAA4-17 | A33 | A35 | A37 |
| Sample ID: | 2S-BH000310-0-0060 | 2S-BH000316-0-0060 | 2S-BH000615-0-0060 | 2S-BH000619-0-0010 | 2S-BH000611-0-0060 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 01/24/01 | 01/29/01 | 05/16/02 | 05/16/02 | 05/15/02 |
| **Semivolatile Organics (continued)** | | | | | |
| Azobenzene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Benzo(a)anthracene | 100 J | 0.70 | ND(1.8) | 5.5 J | 80 J |
| Benzo(a)pyrene | 100 J | 0.62 | ND(1.8) | 4.0 J | 63 J |
| Benzo(b)fluoranthene | 35 J | 0.26 J | ND(1.8) | 2.7 J | 24 J |
| Benzo(g,h,i)perylene | 60 J | 0.31 J | ND(1.8) | 2.5 J | 22 J |
| Benzo(k)fluoranthene | 65 J | 0.40 | ND(1.8) | 3.7 J | 48 J |
| Benzyl Alcohol | ND(1.9) J | ND(0.39) | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| bis(2-Chloroethyl)ether | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| bis(2-Chloroisopropyl)ether | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| bis(2-Ethylhexyl)adipate | NA | NA | 1.6 J | 1.7 J | ND(110) J |
| bis(2-Ethylhexyl)phthalate | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Butylbenzylphthalate | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Carbazole | NA | NA | ND(1.8) | ND(11) | ND(110) J |
| Chrysene | 130 J | 0.66 | ND(1.8) | 6.6 J | 78 J |
| Diallate | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Dibenzo(a,h)anthracene | 8.8 J | 0.072 J | ND(1.8) | ND(11) | ND(110) J |
| Dibenzofuran | 10 J | 0.092 J | ND(1.8) | ND(11) | ND(110) J |
| Diethylphthalate | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Dimethylphthalate | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Di-n-Butylphthalate | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Di-n-Octylphthalate | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Ethyl Methanesulfonate | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Fluoranthene | 230 | 1.5 | ND(1.8) | 9.3 J | 130 J |
| Fluorene | 170 J | 0.70 | 0.26 J | 1.3 J | 96 J |
| Hexachlorobenzene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Hexachlorobutadiene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Hexachlorocyclopentadiene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Hexachloroethane | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Hexachloropropene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 38 J | 0.21 J | ND(1.8) | 2.0 J | 21 J |
| Isophorone | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Isosafrole | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Methapyrilene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Methyl Methanesulfonate | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Naphthalene | 1100 | 3.4 | 8.9 | ND(11) | 340 J |
| Nitrobenzene | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| N-Nitrosodiethylamine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| N-Nitrosodimethylamine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| N-Nitroso-di-n-butylamine | ND(1.9) | ND(0.39) | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| N-Nitrosodiphenylamine | ND(1.9) J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| N-Nitrosomethylethylamine | ND(1.9) | ND(0.39) | NA | NA | NA |
| N-Nitrosomorpholine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| N-Nitrosopiperidine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| N-Nitrosopyrrolidine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | NA |
| o-Toluidine | ND(1.9) J | ND(0.39) | NA | NA | NA |
| p-Dimethylaminoazobenzene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Pentachlorobenzene | ND(1.9) | ND(0.39) | NA | NA | NA |
| Pentachloroethane | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Pentachloronitrobenzene | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Pentachlorophenol | ND(4.7) J | ND(0.98) | ND(4.5) | ND(29) | ND(260) J |
| Phenacetin | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Phenanthrene | 690 | 3.6 | 0.32 J | 12 | 300 J |
| Phenol | 0.51 J | ND(0.39) | ND(1.8) | ND(11) | ND(110) J |
| Pronamide | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Pyrene | 420 | 1.7 | ND(1.8) | 16 | 230 J |
| Pyridine | 0.22 J | ND(0.39) | NA | NA | NA |
| Safrole | ND(1.9) J | ND(0.39) | NA | NA | NA |
| Thionazin | NA | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| Location ID: | RAA4-4 | RAA4-17 | A33 | A35 | A37 |
| Sample ID: | 2S-BH000310-0-0060 | 2S-BH000316-0-0060 | 2S-BH000615-0-0060 | 2S-BH000619-0-0010 | 2S-BH000611-0-0060 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 1-6 | 6-15 |
| Parameter Date Collected: | 01/24/01 | 01/29/01 | 05/16/02 | 05/16/02 | 05/15/02 |
| **Organochlorine Pesticides** | | | | | |
| 4,4'-DDD | ND(0.039) J | ND(0.020) | NS | NS | NS |
| 4,4'-DDE | 0.10 J | ND(0.020) | NS | NS | NS |
| 4,4'-DDT | 0.062 J | ND(0.020) | NS | NS | NS |
| Aldrin | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Alpha-BHC | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Alpha-Chlordane | NA | NA | NS | NS | NS |
| Beta-BHC | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Delta-BHC | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Dieldrin | ND(0.039) J | ND(0.020) | NS | NS | NS |
| Endosulfan I | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Endosulfan II | 0.17 J | ND(0.020) | NS | NS | NS |
| Endosulfan Sulfate | 0.18 J | ND(0.020) | NS | NS | NS |
| Endrin | ND(0.039) J | ND(0.020) | NS | NS | NS |
| Endrin Aldehyde | 0.12 J | ND(0.020) | NS | NS | NS |
| Gamma-BHC (Lindane) | 0.024 J | ND(0.010) | NS | NS | NS |
| Gamma-Chlordane | NA | NA | NS | NS | NS |
| Heptachlor | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Heptachlor Epoxide | 0.024 J | ND(0.010) | NS | NS | NS |
| Isodrin | ND(0.019) J | ND(0.010) | NS | NS | NS |
| Kepone | R | R | NS | NS | NS |
| Methoxychlor | ND(0.19) J | ND(0.10) | NS | NS | NS |
| Technical Chlordane | ND(0.19) J | ND(0.10) | NS | NS | NS |
| Toxaphene | ND(1.9) J | ND(1.0) | NS | NS | NS |
| **Organophosphate Pesticides** | | | | | |
| Dimethoate | NS | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS | NS |
| **Herbicides** | | | | | |
| 2,4,5-T | NS | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS | NS |
| Dinoseb | ND(1.9) J | ND(0.39) | NS | NS | NS |
| **Furans** | | | | | |
| 2,3,7,8-TCDF | ND(0.0000017) | ND(0.000000078) | NS | NS | NS |
| TCDFs (total) | ND(0.0000017) | ND(0.000000078) | NS | NS | NS |
| 1,2,3,7,8-PeCDF | 0.0000012 J | ND(0.000000070) | NS | NS | NS |
| 2,3,4,7,8-PeCDF | ND(0.0000010) | ND(0.00000013) | NS | NS | NS |
| PeCDFs (total) | 0.0000012 J | 0.00000050 J | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | 0.0000011 J | 0.00000044 J | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | 0.0000010 J | ND(0.00000013) | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | ND(0.00000098) | 0.00000011 J | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | ND(0.00000089) | 0.00000011 J | NS | NS | NS |
| HxCDFs (total) | 0.0000047 J | 0.0000013 J | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | 0.0000062 J | ND(0.00000040) | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | ND(0.0000011) | 0.00000027 J | NS | NS | NS |
| HpCDFs (total) | 0.0000062 J | 0.0000013 J | NS | NS | NS |
| OCDF | 0.0000067 J | 0.0000015 J | NS | NS | NS |
| **Dioxins** | | | | | |
| 2,3,7,8-TCDD | ND(0.0000016) | ND(0.00000014) | NS | NS | NS |
| TCDDs (total) | ND(0.0000016) | ND(0.00000014) | NS | NS | NS |
| 1,2,3,7,8-PeCDD | ND(0.00000086) | ND(0.00000010) | NS | NS | NS |
| PeCDDs (total) | ND(0.0000057) | ND(0.00000047) | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | ND(0.0000016) | ND(0.00000010) | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | ND(0.0000017) | ND(0.00000011) | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | ND(0.0000015) | ND(0.000000096) | NS | NS | NS |
| HxCDDs (total) | 0.0000015 J | ND(0.00000052) | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | 0.0000079 J | ND(0.00000046) | NS | NS | NS |
| HpCDDs (total) | 0.0000079 J | 0.0000010 J | NS | NS | NS |
| OCDD | 0.000044 J | ND(0.0000037) | NS | NS | NS |
| Total TEQs (WHO TEFs) | 0.0000024 | 0.00000025 | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|
| | Location ID: | RAA4-4 | RAA4-17 | A33 | A35 | A37 |
| | Sample ID: | 2S-BH000310-0-0060 | 2S-BH000316-0-0060 | 2S-BH000615-0-0060 | 2S-BH000619-0-0010 | 2S-BH000611-0-0060 |
| | Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 1-6 | 6-15 |
| | Date Collected: | 01/24/01 | 01/29/01 | 05/16/02 | 05/16/02 | 05/15/02 |
| Inorganics | | | | | | |
| Antimony | | 0.420 J | 0.660 J | NS | NS | NS |
| Arsenic | | 7.90 J | 5.30 J | NS | NS | NS |
| Barium | | 25.9 | 50.7 | NS | NS | NS |
| Beryllium | | 0.240 J | 0.440 J | NS | NS | NS |
| Cadmium | | 0.830 J | 0.900 J | NS | NS | NS |
| Chromium | | 9.40 J | 14.3 J | NS | NS | NS |
| Cobalt | | 12.3 J | 14.3 J | NS | NS | NS |
| Copper | | 25.8 J | 18.0 J | NS | NS | NS |
| Cyanide | | 6.50 J | ND(0.520) | 0.850 J | ND(0.480) J | 3.60 J |
| Lead | | 20.1 J | 9.80 J | NS | NS | NS |
| Mercury | | 0.290 J | ND(0.0200) J | NS | NS | NS |
| Nickel | | 19.2 J | 20.8 J | NS | NS | NS |
| Selenium | | ND(0.260) | ND(0.260) | NS | NS | NS |
| Silver | | ND(0.230) | ND(0.280) | NS | NS | NS |
| Sulfide | | ND(8.60) | ND(9.50) | R | R | R |
| Thallium | | ND(2.10) J | ND(2.10) J | NS | NS | NS |
| Tin | | ND(1.10) | ND(0.710) | NS | NS | NS |
| Vanadium | | 11.0 | 17.5 | NS | NS | NS |
| Zinc | | 62.6 | 79.8 | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | B29 | B34 | B35 | C27 |
| Sample ID: | 2S-BH000664-0-0060 | 2S-BH000616-0-0060 | 2S-BH000612-0-0060 | 2S-BH000586-0-0000 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/20/02 | 05/16/02 | 05/15/02 | 04/22/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,1-Trichloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,2,2-Tetrachloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,2-Trichloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloroethene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloropropene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,3-Trichlorobenzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,3-Trichloropropane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,4-Trichlorobenzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,4-Trimethylbenzene | ND(0.012) J | 0.26 J | 0.077 J | NS |
| 1,2-Dibromo-3-chloropropane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dibromoethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichlorobenzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloroethene (total) | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloropropane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,3,5-Trimethylbenzene | ND(0.012) J | 0.20 J | 0.0060 J | NS |
| 1,3-Dichlorobenzene | ND(0.012) J | ND(0.010) J | 0.0010 J | NS |
| 1,3-Dichloropropane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 1,4-Dichlorobenzene | ND(0.012) J | 0.015 J | 0.0040 J | NS |
| 1,4-Dioxane | R | R | R | NS |
| 2,2-Dichloropropane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 2-Butanone | ND(0.012) J | ND(0.010) J | 0.0020 J | NS |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NS |
| 2-Chloroethylvinylether | NA | NA | NA | NS |
| 2-Chlorotoluene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 2-Hexanone | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 3-Chloropropene | NA | NA | NA | NS |
| 4-Chlorotoluene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| 4-Methyl-2-pentanone | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Acetone | ND(0.0060) J | ND(0.010) J | ND(0.011) J | NS |
| Acrolein | NA | NA | NA | NS |
| Acrylonitrile | NA | NA | NA | NS |
| Benzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Bromobenzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Bromochloromethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Bromodichloromethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Bromoform | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Bromomethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Carbon Disulfide | ND(0.012) J | ND(0.010) J | 0.0020 J | NS |
| Carbon Tetrachloride | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Chlorobenzene | ND(0.012) J | 0.14 J | 0.017 J | NS |
| Chloroethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Chloroform | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Chloromethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| cis-1,2-Dichloroethene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| cis-1,3-Dichloropropene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Dibromochloromethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Dibromomethane | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Ethyl Methacrylate | NA | NA | NA | NS |
| Ethylbenzene | ND(0.012) J | 0.16 J | 0.026 J | NS |
| Freon 12 | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Hexachlorobutadiene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Iodomethane | NA | NA | NA | NS |
| Isobutanol | NA | NA | NA | NS |
| Isopropylbenzene | ND(0.012) J | 0.052 J | 0.012 J | NS |
| m&p-Xylene | ND(0.012) J | 0.29 J | 0.0090 J | NS |
| Methacrylonitrile | NA | NA | NA | NS |
| Methyl Methacrylate | NA | NA | NA | NS |
| Methylene Chloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Naphthalene | ND(0.013) J | 0.58 J | 0.46 J | NS |
| n-Butylbenzene | ND(0.012) J | ND(0.010) J | 0.0040 J | NS |
| n-Propylbenzene | ND(0.012) J | 0.075 J | 0.0070 J | NS |
| o-Xylene | ND(0.012) J | 0.18 J | 0.0090 J | NS |
| p-Isopropyltoluene | ND(0.012) J | 0.019 J | 0.0050 J | NS |
| Propionitrile | NA | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | B29 | B34 | B35 | C27 |
| Sample ID: | 2S-BH000664-0-0060 | 2S-BH000616-0-0060 | 2S-BH000612-0-0060 | 2S-BH000586-0-0000 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/20/02 | 05/16/02 | 05/15/02 | 04/22/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Styrene | ND(0.012) J | 0.078 J | ND(0.010) J | NS |
| tert-Butylbenzene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Tetrachloroethene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Tetrahydrofuran | R | R | R | NS |
| Toluene | ND(0.012) J | 0.0050 J | 0.0020 J | NS |
| trans-1,2-Dichloroethene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,3-Dichloropropene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NS |
| Trichloroethene | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Trichlorofluoromethane | 0.0090 J | 0.0010 J | 0.014 J | NS |
| Vinyl Acetate | NA | NA | NA | NS |
| Vinyl Chloride | ND(0.012) J | ND(0.010) J | ND(0.010) J | NS |
| Xylenes (total) | ND(0.012) J | 0.47 J | 0.018 J | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 1,2-Dichlorobenzene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 2,4,6-Trichlorophenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2,4-Dichlorophenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2,4-Dimethylphenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2,4-Dinitrophenol | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 2,4-Dinitrotoluene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2-Chlorophenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2-Methylnaphthalene | ND(0.37) | 41 J | 0.29 J | ND(3.8) |
| 2-Methylphenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 2-Nitrophenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 4,6-Dinitro-2-methylphenol | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 4-Chloro-3-Methylphenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 4-Chloroaniline | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 4-Methylphenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| 4-Nitroaniline | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 4-Nitrophenol | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(0.37) | 0.26 J | 0.46 J | ND(3.8) |
| Acenaphthylene | ND(0.37) | ND(1.8) | ND(2.0) | 0.83 J |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(0.37) | ND(1.8) | ND(2.0) | 0.47 J |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | B29 | B34 | B35 | C27 |
| Sample ID: | 2S-BH000664-0-0060 | 2S-BH000616-0-0060 | 2S-BH000612-0-0060 | 2S-BH000586-0-0000 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/20/02 | 05/16/02 | 05/15/02 | 04/22/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(0.37) | ND(1.8) | ND(2.0) | 2.9 J |
| Benzo(a)pyrene | ND(0.37) | ND(1.8) | ND(2.0) | 2.5 J |
| Benzo(b)fluoranthene | ND(0.37) | ND(1.8) | ND(2.0) | 1.8 J |
| Benzo(g,h,i)perylene | ND(0.37) | ND(1.8) | ND(2.0) | 1.1 J |
| Benzo(k)fluoranthene | ND(0.37) | ND(1.8) | ND(2.0) | 2.5 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| bis(2-Chloroethyl)ether | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| bis(2-Chloroisopropyl)ether | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| bis(2-Ethylhexyl)adipate | 0.60 | 2.1 | 1.9 J | 2.6 J |
| bis(2-Ethylhexyl)phthalate | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Butylbenzylphthalate | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Carbazole | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Chrysene | ND(0.37) | ND(1.8) | ND(2.0) | 3.6 J |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(0.37) | ND(1.8) | ND(2.0) | 0.68 J |
| Dibenzofuran | ND(0.37) | 0.27 J | 0.42 J | ND(3.8) |
| Diethylphthalate | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Dimethylphthalate | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Di-n-Butylphthalate | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Di-n-Octylphthalate | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | ND(0.37) | ND(1.8) | 0.25 J | 0.82 J |
| Fluorene | ND(0.37) | 0.45 J | 2.1 | ND(3.8) |
| Hexachlorobenzene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Hexachlorobutadiene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Hexachlorocyclopentadiene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Hexachloroethane | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.37) | ND(1.8) | ND(2.0) | 1.4 J |
| Isophorone | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | ND(0.37) | 400 | 1.2 J | ND(3.8) |
| Nitrobenzene | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| N-Nitrosodiphenylamine | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(0.93) | ND(4.5) | ND(5.0) | ND(9.5) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | ND(0.37) | 0.69 J | 1.1 J | 4.2 |
| Phenol | ND(0.37) | ND(1.8) | ND(2.0) | ND(3.8) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | ND(0.37) | ND(1.8) | 0.36 J | 7.2 |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | B29 | B34 | B35 | C27 |
| Sample ID: | 2S-BH000684-0-0060 | 2S-BH000616-0-0060 | 2S-BH000612-0-0060 | 2S-BH000586-0-0000 |
| Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/20/02 | 05/16/02 | 05/15/02 | 04/22/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | B29 | B34 | B35 | C27 |
| | Sample ID: | 2S-BH000664-0-0060 | 2S-BH000616-0-0060 | 2S-BH000612-0-0060 | 2S-BH000586-0-0000 |
| | Sample Depth(Feet): | 6-15 | 6-15 | 6-15 | 0-1 |
| | Date Collected: | 05/20/02 | 05/16/02 | 05/15/02 | 04/22/02 |
| **Inorganics** | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | ND(0.570) J | ND(0.500) J | ND(0.550) J | 1.90 |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | R | R | R | ND(8.30) J |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C29 | C29 | C31 | C31 |
| Sample ID: | 2S-BH000665-0-0010 | 2S-BH000665-0-0060 | 2S-BH000663-0-0010 | 2S-BH000663-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 05/21/02 | 05/21/02 | 05/20/02 | 05/20/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,1,1-Trichloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,1,2,2-Tetrachloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,1,2-Trichloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,1-Dichloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,1-Dichloroethene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,1-Dichloropropene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2,3-Trichlorobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2,3-Trichloropropane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2,4-Trichlorobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2,4-Trimethylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2-Dibromo-3-chloropropane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2-Dibromoethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2-Dichlorobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2-Dichloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2-Dichloroethene (total) | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,2-Dichloropropane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,3,5-Trimethylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,3-Dichlorobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,3-Dichloropropane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,4-Dichlorobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 1,4-Dioxane | R | R | R | R |
| 2,2-Dichloropropane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 2-Butanone | ND(0.010) J | ND(0.017) J | ND(0.010) J [0.0020 J] | ND(0.010) J |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA |
| 2-Chloroethylvinylether | NA | NA | NA | NA |
| 2-Chlorotoluene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 2-Hexanone | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 3-Chloropropene | NA | NA | NA | NA |
| 4-Chlorotoluene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| 4-Methyl-2-pentanone | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Acetone | ND(0.011) J | ND(0.031) J | ND(0.010) J [ND(0.0090) J] | ND(0.010) J |
| Acrolein | NA | NA | NA | NA |
| Acrylonitrile | NA | NA | NA | NA |
| Benzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Bromobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Bromochloromethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Bromodichloromethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Bromoform | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Bromomethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Carbon Disulfide | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | 0.0020 J |
| Carbon Tetrachloride | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Chlorobenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Chloroethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Chloroform | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Chloromethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| cis-1,2-Dichloroethene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| cis-1,3-Dichloropropene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Dibromochloromethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Dibromomethane | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Ethyl Methacrylate | NA | NA | NA | NA |
| Ethylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Freon 12 | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Hexachlorobutadiene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Iodomethane | NA | NA | NA | NA |
| Isobutanol | NA | NA | NA | NA |
| Isopropylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| m&p-Xylene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Methacrylonitrile | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA |
| Methylene Chloride | ND(0.011) J | ND(0.035) J | ND(0.010) J [ND(0.0070) J] | ND(0.010) J |
| Naphthalene | ND(0.011) J | ND(0.031) J | 0.061 J [ND(0.025) J] | R |
| n-Butylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| n-Propylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| o-Xylene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| p-Isopropyltoluene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Propionitrile | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C29 | C29 | C31 | C31 |
| Sample ID: | 2S-BH000665-0-0010 | 2S-BH000665-0-0060 | 2S-BH000663-0-0010 | 2S-BH000663-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 05/21/02 | 05/21/02 | 05/20/02 | 05/20/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Styrene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| tert-Butylbenzene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Tetrachloroethene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Tetrahydrofuran | R | R | R | R |
| Toluene | ND(0.010) J | ND(0.017) J | 0.0010 J [0.0010 J] | ND(0.0010) J |
| trans-1,2-Dichloroethene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| trans-1,3-Dichloropropene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NA |
| Trichloroethene | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Trichlorofluoromethane | 0.0040 J | 0.013 J | 0.0030 J [0.0070 J] | 0.0050 J |
| Vinyl Acetate | NA | NA | NA | NA |
| Vinyl Chloride | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| Xylenes (total) | ND(0.010) J | ND(0.017) J | ND(0.010) J [ND(0.011) J] | ND(0.010) J |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 1,2-Dichlorobenzene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 2,4,6-Trichlorophenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2,4-Dichlorophenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2,4-Dimethylphenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2,4-Dinitrophenol | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 2,4-Dinitrotoluene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2-Chlorophenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2-Methylnaphthalene | ND(110) | ND(12) | 0.46 J [0.61 J] | 0.11 J |
| 2-Methylphenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 2-Nitrophenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 4,6-Dinitro-2-methylphenol | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 4-Chloro-3-Methylphenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 4-Chloroaniline | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 4-Methylphenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| 4-Nitroaniline | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 4-Nitrophenol | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Acenaphthylene | ND(110) | 1.5 J | 0.62 J [0.73 J] | ND(0.35) |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(110) | 1.9 J | 0.70 J [0.57 J] | ND(0.35) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C29 | C29 | C31 | C31 |
| Sample ID: | 2S-BH000665-0-0010 | 2S-BH000665-0-0060 | 2S-BH000663-0-0010 | 2S-BH000663-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter Date Collected: | 05/21/02 | 05/21/02 | 05/20/02 | 05/20/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | 14 J | 6.6 J | 2.5 J [2.1 J] | 0.071 J |
| Benzo(a)pyrene | 18 J | 6.5 J | 2.7 J [2.2 J] | 0.074 J |
| Benzo(b)fluoranthene | 19 J | 4.9 J | 1.9 J [1.6 J] | 0.064 J |
| Benzo(g,h,i)perylene | 14 J | 5.4 J | 3.0 J [2.9 J] | 0.089 J |
| Benzo(k)fluoranthene | 16 J | 4.6 J | 2.0 J [2.2 J] | 0.066 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| bis(2-Chloroethyl)ether | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| bis(2-Chloroisopropyl)ether | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| bis(2-Ethylhexyl)adipate | ND(110) J | 12 | 1.5 J [1.3 J] | 0.89 |
| bis(2-Ethylhexyl)phthalate | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Butylbenzylphthalate | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Carbazole | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Chrysene | 19 J | 6.8 J | 2.7 J [2.6 J] | 0.079 J |
| Dialiate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(110) | 2.2 J | 0.95 J [0.76 J] | ND(0.35) |
| Dibenzofuran | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Diethylphthalate | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Dimethylphthalate | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Di-n-Butylphthalate | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Di-n-Octylphthalate | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 18 J | 8.2 J | 3.0 J [2.5 J] | 0.093 J |
| Fluorene | ND(110) | 1.6 J | 0.49 J [0.44 J] | ND(0.35) |
| Hexachlorobenzene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Hexachlorobutadiene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Hexachlorocyclopentadiene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Hexachloroethane | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 13 J | 4.5 J | 2.2 J [2.2 J] | 0.066 J |
| Isophorone | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | ND(110) | ND(12) | 0.67 J [0.73 J] | 4.4 |
| Nitrobenzene | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| N-Nitrosodiphenylamine | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(280) | ND(29) | ND(9.4) [ND(9.3)] | ND(0.88) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | ND(110) | 8.3 J | 2.8 J [2.5 J] | 0.070 J |
| Phenol | ND(110) | ND(12) | ND(3.7) [ND(3.7)] | ND(0.35) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 31 J | 14 | 4.7 [5.1] | 0.16 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C29 | C29 | C31 | C31 |
| Sample ID: | 2S-BH000665-0-0010 | 2S-BH000665-0-0060 | 2S-BH000663-0-0010 | 2S-BH000663-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter Date Collected: | 05/21/02 | 05/21/02 | 05/20/02 | 05/20/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C29 | C29 | C31 | C31 |
| Sample ID: | 2S-BH000665-0-0010 | 2S-BH000665-0-0060 | 2S-BH000663-0-0010 | 2S-BH000663-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 05/21/02 | 05/21/02 | 05/20/02 | 05/20/02 |
| Inorganics | | | | |
| Antimony | NS | NS | NS | NS |
| Arsenic | NS | NS | NS | NS |
| Barium | NS | NS | NS | NS |
| Beryllium | NS | NS | NS | NS |
| Cadmium | NS | NS | NS | NS |
| Chromium | NS | NS | NS | NS |
| Cobalt | NS | NS | NS | NS |
| Copper | NS | NS | NS | NS |
| Cyanide | 5.50 | 4.00 | 12.5 J [11.7 J] | ND(0.510) J |
| Lead | NS | NS | NS | NS |
| Mercury | NS | NS | NS | NS |
| Nickel | NS | NS | NS | NS |
| Selenium | NS | NS | NS | NS |
| Silver | NS | NS | NS | NS |
| Sulfide | ND(8.00) | ND(9.10) | R | R |
| Thallium | NS | NS | NS | NS |
| Tin | NS | NS | NS | NS |
| Vanadium | NS | NS | NS | NS |
| Zinc | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: / Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected: | 4B<br>C33<br>2S-BH000661-0-0010<br>1-6<br>05/20/02 | 4B<br>C33<br>2S-BH000661-0-0060<br>6-15<br>05/20/02 | 4B<br>C34<br>2S-BH000624-0-0010<br>1-6<br>05/17/02 | 4B<br>C34<br>2S-BH000624-0-0060<br>6-15<br>05/17/02 |
|---|---|---|---|---|
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1,1-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1,2,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1,2-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,1-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,3-Trichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,3-Trichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,4-Trichlorobenzene | 0.0010 J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2,4-Trimethylbenzene | 0.17 J | 0.073 J | 0.019 J | 0.097 J |
| 1,2-Dibromo-3-chloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dibromoethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichloroethene (total) | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,3,5-Trimethylbenzene | 0.056 J | 0.022 J | 0.0060 J | 0.046 J |
| 1,3-Dichlorobenzene | 0.0020 J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,3-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 1,4-Dichlorobenzene | 0.0060 J | 0.0020 J | ND(0.010) J | ND(0.010) J |
| 1,4-Dioxane | R | R | R | R |
| 2,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 2-Butanone | 0.0070 J | 0.0040 J | ND(0.010) J | 0.0050 J |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA |
| 2-Chloroethylvinylether | NA | NA | NA | NA |
| 2-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 2-Hexanone | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 3-Chloropropene | NA | NA | NA | NA |
| 4-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| 4-Methyl-2-pentanone | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Acetone | 0.033 J | ND(0.018) J | ND(0.014) J | 0.026 J |
| Acrolein | NA | NA | NA | NA |
| Acrylonitrile | NA | NA | NA | NA |
| Benzene | 0.0020 J | 0.0050 J | ND(0.010) J | ND(0.010) J |
| Bromobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromodichloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromoform | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Bromomethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Carbon Disulfide | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Carbon Tetrachloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Chlorobenzene | 0.0070 J | 0.042 J | ND(0.010) J | 0.013 J |
| Chloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Chloroform | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Chloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| cis-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| cis-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Dibromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Dibromomethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Ethyl Methacrylate | NA | NA | NA | NA |
| Ethylbenzene | 0.093 J | 0.041 J | 0.0020 J | 0.043 J |
| Freon 12 | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Hexachlorobutadiene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Iodomethane | NA | NA | NA | NA |
| Isobutanol | NA | NA | NA | NA |
| Isopropylbenzene | 0.011 J | 0.0030 J | ND(0.010) J | 0.011 J |
| m&p-Xylene | 0.024 J | 0.015 J | 0.0020 J | 0.011 J |
| Methacrylonitrile | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA |
| Methylene Chloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Naphthalene | 0.19 J | 0.18 J | 0.53 J | 0.47 J |
| n-Butylbenzene | 0.011 J | 0.0030 J | ND(0.010) J | 0.0040 J |
| n-Propylbenzene | 0.0060 J | 0.0030 J | ND(0.010) J | 0.0080 J |
| o-Xylene | 0.062 J | 0.027 J | 0.0050 J | 0.048 J |
| p-Isopropyltoluene | 0.0060 J | 0.0010 J | ND(0.010) J | 0.0030 J |
| Propionitrile | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C33 | C33 | C34 | C34 |
| Sample ID: | 2S-BH000661-0-0010 | 2S-BH000661-0-0060 | 2S-BH000624-0-0010 | 2S-BH000624-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter Date Collected: | 05/20/02 | 05/20/02 | 05/17/02 | 05/17/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Styrene | 0.071 J | 0.026 J | 0.0030 J | ND(0.010) J |
| tert-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Tetrachloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Tetrahydrofuran | R | R | R | R |
| Toluene | 0.012 J | 0.0090 J | 0.0010 J | 0.0010 J |
| trans-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| trans-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NA |
| Trichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Trichlorofluoromethane | 0.0050 J | 0.0020 J | ND(0.010) J | 0.0010 J |
| Vinyl Acetate | NA | NA | NA | NA |
| Vinyl Chloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | ND(0.010) J |
| Xylenes (total) | 0.086 J | 0.042 J | 0.0070 J | 0.059 J |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 1,2-Dichlorobenzene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 2,4,6-Trichlorophenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2,4-Dichlorophenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2,4-Dimethylphenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2,4-Dinitrophenol | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 2,4-Dinitrotoluene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2-Chlorophenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2-Methylnaphthalene | 10 J | 4.7 | 43 J | 0.58 J |
| 2-Methylphenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 2-Nitrophenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 4,6-Dinitro-2-methylphenol | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 4-Chloro-3-Methylphenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 4-Chloroaniline | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 4-Methylphenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| 4-Nitroaniline | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 4-Nitrophenol | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(11) | ND(3.5) J | 0.78 J | ND(0.74) |
| Acenaphthylene | 2.1 J | 0.84 J | 2.2 J | 0.11 J |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | 4.1 J | 1.2 J | 2.7 J | 0.10 J |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C33 | C33 | C34 | C34 |
| Sample ID: | 2S-BH000661-0-0010 | 2S-BH000661-0-0060 | 2S-BH000624-0-0010 | 2S-BH000624-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter Date Collected: | 05/20/02 | 05/20/02 | 05/17/02 | 05/17/02 |
| Semivolatile Organics (continued) | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | 7.1 J | 2.9 J | 3.9 | 0.24 J |
| Benzo(a)pyrene | 7.3 J | 2.8 J | 3.6 J | 0.23 J |
| Benzo(b)fluoranthene | 5.9 J | 1.8 J | 2.8 J | 0.19 J |
| Benzo(g,h,i)perylene | 5.2 J | 1.9 J | 2.2 J | 0.17 J |
| Benzo(k)fluoranthene | 6.7 J | 2.6 J | 3.1 J | 0.22 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| bis(2-Chloroethyl)ether | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| bis(2-Chloroisopropyl)ether | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| bis(2-Ethylhexyl)adipate | 1.6 J | 1.3 J | 0.53 J | 0.91 |
| bis(2-Ethylhexyl)phthalate | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Butylbenzylphthalate | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Carbazole | 1.3 J | ND(3.5) | ND(3.7) | ND(0.74) |
| Chrysene | 6.8 J | 3.1 J | 4.1 | 0.24 J |
| Dialfate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Dibenzofuran | 2.4 J | 0.41 J | 0.84 J | ND(0.74) |
| Diethylphthalate | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Dimethylphthalate | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Di-n-Butylphthalate | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Di-n-Octylphthalate | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 17 | 5.6 | 8.5 | 0.47 J |
| Fluorene | 4.7 J | 1.0 J | 2.6 J | 0.13 J |
| Hexachlorobenzene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Hexachlorobutadiene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Hexachlorocyclopentadiene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Hexachloroethane | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 4.8 J | 1.9 J | 2.2 J | 0.15 J |
| Isophorone | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | 310 | 79 | 170 | 11 |
| Nitrobenzene | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| N-Nitrosodiphenylamine | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(28) | ND(8.8) | ND(9.3) | ND(1.8) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 20 | 4.6 | 11 | 0.51 J |
| Phenol | ND(11) | ND(3.5) | ND(3.7) | ND(0.74) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 17 | 6.5 | 9.5 | 0.53 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C33 | C33 | C34 | C34 |
| Sample ID: | 2S-BH000661-0-0010 | 2S-BH000661-0-0060 | 2S-BH000624-0-0010 | 2S-BH000624-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Parameter / Date Collected: | 05/20/02 | 05/20/02 | 05/17/02 | 05/17/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C33 | C33 | C34 | C34 |
| Sample ID: | 2S-BH000661-0-0010 | 2S-BH000661-0-0060 | 2S-BH000624-0-0010 | 2S-BH000624-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 1-6 | 6-15 |
| Date Collected: | 05/20/02 | 05/20/02 | 05/17/02 | 05/17/02 |
| **Inorganics** | | | | |
| Antimony | NS | NS | NS | NS |
| Arsenic | NS | NS | NS | NS |
| Barium | NS | NS | NS | NS |
| Beryllium | NS | NS | NS | NS |
| Cadmium | NS | NS | NS | NS |
| Chromium | NS | NS | NS | NS |
| Cobalt | NS | NS | NS | NS |
| Copper | NS | NS | NS | NS |
| Cyanide | 5.90 J | 3.80 J | 6.50 J | 0.820 J |
| Lead | NS | NS | NS | NS |
| Mercury | NS | NS | NS | NS |
| Nickel | NS | NS | NS | NS |
| Selenium | NS | NS | NS | NS |
| Silver | NS | NS | NS | NS |
| Sulfide | 33.9 J | R | R | R |
| Thallium | NS | NS | NS | NS |
| Tin | NS | NS | NS | NS |
| Vanadium | NS | NS | NS | NS |
| Zinc | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C35 | C35 | C36 | D25 |
| Sample ID: | 2S-BH000626-0-0010 | 2S-BH000626-0-0060 | 2S-BH000613-0-0060 | 2S-BH000596-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/17/02 | 05/17/02 | 05/15/02 | 04/24/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,1-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,2,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,2-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,3-Trichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,3-Trichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,4-Trichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,4-Trimethylbenzene | ND(0.010) J | 0.0010 J | ND(0.010) J | NS |
| 1,2-Dibromo-3-chloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dibromoethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloroethene (total) | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,3,5-Trimethylbenzene | 0.0010 J | ND(0.010) J | 0.0020 J | NS |
| 1,3-Dichlorobenzene | ND(0.010) J | 0.0060 J | 0.0030 J | NS |
| 1,3-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,4-Dichlorobenzene | ND(0.010) J | 0.011 J | 0.0040 J | NS |
| 1,4-Dioxane | R | R | R | NS |
| 2,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 2-Butanone | 0.0030 J | 0.0020 J | 0.0020 J | NS |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NS |
| 2-Chloroethylvinylether | NA | NA | NA | NS |
| 2-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 2-Hexanone | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 3-Chloropropene | NA | NA | NA | NS |
| 4-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 4-Methyl-2-pentanone | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Acetone | ND(0.019) J | ND(0.014) J | ND(0.010) J | NS |
| Acrolein | NA | NA | NA | NS |
| Acrylonitrile | NA | NA | NA | NS |
| Benzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromodichloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromoform | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromomethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Carbon Disulfide | ND(0.010) J | ND(0.010) J | 0.0020 J | NS |
| Carbon Tetrachloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Chlorobenzene | 0.0090 J | 0.17 J | 0.020 J | NS |
| Chloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Chloroform | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Chloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| cis-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| cis-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Dibromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Dibromomethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Ethyl Methacrylate | NA | NA | NA | NS |
| Ethylbenzene | 0.00090 J | 0.00080 J | 0.0030 J | NS |
| Freon 12 | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Hexachlorobutadiene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Iodomethane | NA | NA | NA | NS |
| Isobutanol | NA | NA | NA | NS |
| Isopropylbenzene | ND(0.010) J | 0.0030 J | 0.0020 J | NS |
| m&p-Xylene | ND(0.010) J | 0.0010 J | ND(0.010) J | NS |
| Methacrylonitrile | NA | NA | NA | NS |
| Methyl Methacrylate | NA | NA | NA | NS |
| Methylene Chloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Naphthalene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| n-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| n-Propylbenzene | ND(0.010) J | ND(0.010) J | 0.0010 J | NS |
| o-Xylene | ND(0.010) J | 0.0010 J | 0.0020 J | NS |
| p-Isopropyltoluene | ND(0.010) J | 0.00320 J | ND(0.010) J | NS |
| Propionitrile | NA | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C35 | C35 | C36 | D25 |
| Sample ID: | 2S-BH000626-0-0010 | 2S-BH000626-0-0060 | 2S-BH000613-0-0060 | 2S-BH000596-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/17/02 | 05/17/02 | 05/15/02 | 04/24/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Styrene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| tert-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Tetrachloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Tetrahydrofuran | R | R | R | NS |
| Toluene | ND(0.010) J | ND(0.010) J | 0.0010 J | NS |
| trans-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NS |
| Trichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Trichlorofluoromethane | 0.0020 J | 0.0020 J | 0.0060 J | NS |
| Vinyl Acetate | NA | NA | NA | NS |
| Vinyl Chloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Xylenes (total) | ND(0.010) J | 0.0020 J | 0.0020 J | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 1,2-Dichlorobenzene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 2,4,6-Trichlorophenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2,4-Dichlorophenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2,4-Dimethylphenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2,4-Dinitrophenol | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 2,4-Dinitrotoluene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2-Chlorophenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2-Methylnaphthalene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2-Methylphenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 2-Nitrophenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 4,6-Dinitro-2-methylphenol | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 4-Chloro-3-Methylphenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 4-Chloroaniline | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 4-Methylphenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| 4-Nitroaniline | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 4-Nitrophenol | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Acenaphthylene | ND(11) | 0.58 J | ND(6.8) | ND(3.3) |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(11) | 0.72 J | ND(6.8) | ND(3.3) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C35 | C35 | C36 | D25 |
| Sample ID: | 2S-BH000626-0-0010 | 2S-BH000626-0-0060 | 2S-BH000613-0-0060 | 2S-BH000596-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/17/02 | 05/17/02 | 05/15/02 | 04/24/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | 2.8 J | 2.1 J | ND(6.8) | 0.45 J |
| Benzo(a)pyrene | 2.5 J | 2.0 J | ND(6.8) | 0.70 J |
| Benzo(b)fluoranthene | 2.4 J | 1.1 J | ND(6.8) | 0.41 J |
| Benzo(g,h,i)perylene | 2.2 J | 0.82 J | ND(6.8) | 0.38 J |
| Benzo(k)fluoranthene | 3.1 J | 1.2 J | ND(6.8) | 0.61 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| bis(2-Chloroethyl)ether | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| bis(2-Chloroisopropyl)ether | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| bis(2-Ethylhexyl)adipate | 1.5 J | 1.4 J | 18 | 3.6 |
| bis(2-Ethylhexyl)phthalate | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Butylbenzylphthalate | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Carbazole | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Chrysene | 3.1 J | 2.2 J | ND(6.8) | 0.50 J |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Dibenzofuran | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Diethylphthalate | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Dimethylphthalate | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Di-n-Butylphthalate | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Di-n-Octylphthalate | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 5.4 J | 3.5 J | ND(6.8) | 0.50 J |
| Fluorene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Hexachlorobenzene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Hexachlorobutadiene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Hexachlorocyclopentadiene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Hexachloroethane | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 1.9 J | 0.68 J | ND(6.8) | 0.45 J |
| Isophorone | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | 1.5 J | ND(3.5) | ND(6.8) | ND(3.3) |
| Nitrobenzene | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| N-Nitrosodiphenylamine | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(28) | ND(8.9) | ND(17) | ND(8.4) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 4.7 J | 1.7 J | ND(6.8) | ND(3.3) |
| Phenol | ND(11) | ND(3.5) | ND(6.8) | ND(3.3) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 6.4 J | 6.1 | ND(6.8) | 0.96 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | C35 | C35 | C36 | D25 |
| Sample ID: | 2S-BH000626-0-0010 | 2S-BH000626-0-0060 | 2S-BH000613-0-0060 | 2S-BH000596-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/17/02 | 05/17/02 | 05/15/02 | 04/24/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | C35 | C35 | C36 | D25 |
| | Sample ID: | 2S-BH000626-0-0010 | 2S-BH000626-0-0060 | 2S-BH000613-0-0060 | 2S-BH000596-0-0000 |
| | Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 0-1 |
| | Date Collected: | 05/17/02 | 05/17/02 | 05/15/02 | 04/24/02 |
| **Inorganics** | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | 7.90 J | 2.50 J | ND(0.430) J | ND(0.500) |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | R | R | 36.0 J | R |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D27 | D29 | D29 | D31 |
| Sample ID: | 2S-BH000667-0-0010 | 2S-BH000591-0-0000 | 2S-BH000591-0-0000 | 2S-BH000668-0-0010 |
| Sample Depth(Feet): | 1-6 | 0-1 | 0-1 | 1-6 |
| Parameter / Date Collected: | 05/21/02 | 04/22/02 | 04/23/02 | 05/21/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,1,1-Trichloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,1,2,2-Tetrachloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,1,2-Trichloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,1-Dichloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,1-Dichloroethene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,1-Dichloropropene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2,3-Trichlorobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2,3-Trichloropropane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2,4-Trichlorobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2,4-Trimethylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2-Dibromo-3-chloropropane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2-Dibromoethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2-Dichlorobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2-Dichloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2-Dichloroethene (total) | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,2-Dichloropropane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,3,5-Trimethylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,3-Dichlorobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,3-Dichloropropane | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,4-Dichlorobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| 1,4-Dioxane | R | NS | NS | R |
| 2,2-Dichloropropane | ND(0.010) J | NS | NS | ND(0.013) J |
| 2-Butanone | ND(0.010) J | NS | NS | ND(0.013) J |
| 2-Chloro-1,3-butadiene | NA | NS | NS | NA |
| 2-Chloroethylvinylether | NA | NS | NS | NA |
| 2-Chlorotoluene | ND(0.010) J | NS | NS | ND(0.013) J |
| 2-Hexanone | ND(0.010) J | NS | NS | ND(0.013) J |
| 3-Chloropropene | NA | NS | NS | NA |
| 4-Chlorotoluene | ND(0.010) J | NS | NS | ND(0.013) J |
| 4-Methyl-2-pentanone | ND(0.010) J | NS | NS | ND(0.013) J |
| Acetone | ND(0.011) J | NS | NS | ND(0.013) J |
| Acrolein | NA | NS | NS | NA |
| Acrylonitrile | NA | NS | NS | NA |
| Benzene | ND(0.010) J | NS | NS | 0.0040 J |
| Bromobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| Bromochloromethane | ND(0.010) J | NS | NS | ND(0.013) J |
| Bromodichloromethane | ND(0.010) J | NS | NS | ND(0.013) J |
| Bromoform | ND(0.010) J | NS | NS | ND(0.013) J |
| Bromomethane | ND(0.010) J | NS | NS | ND(0.013) J |
| Carbon Disulfide | ND(0.010) J | NS | NS | ND(0.013) J |
| Carbon Tetrachloride | ND(0.010) J | NS | NS | ND(0.013) J |
| Chlorobenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| Chloroethane | ND(0.010) J | NS | NS | ND(0.013) J |
| Chloroform | ND(0.010) J | NS | NS | ND(0.013) J |
| Chloromethane | ND(0.010) J | NS | NS | ND(0.013) J |
| cis-1,2-Dichloroethene | ND(0.010) J | NS | NS | ND(0.013) J |
| cis-1,3-Dichloropropene | ND(0.010) J | NS | NS | ND(0.013) J |
| Dibromochloromethane | ND(0.010) J | NS | NS | ND(0.013) J |
| Dibromomethane | ND(0.010) J | NS | NS | ND(0.013) J |
| Ethyl Methacrylate | NA | NS | NS | NA |
| Ethylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| Freon 12 | ND(0.010) J | NS | NS | ND(0.013) J |
| Hexachlorobutadiene | ND(0.010) J | NS | NS | ND(0.013) J |
| Iodomethane | NA | NS | NS | NA |
| Isobutanol | NA | NS | NS | NA |
| Isopropylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| m&p-Xylene | ND(0.010) J | NS | NS | ND(0.013) J |
| Methacrylonitrile | NA | NS | NS | NA |
| Methyl Methacrylate | NA | NS | NS | NA |
| Methylene Chloride | ND(0.011) J | NS | NS | ND(0.013) J |
| Naphthalene | ND(0.015) J | NS | NS | ND(0.013) J |
| n-Butylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| n-Propylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| o-Xylene | ND(0.010) J | NS | NS | ND(0.013) J |
| p-Isopropyltoluene | ND(0.010) J | NS | NS | ND(0.013) J |
| Propionitrile | NA | NS | NS | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D27 | D29 | D29 | D31 |
| Sample ID: | 2S-BH000667-0-0010 | 2S-BH000591-0-0000 | 2S-BH000591-0-0000 | 2S-BH000668-0-0010 |
| Sample Depth(Feet): | 1-6 | 0-1 | 0-1 | 1-6 |
| Parameter Date Collected: | 05/21/02 | 04/22/02 | 04/23/02 | 05/21/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| Styrene | ND(0.010) J | NS | NS | ND(0.013) J |
| tert-Butylbenzene | ND(0.010) J | NS | NS | ND(0.013) J |
| Tetrachloroethene | ND(0.010) J | NS | NS | ND(0.013) J |
| Tetrahydrofuran | R | NS | NS | R |
| Toluene | ND(0.010) J | NS | NS | 0.0030 J |
| trans-1,2-Dichloroethene | ND(0.010) J | NS | NS | ND(0.013) J |
| trans-1,3-Dichloropropene | ND(0.010) J | NS | NS | ND(0.013) J |
| trans-1,4-Dichloro-2-butene | NA | NS | NS | NA |
| Trichloroethene | ND(0.010) J | NS | NS | ND(0.013) J |
| Trichlorofluoromethane | 0.0060 J | NS | NS | 0.0050 J |
| Vinyl Acetate | NA | NS | NS | NA |
| Vinyl Chloride | ND(0.010) J | NS | NS | ND(0.013) J |
| Xylenes (total) | ND(0.010) J | NS | NS | ND(0.013) J |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NS | NA |
| 1,2,4-Trichlorobenzene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 1,2-Dichlorobenzene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 1,3,5-Trinitrobenzene | NA | NA | NS | NA |
| 1,3-Dichlorobenzene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 1,3-Dinitrobenzene | NA | NA | NS | NA |
| 1,4-Dichlorobenzene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 1,4-Naphthoquinone | NA | NA | NS | NA |
| 1-Naphthylamine | NA | NA | NS | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NS | NA |
| 2,4,5-Trichlorophenol | ND(9.5) | ND(8.8) | NS | ND(30) |
| 2,4,6-Trichlorophenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2,4-Dichlorophenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2,4-Dimethylphenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2,4-Dinitrophenol | ND(9.5) | ND(8.8) | NS | ND(30) |
| 2,4-Dinitrotoluene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2,6-Dichlorophenol | NA | NA | NS | NA |
| 2,6-Dinitrotoluene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2-Acetylaminofluorene | NA | NA | NS | NA |
| 2-Chloronaphthalene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2-Chlorophenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2-Methylnaphthalene | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2-Methylphenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2-Naphthylamine | NA | NA | NS | NA |
| 2-Nitroaniline | ND(9.5) | ND(8.8) | NS | ND(30) |
| 2-Nitrophenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 2-Picoline | NA | NA | NS | NA |
| 3,3'-Dichlorobenzidine | ND(3.8) | ND(3.5) | NS | ND(12) |
| 3,3'-Dimethylbenzidine | NA | NA | NS | NA |
| 3-Methylcholanthrene | NA | NA | NS | NA |
| 3-Nitroaniline | ND(9.5) | ND(8.8) | NS | ND(30) |
| 4,6-Dinitro-2-methylphenol | ND(9.5) | ND(8.8) | NS | ND(30) |
| 4-Aminobiphenyl | NA | NA | NS | NA |
| 4-Bromophenyl-phenylether | ND(3.8) | ND(3.5) | NS | ND(12) |
| 4-Chloro-3-Methylphenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 4-Chloroaniline | ND(3.8) | ND(3.5) | NS | ND(12) |
| 4-Chlorobenzilate | NA | NA | NS | NA |
| 4-Chlorophenyl-phenylether | ND(3.8) | ND(3.5) | NS | ND(12) |
| 4-Methylphenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| 4-Nitroaniline | ND(9.5) | ND(8.8) | NS | ND(30) |
| 4-Nitrophenol | ND(9.5) | ND(8.8) | NS | ND(30) |
| 4-Nitroquinoline-1-oxide | NA | NA | NS | NA |
| 4-Phenylenediamine | NA | NA | NS | NA |
| 5-Nitro-o-toluidine | NA | NA | NS | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NS | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NS | NA |
| Acenaphthene | ND(3.8) | ND(3.5) | NS | ND(12) |
| Acenaphthylene | ND(3.8) | ND(3.5) | NS | 1.5 J |
| Acetophenone | NA | NA | NS | NA |
| Aniline | NA | NA | NS | NA |
| Anthracene | 0.44 J | ND(3.5) | NS | ND(12) |
| Aramite | NA | NA | NS | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D27 | D29 | D29 | D31 |
| Sample ID: | 2S-BH000667-0-0010 | 2S-BH000591-0-0000 | 2S-BH000591-0-0000 | 2S-BH000668-0-0010 |
| Sample Depth(Feet): | 1-6 | 0-1 | 0-1 | 1-6 |
| Parameter Date Collected: | 05/21/02 | 04/22/02 | 04/23/02 | 05/21/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NS | NA |
| Benzo(a)anthracene | 1.4 J | 0.98 J | NS | 3.4 J |
| Benzo(a)pyrene | 1.6 J | 1.0 J | NS | 2.7 J |
| Benzo(b)fluoranthene | 1.9 J | 1.1 J | NS | 3.9 J |
| Benzo(g,h,i)perylene | 1.2 J | 0.61 J | NS | 2.4 J |
| Benzo(k)fluoranthene | 1.5 J | 1.2 J | NS | 3.5 J |
| Benzyl Alcohol | NA | NA | NS | NA |
| bis(2-Chloroethoxy)methane | ND(3.8) | ND(3.5) | NS | ND(12) |
| bis(2-Chloroethyl)ether | ND(3.8) | ND(3.5) | NS | ND(12) |
| bis(2-Chloroisopropyl)ether | ND(3.8) | ND(3.5) | NS | ND(12) |
| bis(2-Ethylhexyl)adipate | 1.7 J | 1.2 J | NS | 4.3 J |
| bis(2-Ethylhexyl)phthalate | ND(3.8) | ND(3.5) | NS | ND(15) |
| Butylbenzylphthalate | ND(3.8) | ND(3.5) | NS | ND(12) |
| Carbazole | ND(3.8) | ND(3.5) | NS | ND(12) |
| Chrysene | 1.7 J | 1.2 J | NS | 4.0 J |
| Diallate | NA | NA | NS | NA |
| Dibenzo(a,h)anthracene | ND(3.8) | 0.38 J | NS | ND(12) |
| Dibenzofuran | ND(3.8) | ND(3.5) | NS | ND(12) |
| Diethylphthalate | ND(3.8) | ND(3.5) | NS | ND(12) |
| Dimethylphthalate | ND(3.8) | ND(3.5) | NS | ND(12) |
| Di-n-Butylphthalate | ND(3.8) | 0.44 J | NS | ND(12) |
| Di-n-Octylphthalate | ND(3.8) | ND(3.5) | NS | ND(12) |
| Ethyl Methanesulfonate | NA | NA | NS | NA |
| Fluoranthene | 2.6 J | 1.9 J | NS | 4.7 J |
| Fluorene | ND(3.8) | ND(3.5) | NS | ND(12) |
| Hexachlorobenzene | ND(3.8) | ND(3.5) | NS | ND(12) |
| Hexachlorobutadiene | ND(3.8) | ND(3.5) | NS | ND(12) |
| Hexachlorocyclopentadiene | ND(3.8) | ND(3.5) | NS | ND(12) |
| Hexachloroethane | ND(3.8) | ND(3.5) | NS | ND(12) |
| Hexachloropropene | NA | NA | NS | NA |
| Indeno(1,2,3-cd)pyrene | 1.1 J | 0.89 J | NS | 2.3 J |
| Isophorone | ND(3.8) | ND(3.5) | NS | ND(12) |
| Isosafrole | NA | NA | NS | NA |
| Methapyrilene | NA | NA | NS | NA |
| Methyl Methanesulfonate | NA | NA | NS | NA |
| Naphthalene | 0.40 J | ND(3.5) | NS | 1.7 J |
| Nitrobenzene | ND(3.8) | ND(3.5) | NS | ND(12) |
| N-Nitrosodiethylamine | NA | NA | NS | NA |
| N-Nitrosodimethylamine | NA | NA | NS | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NS | NA |
| N-Nitroso-di-n-propylamine | ND(3.8) | ND(3.5) | NS | ND(12) |
| N-Nitrosodiphenylamine | ND(3.8) | ND(3.5) | NS | ND(12) |
| N-Nitrosomethylethylamine | NA | NA | NS | NA |
| N-Nitrosomorpholine | NA | NA | NS | NA |
| N-Nitrosopiperidine | NA | NA | NS | NA |
| N-Nitrosopyrrolidine | NA | NA | NS | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NS | NA |
| o-Toluidine | NA | NA | NS | NA |
| p-Dimethylaminoazobenzene | NA | NA | NS | NA |
| Pentachlorobenzene | NA | NA | NS | NA |
| Pentachloroethane | NA | NA | NS | NA |
| Pentachloronitrobenzene | NA | NA | NS | NA |
| Pentachlorophenol | ND(9.5) | ND(8.8) | NS | ND(30) |
| Phenacetin | NA | NA | NS | NA |
| Phenanthrene | 2.1 J | 1.1 J | NS | 2.4 J |
| Phenol | ND(3.8) | ND(3.5) | NS | ND(12) |
| Pronamine | NA | NA | NS | NA |
| Pyrene | 2.8 J | 2.0 J | NS | 8.4 J |
| Pyridine | NA | NA | NS | NA |
| Safrole | NA | NA | NS | NA |
| Thionazin | NA | NA | NS | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D27 | D29 | D29 | D31 |
| Sample ID: | 2S-BH000667-0-0010 | 2S-BH000591-0-0000 | 2S-BH000591-0-0000 | 2S-BH000668-0-0010 |
| Sample Depth(Feet): | 1-6 | 0-1 | 0-1 | 1-6 |
| Date Collected: | 05/21/02 | 04/22/02 | 04/23/02 | 05/21/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | 0.00015 | NS |
| TCDFs (total) | NS | NS | 0.00080 | NS |
| 1,2,3,7,8-PeCDF | NS | NS | 0.00011 | NS |
| 2,3,4,7,8-PeCDF | NS | NS | 0.00022 | NS |
| PeCDFs (total) | NS | NS | 0.0017 J | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | 0.00038 | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | 0.00018 | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | 0.000051 | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | 0.00013 | NS |
| HxCDFs (total) | NS | NS | 0.0020 | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | 0.00045 | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | 0.00012 | NS |
| HpCDFs (total) | NS | NS | 0.0010 | NS |
| OCDF | NS | NS | 0.0012 | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | 0.0000012 | NS |
| TCDDs (total) | NS | NS | 0.000016 | NS |
| 1,2,3,7,8-PeCDD | NS | NS | 0.0000048 | NS |
| PeCDDs (total) | NS | NS | 0.000033 | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | 0.0000041 | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | 0.0000080 | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | 0.0000067 | NS |
| HxCDDs (total) | NS | NS | 0.000098 | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | 0.000075 | NS |
| HpCDDs (total) | NS | NS | 0.00018 | NS |
| OCDD | NS | NS | 0.00049 | NS |
| Total TEQs (WHO TEFs) | NS | NS | 0.00022 | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D27 | D29 | D29 | D31 |
| Sample ID: | 2S-BH000667-0-0010 | 2S-BH000591-0-0000 | 2S-BH000591-0-0000 | 2S-BH000668-0-0010 |
| Sample Depth(Feet): | 1-6 | 0-1 | 0-1 | 1-6 |
| Parameter Date Collected: | 05/21/02 | 04/22/02 | 04/23/02 | 05/21/02 |
| Inorganics | | | | |
| Antimony | NS | NS | NS | NS |
| Arsenic | NS | NS | NS | NS |
| Barium | NS | NS | NS | NS |
| Beryllium | NS | NS | NS | NS |
| Cadmium | NS | NS | NS | NS |
| Chromium | NS | NS | NS | NS |
| Cobalt | NS | NS | NS | NS |
| Copper | NS | NS | NS | NS |
| Cyanide | 6.60 | NS | ND(0.550) | 13.9 |
| Lead | NS | NS | NS | NS |
| Mercury | NS | NS | NS | NS |
| Nickel | NS | NS | NS | NS |
| Selenium | NS | NS | NS | NS |
| Silver | NS | NS | NS | NS |
| Sulfide | ND(9.30) | NS | ND(7.90) J | ND(8.90) |
| Thallium | NS | NS | NS | NS |
| Tin | NS | NS | NS | NS |
| Vanadium | NS | NS | NS | NS |
| Zinc | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D31 | D33 | D33 | D34 |
| Sample ID: | 2S-BH000668-0-0060 | 2S-BH000669-0-0010 | 2S-BH000669-0-0060 | 2S-BH000592-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/21/02 | 05/21/02 | 05/21/02 | 04/23/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | NA | NA | NA | NA |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA |
| 1,1-Dichloropropene | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | NA | NA | NA | NA |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA |
| 1,2-Dibromoethane | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA |
| 1,2-Dichloroethene (total) | NA | NA | NA | NA |
| 1,2-Dichloropropane | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | NA | NA | NA | NA |
| 1,3-Dichloropropane | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | NA | NA | NA | NA |
| 1,4-Dioxane | NA | NA | NA | NA |
| 2,2-Dichloropropane | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA |
| 2-Chloroethylvinylether | NA | NA | NA | NA |
| 2-Chlorotoluene | NA | NA | NA | NA |
| 2-Hexanone | NA | NA | NA | NA |
| 3-Chloropropene | NA | NA | NA | NA |
| 4-Chlorotoluene | NA | NA | NA | NA |
| 4-Methyl-2-pentanone | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA |
| Acrolein | NA | NA | NA | NA |
| Acrylonitrile | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA |
| Bromobenzene | NA | NA | NA | NA |
| Bromochloromethane | NA | NA | NA | NA |
| Bromodichloromethane | NA | NA | NA | NA |
| Bromoform | NA | NA | NA | NA |
| Bromomethane | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA |
| Carbon Tetrachloride | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | NA | NA |
| Chloroethane | NA | NA | NA | NA |
| Chloroform | NA | NA | NA | NA |
| Chloromethane | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | NA | NA | NA | NA |
| Dibromochloromethane | NA | NA | NA | NA |
| Dibromomethane | NA | NA | NA | NA |
| Ethyl Methacrylate | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA |
| Freon 12 | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA |
| Iodomethane | NA | NA | NA | NA |
| Isobutanol | NA | NA | NA | NA |
| Isopropylbenzene | NA | NA | NA | NA |
| m&p-Xylene | NA | NA | NA | NA |
| Methacrylonitrile | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA |
| n-Butylbenzene | NA | NA | NA | NA |
| n-Propylbenzene | NA | NA | NA | NA |
| o-Xylene | NA | NA | NA | NA |
| p-Isopropyltoluene | NA | NA | NA | NA |
| Propionitrile | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D31 | D33 | D33 | D34 |
| Sample ID: | 2S-BH000668-0-0060 | 2S-BH000669-0-0010 | 2S-BH000669-0-0060 | 2S-BH000592-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/21/02 | 05/21/02 | 05/21/02 | 04/23/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NA | NA | NA | NA |
| Styrene | NA | NA | NA | NA |
| tert-Butylbenzene | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA |
| Tetrahydrofuran | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | NA | NA | NA | NA |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA |
| Trichlorofluoromethane | NA | NA | NA | NA |
| Vinyl Acetate | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA |
| Xylenes (total) | NA | NA | NA | NA |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(61) | ND(11) | ND(12) | ND(11) |
| 1,2-Dichlorobenzene | ND(61) | ND(11) | ND(12) | ND(11) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(61) | ND(11) | ND(12) | ND(11) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(61) | ND(11) | ND(12) | ND(11) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(150) | ND(28) | ND(29) | ND(29) |
| 2,4,6-Trichlorophenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 2,4-Dichlorophenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 2,4-Dimethylphenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 2,4-Dinitrophenol | ND(150) | ND(28) | ND(29) | ND(29) |
| 2,4-Dinitrotoluene | ND(61) | ND(11) | ND(12) | ND(11) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(61) | ND(11) | ND(12) | ND(11) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(61) | ND(11) | ND(12) | ND(11) |
| 2-Chlorophenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 2-Methylnaphthalene | 81 | ND(11) | ND(12) | ND(11) |
| 2-Methylphenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(150) | ND(28) | ND(29) | ND(29) |
| 2-Nitrophenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(61) | ND(11) | ND(12) | ND(11) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(150) | ND(28) | ND(29) | ND(29) |
| 4,6-Dinitro-2-methylphenol | ND(150) | ND(28) | ND(29) | ND(29) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl phenylether | ND(61) | ND(11) | ND(12) | ND(11) |
| 4-Chloro-3-Methylphenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 4-Chloroaniline | ND(61) | ND(11) | ND(12) | ND(11) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl phenylether | ND(61) | ND(11) | ND(12) | ND(11) |
| 4-Methylphenol | ND(61) | ND(11) | ND(12) | ND(11) |
| 4-Nitroaniline | ND(150) | ND(28) | ND(29) | ND(29) |
| 4-Nitrophenol | ND(150) | ND(28) | ND(29) | ND(29) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(61) | ND(11) | ND(12) | ND(11) |
| Acenaphthylene | ND(61) | ND(11) | ND(12) | 1.9 J |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(61) | ND(11) | ND(12) | ND(11) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D31 | D33 | D33 | D34 |
| Sample ID: | 2S-BH000668-0-0060 | 2S-BH000669-0-0010 | 2S-BH000669-0-0060 | 2S-BH000592-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/21/02 | 05/21/02 | 05/21/02 | 04/23/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(61) | 1.4 J | 7.1 J | 2.5 J |
| Benzo(a)pyrene | ND(61) | 1.7 J | 4.9 J | 2.6 J |
| Benzo(b)fluoranthene | ND(61) | 1.7 J | 5.3 J | 3.6 J |
| Benzo(g,h,i)perylene | ND(61) | 1.5 J | 4.5 J | 2.4 J |
| Benzo(k)fluoranthene | ND(61) | 1.1 J | 6.5 J | 3.6 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(61) | ND(11) | ND(12) | ND(11) |
| bis(2-Chloroethyl)ether | ND(61) | ND(11) | ND(12) | ND(11) |
| bis(2-Chloroisopropyl)ether | ND(61) | ND(11) | ND(12) | ND(11) |
| bis(2-Ethylhexyl)adipate | ND(61) J | 2.5 J | 2.0 J | ND(11) |
| bis(2-Ethylhexyl)phthalate | ND(61) | ND(11) | ND(12) | ND(11) |
| Butylbenzylphthalate | ND(61) | ND(11) | ND(12) | ND(11) |
| Carbazole | ND(61) | ND(11) | ND(12) | ND(11) |
| Chrysene | ND(61) | 1.6 J | 8.6 J | 2.7 J |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(61) | ND(11) | ND(12) | ND(11) |
| Dibenzofuran | ND(61) | ND(11) | ND(12) | ND(11) |
| Diethylphthalate | ND(61) | ND(11) | ND(12) | ND(11) |
| Dimethylphthalate | ND(61) | ND(11) | ND(12) | ND(11) |
| Di-n-Butylphthalate | ND(61) | ND(11) | ND(12) | ND(11) |
| Di-n-Octylphthalate | ND(61) | ND(11) | ND(12) | ND(11) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 8.9 J | 2.1 J | 7.2 J | 3.9 J |
| Fluorene | ND(61) | ND(11) | ND(12) | ND(11) |
| Hexachlorobenzene | ND(61) | ND(11) | ND(12) | ND(11) |
| Hexachlorobutadiene | ND(61) | ND(11) | ND(12) | ND(11) |
| Hexachlorocyclopentadiene | ND(61) | ND(11) | ND(12) | ND(11) |
| Hexachloroethane | ND(61) | ND(11) | ND(12) | ND(11) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(61) | 1.2 J | 3.8 J | 3.2 J |
| Isophorone | ND(61) | ND(11) | ND(12) | ND(11) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | 320 | ND(11) | ND(12) | ND(11) |
| Nitrobenzene | ND(61) | ND(11) | ND(12) | ND(11) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(61) | ND(11) | ND(12) | ND(11) |
| N-Nitrosodiphenylamine | ND(61) | ND(11) | ND(12) | ND(11) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(150) | ND(28) | ND(29) | ND(29) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 18 J | 1.2 J | 3.7 J | 1.8 J |
| Phenol | ND(61) | 1.2 J | ND(12) | ND(11) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 17 J | 2.9 J | 10 J | 4.5 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D31 | D33 | D33 | D34 |
| Sample ID: | 2S-BH000668-0-0060 | 2S-BH000669-0-0010 | 2S-BH000669-0-0060 | 2S-BH000592-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/21/02 | 05/21/02 | 05/21/02 | 04/23/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | 0.000039 |
| TCDFs (total) | NS | NS | NS | 0.00027 J |
| 1,2,3,7,8-PeCDF | NS | NS | NS | 0.000015 J |
| 2,3,4,7,8-PeCDF | NS | NS | NS | 0.000042 |
| PeCDFs (total) | NS | NS | NS | 0.00045 J |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | 0.000034 |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | 0.000020 J |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | 0.0000084 |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | 0.000045 |
| HxCDFs (total) | NS | NS | NS | 0.00069 |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | 0.00033 |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | 0.000013 J |
| HpCDFs (total) | NS | NS | NS | 0.00061 |
| OCDF | NS | NS | NS | 0.00020 |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | 0.0000017 |
| TCDDs (total) | NS | NS | NS | 0.0000029 J |
| 1,2,3,7,8-PeCDD | NS | NS | NS | 0.0000036 |
| PeCDDs (total) | NS | NS | NS | 0.0000004 J |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | 0.0000018 J |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | 0.0000059 J |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | 0.0000036 J |
| HxCDDs (total) | NS | NS | NS | 0.000051 |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | 0.000075 |
| HpCDDs (total) | NS | NS | NS | 0.00014 |
| OCDD | NS | NS | NS | 0.00062 |
| Total TEQs (WHO TEFs) | NS | NS | NS | 0.000047 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | D31 | D33 | D33 | D34 |
| | Sample ID: | 2S-BH000668-0-0060 | 2S-BH000669-0-0010 | 2S-BH000669-0-0060 | 2S-BH000592-0-0000 |
| | Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| | Date Collected: | 05/21/02 | 05/21/02 | 05/21/02 | 04/23/02 |
| **Inorganics** | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | 1.50 | 102 | ND(0.460) | 13.1 |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | ND(9.40) | ND(6.40) | ND(9.00) | ND(9.00) J |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D34 | D35 | D36 | D36 |
| Sample ID: | 2S-BH000592-0-0060 | 2S-BH000625-0-0060 | 2S-BH000610-0-0010 | 2S-BH000610-0-0010 |
| Sample Depth(Feet): | 6-15 | 6-15 | 1-4 | 1-6 |
| Parameter Date Collected: | 04/23/02 | 05/17/02 | 05/15/02 | 05/15/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,1,1-Trichloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,1,2,2-Tetrachloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,1,2-Trichloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,1-Dichloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,1-Dichloroethene | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,1-Dichloropropene | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2,3-Trichlorobenzene | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2,3-Trichloropropane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2,4-Trichlorobenzene | NS | 0.0020 J | ND(0.011) J | NS |
| 1,2,4-Trimethylbenzene | NS | 0.065 J | 0.0020 J | NS |
| 1,2-Dibromo-3-chloropropane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2-Dibromoethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2-Dichlorobenzene | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2-Dichloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2-Dichloroethene (total) | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,2-Dichloropropane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,3,5-Trimethylbenzene | NS | ND(0.010) J | 0.043 J | NS |
| 1,3-Dichlorobenzene | NS | 0.010 J | ND(0.011) J | NS |
| 1,3-Dichloropropane | NS | ND(0.010) J | ND(0.011) J | NS |
| 1,4-Dichlorobenzene | NS | 0.022 J | ND(0.011) J | NS |
| 1,4-Dioxane | NS | R | R | NS |
| 2,2-Dichloropropane | NS | ND(0.010) J | ND(0.011) J | NS |
| 2-Butanone | NS | 0.0020 J | ND(0.012) J | NS |
| 2-Chloro-1,3-butadiene | NS | NA | NA | NS |
| 2-Chloroethylvinylether | NS | NA | NA | NS |
| 2-Chlorotoluene | NS | ND(0.010) J | ND(0.011) J | NS |
| 2-Hexanone | NS | ND(0.010) J | ND(0.011) J | NS |
| 3-Chloropropene | NS | NA | NA | NS |
| 4-Chlorotoluene | NS | ND(0.010) J | ND(0.011) J | NS |
| 4-Methyl-2-pentanone | NS | ND(0.010) J | ND(0.011) J | NS |
| Acetone | NS | ND(0.011) J | 0.11 J | NS |
| Acrolein | NS | NA | NA | NS |
| Acrylonitrile | NS | NA | NA | NS |
| Benzene | NS | ND(0.010) J | 0.0040 J | NS |
| Bromobenzene | NS | ND(0.010) J | ND(0.011) J | NS |
| Bromochloromethane | NS | ND(0.010) J | ND(0.011) J | NS |
| Bromodichloromethane | NS | ND(0.010) J | ND(0.011) J | NS |
| Bromoform | NS | ND(0.010) J | ND(0.011) J | NS |
| Bromomethane | NS | ND(0.010) J | ND(0.011) J | NS |
| Carbon Disulfide | NS | ND(0.010) J | 0.0050 J | NS |
| Carbon Tetrachloride | NS | ND(0.010) J | ND(0.011) J | NS |
| Chlorobenzene | NS | 0.18 J | 0.029 J | NS |
| Chloroethane | NS | ND(0.010) J | ND(0.011) J | NS |
| Chloroform | NS | ND(0.010) J | ND(0.011) J | NS |
| Chloromethane | NS | ND(0.010) J | ND(0.011) J | NS |
| cis-1,2-Dichloroethene | NS | ND(0.010) J | ND(0.011) J | NS |
| cis-1,3-Dichloropropene | NS | ND(0.010) J | ND(0.011) J | NS |
| Dibromochloromethane | NS | ND(0.010) J | ND(0.011) J | NS |
| Dibromomethane | NS | ND(0.010) J | ND(0.011) J | NS |
| Ethyl Methacrylate | NS | NA | NA | NS |
| Ethylbenzene | NS | 0.029 J | 0.39 J | NS |
| Freon 12 | NS | ND(0.010) J | ND(0.011) J | NS |
| Hexachlorobutadiene | NS | ND(0.010) J | ND(0.011) J | NS |
| Iodomethane | NS | NA | NA | NS |
| Isobutanol | NS | NA | NA | NS |
| Isopropylbenzene | NS | 0.0060 J | 0.019 J | NS |
| m&p-Xylene | NS | 0.0070 J | 0.0030 J | NS |
| Methacrylonitrile | NS | NA | NA | NS |
| Methyl Methacrylate | NS | NA | NA | NS |
| Methylene Chloride | NS | ND(0.010) J | ND(0.038) J | NS |
| Naphthalene | NS | 0.068 J | ND(0.011) J | NS |
| n-Butylbenzene | NS | ND(0.010) J | ND(0.011) J | NS |
| n-Propylbenzene | NS | ND(0.010) J | 0.0020 J | NS |
| o-Xylene | NS | ND(0.0090) J | 0.0060 J | NS |
| p-Isopropyltoluene | NS | ND(0.010) J | 0.0030 J | NS |
| Propionitrile | NS | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D34 | D35 | D36 | D36 |
| Sample ID: | 2S-BH000592-0-0060 | 2S-BH000625-0-0060 | 2S-BH000610-0-0010 | 2S-BH000610-0-0010 |
| Sample Depth(Feet): | 6-15 | 6-15 | 1-4 | 1-6 |
| Parameter Date Collected: | 04/23/02 | 05/17/02 | 05/15/02 | 05/15/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | ND(0.010) J | ND(0.011) J | NS |
| Styrene | NS | ND(0.010) J | ND(0.012) J | NS |
| tert-Butylbenzene | NS | ND(0.010) J | ND(0.011) J | NS |
| Tetrachloroethene | NS | ND(0.010) J | ND(0.011) J | NS |
| Tetrahydrofuran | NS | R | R | NS |
| Toluene | NS | ND(0.010) J | 0.0060 J | NS |
| trans-1,2-Dichloroethene | NS | ND(0.010) J | ND(0.011) J | NS |
| trans-1,3-Dichloropropene | NS | ND(0.010) J | ND(0.011) J | NS |
| trans-1,4-Dichloro-2-butene | NS | NA | NA | NS |
| Trichloroethene | NS | ND(0.010) J | ND(0.011) J | NS |
| Trichlorofluoromethane | NS | 0.0040 J | 0.040 J | NS |
| Vinyl Acetate | NS | NA | NA | NS |
| Vinyl Chloride | NS | ND(0.010) J | ND(0.011) J | NS |
| Xylenes (total) | NS | 0.016 J | 0.010 J | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NS | NA | NA | NS |
| 1,2,4-Trichlorobenzene | NS | ND(10) | ND(12) | NS |
| 1,2-Dichlorobenzene | NS | ND(10) | ND(12) | NS |
| 1,3,5-Trinitrobenzene | NS | NA | NA | NS |
| 1,3-Dichlorobenzene | NS | ND(10) | ND(12) | NS |
| 1,3-Dinitrobenzene | NS | NA | NA | NS |
| 1,4-Dichlorobenzene | NS | ND(10) | ND(12) | NS |
| 1,4-Naphthoquinone | NS | NA | NA | NS |
| 1-Naphthylamine | NS | NA | NA | NS |
| 2,3,4,6-Tetrachlorophenol | NS | NA | NA | NS |
| 2,4,5-Trichlorophenol | NS | ND(26) | ND(31) | NS |
| 2,4,6-Trichlorophenol | NS | ND(10) | ND(12) | NS |
| 2,4-Dichlorophenol | NS | ND(10) | ND(12) | NS |
| 2,4-Dimethylphenol | NS | ND(10) | ND(12) | NS |
| 2,4-Dinitrophenol | NS | ND(26) | ND(31) | NS |
| 2,4-Dinitrotoluene | NS | ND(10) | ND(12) | NS |
| 2,6-Dichlorophenol | NS | NA | NA | NS |
| 2,6-Dinitrotoluene | NS | ND(10) | ND(12) | NS |
| 2-Acetylaminofluorene | NS | NA | NA | NS |
| 2-Chloronaphthalene | NS | ND(10) | ND(12) | NS |
| 2-Chlorophenol | NS | ND(10) | ND(12) | NS |
| 2-Methylnaphthalene | NS | ND(10) | 1.4 J | NS |
| 2-Methylphenol | NS | ND(10) | ND(12) | NS |
| 2-Naphthylamine | NS | NA | NA | NS |
| 2-Nitroaniline | NS | ND(26) | ND(31) | NS |
| 2-Nitrophenol | NS | ND(10) | ND(12) | NS |
| 2-Picoline | NS | NA | NA | NS |
| 3,3'-Dichlorobenzidine | NS | ND(10) | ND(12) | NS |
| 3,3'-Dimethylbenzidine | NS | NA | NA | NS |
| 3-Methylcholanthrene | NS | NA | NA | NS |
| 3-Nitroaniline | NS | ND(26) | ND(31) | NS |
| 4,6-Dinitro-2-methylphenol | NS | ND(26) | ND(31) | NS |
| 4-Aminobiphenyl | NS | NA | NA | NS |
| 4-Bromophenyl-phenylether | NS | ND(10) | ND(12) | NS |
| 4-Chloro-3-Methylphenol | NS | ND(10) | ND(12) | NS |
| 4-Chloroaniline | NS | ND(10) | ND(12) | NS |
| 4-Chlorobenzilate | NS | NA | NA | NS |
| 4-Chlorophenyl-phenylether | NS | ND(10) | ND(12) | NS |
| 4-Methylphenol | NS | ND(10) | ND(12) | NS |
| 4-Nitroaniline | NS | ND(26) | ND(31) | NS |
| 4-Nitrophenol | NS | ND(26) | ND(31) | NS |
| 4-Nitroquinoline-1-oxide | NS | NA | NA | NS |
| 4-Phenylenediamine | NS | NA | NA | NS |
| 5-Nitro-o-toluidine | NS | NA | NA | NS |
| 7,12-Dimethylbenz(a)anthracene | NS | NA | NA | NS |
| a,a'-Dimethylphenethylamine | NS | NA | NA | NS |
| Acenaphthene | NS | ND(10) | 2.2 J | NS |
| Acenaphthylene | NS | ND(10) | 4.3 J | NS |
| Acetophenone | NS | NA | NA | NS |
| Aniline | NS | NA | NA | NS |
| Anthracene | NS | ND(10) | 5.0 J | NS |
| Aramite | NS | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D34 | D35 | D36 | D36 |
| Sample ID: | 2S-BH000592-0-0060 | 2S-BH000625-0-0060 | 2S-BH000610-0-0010 | 2S-BH000610-0-0010 |
| Sample Depth(Feet): | 6-15 | 6-15 | 1-4 | 1-6 |
| Parameter Date Collected: | 04/23/02 | 05/17/02 | 05/15/02 | 05/15/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NS | NA | NA | NS |
| Benzo(a)anthracene | NS | ND(10) | 11 J | NS |
| Benzo(a)pyrene | NS | ND(10) | 8.4 J | NS |
| Benzo(b)fluoranthene | NS | ND(10) | 9.7 J | NS |
| Benzo(g,h,i)perylene | NS | ND(10) | 5.8 J | NS |
| Benzo(k)fluoranthene | NS | ND(10) | 9.0 J | NS |
| Benzyl Alcohol | NS | NA | NA | NS |
| bis(2-Chloroethoxy)methane | NS | ND(10) | ND(12) | NS |
| bis(2-Chloroethyl)ether | NS | ND(10) | ND(12) | NS |
| bis(2-Chloroisopropyl)ether | NS | ND(10) | ND(12) | NS |
| bis(2-Ethylhexyl)adipate | NS | 2.7 J | 1.5 J | NS |
| bis(2-Ethylhexyl)phthalate | NS | ND(10) | ND(12) | NS |
| Butylbenzylphthalate | NS | ND(10) | ND(12) | NS |
| Carbazole | NS | ND(10) | ND(12) | NS |
| Chrysene | NS | ND(10) | 12 J | NS |
| Diallate | NS | NA | NA | NS |
| Dibenzo(a,h)anthracene | NS | ND(10) | 3.1 J | NS |
| Dibenzofuran | NS | ND(10) | ND(12) | NS |
| Diethylphthalate | NS | ND(10) | ND(12) | NS |
| Dimethylphthalate | NS | ND(10) | ND(12) | NS |
| Di-n-Butylphthalate | NS | ND(10) | ND(12) | NS |
| Di-n-Octylphthalate | NS | ND(10) | ND(12) | NS |
| Ethyl Methanesulfonate | NS | NA | NA | NS |
| Fluoranthene | NS | ND(10) | 20 | NS |
| Fluorene | NS | ND(10) | 3.9 J | NS |
| Hexachlorobenzene | NS | ND(10) | ND(12) | NS |
| Hexachlorobutadiene | NS | ND(10) | ND(12) | NS |
| Hexachlorocyclopentadiene | NS | ND(10) | ND(12) | NS |
| Hexachloroethane | NS | ND(10) | ND(12) | NS |
| Hexachloropropene | NS | NA | NA | NS |
| Indeno(1,2,3-cd)pyrene | NS | ND(10) | 5.7 J | NS |
| Isophorone | NS | ND(10) | ND(12) | NS |
| Isosafrole | NS | NA | NA | NS |
| Methapyrilene | NS | NA | NA | NS |
| Methyl Methanesulfonate | NS | NA | NA | NS |
| Naphthalene | NS | ND(10) | 2.9 J | NS |
| Nitrobenzene | NS | ND(10) | ND(12) | NS |
| N-Nitrosodiethylamine | NS | NA | NA | NS |
| N-Nitrosodimethylamine | NS | NA | NA | NS |
| N-Nitroso-di-n-butylamine | NS | NA | NA | NS |
| N-Nitroso-di-n-propylamine | NS | ND(10) | ND(12) | NS |
| N-Nitrosodiphenylamine | NS | ND(10) | ND(12) | NS |
| N-Nitrosomethylethylamine | NS | NA | NA | NS |
| N-Nitrosomorpholine | NS | NA | NA | NS |
| N-Nitrosopiperidine | NS | NA | NA | NS |
| N-Nitrosopyrrolidine | NS | NA | NA | NS |
| o,o,o-Triethylphosphorothioate | NS | NA | NA | NS |
| o-Toluidine | NS | NA | NA | NS |
| p-Dimethylaminoazobenzene | NS | NA | NA | NS |
| Pentachlorobenzene | NS | NA | NA | NS |
| Pentachloroethane | NS | NA | NA | NS |
| Pentachloronitrobenzene | NS | NA | NA | NS |
| Pentachlorophenol | NS | ND(26) | ND(31) | NS |
| Phenacetin | NS | NA | NA | NS |
| Phenanthrene | NS | ND(10) | 22 | NS |
| Phenol | NS | ND(10) | ND(12) | NS |
| Pronamide | NS | NA | NA | NS |
| Pyrene | NS | ND(10) | 23 | NS |
| Pyridine | NS | NA | NA | NS |
| Safrole | NS | NA | NA | NS |
| Thionazin | NS | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D34 | D35 | D36 | D36 |
| Sample ID: | 2S-BH000592-0-0060 | 2S-BH000625-0-0060 | 2S-BH000610-0-0010 | 2S-BH000610-0-0010 |
| Sample Depth(Feet): | 6-15 | 6-15 | 1-4 | 1-6 |
| Parameter Date Collected: | 04/23/02 | 05/17/02 | 05/15/02 | 05/15/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | 0.000046 | NS | NS | NS |
| TCDFs (total) | 0.00039 J | NS | NS | NS |
| 1,2,3,7,8-PeCDF | 0.000012 J | NS | NS | NS |
| 2,3,4,7,8-PeCDF | 0.00011 | NS | NS | NS |
| PeCDFs (total) | 0.0015 J | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | 0.000022 J | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | 0.000041 | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | 0.000011 J | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | 0.00015 | NS | NS | NS |
| HxCDFs (total) | 0.0022 | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | 0.00013 | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | 0.000011 J | NS | NS | NS |
| HpCDFs (total) | 0.00036 | NS | NS | NS |
| OCDF | 0.000041 J | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | 0.0000016 | NS | NS | NS |
| TCDDs (total) | 0.0000036 | NS | NS | NS |
| 1,2,3,7,8-PeCDD | 0.0000021 J | NS | NS | NS |
| PeCDDs (total) | 0.000014 J | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | 0.0000017 J | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | 0.0000030 J | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | 0.0000016 J | NS | NS | NS |
| HxCDDs (total) | 0.0000047 J | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | 0.000022 J | NS | NS | NS |
| HpCDDs (total) | 0.000040 | NS | NS | NS |
| OCDD | 0.000081 | NS | NS | NS |
| Total TEQs (WHO TEFs) | 0.000087 | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | D34 | D35 | D36 | D36 |
| | Sample ID: | 2S-BH000592-0-0060 | 2S-BH000625-0-0060 | 2S-BH000610-0-0010 | 2S-BH000610-0-0010 |
| | Sample Depth(Feet): | 6-15 | 6-15 | 1-4 | 1-6 |
| | Date Collected: | 04/23/02 | 05/17/02 | 05/15/02 | 05/15/02 |
| Inorganics | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | 29.7 | 1.20 J | NS | 17.2 J |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | ND(9.30) J | R | NS | 66.4 J |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D36 | E29 | E29 | E31 |
| Sample ID: | 2S-BH000610-0-0060 | 2S-BH000666-0-0010 | 2S-BH000666-0-0060 | 2S-BH000600-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/15/02 | 05/21/02 | 05/21/02 | 04/24/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,1,1-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,1,2-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,1-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,1-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,1-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2,3-Trichlorobenzene | ND(0.010) J | 0.0020 J | ND(0.012) J | NA |
| 1,2,3-Trichloropropane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2,4-Trichlorobenzene | ND(0.010) J | 0.024 J | 0.0060 J | NA |
| 1,2,4-Trimethylbenzene | 0.0080 J | 0.34 J | 0.12 J | NA |
| 1,2-Dibromo-3-chloropropane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2-Dibromoethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2-Dichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2-Dichloroethene (total) | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,3,5-Trimethylbenzene | ND(0.010) J | 0.20 J | 0.033 J | NA |
| 1,3-Dichlorobenzene | 0.034 J | 0.012 J | 0.020 J | NA |
| 1,3-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 1,4-Dichlorobenzene | 0.076 J | 0.052 J | 0.056 J | NA |
| 1,4-Dioxane | R | R | R | NA |
| 2,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 2-Butanone | 0.0080 J | 0.095 J | 0.025 J | NA |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NA |
| 2-Chloroethylvinylether | NA | NA | NA | NA |
| 2-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 2-Hexanone | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 3-Chloropropene | NA | NA | NA | NA |
| 4-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| 4-Methyl-2-pentanone | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Acetone | 0.051 J | 0.35 J | 0.10 J | NA |
| Acrolein | NA | NA | NA | NA |
| Acrylonitrile | NA | NA | NA | NA |
| Benzene | 0.038 J | 0.22 J | 0.26 J | NA |
| Bromobenzene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Bromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Bromodichloromethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Bromoform | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Bromomethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Carbon Disulfide | 0.0030 J | 0.0070 J | 0.0020 J | NA |
| Carbon Tetrachloride | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Chlorobenzene | 0.79 J | 0.065 J | 0.52 J | NA |
| Chloroethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Chloroform | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Chloromethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| cis-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| cis-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Dibromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Dibromomethane | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Ethyl Methacrylate | NA | NA | NA | NA |
| Ethylbenzene | 0.052 J | 0.46 J | 0.28 J | NA |
| Freon 12 | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Hexachlorobutadiene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Iodomethane | NA | NA | NA | NA |
| Isobutanol | NA | NA | NA | NA |
| Isopropylbenzene | 0.010 J | 0.17 J | 0.030 J | NA |
| m&p Xylene | 0.0040 J | 0.87 J | 0.24 J | NA |
| Methacrylonitrile | NA | NA | NA | NA |
| Methyl Methacrylate | NA | NA | NA | NA |
| Methylene Chloride | ND(0.016) J | ND(0.010) J | ND(0.012) J | NA |
| Naphthalene | NA | 0.24 J | 0.17 J | NA |
| n-Butylbenzene | ND(0.010) J | 0.010 J | ND(0.012) J | NA |
| n-Propylbenzene | ND(0.010) J | ND(0.032) J | 0.011 J | NA |
| o-Xylene | 0.0070 J | 0.70 J | 0.15 J | NA |
| p-Isopropyltoluene | ND(0.010) J | 0.032 J | 0.0070 J | NA |
| Propionitrile | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D36 | E29 | E29 | E31 |
| Sample ID: | 2S-BH000610-0-0060 | 2S-BH000666-0-0010 | 2S-BH000666-0-0060 | 2S-BH000600-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/15/02 | 05/21/02 | 05/21/02 | 04/24/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Styrene | ND(0.010) J | 0.043 J | 0.0070 J | NA |
| tert-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Tetrachloroethene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Tetrahydrofuran | R | R | R | NA |
| Toluene | 0.0020 J | 0.65 J | 0.15 J | NA |
| trans-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| trans-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NA |
| Trichloroethene | ND(0.010) J | 0.0040 J | ND(0.012) J | NA |
| Trichlorofluoromethane | 0.014 J | 0.0020 J | 0.0020 J | NA |
| Vinyl Acetate | NA | NA | NA | NA |
| Vinyl Chloride | ND(0.010) J | ND(0.010) J | ND(0.012) J | NA |
| Xylenes (total) | 0.010 J | 1.6 J | 0.39 J | NA |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(110) | ND(100) | ND(140) | ND(10) |
| 1,2-Dichlorobenzene | ND(110) | ND(100) | ND(140) | ND(10) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(110) | ND(100) | ND(140) | ND(10) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(110) | ND(100) | ND(140) | ND(10) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(290) | ND(260) | ND(360) | ND(26) |
| 2,4,6-Trichlorophenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 2,4-Dichlorophenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 2,4-Dimethylphenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 2,4-Dinitrophenol | ND(290) | ND(260) | ND(360) | ND(26) |
| 2,4-Dinitrotoluene | ND(110) | ND(100) | ND(140) | ND(10) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(110) | ND(100) | ND(140) | ND(10) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(110) | ND(100) | ND(140) | ND(10) |
| 2-Chlorophenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 2-Methylnaphthalene | ND(110) | 220 | 38 J | ND(10) |
| 2-Methylphenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(290) | ND(260) | ND(360) | ND(26) |
| 2-Nitrophenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(110) | ND(100) | ND(140) | ND(10) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(290) | ND(260) | ND(360) | ND(26) |
| 4,6-Dinitro-2-methylphenol | ND(290) | ND(260) | ND(360) | ND(26) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(110) | ND(100) | ND(140) | ND(10) |
| 4-Chloro-3-Methylphenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 4-Chloroaniline | ND(110) | ND(100) | ND(140) | ND(10) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(110) | ND(100) | ND(140) | ND(10) |
| 4-Methylphenol | ND(110) | ND(100) | ND(140) | ND(10) |
| 4-Nitroaniline | ND(290) | ND(260) | ND(360) | ND(26) |
| 4-Nitrophenol | ND(290) | ND(260) | ND(360) | ND(26) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(110) | 93 J | 34 J | ND(10) |
| Acenaphthylene | ND(110) | 23 J | 19 J | 1.9 J |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(110) | 59 J | 32 J | ND(10) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D36 | E29 | E29 | E31 |
| Sample ID: | 2S-BH000610-0-0060 | 2S-BH000666-0-0010 | 2S-BH000666-0-0060 | 2S-BH000600-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/15/02 | 05/21/02 | 05/21/02 | 04/24/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(110) | 47 J | 34 J | 3.3 J |
| Benzo(a)pyrene | ND(110) | 37 J | 30 J | 4.1 J |
| Benzo(b)fluoranthene | ND(110) | 20 J | 17 J | 2.7 J |
| Benzo(g,h,i)perylene | ND(110) | 15 J | ND(140) | ND(10) |
| Benzo(k)fluoranthene | ND(110) | 27 J | 20 J | 4.3 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(110) | ND(100) | ND(140) | ND(10) |
| bis(2-Chloroethyl)ether | ND(110) | ND(100) | ND(140) | ND(10) |
| bis(2-Chloroisopropyl)ether | ND(110) | ND(100) | ND(140) | ND(10) |
| bis(2-Ethylhexyl)adipate | ND(110) | ND(100) J | ND(140) J | ND(10) |
| bis(2-Ethylhexyl)phthalate | ND(110) | ND(100) | ND(140) | ND(10) |
| Butylbenzylphthalate | ND(110) | ND(100) | ND(140) | ND(10) |
| Carbazole | ND(110) | ND(100) | ND(140) | ND(10) |
| Chrysene | ND(110) | 49 J | 35 J | 4.1 J |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(110) | ND(100) | ND(140) | 1.4 J |
| Dibenzofuran | ND(110) | ND(100) | ND(140) | ND(10) |
| Diethylphthalate | ND(110) | ND(100) | ND(140) | ND(10) |
| Dimethylphthalate | ND(110) | ND(100) | ND(140) | ND(10) |
| Di-n-Butylphthalate | ND(110) | ND(100) | ND(140) | ND(10) |
| Di-n-Octylphthalate | ND(110) | ND(100) | ND(140) | ND(10) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | ND(110) | 89 J | 58 J | 3.5 J |
| Fluorene | ND(110) | 78 J | 34 J | ND(10) |
| Hexachlorobenzene | ND(110) | ND(100) | ND(140) | ND(10) |
| Hexachlorobutadiene | ND(110) | ND(100) | ND(140) | ND(10) |
| Hexachlorocyclopentadiene | ND(110) | ND(100) | ND(140) | ND(10) |
| Hexachloroethane | ND(110) | ND(100) | ND(140) | ND(10) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(110) | 15 J | ND(140) | 3.2 J |
| Isophorone | ND(110) | ND(100) | ND(140) | ND(10) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | ND(110) | 420 | 82 J | ND(10) |
| Nitrobenzene | ND(110) | ND(100) | ND(140) | ND(10) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(110) | ND(100) | ND(140) | ND(10) |
| N-Nitrosodiphenylamine | ND(110) | ND(100) | ND(140) | ND(10) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(290) | ND(260) | ND(360) | ND(26) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | ND(110) | 210 | 120 J | 1.7 J |
| Phenol | ND(110) | ND(100) | ND(140) | ND(10) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | ND(110) | 130 | 89 J | 6.6 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | D36 | E29 | E29 | E31 |
| Sample ID: | 2S-BH000810-0-0060 | 2S-BH000666-0-0010 | 2S-BH000666-0-0060 | 2S-BH000600-0-0000 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/15/02 | 05/21/02 | 05/21/02 | 04/24/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | D36 | E29 | E29 | E31 |
| | Sample ID: | 2S-BH000610-0-0060 | 2S-BH000666-0-0010 | 2S-BH000666-0-0060 | 2S-BH000600-0-0000 |
| | Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 0-1 |
| | Date Collected: | 05/15/02 | 05/21/02 | 05/21/02 | 04/24/02 |
| Inorganics | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | 3.80 J | 10.7 | 7.80 | 4.50 |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | R | 15.8 | 162 | R |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | E31 | E35 | E36 | F23 |
| Sample ID: | 2S-BH000600-0-0010 | 2S-BH000627-0-0060 | 2S-BH000593-0-0000 | 2S-BH000597-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 0-1 |
| Parameter Date Collected: | 04/24/02 | 05/17/02 | 04/23/02 | 04/24/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NA | ND(0.010) J | NA | NS |
| 1,1,1-Trichloroethane | NA | ND(0.010) J | NA | NS |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.010) J | NA | NS |
| 1,1,2-Trichloroethane | NA | ND(0.010) J | NA | NS |
| 1,1-Dichloroethane | NA | ND(0.010) J | NA | NS |
| 1,1-Dichloroethene | NA | ND(0.010) J | NA | NS |
| 1,1-Dichloropropene | NA | ND(0.010) J | NA | NS |
| 1,2,3-Trichlorobenzene | NA | ND(0.010) J | NA | NS |
| 1,2,3-Trichloropropane | NA | ND(0.010) J | NA | NS |
| 1,2,4-Trichlorobenzene | NA | ND(0.010) J | NA | NS |
| 1,2,4-Trimethylbenzene | NA | ND(0.010) J | NA | NS |
| 1,2-Dibromo-3-chloropropane | NA | ND(0.010) J | NA | NS |
| 1,2-Dibromoethane | NA | ND(0.010) J | NA | NS |
| 1,2-Dichlorobenzene | NA | ND(0.010) J | NA | NS |
| 1,2-Dichloroethane | NA | ND(0.010) J | NA | NS |
| 1,2-Dichloroethene (total) | NA | ND(0.010) J | NA | NS |
| 1,2-Dichloropropane | NA | ND(0.010) J | NA | NS |
| 1,3,5-Trimethylbenzene | NA | ND(0.010) J | NA | NS |
| 1,3-Dichlorobenzene | NA | ND(0.010) J | NA | NS |
| 1,3-Dichloropropane | NA | ND(0.010) J | NA | NS |
| 1,4-Dichlorobenzene | NA | 0.0020 J | NA | NS |
| 1,4-Dioxane | NA | R | NA | NS |
| 2,2-Dichloropropane | NA | ND(0.010) J | NA | NS |
| 2-Butanone | NA | 0.0040 J | NA | NS |
| 2-Chloro-1,3 butadiene | NA | NA | NA | NS |
| 2-Chloroethylvinylether | NA | NA | NA | NS |
| 2-Chlorotoluene | NA | ND(0.010) J | NA | NS |
| 2-Hexanone | NA | ND(0.010) J | NA | NS |
| 3-Chloropropene | NA | NA | NA | NS |
| 4-Chlorotoluene | NA | ND(0.010) J | NA | NS |
| 4-Methyl-2-pentanone | NA | ND(0.010) J | NA | NS |
| Acetone | NA | 0.021 J | NA | NS |
| Acrolein | NA | NA | NA | NS |
| Acrylonitrile | NA | NA | NA | NS |
| Benzene | NA | ND(0.010) J | NA | NS |
| Bromobenzene | NA | ND(0.010) J | NA | NS |
| Bromochloromethane | NA | ND(0.010) J | NA | NS |
| Bromodichloromethane | NA | ND(0.010) J | NA | NS |
| Bromoform | NA | ND(0.010) J | NA | NS |
| Bromomethane | NA | ND(0.010) J | NA | NS |
| Carbon Disulfide | NA | ND(0.010) J | NA | NS |
| Carbon Tetrachloride | NA | ND(0.010) J | NA | NS |
| Chlorobenzene | NA | 0.0020 J | NA | NS |
| Chloroethane | NA | ND(0.010) J | NA | NS |
| Chloroform | NA | ND(0.010) J | NA | NS |
| Chloromethane | NA | ND(0.010) J | NA | NS |
| cis-1,2-Dichloroethene | NA | ND(0.010) J | NA | NS |
| cis-1,3-Dichloropropene | NA | ND(0.010) J | NA | NS |
| Dibromochloromethane | NA | ND(0.010) J | NA | NS |
| Dibromomethane | NA | ND(0.010) J | NA | NS |
| Ethyl Methacrylate | NA | NA | NA | NS |
| Ethylbenzene | NA | ND(0.010) J | NA | NS |
| Freon 12 | NA | ND(0.010) J | NA | NS |
| Hexachlorobutadiene | NA | ND(0.010) J | NA | NS |
| Iodomethane | NA | NA | NA | NS |
| Isobutanol | NA | NA | NA | NS |
| Isopropylbenzene | NA | ND(0.010) J | NA | NS |
| m&p-Xylene | NA | ND(0.010) J | NA | NS |
| Methacrylonitrile | NA | NA | NA | NS |
| Methyl Methacrylate | NA | NA | NA | NS |
| Methylene Chloride | NA | ND(0.010) J | NA | NS |
| Naphthalene | NA | ND(0.010) J | NA | NS |
| n-Butylbenzene | NA | ND(0.010) J | NA | NS |
| n-Propylbenzene | NA | ND(0.010) J | NA | NS |
| o-Xylene | NA | ND(0.010) J | NA | NS |
| p-Isopropyltoluene | NA | ND(0.010) J | NA | NS |
| Propionitrile | NA | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | E31 | E35 | E36 | F23 |
| Sample ID: | 2S-BH000600-0-0010 | 2S-BH000627-0-0060 | 2S-BH000593-0-0000 | 2S-BH000597-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 0-1 |
| Parameter Date Collected: | 04/24/02 | 05/17/02 | 04/23/02 | 04/24/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NA | ND(0.010) J | NA | NS |
| Styrene | NA | ND(0.010) J | NA | NS |
| tert-Butylbenzene | NA | ND(0.010) J | NA | NS |
| Tetrachloroethene | NA | ND(0.010) J | NA | NS |
| Tetrahydrofuran | NA | R | NA | NS |
| Toluene | NA | ND(0.010) J | NA | NS |
| trans-1,2-Dichloroethene | NA | ND(0.010) J | NA | NS |
| trans-1,3-Dichloropropene | NA | ND(0.010) J | NA | NS |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NS |
| Trichloroethene | NA | ND(0.010) J | NA | NS |
| Trichlorofluoromethane | NA | 0.0050 J | NA | NS |
| Vinyl Acetate | NA | NA | NA | NS |
| Vinyl Chloride | NA | ND(0.010) J | NA | NS |
| Xylenes (total) | NA | ND(0.010) J | NA | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | NA | ND(4.1) | ND(11) | R |
| 1,2-Dichlorobenzene | NA | ND(4.1) | ND(11) | R |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | NA | ND(4.1) | ND(11) | R |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | NA | ND(4.1) | ND(11) | R |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | ND(10) | ND(27) | R |
| 2,4,6-Trichlorophenol | NA | ND(4.1) | ND(11) | R |
| 2,4-Dichlorophenol | NA | ND(4.1) | ND(11) | R |
| 2,4-Dimethylphenol | NA | ND(4.1) | ND(11) | R |
| 2,4-Dinitrophenol | NA | ND(10) | ND(27) | R |
| 2,4-Dinitrotoluene | NA | ND(4.1) | ND(11) | R |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | ND(4.1) | ND(11) | R |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | ND(4.1) | ND(11) | R |
| 2-Chlorophenol | NA | ND(4.1) | ND(11) | R |
| 2-Methylnaphthalene | NA | ND(4.1) | ND(11) | R |
| 2-Methylphenol | NA | ND(4.1) | ND(11) | R |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | NA | ND(10) | ND(27) | R |
| 2-Nitrophenol | NA | ND(4.1) | ND(11) | R |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | ND(4.1) | ND(11) | R |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | NA | ND(10) | ND(27) | R |
| 4,6-Dinitro-2-methylphenol | NA | ND(10) | ND(27) | R |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | NA | ND(4.1) | ND(11) | R |
| 4-Chloro-3-Methylphenol | NA | ND(4.1) | ND(11) | R |
| 4-Chloroaniline | NA | ND(4.1) | ND(11) | R |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | NA | ND(4.1) | ND(11) | R |
| 4-Methylphenol | NA | ND(4.1) | ND(11) | R |
| 4-Nitroaniline | NA | ND(10) | ND(27) | R |
| 4-Nitrophenol | NA | ND(10) | ND(27) | R |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | NA | ND(4.1) | ND(11) | R |
| Acenaphthylene | NA | ND(4.1) | ND(11) | R |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | NA | ND(4.1) | ND(11) | R |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | E31 | E35 | E36 | F23 |
| Sample ID: | 2S-BH000600-0-0010 | 2S-BH000627-0-0060 | 2S-BH000593-0-0000 | 2S-BH000597-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 0-1 |
| Parameter Date Collected: | 04/24/02 | 05/17/02 | 04/23/02 | 04/24/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | 0.77 J | 2.0 J | R |
| Benzo(a)pyrene | NA | 0.72 J | 2.1 J | R |
| Benzo(b)fluoranthene | NA | 0.55 J | 1.6 J | R |
| Benzo(g,h,i)perylene | NA | 0.42 J | 1.4 J | R |
| Benzo(k)fluoranthene | NA | 0.57 J | 2.2 J | R |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | ND(4.1) | ND(11) | R |
| bis(2-Chloroethyl)ether | NA | ND(4.1) | ND(11) | R |
| bis(2-Chloroisopropyl)ether | NA | ND(4.1) | ND(11) | R |
| bis(2-Ethylhexyl)adipate | NA | 1.1 J | 2.6 J | R |
| bis(2-Ethylhexyl)phthalate | NA | ND(4.1) | ND(11) | R |
| Butylbenzylphthalate | NA | ND(4.1) | ND(11) | R |
| Carbazole | NA | ND(4.1) | ND(11) | R |
| Chrysene | NA | 0.85 J | 2.2 J | R |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | NA | ND(4.1) | ND(11) | R |
| Dibenzofuran | NA | ND(4.1) | ND(11) | R |
| Diethylphthalate | NA | ND(4.1) | ND(11) | R |
| Dimethylphthalate | NA | ND(4.1) | ND(11) | R |
| Di-n-Butylphthalate | NA | ND(4.1) | ND(11) | R |
| Di-n-Octylphthalate | NA | ND(4.1) | ND(11) | R |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | NA | 1.4 J | 2.9 J | R |
| Fluorene | NA | ND(4.1) | ND(11) | R |
| Hexachlorobenzene | NA | ND(4.1) | ND(11) | R |
| Hexachlorobutadiene | NA | ND(4.1) | ND(11) | R |
| Hexachlorocyclopentadiene | NA | ND(4.1) | ND(11) | R |
| Hexachloroethane | NA | ND(4.1) | ND(11) | R |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | ND(4.1) | 1.4 J | R |
| Isophorone | NA | ND(4.1) | ND(11) | R |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | NA | ND(4.1) | ND(11) | R |
| Nitrobenzene | NA | ND(4.1) | ND(11) | R |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | NA | ND(4.1) | ND(11) | R |
| N-Nitrosodiphenylamine | NA | ND(4.1) | ND(11) | R |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | NA | R | ND(27) | R |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | NA | 0.96 J | 1.4 J | R |
| Phenol | NA | ND(4.1) | ND(11) | R |
| Pronamide | NA | NA | NA | NA |
| Pyrene | NA | 1.6 J | 3.7 J | R |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | E31 | E35 | E36 | F23 |
| Sample ID: | 2S-BH000600-0-0010 | 2S-BH000627-0-0060 | 2S-BH000593-0-0000 | 2S-BH000597-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 0-1 |
| Parameter Date Collected: | 04/24/02 | 05/17/02 | 04/23/02 | 04/24/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | 0.000040 | NS | 0.00015 | 0.000026 |
| TCDFs (total) | 0.00028 J | NS | 0.0024 J | 0.00022 J |
| 1,2,3,7,8-PeCDF | 0.000011 J | NS | 0.000076 | 0.000010 |
| 2,3,4,7,8-PeCDF | 0.000023 J | NS | 0.00099 | 0.000031 |
| PeCDFs (total) | 0.00019 J | NS | 0.018 J | 0.00041 J |
| 1,2,3,4,7,8-HxCDF | 0.000019 J | NS | ND(0.00024) | 0.000037 |
| 1,2,3,6,7,8-HxCDF | 0.0000091 J | NS | 0.00049 | 0.000022 |
| 1,2,3,7,8,9-HxCDF | 0.0000031 J | NS | 0.00011 J | 0.0000073 |
| 2,3,4,6,7,8-HxCDF | 0.000016 J | NS | 0.0020 | 0.000042 |
| HxCDFs (total) | 0.00024 | NS | 0.029 | 0.00056 J |
| 1,2,3,4,6,7,8-HpCDF | 0.000029 | NS | 0.0019 | 0.000060 |
| 1,2,3,4,7,8,9-HpCDF | 0.0000070 J | NS | 0.00013 | 0.000014 |
| HpCDFs (total) | 0.000071 | NS | 0.0046 | 0.00015 |
| OCDF | 0.000041 J | NS | 0.00033 | 0.000069 |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | ND(0.0000013) | NS | 0.0000031 | 0.00000066 |
| TCDDs (total) | 0.0000063 | NS | 0.000014 | 0.0000071 |
| 1,2,3,7,8-PeCDD | 0.0000031 J | NS | 0.000017 | 0.0000039 |
| PeCDDs (total) | 0.0000036 J | NS | 0.000063 J | 0.000027 J |
| 1,2,3,4,7,8-HxCDD | ND(0.0000028) | NS | 0.000024 J | 0.0000051 |
| 1,2,3,6,7,8-HxCDD | 0.0000038 J | NS | 0.000021 J | 0.0000072 |
| 1,2,3,7,8,9-HxCDD | 0.0000039 J | NS | 0.000016 J | 0.0000051 |
| HxCDDs (total) | 0.000039 | NS | 0.00026 | 0.000094 |
| 1,2,3,4,6,7,8-HpCDD | 0.000032 | NS | 0.00023 | 0.000058 |
| HpCDDs (total) | 0.000056 | NS | 0.00043 | 0.00013 |
| OCDD | 0.000092 | NS | 0.00088 | 0.00025 |
| Total TEQs (WHO TEFs) | 0.000026 | NS | 0.00083 | 0.000037 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | E31 | E35 | E36 | F23 |
| Sample ID: | 2S-BH000600-0-0010 | 2S-BH000627-0-0060 | 2S-BH000593-0-0000 | 2S-BH000597-0-0000 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 0-1 |
| Date Collected: | 04/24/02 | 05/17/02 | 04/23/02 | 04/24/02 |
| **Inorganics** | | | | |
| Antimony | NS | NS | NS | NS |
| Arsenic | NS | NS | NS | NS |
| Barium | NS | NS | NS | NS |
| Beryllium | NS | NS | NS | NS |
| Cadmium | NS | NS | NS | NS |
| Chromium | NS | NS | NS | NS |
| Cobalt | NS | NS | NS | NS |
| Copper | NS | NS | NS | NS |
| Cyanide | 0.610 | ND(0.570) J | 2.90 | ND(0.480) |
| Lead | NS | NS | NS | NS |
| Mercury | NS | NS | NS | NS |
| Nickel | NS | NS | NS | NS |
| Selenium | NS | NS | NS | NS |
| Silver | NS | NS | NS | NS |
| Sulfide | R | 13.9 J | ND(8.90) J | R |
| Thallium | NS | NS | NS | NS |
| Tin | NS | NS | NS | NS |
| Vanadium | NS | NS | NS | NS |
| Zinc | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F27 | F29 | F29 | F31 |
| Sample ID: | 2S-BH000670-0-0060 | 2S-BH000673-0-0010 | 2S-BH000673-0-0060 | 2S-BH000672-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Parameter / Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethene | NS | NS | NS | NS |
| 1,1-Dichloropropene | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | NS |
| 1,2-Dibromoethane | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS |
| 1,2-Dichloroethane | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NS | NS | NS | NS |
| 1,2-Dichloropropane | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS |
| 1,3-Dichloropropane | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS |
| 1,4-Dioxane | NS | NS | NS | NS |
| 2,2-Dichloropropane | NS | NS | NS | NS |
| 2-Butanone | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NS |
| 2-Chloroethylvinylether | NS | NS | NS | NS |
| 2-Chlorotoluene | NS | NS | NS | NS |
| 2-Hexanone | NS | NS | NS | NS |
| 3-Chloropropene | NS | NS | NS | NS |
| 4-Chlorotoluene | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | NS | NS | NS | NS |
| Acetone | NS | NS | NS | NS |
| Acrolein | NS | NS | NS | NS |
| Acrylonitrile | NS | NS | NS | NS |
| Benzene | NS | NS | NS | NS |
| Bromobenzene | NS | NS | NS | NS |
| Bromochloromethane | NS | NS | NS | NS |
| Bromodichloromethane | NS | NS | NS | NS |
| Bromoform | NS | NS | NS | NS |
| Bromomethane | NS | NS | NS | NS |
| Carbon Disulfide | NS | NS | NS | NS |
| Carbon Tetrachloride | NS | NS | NS | NS |
| Chlorobenzene | NS | NS | NS | NS |
| Chloroethane | NS | NS | NS | NS |
| Chloroform | NS | NS | NS | NS |
| Chloromethane | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | NS | NS | NS | NS |
| Dibromochloromethane | NS | NS | NS | NS |
| Dibromomethane | NS | NS | NS | NS |
| Ethyl Methacrylate | NS | NS | NS | NS |
| Ethylbenzene | NS | NS | NS | NS |
| Freon 12 | NS | NS | NS | NS |
| Hexachlorobutadiene | NS | NS | NS | NS |
| Iodomethane | NS | NS | NS | NS |
| Isobutanol | NS | NS | NS | NS |
| Isopropylbenzene | NS | NS | NS | NS |
| m&p-Xylene | NS | NS | NS | NS |
| Methacrylonitrile | NS | NS | NS | NS |
| Methyl Methacrylate | NS | NS | NS | NS |
| Methylene Chloride | NS | NS | NS | NS |
| Naphthalene | NS | NS | NS | NS |
| n-Butylbenzene | NS | NS | NS | NS |
| n-Propylbenzene | NS | NS | NS | NS |
| o-Xylene | NS | NS | NS | NS |
| p-Isopropyltoluene | NS | NS | NS | NS |
| Propionitrile | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F27 | F29 | F29 | F31 |
| Sample ID: | 2S-BH000670-0-0060 | 2S-BH000673-0-0010 | 2S-BH000673-0-0060 | 2S-BH000672-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Parameter Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NS | NS |
| Styrene | NS | NS | NS | NS |
| tert-Butylbenzene | NS | NS | NS | NS |
| Tetrachloroethene | NS | NS | NS | NS |
| Tetrahydrofuran | NS | NS | NS | NS |
| Toluene | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NS |
| Trichloroethene | NS | NS | NS | NS |
| Trichlorofluoromethane | NS | NS | NS | NS |
| Vinyl Acetate | NS | NS | NS | NS |
| Vinyl Chloride | NS | NS | NS | NS |
| Xylenes (total) | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(12) | 36 | ND(0.85) | 1.7 J |
| 1,2-Dichlorobenzene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 2,4,6-Trichlorophenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2,4-Dichlorophenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2,4-Dimethylphenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2,4-Dinitrophenol | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 2,4-Dinitrotoluene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2-Chlorophenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2-Methylnaphthalene | ND(12) | ND(12) | 0.088 J | 2.3 J |
| 2-Methylphenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 2-Nitrophenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 4,6-Dinitro-2-methylphenol | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 4-Chloro-3-Methylphenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 4-Chloroaniline | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 4-Methylphenol | ND(12) | ND(12) | ND(0.85) | ND(11) |
| 4-Nitroaniline | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 4-Nitrophenol | ND(30) | ND(30) | ND(2.1) | ND(29) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(12) | ND(12) | ND(0.85) | 1.6 J |
| Acenaphthylene | ND(12) | ND(12) | ND(0.85) | 6.5 J |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(12) | ND(12) | ND(0.85) | 4.8 J |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F27 | F29 | F29 | F31 |
| Sample ID: | 2S-BH000670-0-0060 | 2S-BH000673-0-0010 | 2S-BH000673-0-0060 | 2S-BH000672-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(12) | ND(12) | ND(0.85) | 3.7 J |
| Benzo(a)pyrene | ND(12) | ND(12) | ND(0.85) | 2.9 J |
| Benzo(b)fluoranthene | ND(12) | ND(12) | ND(0.85) | 1.5 J |
| Benzo(g,h,i)perylene | ND(12) | ND(12) | ND(0.85) | 1.6 J |
| Benzo(k)fluoranthene | ND(12) | ND(12) | ND(0.85) | 2.0 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(12) | ND(12) | ND(0.85) | ND(11) |
| bis(2-Chloroethyl)ether | ND(12) | ND(12) | ND(0.85) | ND(11) |
| bis(2-Chloroisopropyl)ether | ND(12) | ND(12) | ND(0.85) | ND(11) |
| bis(2-Ethylhexyl)adipate | ND(12) | ND(12) | 1.2 | ND(11) |
| bis(2-Ethylhexyl)phthalate | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Butylbenzylphthalate | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Carbazole | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Chrysene | ND(12) | ND(12) | ND(0.85) | 3.8 J |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Dibenzofuran | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Diethylphthalate | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Dimethylphthalate | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Di-n-Butylphthalate | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Di-n-Octylphthalate | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | ND(12) | ND(12) | ND(0.85) | 6.6 J |
| Fluorene | ND(12) | ND(12) | ND(0.85) | 8.5 J |
| Hexachlorobenzene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Hexachlorobutadiene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Hexachlorocyclopentadiene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Hexachloroethane | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(12) | ND(12) | ND(0.85) | 1.4 J |
| Isophorone | ND(12) | ND(12) | ND(0.85) | ND(11) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | ND(12) | ND(12) | ND(0.85) | 9.0 J |
| Nitrobenzene | ND(12) | ND(12) | ND(0.85) | ND(11) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(12) | ND(12) | ND(0.85) | ND(11) |
| N-Nitrosodiphenylamine | ND(12) | ND(12) | ND(0.85) | ND(11) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(30) | ND(30) | ND(2.1) | ND(29) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 1.6 J | ND(12) | ND(0.85) | 18 |
| Phenol | 1.4 J | ND(12) | ND(0.85) | ND(11) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | ND(12) | ND(12) | ND(0.85) | 10 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F27 | F29 | F29 | F31 |
| Sample ID: | 2S-BH000670-0-0060 | 2S-BH000673-0-0010 | 2S-BH000673-0-0060 | 2S-BH000672-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Parameter Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | F27 | F29 | F29 | F31 |
| | Sample ID: | 2S-BH000670-0-0060 | 2S-BH000673-0-0010 | 2S-BH000673-0-0060 | 2S-BH000672-0-0010 |
| | Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| | Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Inorganics** | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | ND(0.560) | ND(0.500) | ND(0.520) | 3.30 |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | ND(9.40) | ND(9.30) | ND(9.90) | ND(7.80) |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F31 | G27 | G27 | H29 |
| Sample ID: | 2S-BH000672-0-0060 | 2S-BH000671-0-0010 | 2S-BH000671-0-0060 | 2S-BH000674-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Parameter Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethene | NS | NS | NS | NS |
| 1,1-Dichloropropene | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | NS |
| 1,2-Dibromoethane | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS |
| 1,2-Dichloroethane | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NS | NS | NS | NS |
| 1,2-Dichloropropane | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS |
| 1,3-Dichloropropane | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS |
| 1,4-Dioxane | NS | NS | NS | NS |
| 2,2-Dichloropropane | NS | NS | NS | NS |
| 2-Butanone | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NS |
| 2-Chloroethylvinylether | NS | NS | NS | NS |
| 2-Chlorotoluene | NS | NS | NS | NS |
| 2-Hexanone | NS | NS | NS | NS |
| 3-Chloropropene | NS | NS | NS | NS |
| 4-Chlorotoluene | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | NS | NS | NS | NS |
| Acetone | NS | NS | NS | NS |
| Acrolein | NS | NS | NS | NS |
| Acrylonitrile | NS | NS | NS | NS |
| Benzene | NS | NS | NS | NS |
| Bromobenzene | NS | NS | NS | NS |
| Bromochloromethane | NS | NS | NS | NS |
| Bromodichloromethane | NS | NS | NS | NS |
| Bromoform | NS | NS | NS | NS |
| Bromomethane | NS | NS | NS | NS |
| Carbon Disulfide | NS | NS | NS | NS |
| Carbon Tetrachloride | NS | NS | NS | NS |
| Chlorobenzene | NS | NS | NS | NS |
| Chloroethane | NS | NS | NS | NS |
| Chloroform | NS | NS | NS | NS |
| Chloromethane | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | NS | NS | NS | NS |
| Dibromochloromethane | NS | NS | NS | NS |
| Dibromomethane | NS | NS | NS | NS |
| Ethyl Methacrylate | NS | NS | NS | NS |
| Ethylbenzene | NS | NS | NS | NS |
| Freon 12 | NS | NS | NS | NS |
| Hexachlorobutadiene | NS | NS | NS | NS |
| Iodomethane | NS | NS | NS | NS |
| Isobutanol | NS | NS | NS | NS |
| Isopropylbenzene | NS | NS | NS | NS |
| m&p-Xylene | NS | NS | NS | NS |
| Methacrylonitrile | NS | NS | NS | NS |
| Methyl Methacrylate | NS | NS | NS | NS |
| Methylene Chloride | NS | NS | NS | NS |
| Naphthalene | NS | NS | NS | NS |
| n-Butylbenzene | NS | NS | NS | NS |
| n-Propylbenzene | NS | NS | NS | NS |
| o-Xylene | NS | NS | NS | NS |
| p-Isopropyltoluene | NS | NS | NS | NS |
| Propionitrile | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F31 | G27 | G27 | H29 |
| Sample ID: | 2S-BH000672-0-0060 | 2S-BH000671-0-0010 | 2S-BH000671-0-0060 | 2S-BH000674-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Parameter Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NS | NS |
| Styrene | NS | NS | NS | NS |
| tert-Butylbenzene | NS | NS | NS | NS |
| Tetrachloroethene | NS | NS | NS | NS |
| Tetrahydrofuran | NS | NS | NS | NS |
| Toluene | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NS |
| Trichloroethene | NS | NS | NS | NS |
| Trichlorofluoromethane | NS | NS | NS | NS |
| Vinyl Acetate | NS | NS | NS | NS |
| Vinyl Chloride | NS | NS | NS | NS |
| Xylenes (total) | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 1.8 J | ND(12) | ND(120) | ND(11) |
| 1,2-Dichlorobenzene | ND(11) | ND(12) | ND(120) | ND(11) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(11) | ND(12) | ND(120) | 2.0 J |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | R | 3.0 J | ND(120) | 2.6 J |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(28) | ND(30) | ND(290) | ND(29) |
| 2,4,6-Trichlorophenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 2,4-Dichlorophenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 2,4-Dimethylphenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 2,4-Dinitrophenol | ND(28) | ND(30) | ND(290) | ND(29) |
| 2,4-Dinitrotoluene | R | ND(12) | ND(120) | ND(11) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(11) | ND(12) | ND(120) | ND(11) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(11) | ND(12) | ND(120) | ND(11) |
| 2-Chlorophenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 2-Methylnaphthalene | 1.3 J | ND(12) | ND(120) | ND(11) |
| 2-Methylphenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(28) | ND(30) | ND(290) | ND(29) |
| 2-Nitrophenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(11) | ND(12) | ND(120) | ND(11) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(28) | ND(30) | ND(290) | ND(29) |
| 4,6-Dinitro-2-methylphenol | ND(28) | ND(30) | ND(290) | ND(29) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(11) | ND(12) | ND(120) | ND(11) |
| 4-Chloro-3-Methylphenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 4-Chloroaniline | ND(11) | ND(12) | ND(120) | ND(11) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(11) | ND(12) | ND(120) | ND(11) |
| 4-Methylphenol | ND(11) | ND(12) | ND(120) | ND(11) |
| 4-Nitroaniline | ND(28) | ND(30) | ND(290) | ND(29) |
| 4-Nitrophenol | ND(28) | ND(30) | ND(290) | ND(29) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(11) | ND(12) | ND(120) | ND(11) |
| Acenaphthylene | ND(11) | ND(12) | ND(120) | ND(11) |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(11) | ND(12) | ND(120) | ND(11) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F31 | G27 | G27 | H29 |
| Sample ID: | 2S-BH000672-0-0060 | 2S-BH000671-0-0010 | 2S-BH000671-0-0060 | 2S-BH000674-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(11) | 2.1 J | ND(120) | ND(11) |
| Benzo(a)pyrene | ND(11) | 2.1 J | ND(120) | ND(11) |
| Benzo(b)fluoranthene | ND(11) | 2.1 J | ND(120) | ND(11) |
| Benzo(g,h,i)perylene | ND(11) | 1.3 J | ND(120) | ND(11) |
| Benzo(k)fluoranthene | ND(11) | 2.0 J | ND(120) | ND(11) |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(11) | ND(12) | ND(120) | ND(11) |
| bis(2-Chloroethyl)ether | ND(11) | ND(12) | ND(120) | ND(11) |
| bis(2-Chloroisopropyl)ether | ND(11) | ND(12) | ND(120) | ND(11) |
| bis(2-Ethylhexyl)adipate | ND(11) | ND(12) J | ND(120) J | 2.2 J |
| bis(2-Ethylhexyl)phthalate | ND(11) | ND(12) | ND(120) | ND(11) |
| Butylbenzylphthalate | ND(11) | ND(12) | ND(120) | ND(11) |
| Carbazole | ND(11) | ND(12) | ND(120) | ND(11) |
| Chrysene | ND(11) | 2.4 J | ND(120) | 1.3 J |
| Dialfate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(11) | ND(12) | ND(120) | ND(11) |
| Dibenzofuran | ND(11) | ND(12) | ND(120) | ND(11) |
| Diethylphthalate | ND(11) | ND(12) | ND(120) | ND(11) |
| Dimethylphthalate | ND(11) | ND(12) | ND(120) | ND(11) |
| Di-n-Butylphthalate | ND(11) | ND(12) | ND(120) | ND(11) |
| Di-n-Octylphthalate | ND(11) | ND(12) | ND(120) | ND(11) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | ND(11) | 5.2 J | ND(120) | 2.7 J |
| Fluorene | ND(11) | ND(12) | ND(120) | ND(11) |
| Hexachlorobenzene | ND(11) | ND(12) | ND(120) | ND(11) |
| Hexachlorobutadiene | ND(11) | ND(12) | ND(120) | ND(11) |
| Hexachlorocyclopentadiene | ND(11) | ND(12) | ND(120) | ND(11) |
| Hexachloroethane | ND(11) | ND(12) | ND(120) | ND(11) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(11) | 1.4 J | ND(120) | ND(11) |
| Isophorone | ND(11) | ND(12) | ND(120) | ND(11) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | 1.6 J | ND(12) | ND(120) | ND(11) |
| Nitrobenzene | ND(11) | ND(12) | ND(120) | ND(11) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(11) | ND(12) | ND(120) | ND(11) |
| N-Nitrosodiphenylamine | ND(11) | ND(12) | ND(120) | ND(11) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | R | ND(30) | ND(290) | ND(29) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 1.7 J | 3.4 J | ND(120) | 2.0 J |
| Phenol | ND(11) | ND(12) | ND(120) | ND(11) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 1.2 J | 4.8 J | ND(120) | 2.3 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | F31 | G27 | G27 | H29 |
| Sample ID: | 2S-BH000672-0-0060 | 2S-BH000671-0-0010 | 2S-BH000671-0-0060 | 2S-BH000674-0-0010 |
| Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| Parameter / Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | F31 | G27 | G27 | H29 |
| | Sample ID: | 2S-BH000672-0-0060 | 2S-BH000671-0-0010 | 2S-BH000671-0-0060 | 2S-BH000674-0-0010 |
| | Sample Depth(Feet): | 6-15 | 1-6 | 6-15 | 1-6 |
| | Date Collected: | 05/22/02 | 05/22/02 | 05/22/02 | 05/22/02 |
| Inorganics | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | 0.560 | ND(0.510) | 0.500 | ND(0.560) |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | ND(8.20) | ND(7.90) | ND(8.10) | ND(8.90) |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | H29 | I21 | I23 | I23 |
| Sample ID: | 2S-BH000674-0-0060 | 2S-BH000590-0-0000 | 2S-BH000601-0-0000 | 2S-BH000601-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 0-1 | 6-15 |
| Parameter Date Collected: | 05/22/02 | 04/22/02 | 04/25/02 | 04/25/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethene | NS | NS | NS | NS |
| 1,1-Dichloropropene | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | NS |
| 1,2-Dibromoethane | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS |
| 1,2-Dichloroethane | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NS | NS | NS | NS |
| 1,2-Dichloropropane | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS |
| 1,3-Dichloropropane | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS |
| 1,4-Dioxane | NS | NS | NS | NS |
| 2,2-Dichloropropane | NS | NS | NS | NS |
| 2-Butanone | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NS |
| 2-Chloroethylvinylether | NS | NS | NS | NS |
| 2-Chlorotoluene | NS | NS | NS | NS |
| 2-Hexanone | NS | NS | NS | NS |
| 3-Chloropropene | NS | NS | NS | NS |
| 4-Chlorotoluene | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | NS | NS | NS | NS |
| Acetone | NS | NS | NS | NS |
| Acrolein | NS | NS | NS | NS |
| Acrylonitrile | NS | NS | NS | NS |
| Benzene | NS | NS | NS | NS |
| Bromobenzene | NS | NS | NS | NS |
| Bromochloromethane | NS | NS | NS | NS |
| Bromodichloromethane | NS | NS | NS | NS |
| Bromoform | NS | NS | NS | NS |
| Bromomethane | NS | NS | NS | NS |
| Carbon Disulfide | NS | NS | NS | NS |
| Carbon Tetrachloride | NS | NS | NS | NS |
| Chlorobenzene | NS | NS | NS | NS |
| Chloroethane | NS | NS | NS | NS |
| Chloroform | NS | NS | NS | NS |
| Chloromethane | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | NS | NS | NS | NS |
| Dibromochloromethane | NS | NS | NS | NS |
| Dibromomethane | NS | NS | NS | NS |
| Ethyl Methacrylate | NS | NS | NS | NS |
| Ethylbenzene | NS | NS | NS | NS |
| Freon 12 | NS | NS | NS | NS |
| Hexachlorobutadiene | NS | NS | NS | NS |
| Iodomethane | NS | NS | NS | NS |
| Isobutanol | NS | NS | NS | NS |
| Isopropylbenzene | NS | NS | NS | NS |
| m&p-Xylene | NS | NS | NS | NS |
| Methacrylonitrile | NS | NS | NS | NS |
| Methyl Methacrylate | NS | NS | NS | NS |
| Methylene Chloride | NS | NS | NS | NS |
| Naphthalene | NS | NS | NS | NS |
| n-Butylbenzene | NS | NS | NS | NS |
| n-Propylbenzene | NS | NS | NS | NS |
| o-Xylene | NS | NS | NS | NS |
| p-Isopropyltoluene | NS | NS | NS | NS |
| Propionitrile | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | H29 | I21 | I23 | I23 |
| Sample ID: | 2S-BH000674-0-0060 | 2S-BH000590-0-0000 | 2S-BH000601-0-0000 | 2S-BH000601-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 0-1 | 6-15 |
| Parameter / Date Collected: | 05/22/02 | 04/22/02 | 04/25/02 | 04/25/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NS | NS |
| Styrene | NS | NS | NS | NS |
| tert-Butylbenzene | NS | NS | NS | NS |
| Tetrachloroethene | NS | NS | NS | NS |
| Tetrahydrofuran | NS | NS | NS | NS |
| Toluene | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NS |
| Trichloroethene | NS | NS | NS | NS |
| Trichlorofluoromethane | NS | NS | NS | NS |
| Vinyl Acetate | NS | NS | NS | NS |
| Vinyl Chloride | NS | NS | NS | NS |
| Xylenes (total) | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 1,2-Dichlorobenzene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | 0.73 J | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 1.5 J | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 2,4,6-Trichlorophenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2,4-Dichlorophenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2,4-Dimethylphenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2,4-Dinitrophenol | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 2,4-Dinitrotoluene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(4.8) | ND(0.80) | ND(0.76) | 36 J [25 J] |
| 2-Chlorophenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2-Methylnaphthalene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2-Methylphenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 2-Nitrophenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 4,6-Dinitro-2-methylphenol | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 4-Chloro-3-Methylphenol | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 4-Chloroaniline | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| 4-Methylphenol | ND(4.8) | 0.098 J | ND(0.76) | ND(130) J [ND(120) J] |
| 4-Nitroaniline | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 4-Nitrophenol | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Acenaphthylene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | H29 | I21 | I23 | I23 |
| Sample ID: | 2S-BH000674-0-0060 | 2S-BH000590-0-0000 | 2S-BH000601-0-0000 | 2S-BH000601-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 0-1 | 6-15 |
| Parameter Date Collected: | 05/22/02 | 04/22/02 | 04/25/02 | 04/25/02 |
| Semivolatile Organics (continued) | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(4.8) | 0.31 J | 0.28 J | ND(130) J [ND(120) J] |
| Benzo(a)pyrene | ND(4.8) | 0.35 J | 0.29 J | ND(130) J [ND(120) J] |
| Benzo(b)fluoranthene | ND(4.8) | 0.33 J | 0.33 J | ND(130) J [ND(120) J] |
| Benzo(g,h,i)perylene | ND(4.8) | 0.18 J | ND(0.76) | ND(130) J [ND(120) J] |
| Benzo(k)fluoranthene | ND(4.8) | 0.42 J | 0.27 J | ND(130) J [ND(120) J] |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| bis(2-Chloroethyl)ether | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| bis(2-Chloroisopropyl)ether | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| bis(2-Ethylhexyl)adipate | 0.95 J | ND(0.80) | 0.37 J | ND(130) J [ND(120) J] |
| bis(2-Ethylhexyl)phthalate | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Butylbenzylphthalate | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Carbazole | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Chrysene | ND(4.8) | 0.40 J | 0.31 J | ND(130) J [ND(120) J] |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(4.8) | 0.084 J | 0.088 J | ND(130) J [ND(120) J] |
| Dibenzofuran | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Diethylphthalate | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Dimethylphthalate | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Di-n-Butylphthalate | 0.67 J | 0.70 J | 0.33 J | ND(130) J [ND(120) J] |
| Di-n-Octylphthalate | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 0.72 J | 0.71 J | 0.65 J | ND(130) J [ND(120) J] |
| Fluorene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Hexachlorobenzene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Hexachlorobutadiene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Hexachlorocyclopentadiene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Hexachloroethane | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(4.8) | 0.22 J | 0.22 J | ND(130) J [ND(120) J] |
| Isophorone | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | 0.52 J | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| Nitrobenzene | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(4.8) | ND(0.80) | ND(0.76) | ND(130) J [ND(120) J] |
| N-Nitrosodiphenylamine | ND(4.8) | ND(0.80) | ND(0.76) | 24 J [20 J] |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopipendine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(12) | ND(2.0) | ND(1.9) | ND(320) J [ND(310) J] |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 0.46 J | 0.33 J | 0.26 J | ND(130) J [ND(120) J] |
| Phenol | ND(4.8) | 0.26 J | ND(0.76) | 22 J [14 J] |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 0.70 J | 0.64 J | 0.59 J | ND(130) J [ND(120) J] |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | H29 | I21 | I23 | I23 |
| Sample ID: | 2S-BH000674-0-0060 | 2S-BH000590-0-0000 | 2S-BH000601-0-0000 | 2S-BH000601-0-0060 |
| Sample Depth(Feet): | 6-15 | 0-1 | 0-1 | 6-15 |
| Parameter Date Collected: | 05/22/02 | 04/22/02 | 04/25/02 | 04/25/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | 0.000059 | NS | 0.00013 |
| TCDFs (total) | NS | 0.00047 | NS | 0.00092 J |
| 1,2,3,7,8-PeCDF | NS | 0.000025 | NS | 0.000040 |
| 2,3,4,7,8-PeCDF | NS | 0.000087 | NS | 0.00012 |
| PeCDFs (total) | NS | 0.0015 | NS | 0.0014 J |
| 1,2,3,4,7,8-HxCDF | NS | 0.000057 | NS | 0.00012 |
| 1,2,3,6,7,8-HxCDF | NS | 0.000050 | NS | 0.000063 |
| 1,2,3,7,8,9-HxCDF | NS | 0.000014 | NS | 0.000015 |
| 2,3,4,6,7,8-HxCDF | NS | 0.00011 | NS | 0.00011 |
| HxCDFs (total) | NS | 0.0016 | NS | 0.0016 J |
| 1,2,3,4,6,7,8-HpCDF | NS | 0.00014 | NS | 0.00019 |
| 1,2,3,4,7,8,9-HpCDF | NS | 0.000015 | NS | 0.000045 |
| HpCDFs (total) | NS | 0.00032 | NS | 0.00045 |
| OCDF | NS | 0.000090 | NS | 0.00029 |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | 0.00000066 | NS | 0.0000014 |
| TCDDs (total) | NS | 0.0000061 | NS | 0.000038 |
| 1,2,3,7,8-PeCDD | NS | 0.0000027 | NS | 0.0000047 |
| PeCDDs (total) | NS | 0.000016 | NS | 0.000057 J |
| 1,2,3,4,7,8-HxCDD | NS | 0.0000020 J | NS | 0.0000044 |
| 1,2,3,6,7,8-HxCDD | NS | 0.0000045 | NS | 0.0000081 |
| 1,2,3,7,8,9-HxCDD | NS | 0.0000034 | NS | 0.0000054 |
| HxCDDs (total) | NS | 0.000050 | NS | 0.000099 |
| 1,2,3,4,6,7,8-HpCDD | NS | 0.000066 | NS | 0.000089 |
| HpCDDs (total) | NS | 0.00012 | NS | 0.00014 |
| OCDD | NS | 0.00050 | NS | 0.00037 |
| Total TEQs (WHO TEFs) | NS | 0.000081 | NS | 0.00012 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | H29 | I21 | I23 | I23 |
| | Sample ID: | 2S-BH000674-0-0060 | 2S-BH000590-0-0000 | 2S-BH000601-0-0000 | 2S-BH000601-0-0060 |
| | Sample Depth(Feet): | 6-15 | 0-1 | 0-1 | 6-15 |
| | Date Collected: | 05/22/02 | 04/22/02 | 04/25/02 | 04/25/02 |
| Inorganics | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | ND(0.640) | ND(0.560) | ND(0.580) | ND(0.620) [ND(0.640)] |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | ND(10.1) | ND(8.30) J | R | R |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | I25 | I25 | K21 | K21 |
| Sample ID: | 2S-BH000690-0-0010 | 2S-BH000690-0-0060 | 2S-BH000692-0-0060 | 2S-BH000692-0-0120 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 12-14 |
| Parameter Date Collected: | 06/03/02 | 06/03/02 | 06/03/02 | 06/03/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | ND(0.52) |
| 1,1,1-Trichloroethane | NS | NS | NS | ND(0.52) |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | ND(0.52) |
| 1,1,2-Trichloroethane | NS | NS | NS | ND(0.52) |
| 1,1-Dichloroethane | NS | NS | NS | ND(0.52) |
| 1,1-Dichloroethene | NS | NS | NS | ND(0.52) |
| 1,1-Dichloropropene | NS | NS | NS | NA |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NA |
| 1,2,3-Trichloropropane | NS | NS | NS | ND(0.52) |
| 1,2,4-Trichlorobenzene | NS | NS | NS | ND(0.52) |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NA |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | ND(0.52) |
| 1,2-Dibromoethane | NS | NS | NS | ND(0.52) |
| 1,2-Dichlorobenzene | NS | NS | NS | ND(0.52) |
| 1,2-Dichloroethane | NS | NS | NS | ND(0.52) |
| 1,2-Dichloroethene (total) | NS | NS | NS | NA |
| 1,2-Dichloropropane | NS | NS | NS | ND(0.52) |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NA |
| 1,3-Dichlorobenzene | NS | NS | NS | ND(0.52) |
| 1,3-Dichloropropane | NS | NS | NS | NA |
| 1,4-Dichlorobenzene | NS | NS | NS | ND(0.52) |
| 1,4-Dioxane | NS | NS | NS | R |
| 2,2-Dichloropropane | NS | NS | NS | NA |
| 2-Butanone | NS | NS | NS | R |
| 2-Chloro-1,3-butadiene | NS | NS | NS | ND(0.52) |
| 2-Chloroethylvinylether | NS | NS | NS | ND(0.52) |
| 2-Chlorotoluene | NS | NS | NS | NA |
| 2-Hexanone | NS | NS | NS | ND(0.52) |
| 3-Chloropropene | NS | NS | NS | ND(0.52) |
| 4-Chlorotoluene | NS | NS | NS | NA |
| 4-Methyl-2-pentanone | NS | NS | NS | ND(0.52) |
| Acetone | NS | NS | NS | R |
| Acrolein | NS | NS | NS | R |
| Acrylonitrile | NS | NS | NS | ND(0.52) |
| Benzene | NS | NS | NS | ND(0.52) |
| Bromobenzene | NS | NS | NS | NA |
| Bromochloromethane | NS | NS | NS | NA |
| Bromodichloromethane | NS | NS | NS | ND(0.52) |
| Bromoform | NS | NS | NS | ND(0.52) |
| Bromomethane | NS | NS | NS | ND(0.52) |
| Carbon Disulfide | NS | NS | NS | ND(0.52) |
| Carbon Tetrachloride | NS | NS | NS | ND(0.52) |
| Chlorobenzene | NS | NS | NS | 3.9 |
| Chloroethane | NS | NS | NS | ND(0.52) |
| Chloroform | NS | NS | NS | ND(0.52) |
| Chloromethane | NS | NS | NS | ND(0.52) |
| cis-1,2-Dichloroethene | NS | NS | NS | ND(0.52) |
| cis-1,3-Dichloropropene | NS | NS | NS | ND(0.52) |
| Dibromochloromethane | NS | NS | NS | ND(0.52) |
| Dibromomethane | NS | NS | NS | ND(0.52) |
| Ethyl Methacrylate | NS | NS | NS | ND(0.52) |
| Ethylbenzene | NS | NS | NS | ND(0.52) |
| Freon 12 | NS | NS | NS | ND(0.52) |
| Hexachlorobutadiene | NS | NS | NS | NA |
| Iodomethane | NS | NS | NS | ND(0.52) J |
| Isobutanol | NS | NS | NS | R |
| Isopropylbenzene | NS | NS | NS | NA |
| m&p-Xylene | NS | NS | NS | ND(0.52) |
| Methacrylonitrile | NS | NS | NS | ND(0.52) |
| Methyl Methacrylate | NS | NS | NS | ND(0.52) |
| Methylene Chloride | NS | NS | NS | ND(0.52) |
| Naphthalene | NS | NS | NS | ND(0.52) |
| n-Butylbenzene | NS | NS | NS | NA |
| n-Propylbenzene | NS | NS | NS | NA |
| o-Xylene | NS | NS | NS | 0.11 J |
| p-Isopropyltoluene | NS | NS | NS | NA |
| Propionitrile | NS | NS | NS | R |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | I25 | I25 | K21 | K21 |
| Sample ID: | 2S-BH000690-0-0010 | 2S-BH000690-0-0060 | 2S-BH000692-0-0060 | 2S-BH000692-0-0120 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 12-14 |
| Parameter / Date Collected: | 06/03/02 | 06/03/02 | 06/03/02 | 06/03/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NS | NA |
| Styrene | NS | NS | NS | ND(0.52) |
| tert-Butylbenzene | NS | NS | NS | NA |
| Tetrachloroethene | NS | NS | NS | ND(0.52) |
| Tetrahydrofuran | NS | NS | NS | NA |
| Toluene | NS | NS | NS | ND(0.52) |
| trans-1,2-Dichloroethene | NS | NS | NS | ND(0.52) |
| trans-1,3-Dichloropropene | NS | NS | NS | ND(0.52) |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | ND(0.52) |
| Trichloroethene | NS | NS | NS | ND(0.52) |
| Trichlorofluoromethane | NS | NS | NS | ND(0.52) |
| Vinyl Acetate | NS | NS | NS | ND(0.52) |
| Vinyl Chloride | NS | NS | NS | ND(0.52) |
| Xylenes (total) | NS | NS | NS | 0.11 J |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | 38 | 0.81 J | ND(2.0) | NS |
| 1,2,4-Trichlorobenzene | 170 | 10 | ND(2.0) | NS |
| 1,2-Dichlorobenzene | 0.73 J | 2.8 | 0.17 J | NS |
| 1,3,5-Trinitrobenzene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 1,3-Dichlorobenzene | 4.0 | 15 | 0.40 J | NS |
| 1,3-Dinitrobenzene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 1,4-Dichlorobenzene | 5.9 J | 49 J | 0.95 J | NS |
| 1,4-Naphthoquinone | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 1-Naphthylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2,3,4,6-Tetrachlorophenol | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2,4,5-Trichlorophenol | ND(9.6) J | ND(5.0) J | ND(5.1) J | NS |
| 2,4,6-Trichlorophenol | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2,4-Dichlorophenol | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2,4-Dimethylphenol | 0.81 J | 2.3 | ND(2.0) | NS |
| 2,4-Dinitrophenol | ND(9.6) | ND(5.0) J | ND(5.1) J | NS |
| 2,4-Dinitrotoluene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2,6-Dichlorophenol | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2,6-Dinitrotoluene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2-Acetylaminofluorene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2-Chloronaphthalene | ND(3.8) J | ND(2.0) J | ND(2.0) J | NS |
| 2-Chlorophenol | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2-Methylnaphthalene | 2.0 J | 0.41 J | 1.4 J | NS |
| 2-Methylphenol | 3.4 J | 0.75 J | ND(2.0) | NS |
| 2-Naphthylamine | ND(3.8) | ND(2.0) J | ND(2.0) J | NS |
| 2-Nitroaniline | ND(9.6) | ND(5.0) | ND(5.1) | NS |
| 2-Nitrophenol | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 2-Picoline | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 3,3'-Dichlorobenzidine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 3,3'-Dimethylbenzidine | ND(3.8) | ND(2.0) J | ND(2.0) J | NS |
| 3-Methylcholanthrene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 3-Nitroaniline | ND(9.6) | ND(5.0) | ND(5.1) | NS |
| 4,6-Dinitro-2-methylphenol | ND(9.6) | ND(5.0) | ND(5.1) | NS |
| 4-Aminobiphenyl | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 4-Bromophenyl-phenylether | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 4-Chloro-3-Methylphenol | ND(3.8) J | ND(2.0) | ND(2.0) | NS |
| 4-Chloroaniline | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 4-Chlorobenzilate | ND(3.8) J | ND(2.0) J | ND(2.0) J | NS |
| 4-Chlorophenyl-phenylether | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 4-Methylphenol | 1.2 J | 3.1 | 0.50 J | NS |
| 4-Nitroaniline | ND(9.6) | ND(5.0) | ND(5.1) | NS |
| 4-Nitrophenol | ND(9.6) | ND(5.0) J | ND(5.1) J | NS |
| 4-Nitroquinoline-1-oxide | R | R | R | NS |
| 4-Phenylenediamine | R | R | R | NS |
| 5-Nitro-o-toluidine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| 7,12-Dimethylbenz(a)anthracene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| a,a'-Dimethylphenethylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Acenaphthene | 6.4 | 1.2 J | 3.5 | NS |
| Acenaphthylene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Acetophenone | 0.38 J | ND(2.0) | ND(2.0) | NS |
| Aniline | 6.2 J | ND(5.0) | ND(5.1) | NS |
| Anthracene | 6.7 | 0.72 J | 2.0 J | NS |
| Aramite | ND(3.8) | ND(2.0) | ND(2.0) | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | I25 | I25 | K21 | K21 |
| Sample ID: | 2S-BH000690-0-0010 | 2S-BH000690-0-0060 | 2S-BH000692-0-0060 | 2S-BH000692-0-0120 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 12-14 |
| Parameter Date Collected: | 06/03/02 | 06/03/02 | 06/03/02 | 06/03/02 |
| Semivolatile Organics (continued) | | | | |
| Azobenzene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Benzo(a)anthracene | 16 | 1.9 J | 1.4 J | NS |
| Benzo(a)pyrene | 15 | 1.7 J | 0.92 J | NS |
| Benzo(b)fluoranthene | 19 | 1.7 J | 0.69 J | NS |
| Benzo(g,h,i)perylene | 9.2 | 0.93 J | 0.42 J | NS |
| Benzo(k)fluoranthene | 15 | 2.1 | 0.58 J | NS |
| Benzyl Alcohol | ND(3.8) | ND(2.0) J | ND(2.0) J | NS |
| bis(2-Chloroethoxy)methane | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| bis(2-Chloroethyl)ether | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| bis(2-Chloroisopropyl)ether | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| bis(2-Ethylhexyl)adipate | NA | NA | NA | NS |
| bis(2-Ethylhexyl)phthalate | 20 J | 0.67 J | ND(2.0) | NS |
| Butylbenzylphthalate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Carbazole | NA | NA | NA | NS |
| Chrysene | 19 | 2.2 | 1.6 J | NS |
| Dialiate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Dibenzo(a,h)anthracene | 4.3 | 0.36 J | 0.13 J | NS |
| Dibenzofuran | 3.1 J | 0.68 J | 0.70 J | NS |
| Diethylphthalate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Dimethylphthalate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Di-n-Butylphthalate | 38 | ND(2.0) | ND(2.0) | NS |
| Di-n-Octylphthalate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Ethyl Methanesulfonate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Fluoranthene | 36 | 7.0 | 3.8 | NS |
| Fluorene | 4.1 | 1.0 J | ND(2.0) | NS |
| Hexachlorobenzene | 3.6 J | ND(2.0) | ND(2.0) | NS |
| Hexachlorobutadiene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Hexachlorocyclopentadiene | R | R | R | NS |
| Hexachloroethane | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Hexachloropropene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Indeno(1,2,3-cd)pyrene | 8.8 | 0.87 J | 0.32 J | NS |
| Isophorone | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Isosafrole | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Methapyrilene | ND(3.8) J | ND(2.0) | ND(2.0) | NS |
| Methyl Methanesulfonate | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Naphthalene | 4.2 | 0.46 J | 0.81 J | NS |
| Nitrobenzene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitrosodiethylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitrosodimethylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitroso-di-n-butylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitroso-di-n-propylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitrosodiphenylamine | 15 | ND(2.0) | ND(2.0) | NS |
| N-Nitrosomethylethylamine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitrosomorpholine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitrosopiperidine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| N-Nitrosopyrrolidine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| o,o,o-Tnethylphosphorothioate | NA | NA | NA | NS |
| o-Toluidine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| p-Dimethylaminoazobenzene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Pentachlorobenzene | 100 | 0.58 J | ND(2.0) | NS |
| Pentachloroethane | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Pentachloronitrobenzene | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Pentachlorophenol | ND(9.6) | ND(5.0) | ND(5.1) | NS |
| Phenacetin | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Phenanthrene | 22 | 4.2 | 8.2 | NS |
| Phenol | 40 | 3.4 | 0.26 J | NS |
| Pronamide | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Pyrene | 53 | 4.0 | 4.8 | NS |
| Pyridine | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| Safrole | ND(3.8) J | ND(2.0) J | ND(2.0) J | NS |
| Thionazin | NA | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|
| Location ID: | I25 | I25 | K21 | K21 |
| Sample ID: | 2S-BH000690-0-0010 | 2S-BH000690-0-0060 | 2S-BH000692-0-0060 | 2S-BH000692-0-0120 |
| Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 12-14 |
| Parameter / Date Collected: | 06/03/02 | 06/03/02 | 06/03/02 | 06/03/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | ND(3.8) | ND(2.0) | ND(2.0) | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|
| | Location ID: | I25 | I25 | K21 | K21 |
| | Sample ID: | 2S-BH000690-0-0010 | 2S-BH000690-0-0060 | 2S-BH000692-0-0060 | 2S-BH000692-0-0120 |
| | Sample Depth(Feet): | 1-6 | 6-15 | 6-15 | 12-14 |
| | Date Collected: | 06/03/02 | 06/03/02 | 06/03/02 | 06/03/02 |
| **Inorganics** | | | | | |
| Antimony | | ND(1.30) | NS | NS | NS |
| Arsenic | | 6.40 | NS | NS | NS |
| Barium | | 81.9 | NS | NS | NS |
| Beryllium | | 0.180 J | NS | NS | NS |
| Cadmium | | 2.00 | NS | NS | NS |
| Chromium | | 123 | NS | NS | NS |
| Cobalt | | 8.50 | NS | NS | NS |
| Copper | | 127 | NS | NS | NS |
| Cyanide | | ND(0.560) | NS | NS | NS |
| Lead | | 846 J | NS | NS | NS |
| Mercury | | 3.40 | NS | NS | NS |
| Nickel | | 289 | NS | NS | NS |
| Selenium | | ND(1.70) | NS | NS | NS |
| Silver | | ND(0.890) | NS | NS | NS |
| Sulfide | | ND(9.20) | NS | NS | NS |
| Thallium | | ND(0.360) | NS | NS | NS |
| Tin | | 9.50 | NS | NS | NS |
| Vanadium | | 108 | NS | NS | NS |
| Zinc | | 1610 | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4D |
|---|---|---|---|---|
| Location ID: | K23 | K25 | X-16 | E38 |
| Sample ID: | 2S-BH000602-0-0000 | 2S-BH000689-0-0010 | 2S-BH000350-0-0060 | 2S-BH000608-0-0060 |
| Sample Depth(Feet): | 0-1 | 1-6 | 6-15 | 6-15 |
| Parameter / Date Collected: | 04/25/02 | 06/03/02 | 01/31/01 | 05/14/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | ND(0.010) J |
| 1,1,1-Trichloroethane | NS | NS | NS | ND(0.010) J |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | ND(0.010) J |
| 1,1,2-Trichloroethane | NS | NS | NS | ND(0.010) J |
| 1,1-Dichloroethane | NS | NS | NS | ND(0.010) J |
| 1,1-Dichloroethene | NS | NS | NS | ND(0.010) J |
| 1,1-Dichloropropene | NS | NS | NS | ND(0.010) J |
| 1,2,3-Trichlorobenzene | NS | NS | NS | ND(0.010) J |
| 1,2,3-Trichloropropane | NS | NS | NS | ND(0.010) J |
| 1,2,4-Trichlorobenzene | NS | NS | NS | ND(0.010) J |
| 1,2,4-Trimethylbenzene | NS | NS | NS | 0.093 J |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | ND(0.010) J |
| 1,2-Dibromoethane | NS | NS | NS | ND(0.010) J |
| 1,2-Dichlorobenzene | NS | NS | NS | ND(0.010) J |
| 1,2-Dichloroethane | NS | NS | NS | ND(0.010) J |
| 1,2-Dichloroethene (total) | NS | NS | NS | ND(0.010) J |
| 1,2-Dichloropropane | NS | NS | NS | ND(0.010) J |
| 1,3,5-Trimethylbenzene | NS | NS | NS | 0.035 J |
| 1,3-Dichlorobenzene | NS | NS | NS | ND(0.010) J |
| 1,3-Dichloropropane | NS | NS | NS | ND(0.010) J |
| 1,4-Dichlorobenzene | NS | NS | NS | ND(0.010) J |
| 1,4-Dioxane | NS | NS | NS | R |
| 2,2-Dichloropropane | NS | NS | NS | ND(0.010) J |
| 2-Butanone | NS | NS | NS | 0.0040 J |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NA |
| 2-Chloroethylvinylether | NS | NS | NS | NA |
| 2-Chlorotoluene | NS | NS | NS | ND(0.010) J |
| 2-Hexanone | NS | NS | NS | ND(0.010) J |
| 3-Chloropropene | NS | NS | NS | NA |
| 4-Chlorotoluene | NS | NS | NS | ND(0.010) J |
| 4-Methyl-2-pentanone | NS | NS | NS | ND(0.010) J |
| Acetone | NS | NS | NS | 0.022 J |
| Acrolein | NS | NS | NS | NA |
| Acrylonitrile | NS | NS | NS | NA |
| Benzene | NS | NS | NS | 0.13 J |
| Bromobenzene | NS | NS | NS | ND(0.010) J |
| Bromochloromethane | NS | NS | NS | ND(0.010) J |
| Bromodichloromethane | NS | NS | NS | ND(0.010) J |
| Bromoform | NS | NS | NS | ND(0.010) J |
| Bromomethane | NS | NS | NS | ND(0.010) J |
| Carbon Disulfide | NS | NS | NS | ND(0.010) J |
| Carbon Tetrachloride | NS | NS | NS | ND(0.010) J |
| Chlorobenzene | NS | NS | NS | 0.0020 J |
| Chloroethane | NS | NS | NS | ND(0.010) J |
| Chloroform | NS | NS | NS | ND(0.010) J |
| Chloromethane | NS | NS | NS | ND(0.010) J |
| cis-1,2-Dichloroethene | NS | NS | NS | ND(0.010) J |
| cis-1,3-Dichloropropene | NS | NS | NS | ND(0.010) J |
| Dibromochloromethane | NS | NS | NS | ND(0.010) J |
| Dibromomethane | NS | NS | NS | ND(0.010) J |
| Ethyl Methacrylate | NS | NS | NS | NA |
| Ethylbenzene | NS | NS | NS | 0.15 J |
| Freon 12 | NS | NS | NS | ND(0.010) J |
| Hexachlorobutadiene | NS | NS | NS | ND(0.010) J |
| Iodomethane | NS | NS | NS | NA |
| Isobutanol | NS | NS | NS | NA |
| Isopropylbenzene | NS | NS | NS | 0.017 J |
| m&p-Xylene | NS | NS | NS | 0.12 J |
| Methacrylonitrile | NS | NS | NS | NA |
| Methyl Methacrylate | NS | NS | NS | NA |
| Methylene Chloride | NS | NS | NS | ND(0.010) J |
| Naphthalene | NS | NS | NS | 0.80 J |
| n-Butylbenzene | NS | NS | NS | ND(0.010) J |
| n-Propylbenzene | NS | NS | NS | ND(0.010) J |
| o-Xylene | NS | NS | NS | 0.086 J |
| p-Isopropyltoluene | NS | NS | NS | 0.012 J |
| Propionitrile | NS | NS | NS | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4D |
|---|---|---|---|---|
| Location ID: | K23 | K25 | X-16 | E38 |
| Sample ID: | 2S-BH000602-0-0000 | 2S-BH000689-0-0010 | 2S-BH000350-0-0060 | 2S-BH000608-0-0060 |
| Sample Depth(Feet): | 0-1 | 1-6 | 6-15 | 6-15 |
| Parameter Date Collected: | 04/25/02 | 06/03/02 | 01/31/01 | 05/14/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NS | ND(0.010) J |
| Styrene | NS | NS | NS | ND(0.010) J |
| tert-Butylbenzene | NS | NS | NS | ND(0.010) J |
| Tetrachloroethene | NS | NS | NS | ND(0.010) J |
| Tetrahydrofuran | NS | NS | NS | R |
| Toluene | NS | NS | NS | 0.014 J |
| trans-1,2-Dichloroethene | NS | NS | NS | ND(0.010) J |
| trans-1,3-Dichloropropene | NS | NS | NS | ND(0.010) J |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NA |
| Trichloroethene | NS | NS | NS | ND(0.010) J |
| Trichlorofluoromethane | NS | NS | NS | 0.0060 J |
| Vinyl Acetate | NS | NS | NS | NA |
| Vinyl Chloride | NS | NS | NS | ND(0.010) J |
| Xylenes (total) | NS | NS | NS | 0.20 J |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | 6.2 | ND(0.36) | NA |
| 1,2,4-Trichlorobenzene | ND(3.6) | 36 | ND(0.36) | ND(120) |
| 1,2-Dichlorobenzene | ND(3.6) | 1.0 J | ND(0.36) | ND(120) |
| 1,3,5-Trinitrobenzene | NA | ND(5.5) | ND(0.36) | NA |
| 1,3-Dichlorobenzene | ND(3.6) | 14 | ND(0.36) | ND(120) |
| 1,3-Dinitrobenzene | NA | ND(5.5) | ND(0.36) | NA |
| 1,4-Dichlorobenzene | ND(3.6) | 36 J | ND(0.36) | ND(120) |
| 1,4-Naphthoquinone | NA | ND(5.5) | ND(0.36) | NA |
| 1-Naphthylamine | NA | ND(5.5) | ND(0.36) J | NA |
| 2,3,4,6-Tetrachlorophenol | NA | ND(5.5) | ND(0.36) | NA |
| 2,4,5-Trichlorophenol | ND(9.1) | ND(14) J | ND(0.91) | ND(300) |
| 2,4,6-Trichlorophenol | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2,4-Dichlorophenol | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2,4-Dimethylphenol | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2,4-Dinitrophenol | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| 2,4-Dinitrotoluene | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2,6-Dichlorophenol | NA | ND(5.5) | ND(0.36) | NA |
| 2,6-Dinitrotoluene | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2-Acetylaminofluorene | NA | ND(5.5) | ND(0.36) | NA |
| 2-Chloronaphthalene | ND(3.6) | ND(5.5) J | ND(0.36) J | ND(120) |
| 2-Chlorophenol | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2-Methylnaphthalene | ND(3.6) | 0.55 J | 0.052 J | ND(120) |
| 2-Methylphenol | ND(3.6) | 3.7 J | ND(0.36) | ND(120) |
| 2-Naphthylamine | NA | ND(5.5) | ND(0.36) | NA |
| 2-Nitroaniline | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| 2-Nitrophenol | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 2-Picoline | NA | ND(5.5) | ND(0.36) | NA |
| 3,3'-Dichlorobenzidine | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 3,3'-Dimethylbenzidine | NA | ND(5.5) | ND(0.36) J | NA |
| 3-Methylcholanthrene | NA | ND(5.5) | ND(0.36) | NA |
| 3-Nitroaniline | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| 4,6-Dinitro-2-methylphenol | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| 4-Aminobiphenyl | NA | ND(5.5) | ND(0.36) J | NA |
| 4-Bromophenyl-phenylether | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 4-Chloro-3-Methylphenol | ND(3.6) | ND(5.5) J | ND(0.36) | ND(120) |
| 4-Chloroaniline | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 4-Chlorobenzilate | NA | ND(5.5) J | ND(0.36) | NA |
| 4-Chlorophenyl-phenylether | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| 4-Methylphenol | ND(3.6) | 2.5 J | ND(0.36) | ND(120) |
| 4-Nitroaniline | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| 4-Nitrophenol | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| 4-Nitroquinoline-1-oxide | NA | R | R | NA |
| 4-Phenylenediamine | NA | R | ND(0.36) J | NA |
| 5-Nitro-o-toluidine | NA | ND(5.5) | ND(0.36) | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | ND(5.5) | ND(0.36) | NA |
| a,a'-Dimethylphenethylamine | NA | ND(5.5) | ND(0.36) | NA |
| Acenaphthene | ND(3.6) | 2.0 J | 0.24 J | 92 J |
| Acenaphthylene | ND(3.6) | ND(5.5) | 0.17 J | 31 J |
| Acetophenone | NA | 0.28 J | 0.096 J | NA |
| Aniline | NA | 35 | ND(0.91) | NA |
| Anthracene | ND(3.6) | 1.4 J | 0.72 | 62 J |
| Aramite | NA | ND(5.5) | ND(0.36) | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4D |
|---|---|---|---|---|
| Location ID: | K23 | K25 | X-16 | E38 |
| Sample ID: | 2S-BH000602-0-0000 | 2S-BH000689-0-0010 | 2S-BH000350-0-0060 | 2S-BH000608-0-0060 |
| Sample Depth(Feet): | 0-1 | 1-6 | 6-15 | 6-15 |
| Parameter Date Collected: | 04/25/02 | 08/03/02 | 01/31/01 | 05/14/02 |
| Semivolatile Organics (continued) | | | | |
| Azobenzene | NA | ND(5.5) | ND(0.36) | NA |
| Benzo(a)anthracene | ND(3.6) | 3.4 J | 0.58 | 50 J |
| Benzo(a)pyrene | ND(3.6) | 3.9 J | 0.63 | 39 J |
| Benzo(b)fluoranthene | ND(3.6) | 3.5 J | 0.35 J | 15 J |
| Benzo(g,h,i)perylene | ND(3.6) | 2.0 J | 0.40 | 15 J |
| Benzo(k)fluoranthene | ND(3.6) | 4.7 J | 0.35 J | 26 J |
| Benzyl Alcohol | NA | ND(5.5) | ND(0.36) | NA |
| bis(2-Chloroethoxy)methane | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| bis(2-Chloroethyl)ether | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| bis(2-Chloroisopropyl)ether | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| bis(2-Ethylhexyl)adipate | 1.6 J | NA | NA | ND(120) |
| bis(2-Ethylhexyl)phthalate | ND(3.6) | 1.2 J | ND(0.36) | ND(120) |
| Butylbenzylphthalate | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Carbazole | ND(3.6) | NA | NA | ND(120) |
| Chrysene | ND(3.6) | 4.4 J | 0.56 | 48 J |
| Diallate | NA | ND(5.5) | ND(0.36) | NA |
| Dibenzo(a,h)anthracene | ND(3.6) | 0.76 J | 0.080 J | ND(120) |
| Dibenzofuran | ND(3.6) | 1.0 J | 0.058 J | ND(120) |
| Diethylphthalate | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Dimethylphthalate | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Di-n-Butylphthalate | ND(3.6) | 16 | ND(0.36) | ND(120) |
| Di-n-Octylphthalate | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Ethyl Methanesulfonate | NA | ND(5.5) | ND(0.36) | NA |
| Fluoranthene | 0.47 J | 12 | 1.1 | 110 J |
| Fluorene | ND(3.6) | 1.4 J | 0.73 | 100 J |
| Hexachlorobenzene | ND(3.6) | 0.89 J | ND(0.36) | ND(120) |
| Hexachlorobutadiene | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Hexachlorocyclopentadiene | ND(3.6) | R | ND(0.36) | ND(120) |
| Hexachloroethane | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Hexachloropropene | NA | ND(5.5) | ND(0.36) | NA |
| Indeno(1,2,3-cd)pyrene | ND(3.6) | 1.8 J | 0.29 J | 12 J |
| Isophorone | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| Isosafrole | NA | ND(5.5) | ND(0.36) | NA |
| Methapyrilene | NA | ND(5.5) J | ND(0.36) | NA |
| Methyl Methanesulfonate | NA | ND(5.5) | ND(0.36) | NA |
| Naphthalene | ND(3.6) | 0.82 J | 0.15 J | ND(120) |
| Nitrobenzene | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| N-Nitrosodiethylamine | NA | ND(5.5) | ND(0.36) | NA |
| N-Nitrosodimethylamine | NA | ND(5.5) | ND(0.36) | NA |
| N-Nitroso-di-n-butylamine | NA | ND(5.5) | ND(0.36) | NA |
| N-Nitroso-di-n-propylamine | ND(3.6) | ND(5.5) | ND(0.36) | ND(120) |
| N-Nitrosodiphenylamine | ND(3.6) | 8.2 | ND(0.36) | ND(120) |
| N-Nitrosomethylethylamine | NA | ND(5.5) | ND(0.36) | NA |
| N-Nitrosomorpholine | NA | ND(5.5) | ND(0.36) | NA |
| N-Nitrosopiperidine | NA | ND(5.5) | ND(0.36) | NA |
| N-Nitrosopyrrolidine | NA | ND(5.5) | ND(0.36) | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | ND(5.5) | ND(0.36) | NA |
| p-Dimethylaminoazobenzene | NA | ND(5.5) | ND(0.36) | NA |
| Pentachlorobenzene | NA | 13 | ND(0.36) | NA |
| Pentachloroethane | NA | ND(5.5) | ND(0.36) | NA |
| Pentachloronitrobenzene | NA | ND(5.5) | ND(0.36) | NA |
| Pentachlorophenol | ND(9.1) | ND(14) | ND(0.91) | ND(300) |
| Phenacetin | NA | ND(5.5) | ND(0.36) | NA |
| Phenanthrene | ND(3.6) | 4.2 J | 2.6 | 300 |
| Phenol | ND(3.6) | 27 | ND(0.36) | ND(120) |
| Pronamide | NA | ND(5.5) | ND(0.36) | NA |
| Pyrene | 0.46 J | 13 | 1.6 | 160 J |
| Pyridine | NA | ND(5.5) | ND(0.36) | NA |
| Safrole | NA | ND(5.5) J | ND(0.36) | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4D |
|---|---|---|---|---|
| Location ID: | K23 | K25 | X-16 | E38 |
| Sample ID: | 2S-BH000602-0-0000 | 2S-BH000689-0-0010 | 2S-BH000350-0-0060 | 2S-BH000608-0-0060 |
| Sample Depth(Feet): | 0-1 | 1-6 | 6-15 | 6-15 |
| Parameter Date Collected: | 04/25/02 | 06/03/02 | 01/31/01 | 05/14/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | 0.0067 J | NS |
| 4,4'-DDE | NS | NS | ND(0.0037) | NS |
| 4,4'-DDT | NS | NS | 0.010 J | NS |
| Aldrin | NS | NS | ND(0.0018) | NS |
| Alpha-BHC | NS | NS | ND(0.0018) | NS |
| Alpha-Chlordane | NS | NS | NA | NS |
| Beta-BHC | NS | NS | ND(0.0018) | NS |
| Delta-BHC | NS | NS | 0.0020 J | NS |
| Dieldrin | NS | NS | ND(0.0037) | NS |
| Endosulfan I | NS | NS | ND(0.0018) | NS |
| Endosulfan II | NS | NS | ND(0.0037) | NS |
| Endosulfan Sulfate | NS | NS | 0.0057 J | NS |
| Endrin | NS | NS | 0.0064 | NS |
| Endrin Aldehyde | NS | NS | 0.0059 J | NS |
| Gamma-BHC (Lindane) | NS | NS | ND(0.0018) | NS |
| Gamma-Chlordane | NS | NS | NA | NS |
| Heptachlor | NS | NS | ND(0.0018) | NS |
| Heptachlor Epoxide | NS | NS | 0.020 J | NS |
| Isodrin | NS | NS | ND(0.0018) | NS |
| Kepone | NS | NS | R | NS |
| Methoxychlor | NS | NS | ND(0.018) | NS |
| Technical Chlordane | NS | NS | ND(0.018) | NS |
| Toxaphene | NS | NS | ND(0.18) | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | ND(5.5) | ND(0.36) | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | ND(0.000000063) | NS |
| TCDFs (total) | NS | NS | ND(0.000000063) | NS |
| 1,2,3,7,8-PeCDF | NS | NS | ND(0.000000040) | NS |
| 2,3,4,7,8-PeCDF | NS | NS | ND(0.000000039) | NS |
| PeCDFs (total) | NS | NS | ND(0.000000040) | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | ND(0.00000011) | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | ND(0.000000070) | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | ND(0.000000066) | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | ND(0.000000060) | NS |
| HxCDFs (total) | NS | NS | 0.00000030 J | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | ND(0.000000026) | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | ND(0.000000073) | NS |
| HpCDFs (total) | NS | NS | 0.00000061 J | NS |
| OCDF | NS | NS | 0.00000052 J | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | ND(0.000000087) | NS |
| TCDDs (total) | NS | NS | ND(0.00000029) | NS |
| 1,2,3,7,8-PeCDD | NS | NS | ND(0.000000056) | NS |
| PeCDDs (total) | NS | NS | ND(0.00000042) | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | ND(0.000000083) | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | ND(0.000000088) | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | ND(0.000000079) | NS |
| HxCDDs (total) | NS | NS | 0.00000024 J | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | ND(0.000000077) | NS |
| HpCDDs (total) | NS | NS | 0.00000025 J | NS |
| OCDD | NS | NS | ND(0.0000059) | NS |
| Total TEQs (WHO TEFs) | NS | NS | 0.00000012 | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4B | 4B | 4B | 4D |
|---|---|---|---|---|---|
| | Location ID: | K23 | K25 | X-16 | E38 |
| | Sample ID: | 2S-BH000602-0-0000 | 2S-BH000689-0-0010 | 2S-BH000350-0-0060 | 2S-BH000608-0-0060 |
| | Sample Depth(Feet): | 0-1 | 1-6 | 6-15 | 6-15 |
| | Date Collected: | 04/25/02 | 06/03/02 | 01/31/01 | 05/14/02 |
| Inorganics | | | | | |
| Antimony | | NS | NS | 0.540 J | NS |
| Arsenic | | NS | NS | 8.10 J | NS |
| Barium | | NS | NS | 28.5 | NS |
| Beryllium | | NS | NS | 0.270 J | NS |
| Cadmium | | NS | NS | 0.880 J | NS |
| Chromium | | NS | NS | 10.7 J | NS |
| Cobalt | | NS | NS | 11.3 J | NS |
| Copper | | NS | NS | 23.5 J | NS |
| Cyanide | | ND(0.520) | NS | ND(0.540) | 6.90 J |
| Lead | | NS | NS | 9.60 J | NS |
| Mercury | | NS | NS | ND(0.0200) J | NS |
| Nickel | | NS | NS | 19.0 | NS |
| Selenium | | NS | NS | ND(0.240) | NS |
| Silver | | NS | NS | ND(0.120) | NS |
| Sulfide | | 9.90 J | NS | ND(8.40) | 9.30 J |
| Thallium | | NS | NS | ND(2.00) J | NS |
| Tin | | NS | NS | ND(0.430) | NS |
| Vanadium | | NS | NS | 11.1 | NS |
| Zinc | | NS | NS | 69.1 | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | E39 | F36 | F36 | F39 |
| Sample ID: | 2S-BH000607-0-0010 | 2S-BH000609-0-0010 | 2S-BH000609-0-0060 | 2S-BH000587-0-0000 |
| Sample Depth(Feet): | 1-6 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/14/02 | 05/14/02 | 05/14/02 | 04/22/02 |
| Volatile Organics | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,1-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,2,2-Tetrachloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1,2-Trichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,1-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,3-Trichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,3-Trichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,4-Trichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2,4-Trimethylbenzene | 0.0010 J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dibromo-3-chloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dibromoethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloroethene (total) | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,3,5-Trimethylbenzene | 0.00090 J | ND(0.010) J | ND(0.010) J | NS |
| 1,3-Dichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,3-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,4-Dichlorobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 1,4-Dioxane | R | R | R | NS |
| 2,2-Dichloropropane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 2-Butanone | 0.0010 J | ND(0.010) J | 0.0020 J | NS |
| 2-Chloro-1,3-butadiene | NA | NA | NA | NS |
| 2-Chloroethylvinylether | NA | NA | NA | NS |
| 2-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 2-Hexanone | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 3-Chloropropene | NA | NA | NA | NS |
| 4-Chlorotoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| 4-Methyl-2 pentanone | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Acetone | ND(0.010) J | ND(0.010) J | ND(0.011) J | NS |
| Acrolein | NA | NA | NA | NS |
| Acrylonitrile | NA | NA | NA | NS |
| Benzene | ND(0.010) J | ND(0.010) J | ND(0.010) | NS |
| Bromobenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromodichloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromoform | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Bromomethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Carbon Disulfide | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Carbon Tetrachloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Chlorobenzene | ND(0.010) J | ND(0.010) J | 0.0030 J | NS |
| Chloroethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Chloroform | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Chloromethane | ND(0.010) J | ND(0.010) J | 0.010 J | NS |
| cis-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| cis-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Dibromochloromethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Dibromomethane | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Ethyl Methacrylate | NA | NA | NA | NS |
| Ethylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Freon 12 | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Hexachlorobutadiene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Iodomethane | NA | NA | NA | NS |
| Isobutanol | NA | NA | NA | NS |
| Isopropylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| m&p-Xylene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Methacrylonitrile | NA | NA | NA | NS |
| Methyl Methacrylate | NA | NA | NA | NS |
| Methylene Chloride | ND(0.010) J | ND(0.010) J | ND(0.011) J | NS |
| Naphthalene | ND(0.010) J | 0.032 J | ND(0.010) J | NS |
| n-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| n-Propylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| o-Xylene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| p-Isopropyltoluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Propionitrile | NA | NA | NA | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | E39 | F36 | F36 | F39 |
| Sample ID: | 2S-BH000607-0-0010 | 2S-BH000609-0-0010 | 2S-BH000609-0-0060 | 2S-BH000587-0-0000 |
| Sample Depth(Feet): | 1-6 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/14/02 | 05/14/02 | 05/14/02 | 04/22/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Styrene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| tert-Butylbenzene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Tetrachloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Tetrahydrofuran | R | R | R | NS |
| Toluene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,2-Dichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,3-Dichloropropene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| trans-1,4-Dichloro-2-butene | NA | NA | NA | NS |
| Trichloroethene | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Trichlorofluoromethane | 0.0070 J | 0.0070 J | 0.0090 J | NS |
| Vinyl Acetate | NA | NA | NA | NS |
| Vinyl Chloride | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| Xylenes (total) | ND(0.010) J | ND(0.010) J | ND(0.010) J | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(3.8) | ND(1.9) J | ND(0.39) | ND(0.69) |
| 1,2-Dichlorobenzene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(3.8) | ND(1.9) J | ND(0.39) | ND(0.69) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 2,4,6-Trichlorophenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2,4-Dichlorophenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2,4-Dimethylphenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2,4-Dinitrophenol | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 2,4-Dinitrotoluene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2-Chlorophenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2-Methylnaphthalene | 0.42 J | ND(1.9) | ND(0.39) | ND(0.69) |
| 2-Methylphenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 2-Nitrophenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 4,6-Dinitro-2-methylphenol | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 4-Chloro-3-Methylphenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 4-Chloroaniline | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 4-Methylphenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| 4-Nitroaniline | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 4-Nitrophenol | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro-o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | 0.48 J | ND(1.9) | ND(0.39) | ND(0.69) |
| Acenaphthylene | 0.45 J | ND(1.9) | ND(0.39) | ND(0.69) |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | 1.0 J | ND(1.9) | ND(0.39) | ND(0.69) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | E39 | F36 | F36 | F39 |
| Sample ID: | 2S-BH000607-0-0010 | 2S-BH000609-0-0010 | 2S-BH000609-0-0060 | 2S-BH000587-0-0000 |
| Sample Depth(Feet): | 1-6 | 1-6 | 6-15 | 0-1 |
| Parameter / Date Collected: | 05/14/02 | 05/14/02 | 05/14/02 | 04/22/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | 1.2 J | 0.37 J | ND(0.39) | 0.20 J |
| Benzo(a)pyrene | 1.1 J | 0.52 J | ND(0.39) | 0.19 J |
| Benzo(b)fluoranthene | ND(3.8) | 0.44 J | ND(0.39) | 0.17 J |
| Benzo(g,h,i)perylene | 0.55 J | 0.43 J | ND(0.39) | 0.11 J |
| Benzo(k)fluoranthene | ND(3.8) | 0.42 J | ND(0.39) | 0.21 J |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| bis(2-Chloroethyl)ether | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| bis(2-Chloroisopropyl)ether | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| bis(2-Ethylhexyl)adipate | ND(3.8) | 3.9 | 1.4 | 0.65 J |
| bis(2-Ethylhexyl)phthalate | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Butylbenzylphthalate | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Carbazole | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Chrysene | 1.2 J | 0.47 J | ND(0.39) | 0.23 J |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Dibenzofuran | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Diethylphthalate | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Dimethylphthalate | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Di-n-Butylphthalate | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Di-n-Octylphthalate | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 2.3 J | 1.0 J | ND(0.39) | 0.38 J |
| Fluorene | 0.87 J | ND(1.9) | ND(0.39) | ND(0.69) |
| Hexachlorobenzene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Hexachlorobutadiene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Hexachlorocyclopentadiene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Hexachloroethane | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 0.58 J | 0.42 J | ND(0.39) | 0.13 J |
| Isophorone | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | 0.49 J | ND(1.9) | ND(0.39) | ND(0.69) |
| Nitrobenzene | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| N-Nitrosodiphenylamine | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(9.6) | ND(4.6) | ND(0.97) | ND(1.7) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 3.8 J | 0.80 J | ND(0.39) | 0.22 J |
| Phenol | ND(3.8) | ND(1.9) | ND(0.39) | ND(0.69) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 3.4 J | 0.98 J | ND(0.39) | 0.37 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | E39 | F36 | F36 | F39 |
| Sample ID: | 2S-BH000607-0-0010 | 2S-BH000609-0-0010 | 2S-BH000609-0-0060 | 2S-BH000587-0-0000 |
| Sample Depth(Feet): | 1-6 | 1-6 | 6-15 | 0-1 |
| Parameter Date Collected: | 05/14/02 | 05/14/02 | 05/14/02 | 04/22/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|
| | Location ID: | E39 | F36 | F36 | F39 |
| | Sample ID: | 2S-BH000607-0-0010 | 2S-BH000609-0-0010 | 2S-BH000609-0-0060 | 2S-BH000587-0-0000 |
| | Sample Depth(Feet): | 1-6 | 1-6 | 6-15 | 0-1 |
| | Date Collected: | 05/14/02 | 05/14/02 | 05/14/02 | 04/22/02 |
| **Inorganics** | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | 1.30 J | ND(0.490) J | ND(0.500) J | ND(0.460) |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | R | R | 12.5 J | ND(8.10) J |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | F41 | G38 | G38 | H35 |
| Sample ID: | 2S-BH000598-0-0000 | 2S-BH000594-0-0000 | 2S-BH000594-0-0010 | 2S-BH000595-0-0000 |
| Sample Depth(Feet): | 0-1 | 0-1 | 1-6 | 0-1 |
| Parameter / Date Collected: | 04/24/02 | 04/23/02 | 04/23/02 | 04/23/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethane | NS | NS | NS | NS |
| 1,1-Dichloroethene | NS | NS | NS | NS |
| 1,1-Dichloropropene | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | NS |
| 1,2-Dibromoethane | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS |
| 1,2-Dichloroethane | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NS | NS | NS | NS |
| 1,2-Dichloropropane | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS |
| 1,3-Dichloropropane | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS |
| 1,4-Dioxane | NS | NS | NS | NS |
| 2,2-Dichloropropane | NS | NS | NS | NS |
| 2-Butanone | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NS |
| 2-Chloroethylvinylether | NS | NS | NS | NS |
| 2-Chlorotoluene | NS | NS | NS | NS |
| 2-Hexanone | NS | NS | NS | NS |
| 3-Chloropropene | NS | NS | NS | NS |
| 4-Chlorotoluene | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | NS | NS | NS | NS |
| Acetone | NS | NS | NS | NS |
| Acrolein | NS | NS | NS | NS |
| Acrylonitrile | NS | NS | NS | NS |
| Benzene | NS | NS | NS | NS |
| Bromobenzene | NS | NS | NS | NS |
| Bromochloromethane | NS | NS | NS | NS |
| Bromodichloromethane | NS | NS | NS | NS |
| Bromoform | NS | NS | NS | NS |
| Bromomethane | NS | NS | NS | NS |
| Carbon Disulfide | NS | NS | NS | NS |
| Carbon Tetrachloride | NS | NS | NS | NS |
| Chlorobenzene | NS | NS | NS | NS |
| Chloroethane | NS | NS | NS | NS |
| Chloroform | NS | NS | NS | NS |
| Chloromethane | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | NS | NS | NS | NS |
| Dibromochloromethane | NS | NS | NS | NS |
| Dibromomethane | NS | NS | NS | NS |
| Ethyl Methacrylate | NS | NS | NS | NS |
| Ethylbenzene | NS | NS | NS | NS |
| Freon 12 | NS | NS | NS | NS |
| Hexachlorobutadiene | NS | NS | NS | NS |
| Iodomethane | NS | NS | NS | NS |
| Isobutanol | NS | NS | NS | NS |
| Isopropylbenzene | NS | NS | NS | NS |
| m&p-Xylene | NS | NS | NS | NS |
| Methacrylonitrile | NS | NS | NS | NS |
| Methyl Methacrylate | NS | NS | NS | NS |
| Methylene Chloride | NS | NS | NS | NS |
| Naphthalene | NS | NS | NS | NS |
| n-Butylbenzene | NS | NS | NS | NS |
| n-Propylbenzene | NS | NS | NS | NS |
| o-Xylene | NS | NS | NS | NS |
| p-Isopropyltoluene | NS | NS | NS | NS |
| Propionitrile | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | F41 | G38 | G38 | H35 |
| Sample ID: | 2S-BH000598-0-0000 | 2S-BH000594-0-0000 | 2S-BH000594-0-0010 | 2S-BH000595-0-0000 |
| Sample Depth(Feet): | 0-1 | 0-1 | 1-6 | 0-1 |
| Parameter Date Collected: | 04/24/02 | 04/23/02 | 04/23/02 | 04/23/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NS | NS |
| Styrene | NS | NS | NS | NS |
| tert-Butylbenzene | NS | NS | NS | NS |
| Tetrachloroethene | NS | NS | NS | NS |
| Tetrahydrofuran | NS | NS | NS | NS |
| Toluene | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NS |
| Trichloroethene | NS | NS | NS | NS |
| Trichlorofluoromethane | NS | NS | NS | NS |
| Vinyl Acetate | NS | NS | NS | NS |
| Vinyl Chloride | NS | NS | NS | NS |
| Xylenes (total) | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 1,2-Dichlorobenzene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 1,3,5-Trinitrobenzene | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 1,3-Dinitrobenzene | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 1,4-Naphthoquinone | NA | NA | NA | NA |
| 1-Naphthylamine | NA | NA | NA | NA |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 2,4,6-Trichlorophenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2,4-Dichlorophenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2,4-Dimethylphenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2,4-Dinitrophenol | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 2,4-Dinitrotoluene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2,6-Dichlorophenol | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2-Acetylaminofluorene | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2-Chlorophenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2-Methylnaphthalene | ND(0.36) | ND(1.7) | 0.93 J | ND(0.36) |
| 2-Methylphenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2-Naphthylamine | NA | NA | NA | NA |
| 2-Nitroaniline | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 2-Nitrophenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 2-Picoline | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 3,3'-Dimethylbenzidine | NA | NA | NA | NA |
| 3-Methylcholanthrene | NA | NA | NA | NA |
| 3-Nitroaniline | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 4,6-Dinitro-2-methylphenol | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 4-Aminobiphenyl | NA | NA | NA | NA |
| 4-Bromophenyl-phenylether | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 4-Chloro-3-Methylphenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 4-Chloroaniline | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 4-Chlorobenzilate | NA | NA | NA | NA |
| 4-Chlorophenyl-phenylether | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 4-Methylphenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| 4-Nitroaniline | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 4-Nitrophenol | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| 4-Nitroquinoline-1-oxide | NA | NA | NA | NA |
| 4-Phenylenediamine | NA | NA | NA | NA |
| 5-Nitro o-toluidine | NA | NA | NA | NA |
| 7,12-Dimethylbenz(a)anthracene | NA | NA | NA | NA |
| a,a'-Dimethylphenethylamine | NA | NA | NA | NA |
| Acenaphthene | 0.040 J | ND(1.7) | 2.4 J | ND(0.36) |
| Acenaphthylene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Acetophenone | NA | NA | NA | NA |
| Aniline | NA | NA | NA | NA |
| Anthracene | 0.076 J | ND(1.7) | 4.6 | ND(0.36) |
| Aramite | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | F41 | G38 | G38 | H35 |
| Sample ID: | 2S-BH000598-0-0000 | 2S-BH000594-0-0000 | 2S-BH000594-0-0010 | 2S-BH000595-0-0000 |
| Sample Depth(Feet): | 0-1 | 0-1 | 1-6 | 0-1 |
| Parameter / Date Collected: | 04/24/02 | 04/23/02 | 04/23/02 | 04/23/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | NA | NA | NA |
| Benzo(a)anthracene | 0.26 J | ND(1.7) | 9.2 | ND(0.36) |
| Benzo(a)pyrene | 0.19 J | ND(1.7) | 7.0 | ND(0.36) |
| Benzo(b)fluoranthene | 0.24 J | ND(1.7) | 5.6 | ND(0.36) |
| Benzo(g,h,i)perylene | 0.039 J | ND(1.7) | 2.7 J | ND(0.36) |
| Benzo(k)fluoranthene | 0.21 J | ND(1.7) | 6.5 | ND(0.36) |
| Benzyl Alcohol | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| bis(2-Chloroethyl)ether | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| bis(2-Chloroisopropyl)ether | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| bis(2-Ethylhexyl)adipate | 0.89 | 0.67 J | 1.2 J | 0.42 |
| bis(2-Ethylhexyl)phthalate | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Butylbenzylphthalate | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Carbazole | 0.052 J | ND(1.7) | 2.1 J | ND(0.36) |
| Chrysene | 0.29 J | 0.19 J | 9.5 | ND(0.36) |
| Diallate | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | 0.073 J | ND(1.7) | 1.6 J | ND(0.36) |
| Dibenzofuran | ND(0.36) | ND(1.7) | 1.6 J | ND(0.36) |
| Diethylphthalate | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Dimethylphthalate | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Di-n-Butylphthalate | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Di-n-Octylphthalate | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Ethyl Methanesulfonate | NA | NA | NA | NA |
| Fluoranthene | 0.55 | 0.31 J | 19 | 0.064 J |
| Fluorene | 0.040 J | ND(1.7) | 3.0 J | ND(0.36) |
| Hexachlorobenzene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Hexachlorobutadiene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Hexachlorocyclopentadiene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Hexachloroethane | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Hexachloropropene | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 0.15 J | ND(1.7) | 3.4 J | ND(0.36) |
| Isophorone | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Isosafrole | NA | NA | NA | NA |
| Methapyrilene | NA | NA | NA | NA |
| Methyl Methanesulfonate | NA | NA | NA | NA |
| Naphthalene | ND(0.36) | 0.20 J | 1.0 J | ND(0.36) |
| Nitrobenzene | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| N-Nitrosodiethylamine | NA | NA | NA | NA |
| N-Nitrosodimethylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-butylamine | NA | NA | NA | NA |
| N-Nitroso-di-n-propylamine | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| N-Nitrosodiphenylamine | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| N-Nitrosomethylethylamine | NA | NA | NA | NA |
| N-Nitrosomorpholine | NA | NA | NA | NA |
| N-Nitrosopiperidine | NA | NA | NA | NA |
| N-Nitrosopyrrolidine | NA | NA | NA | NA |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | NA | NA | NA |
| p-Dimethylaminoazobenzene | NA | NA | NA | NA |
| Pentachlorobenzene | NA | NA | NA | NA |
| Pentachloroethane | NA | NA | NA | NA |
| Pentachloronitrobenzene | NA | NA | NA | NA |
| Pentachlorophenol | ND(0.90) | ND(4.3) | ND(9.3) | ND(0.91) |
| Phenacetin | NA | NA | NA | NA |
| Phenanthrene | 0.43 | 0.25 J | 24 | 0.038 J |
| Phenol | ND(0.36) | ND(1.7) | ND(3.7) | ND(0.36) |
| Pronamide | NA | NA | NA | NA |
| Pyrene | 0.49 | 0.30 J | 18 | 0.060 J |
| Pyridine | NA | NA | NA | NA |
| Safrole | NA | NA | NA | NA |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|
| Location ID: | F41 | G38 | G38 | H35 |
| Sample ID: | 2S-BH000598-0-0000 | 2S-BH000594-0-0000 | 2S-BH000594-0-0010 | 2S-BH000595-0-0000 |
| Sample Depth(Feet): | 0-1 | 0-1 | 1-6 | 0-1 |
| Parameter Date Collected: | 04/24/02 | 04/23/02 | 04/23/02 | 04/23/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | NS | NS | NS |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | 0.000017 | 0.000017 | 0.000038 |
| TCDFs (total) | NS | 0.000094 | 0.000088 | 0.00023 |
| 1,2,3,7,8-PeCDF | NS | 0.0000070 | 0.0000087 J | 0.000014 |
| 2,3,4,7,8-PeCDF | NS | 0.000017 | 0.000023 | 0.000016 |
| PeCDFs (total) | NS | 0.00016 | 0.00018 J | 0.00016 |
| 1,2,3,4,7,8-HxCDF | NS | 0.000065 | 0.000069 | 0.000013 |
| 1,2,3,6,7,8-HxCDF | NS | 0.000012 | 0.000013 | 0.0000086 |
| 1,2,3,7,8,9-HxCDF | NS | 0.0000091 | 0.000012 | 0.0000021 J |
| 2,3,4,6,7,8-HxCDF | NS | 0.000018 | 0.000017 | 0.0000099 |
| HxCDFs (total) | NS | 0.00030 | 0.00029 | 0.00013 |
| 1,2,3,4,6,7,8-HpCDF | NS | 0.000094 | 0.000089 | 0.000017 |
| 1,2,3,4,7,8,9-HpCDF | NS | 0.000038 | 0.000035 | 0.0000024 |
| HpCDFs (total) | NS | 0.00024 | 0.00023 | 0.000033 |
| OCDF | NS | 0.00021 | 0.00021 | 0.000012 |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | 0.00000072 | 0.00000067 | 0.00000034 J |
| TCDDs (total) | NS | 0.0000074 | 0.000017 | 0.0000045 |
| 1,2,3,7,8-PeCDD | NS | 0.0000036 | 0.0000031 | 0.00000059 |
| PeCDDs (total) | NS | 0.000031 | 0.000040 J | 0.0000046 |
| 1,2,3,4,7,8-HxCDD | NS | 0.0000041 | 0.0000035 | 0.00000047 J |
| 1,2,3,6,7,8-HxCDD | NS | 0.0000070 | 0.0000060 | 0.00000066 |
| 1,2,3,7,8,9-HxCDD | NS | 0.0000043 | 0.0000036 | 0.00000054 |
| HxCDDs (total) | NS | 0.000080 | 0.000075 | 0.0000062 |
| 1,2,3,4,6,7,8-HpCDD | NS | 0.000049 | 0.000039 | 0.0000052 |
| HpCDDs (total) | NS | 0.000093 | 0.000078 | 0.000011 |
| OCDD | NS | 0.00034 | 0.00038 | 0.000031 |
| Total TEQs (WHO TEFs) | NS | 0.000029 | 0.000031 | 0.000017 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|
| | Location ID: | F41 | G38 | G38 | H35 |
| | Sample ID: | 2S-BH000598-0-0000 | 2S-BH000594-0-0000 | 2S-BH000594-0-0010 | 2S-BH000595-0-0000 |
| | Sample Depth(Feet): | 0-1 | 0-1 | 1-6 | 0-1 |
| | Date Collected: | 04/24/02 | 04/23/02 | 04/23/02 | 04/23/02 |
| **Inorganics** | | | | | |
| Antimony | | NS | NS | NS | NS |
| Arsenic | | NS | NS | NS | NS |
| Barium | | NS | NS | NS | NS |
| Beryllium | | NS | NS | NS | NS |
| Cadmium | | NS | NS | NS | NS |
| Chromium | | NS | NS | NS | NS |
| Cobalt | | NS | NS | NS | NS |
| Copper | | NS | NS | NS | NS |
| Cyanide | | ND(0.520) | ND(0.510) | 0.570 | ND(0.530) |
| Lead | | NS | NS | NS | NS |
| Mercury | | NS | NS | NS | NS |
| Nickel | | NS | NS | NS | NS |
| Selenium | | NS | NS | NS | NS |
| Silver | | NS | NS | NS | NS |
| Sulfide | | R | ND(8.60) J | ND(8.20) J | ND(8.30) J |
| Thallium | | NS | NS | NS | NS |
| Tin | | NS | NS | NS | NS |
| Vanadium | | NS | NS | NS | NS |
| Zinc | | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|
| Location ID: | SL0005 | SL0009 | SL0033 | SL0394 | SL0399 | SL0412 |
| Sample ID: | 080598SB14 | 080598SB26 | 080698SB14 | 090198MS29 | 090298MS12 | 090398MS27 |
| Sample Depth(Feet): | 1-1.5 | 1-1.5 | 0-0.5 | 2-2.5 | 1-1.5 | 1-1.5 |
| Parameter / Date Collected: | 08/05/98 | 08/05/98 | 08/06/98 | 09/01/98 | 09/02/98 | 09/03/98 |
| **Volatile Organics** | | | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | NS | NS | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloroethane | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloroethene | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloropropene | NS | NS | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | NS | NS | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | NS | NS | NS |
| 1,2-Dibromoethane | NS | NS | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloroethane | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloropropane | NS | NS | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,3-Dichloropropane | NS | NS | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,4-Dioxane | NS | NS | NS | NS | NS | NS |
| 2,2-Dichloropropane | NS | NS | NS | NS | NS | NS |
| 2-Butanone | NS | NS | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NS | NS | NS |
| 2-Chloroethylvinylether | NS | NS | NS | NS | NS | NS |
| 2-Chlorotoluene | NS | NS | NS | NS | NS | NS |
| 2-Hexanone | NS | NS | NS | NS | NS | NS |
| 3-Chloropropene | NS | NS | NS | NS | NS | NS |
| 4-Chlorotoluene | NS | NS | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | NS | NS | NS | NS | NS | NS |
| Acetone | NS | NS | NS | NS | NS | NS |
| Acrolein | NS | NS | NS | NS | NS | NS |
| Acrylonitrile | NS | NS | NS | NS | NS | NS |
| Benzene | NS | NS | NS | NS | NS | NS |
| Bromobenzene | NS | NS | NS | NS | NS | NS |
| Bromochloromethane | NS | NS | NS | NS | NS | NS |
| Bromodichloromethane | NS | NS | NS | NS | NS | NS |
| Bromoform | NS | NS | NS | NS | NS | NS |
| Bromomethane | NS | NS | NS | NS | NS | NS |
| Carbon Disulfide | NS | NS | NS | NS | NS | NS |
| Carbon Tetrachloride | NS | NS | NS | NS | NS | NS |
| Chlorobenzene | NS | NS | NS | NS | NS | NS |
| Chloroethane | NS | NS | NS | NS | NS | NS |
| Chloroform | NS | NS | NS | NS | NS | NS |
| Chloromethane | NS | NS | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | NS | NS | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | NS | NS | NS | NS | NS | NS |
| Dibromochloromethane | NS | NS | NS | NS | NS | NS |
| Dibromomethane | NS | NS | NS | NS | NS | NS |
| Ethyl Methacrylate | NS | NS | NS | NS | NS | NS |
| Ethylbenzene | NS | NS | NS | NS | NS | NS |
| Freon 12 | NS | NS | NS | NS | NS | NS |
| Hexachlorobutadiene | NS | NS | NS | NS | NS | NS |
| Iodomethane | NS | NS | NS | NS | NS | NS |
| Isobutanol | NS | NS | NS | NS | NS | NS |
| Isopropylbenzene | NS | NS | NS | NS | NS | NS |
| m&p-Xylene | NS | NS | NS | NS | NS | NS |
| Methacrylonitrile | NS | NS | NS | NS | NS | NS |
| Methyl Methacrylate | NS | NS | NS | NS | NS | NS |
| Methylene Chloride | NS | NS | NS | NS | NS | NS |
| Naphthalene | NS | NS | NS | NS | NS | NS |
| n-Butylbenzene | NS | NS | NS | NS | NS | NS |
| n-Propylbenzene | NS | NS | NS | NS | NS | NS |
| o-Xylene | NS | NS | NS | NS | NS | NS |
| p-Isopropyltoluene | NS | NS | NS | NS | NS | NS |
| Propionitrile | NS | NS | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|
| Location ID: | SL0005 | SL0009 | SL0033 | SL0394 | SL0399 | SL0412 |
| Sample ID: | 080598SB14 | 080598SB26 | 080698SB14 | 090198MS29 | 090298MS12 | 090398MS27 |
| Sample Depth(Feet): | 1-1.5 | 1-1.5 | 0-0.5 | 2-2.5 | 1-1.5 | 1-1.5 |
| Parameter / Date Collected: | 08/05/98 | 08/05/98 | 08/06/98 | 09/01/98 | 09/02/98 | 09/03/98 |
| **Volatile Organics (continued)** | | | | | | |
| sec-Butylbenzene | NS | NS | NS | NS | NS | NS |
| Styrene | NS | NS | NS | NS | NS | NS |
| tert-Butylbenzene | NS | NS | NS | NS | NS | NS |
| Tetrachloroethene | NS | NS | NS | NS | NS | NS |
| Tetrahydrofuran | NS | NS | NS | NS | NS | NS |
| Toluene | NS | NS | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | NS | NS | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | NS | NS | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NS | NS | NS |
| Trichloroethene | NS | NS | NS | NS | NS | NS |
| Trichlorofluoromethane | NS | NS | NS | NS | NS | NS |
| Vinyl Acetate | NS | NS | NS | NS | NS | NS |
| Vinyl Chloride | NS | NS | NS | NS | NS | NS |
| Xylenes (total) | NS | NS | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1,2,4-Trichlorobenzene | 0.13 J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [0.037 J] | 0.067 J |
| 1,2-Dichlorobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1,3,5-Trinitrobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1,3-Dichlorobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1,3-Dinitrobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1,4-Dichlorobenzene | 0.064 J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1,4-Naphthoquinone | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 1-Naphthylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,3,4,6-Tetrachlorophenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,4,5-Trichlorophenol | ND(0.98) J | ND(3.7) J | ND(0.89) J | ND(0.95) | ND(0.87) [ND(0.88)] | ND(0.88) |
| 2,4,6-Trichlorophenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) J | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,4-Dichlorophenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,4-Dimethylphenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) J | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,4-Dinitrophenol | ND(0.98) J | ND(3.7) J | ND(0.89) J | R | ND(0.87) [ND(0.88)] | ND(0.88) |
| 2,4-Dinitrotoluene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,6-Dichlorophenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2,6-Dinitrotoluene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Acetylaminofluorene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Chloronaphthalene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) J | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Chlorophenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Methylnaphthalene | 0.18 J | 0.67 J | ND(0.35) J | ND(0.38) J | ND(0.35) [ND(0.35)] | 0.14 J |
| 2-Methylphenol | 0.083 J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Naphthylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Nitroaniline | ND(0.98) J | ND(3.7) J | ND(0.89) J | ND(0.95) | ND(0.87) [ND(0.88)] | ND(0.88) |
| 2-Nitrophenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 2-Picoline | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 3,3'-Dichlorobenzidine | R | R | R | R | ND(0.35) [ND(0.35)] | ND(0.35) |
| 3,3'-Dimethylbenzidine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 3-Methylcholanthrene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 3-Nitroaniline | ND(0.98) J | ND(3.7) J | ND(0.89) J | R | ND(0.87) [ND(0.88)] | ND(0.88) |
| 4,6-Dinitro-2-methylphenol | ND(0.98) J | ND(3.7) J | ND(0.89) J | ND(0.95) | ND(0.87) [ND(0.88)] | ND(0.88) |
| 4-Aminobiphenyl | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Bromophenyl-phenylether | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Chloro-3-Methylphenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Chloroaniline | R | R | R | R | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Chlorobenzilate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Chlorophenyl-phenylether | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Methylphenol | 0.079 J | 0.19 J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Nitroaniline | ND(0.98) J | ND(3.7) J | ND(0.89) J | R | ND(0.87) [ND(0.88)] | ND(0.88) |
| 4-Nitrophenol | ND(0.98) J | ND(3.7) J | ND(0.89) J | ND(0.95) | ND(0.87) [ND(0.88)] | ND(0.88) |
| 4-Nitroquinoline-1-oxide | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) J | ND(0.35) [ND(0.35)] | ND(0.35) |
| 4-Phenylenediamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) J | ND(0.35) J [ND(0.35) J] | ND(0.35) J |
| 5-Nitro-o-toluidine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| a,a'-Dimethylphenethylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Acenaphthene | 0.069 J | 0.61 J | ND(0.35) J | ND(0.38) | 0.071 J [ND(0.35)] | 0.051 J |
| Acenaphthylene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | 0.044 J [0.042 J] | 0.051 J |
| Acetophenone | 0.16 J | 0.24 J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | 0.16 J |
| Aniline | R | R | R | R | ND(0.87) [ND(0.88)] | ND(0.88) |
| Anthracene | 0.15 J | 3.6 | ND(0.35) J | ND(0.38) | 0.11 J [0.082 J] | 0.20 J |
| Aramite | R | R | R | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|
| Location ID: | SL0005 | SL0009 | SL0033 | SL0394 | SL0399 | SL0412 |
| Sample ID: | 080598SB14 | 080598SB26 | 080698SB14 | 090198MS29 | 090298MS12 | 090398MS27 |
| Sample Depth(Feet): | 1-1.5 | 1-1.5 | 0-0.5 | 2-2.5 | 1-1.5 | 1-1.5 |
| Parameter / Date Collected: | 08/05/98 | 08/05/98 | 08/06/98 | 09/01/98 | 09/02/98 | 09/03/98 |
| **Semivolatile Organics (continued)** | | | | | | |
| Azobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Benzo(a)anthracene | 0.60 J | 6.2 J | 0.034 J | ND(0.38) | 0.53 [0.44] | 0.70 |
| Benzo(a)pyrene | 0.57 J | 5.1 J | 0.039 J | ND(0.38) | 0.58 [0.47] | 0.72 |
| Benzo(b)fluoranthene | 0.62 J | 4.2 J | 0.044 J | ND(0.38) | 0.47 [0.41] | 0.64 |
| Benzo(g,h,i)perylene | 0.43 J | 2.7 J | 0.036 J | ND(0.38) | 0.44 [0.33 J] | 0.52 |
| Benzo(k)fluoranthene | 0.52 J | 4.5 J | 0.040 J | ND(0.38) | 0.54 [0.40] | 0.59 J |
| Benzyl Alcohol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| bis(2-Chloroethoxy)methane | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| bis(2-Chloroethyl)ether | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| bis(2-Chloroisopropyl)ether | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| bis(2-Ethylhexyl)adipate | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Butylbenzylphthalate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Carbazole | NA | NA | NA | NA | NA | NA |
| Chrysene | 0.74 J | 5.8 J | 0.055 J | ND(0.38) | 0.63 [0.54] | 0.83 |
| Dialiate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Dibenzo(a,h)anthracene | 0.12 J | 0.98 J | ND(0.35) J | ND(0.38) | 0.15 J [0.12 J] | 0.16 J |
| Dibenzofuran | 0.13 J | 1.1 J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | 0.23 J |
| Diethylphthalate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Dimethylphthalate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Di-n-Butylphthalate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | 0.075 J |
| Di-n-Octylphthalate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Ethyl Methanesulfonate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Fluoranthene | ND(1.2) J | 14 | 0.088 J | ND(0.38) | 1.4 [1.0] | 1.9 J |
| Fluorene | 0.074 J | 0.85 J | ND(0.35) J | ND(0.38) | 0.078 J [0.050 J] | 0.098 J |
| Hexachlorobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Hexachlorobutadiene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Hexachlorocyclopentadiene | R | R | R | R | ND(0.35) [ND(0.35)] | ND(0.35) J |
| Hexachloroethane | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Hexachloropropene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Indeno(1,2,3-cd)pyrene | 0.41 J | 3.0 J | 0.034 J | ND(0.38) | 0.40 [0.36] | 0.46 J |
| Isophorone | 0.50 J | 0.54 J | 0.095 J | 0.49 | ND(0.35) [0.14 J] | 1.0 J |
| Isosafrole | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Methapyrilene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Methyl Methanesulfonate | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Naphthalene | 0.32 J | 1.2 J | ND(0.35) | ND(0.38) | 0.036 J [0.097 J] | 0.54 |
| Nitrobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosodiethylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosodimethylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitroso-di-n-butylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitroso-di-n-propylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosodiphenylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosomethylethylamine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosomorpholine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosopiperidine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| N-Nitrosopyrrolidine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| o,o,o-Triethylphosphorothioate | ND(0.028) | ND(0.030) | NA | NA | NA | NA |
| o-Toluidine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| p-Dimethylaminoazobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Pentachlorobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | 0.10 J [ND(0.35)] | ND(0.35) |
| Pentachloroethane | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Pentachloronitrobenzene | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Pentachlorophenol | ND(0.98) J | ND(3.7) J | ND(0.89) J | ND(0.95) | ND(0.87) [ND(0.88)] | 0.88 J |
| Phenacetin | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Phenanthrene | ND(0.99) J | ND(14) J | 0.057 J | ND(0.38) | 0.92 [0.70] | 1.5 |
| Phenol | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Pronamide | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Pyrene | ND(1.1) J | 14 | 0.084 J | ND(0.38) | 1.3 [1.1] | 1.8 |
| Pyridine | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Safrole | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| Thionazin | ND(0.028) | ND(0.030) | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|
| Location ID: | SL0005 | SL0009 | SL0033 | SL0394 | SL0399 | SL0412 |
| Sample ID: | 080598SB14 | 080598SB26 | 080698SB14 | 090198MS29 | 090298MS12 | 090398MS27 |
| Sample Depth(Feet): | 1-1.5 | 1-1.5 | 0-0.5 | 2-2.5 | 1-1.5 | 1-1.5 |
| Parameter / Date Collected: | 08/05/98 | 08/05/98 | 08/05/98 | 09/01/98 | 09/02/98 | 09/03/98 |
| **Organochlorine Pesticides** | | | | | | |
| 4,4'-DDD | ND(0.40) | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | ND(0.036) |
| 4,4'-DDE | ND(0.40) | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | R |
| 4,4'-DDT | R | R | R | ND(0.0078) | R | R |
| Aldrin | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Alpha-BHC | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Alpha-Chlordane | NA | NA | NA | NA | NA | NA |
| Beta-BHC | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Delta-BHC | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Dieldrin | R | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | ND(0.036) |
| Endosulfan I | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Endosulfan II | ND(0.40) | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | ND(0.036) |
| Endosulfan Sulfate | ND(0.40) | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | ND(0.036) |
| Endrin | ND(0.40) | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | ND(0.036) |
| Endrin Aldehyde | ND(0.40) | ND(0.076) | ND(0.036) | ND(0.0078) | ND(0.36) [ND(0.36)] | ND(0.036) |
| Gamma-BHC (Lindane) | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Gamma-Chlordane | NA | NA | NA | NA | NA | NA |
| Heptachlor | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Heptachlor Epoxide | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Isodrin | ND(0.20) | ND(0.038) | ND(0.018) | ND(0.0039) | ND(0.18) [ND(0.18)] | ND(0.018) |
| Kepone | R | R | R | R | R | R |
| Methoxychlor | ND(2.0) | ND(0.38) | ND(0.18) | ND(0.039) | ND(1.8) [ND(1.8)] | ND(0.18) |
| Technical Chlordane | ND(2.0) | ND(0.38) | ND(0.18) | ND(0.039) | ND(1.8) [ND(1.8)] | ND(0.18) |
| Toxaphene | ND(20) | ND(3.8) | ND(1.8) | ND(0.39) | ND(18) [ND(18)] | ND(1.8) |
| **Organophosphate Pesticides** | | | | | | |
| Dimethoate | ND(0.028) | ND(0.030) | NS | NS | NS | NS |
| Disulfoton | ND(0.028) J | ND(0.030) J | NS | NS | NS | NS |
| Ethyl Parathion | ND(0.028) | ND(0.030) | NS | NS | NS | NS |
| Famphur | ND(0.028) | ND(0.030) | NS | NS | NS | NS |
| Methyl Parathion | ND(0.028) | ND(0.030) | NS | NS | NS | NS |
| Phorate | ND(0.028) | ND(0.030) | NS | NS | NS | NS |
| Sulfotep | ND(0.028) | ND(0.030) | NS | NS | NS | NS |
| **Herbicides** | | | | | | |
| 2,4,5-T | ND(0.0056) | ND(0.0053) | NS | NS | NS | NS |
| 2,4,5-TP | ND(0.0056) | ND(0.0053) | NS | NS | NS | NS |
| 2,4-D | ND(0.055) | ND(0.052) | NS | NS | NS | NS |
| Dinoseb | ND(0.39) J | ND(1.5) J | ND(0.35) J | ND(0.38) | ND(0.35) [ND(0.35)] | ND(0.35) |
| **Furans** | | | | | | |
| 2,3,7,8-TCDF | 0.000079 | 0.000050 | 0.000054 | 0.0000035 | 0.000021 [0.000018] | 0.000071 |
| TCDFs (total) | 0.0011 J | 0.00049 J | 0.00049 J | 0.000030 J | 0.00025 J [0.00033 J] | 0.00070 J |
| 1,2,3,7,8-PeCDF | 0.000026 | 0.000012 | 0.000016 | 0.0000013 | 0.0000075 [0.0000070] | 0.000018 |
| 2,3,4,7,8-PeCDF | 0.000039 | 0.000024 | 0.000019 | 0.0000017 | 0.000032 [0.000030] | 0.000031 |
| PeCDFs (total) | 0.0011 J | 0.00025 J | 0.00027 J | 0.000020 J | 0.00056 J [0.00076 J] | 0.00041 J |
| 1,2,3,4,7,8-HxCDF | 0.000059 | 0.000019 | 0.000016 | 0.0000015 | 0.000026 [0.000026] | 0.000016 |
| 1,2,3,6,7,8-HxCDF | 0.00013 | 0.0000093 | 0.000011 | 0.00000088 | 0.000021 [0.000021] | 0.000010 |
| 1,2,3,7,8,9-HxCDF | 0.0000081 | 0.0000041 | 0.0000017 | 0.00000027 J | 0.0000051 [0.0000048] | 0.0000022 |
| 2,3,4,6,7,8-HxCDF | 0.000029 | 0.000017 | 0.000014 | 0.0000010 J | 0.000028 [0.000027] | 0.000013 |
| HxCDFs (total) | 0.0013 J | 0.00032 J | 0.00021 J | 0.000013 J | 0.00089 J [0.0010 J] | 0.00026 J |
| 1,2,3,4,6,7,8-HpCDF | 0.00029 J | 0.000070 J | 0.000036 J | 0.0000029 J | 0.00073 J [0.00068 J] | 0.000039 J |
| 1,2,3,4,7,8,9-HpCDF | 0.000015 | 0.000048 | 0.0000020 | 0.00000028 J | 0.000018 [0.000018] | 0.0000034 |
| HpCDFs (total) | 0.00041 J | 0.00017 J | 0.000054 J | 0.0000052 J | 0.0015 J [0.0014 J] | 0.000066 J |
| OCDF | 0.00014 | 0.000067 | 0.000017 | 0.0000017 | 0.00076 [0.00078] | 0.000021 |
| **Dioxins** | | | | | | |
| 2,3,7,8-TCDD | 0.0000012 | 0.00000085 | 0.00000042 | ND(0.00000019) | 0.0000016 [0.0000015] | 0.00000053 |
| TCDDs (total) | 0.000034 | 0.000038 | 0.0000096 | 0.00000064 J | 0.000013 [0.000012] | 0.000018 |
| 1,2,3,7,8-PeCDD | 0.0000052 J | 0.0000020 J | 0.00000053 J | ND(0.00000030) J | 0.0000034 J [0.0000035 J] | 0.00000085 J |
| PeCDDs (total) | 0.000059 J | 0.000029 J | 0.0000087 J | ND(0.00000030) J | 0.000040 J [0.000039 J] | 0.000015 J |
| 1,2,3,4,7,8-HxCDD | 0.0000053 | 0.0000032 J | 0.00000052 J | ND(0.00000022) | 0.0000081 [0.0000078] | 0.00000094 |
| 1,2,3,6,7,8-HxCDD | 0.0000081 | 0.0000083 | 0.00000080 | ND(0.00000022) | 0.000044 [0.000044] | 0.0000015 |
| 1,2,3,7,8,9-HxCDD | 0.0000087 | 0.0000046 J | 0.00000063 J | ND(0.00000019) | 0.000015 [0.000017] | 0.0000015 |
| HxCDDs (total) | 0.00012 | 0.000082 | 0.0000097 | 0.00000098 J | 0.00030 [0.00030] | 0.000019 |
| 1,2,3,4,6,7,8-HpCDD | 0.000046 | 0.00010 | 0.0000056 | 0.00000091 | 0.0014 [0.0014] | 0.000014 |
| HpCDDs (total) | 0.00010 | 0.00023 | 0.000013 | 0.0000019 | 0.0025 [0.0027] | 0.000041 |
| OCDD | 0.00000 | 0.0083 | 0.000045 | 0.0000042 | 0.012 [0.013] | 0.00022 |
| Total TEQs (WHO TEFs) | 0.000063 | 0.000030 | 0.000022 | 0.0000019 | 0.000061 [0.000059] | 0.000030 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4D | 4D | 4D | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|
| | Location ID: | SL0005 | SL0009 | SL0033 | SL0394 | SL0399 | SL0412 |
| | Sample ID: | 080598SB14 | 080598SB26 | 080698SB14 | 090198MS29 | 090298MS12 | 090398MS27 |
| | Sample Depth(Feet): | 1-1.5 | 1-1.5 | 0-0.5 | 2-2.5 | 1-1.5 | 1-1.5 |
| | Date Collected: | 08/05/98 | 08/05/98 | 08/06/98 | 09/01/98 | 09/02/98 | 09/03/98 |
| Inorganics | | | | | | | |
| Antimony | | 3.90 J | 15.4 J | R | ND(1.00) J | ND(0.840) [ND(0.960)] | 3.70 |
| Arsenic | | 7.20 J | 12.4 J | 6.10 J | 10.4 | 4.20 [4.00] | 7.20 |
| Barium | | 84.7 J | 133 J | 24.2 J | 28.4 | ND(43.8) [ND(41.9)] | 46.1 |
| Beryllium | | 0.280 J | 0.270 J | 0.100 J | ND(0.220) | 0.280 [0.250] | ND(0.190) |
| Cadmium | | 0.940 J | 4.80 J | 0.130 J | 0.540 | 0.620 [0.630] | 1.00 |
| Chromium | | 37.6 | 85.2 | 6.00 | 12.3 | 21.0 [21.1] | 101 |
| Cobalt | | 10.9 J | 11.4 J | 9.10 J | 14.5 | 7.70 [7.80] | 9.40 |
| Copper | | 2550 J | 30300 J | 20.4 J | 43.7 | 35.8 [37.3] | 363 |
| Cyanide | | ND(0.580) | ND(0.550) | ND(0.530) | ND(0.620) | ND(0.560) [ND(0.560)] | 0.980 J |
| Lead | | 570 J | 1650 J | 10.9 J | 22.0 J | 50.9 J [54.0 J] | 163 |
| Mercury | | 1.90 | 1.60 | 0.200 J | ND(0.0200) J | 0.380 [0.540] | 0.440 |
| Nickel | | 35.2 J | 54.8 J | 12.8 J | 24.2 | 17.4 [16.7] | 60.3 |
| Selenium | | ND(0.320) J | ND(0.340) J | ND(0.280) J | 2.40 J | ND(0.320) [ND(0.360)] | 0.520 J |
| Silver | | 0.390 J | 2.60 J | ND(0.170) J | ND(0.230) | 0.460 [0.660] | ND(0.230) |
| Sulfide | | ND(5.80) J | ND(5.50) J | ND(5.30) J | ND(5.60) J | ND(5.20) [ND(5.20)] | 5.20 |
| Thallium | | ND(0.550) J | ND(0.580) J | ND(0.480) J | ND(0.660) J | ND(0.550) [ND(0.620)] | ND(0.660) |
| Tin | | 39.1 J | 1630 J | ND(0.380) J | 0.650 | ND(1.60) [ND(1.10)] | 52.6 |
| Vanadium | | 20.8 J | 32.8 J | 9.80 J | 11.7 | 22.4 J [22.0 J] | 31.9 |
| Zinc | | 1000 J | 3180 J | 50.1 J | 59.6 | 90.5 J [89.4 J] | 138 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | 60-4 | K29 | K30 | K31 |
| Sample ID: | 2S-BH000779-0-0010 | 2S-BH000680-0-0060 | 2S-BH000588-0-0000 | 2S-BH000736-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 6-15 |
| Parameter / Date Collected: | 07/17/02 | 05/29/02 | 04/22/02 | 04/17/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,1,1-Trichloroethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,1,2,2-Tetrachloroethane | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| 1,1,2-Trichloroethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,1-Dichloroethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,1-Dichloroethene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,1-Dichloropropene | NA | NS | NS | NA |
| 1,2,3-Trichlorobenzene | NA | NS | NS | NA |
| 1,2,3-Trichloropropane | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| 1,2,4-Trichlorobenzene | 0.031 [0.016] | NS | NS | ND(0.0050) J |
| 1,2,4-Trimethylbenzene | NA | NS | NS | NA |
| 1,2-Dibromo-3-chloropropane | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| 1,2-Dibromoethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,2-Dichlorobenzene | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| 1,2-Dichloroethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,2-Dichloroethene (total) | NA | NS | NS | NA |
| 1,2-Dichloropropane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 1,3,5-Trimethylbenzene | NA | NS | NS | NA |
| 1,3-Dichlorobenzene | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| 1,3-Dichloropropane | NA | NS | NS | NA |
| 1,4-Dichlorobenzene | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| 1,4-Dioxane | ND(0.33) [ND(0.34)] | NS | NS | R |
| 2,2-Dichloropropane | NA | NS | NS | NA |
| 2-Butanone | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 2-Chloro-1,3-butadiene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 2-Chloroethylvinylether | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 2-Chlorotoluene | NA | NS | NS | NA |
| 2-Hexanone | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 3-Chloropropene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| 4-Chlorotoluene | NA | NS | NS | NA |
| 4-Methyl-2-pentanone | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Acetone | 0.079 [0.055] | NS | NS | 0.16 J |
| Acrolein | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Acrylonitrile | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Benzene | 0.0013 J [ND(0.0069)] | NS | NS | R |
| Bromobenzene | NA | NS | NS | NA |
| Bromochloromethane | NA | NS | NS | NA |
| Bromodichloromethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Bromoform | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Bromomethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Carbon Disulfide | ND(0.0066) [ND(0.0069)] | NS | NS | 0.014 J |
| Carbon Tetrachloride | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Chlorobenzene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Chloroethane | ND(0.0066) [0.025] | NS | NS | R |
| Chloroform | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Chloromethane | ND(0.0066) [ND(0.0069)] | NS | NS | 0.18 J |
| cis-1,2-Dichloroethene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| cis-1,3-Dichloropropene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Dibromochloromethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Dibromomethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Ethyl Methacrylate | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Ethylbenzene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Freon 12 | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Hexachlorobutadiene | NA | NS | NS | NA |
| Iodomethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Isobutanol | ND(0.33) [ND(0.34)] | NS | NS | R |
| Isopropylbenzene | NA | NS | NS | NA |
| m&p-Xylene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Methacrylonitrile | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Methyl Methacrylate | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Methylene Chloride | 0.060 [0.0032 J] | NS | NS | R |
| Naphthalene | 0.0014 J [0.0024 J] | NS | NS | ND(0.0050) J |
| n-Butylbenzene | NA | NS | NS | NA |
| n-Propylbenzene | NA | NS | NS | NA |
| o-Xylene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| p-Isopropyltoluene | NA | NS | NS | NA |
| Propionitrile | ND(0.026) [ND(0.026)] | NS | NS | R |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | 60-4 | K29 | K30 | K31 |
| Sample ID: | 2S-BH000779-0-0010 | 2S-BH000680-0-0060 | 2S-BH000588-0-0000 | 2S-BH000736-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 6-15 |
| Parameter Date Collected: | 07/17/02 | 05/29/02 | 04/22/02 | 04/17/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NA | NS | NS | NA |
| Styrene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| tert-Butylbenzene | NA | NS | NS | NA |
| Tetrachloroethene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Tetrahydrofuran | NA | NS | NS | NA |
| Toluene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| trans-1,2-Dichloroethene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| trans-1,3-Dichloropropene | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| trans-1,4-Dichloro-2-butene | ND(0.0066) [ND(0.0069)] | NS | NS | ND(0.0050) J |
| Trichloroethene | 0.039 [0.024] | NS | NS | R |
| Trichlorofluoromethane | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Vinyl Acetate | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Vinyl Chloride | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| Xylenes (total) | ND(0.0066) [ND(0.0069)] | NS | NS | R |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | 0.38 J [0.42 J] | 10 J | NA | ND(0.35) |
| 1,2,4-Trichlorobenzene | 3.7 [4.2] | 72 | ND(3.7) | ND(0.35) |
| 1,2-Dichlorobenzene | ND(0.53) [ND(0.56)] | 3.1 J | ND(3.7) | ND(0.35) |
| 1,3,5-Trinitrobenzene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 1,3-Dichlorobenzene | ND(0.53) [0.028 J] | 7.5 J | ND(3.7) | ND(0.35) |
| 1,3-Dinitrobenzene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 1,4-Dichlorobenzene | 0.12 J [0.14 J] | 110 | ND(3.7) | ND(0.35) |
| 1,4-Naphthoquinone | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 1-Naphthylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 2,3,4,6-Tetrachlorophenol | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 2,4,5-Trichlorophenol | ND(1.3) [ND(1.4)] | ND(0.96) J | ND(9.3) | ND(0.88) |
| 2,4,6-Trichlorophenol | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2,4-Dichlorophenol | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2,4-Dimethylphenol | 0.033 J [0.044 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2,4-Dinitrophenol | ND(1.3) [ND(1.4)] | ND(0.96) | ND(9.3) | ND(0.88) |
| 2,4-Dinitrotoluene | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2,6-Dichlorophenol | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 2,6-Dinitrotoluene | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2-Acetylaminofluorene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 2-Chloronaphthalene | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2-Chlorophenol | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2-Methylnaphthalene | 0.077 J [0.082 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2-Methylphenol | 0.028 J [0.032 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2-Naphthylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 2-Nitroaniline | ND(1.3) [ND(1.4)] | ND(0.96) | ND(9.3) | ND(0.88) |
| 2-Nitrophenol | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 2-Picoline | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 3,3'-Dichlorobenzidine | ND(0.53) [ND(0.56)] | R | ND(3.7) | ND(0.35) |
| 3,3'-Dimethylbenzidine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 3-Methylcholanthrene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 3-Nitroaniline | ND(1.3) [ND(1.4)] | ND(0.96) J | ND(9.3) | ND(0.88) |
| 4,6-Dinitro-2-methylphenol | ND(1.3) [ND(1.4)] | ND(0.96) | ND(9.3) | ND(0.88) |
| 4-Aminobiphenyl | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) J |
| 4-Bromophenyl-phenylether | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 4-Chloro-3-Methylphenol | ND(0.53) [ND(0.56)] | ND(0.38) J | ND(3.7) | ND(0.35) |
| 4-Chloroaniline | ND(0.53) [ND(0.56)] | R | ND(3.7) | ND(0.35) |
| 4-Chlorobenzilate | ND(0.53) [ND(0.56)] | ND(0.38) J | NA | ND(0.35) |
| 4-Chlorophenyl-phenylether | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| 4-Methylphenol | 0.042 J [0.053 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| 4-Nitroaniline | ND(1.3) [ND(1.4)] | ND(0.96) J | ND(9.3) | ND(0.88) J |
| 4-Nitrophenol | ND(1.3) [ND(1.4)] | ND(0.96) | ND(9.3) | ND(0.88) J |
| 4-Nitroquinoline-1-oxide | ND(0.53) [ND(0.56)] | R | NA | ND(0.35) J |
| 4-Phenylenediamine | ND(0.53) [ND(0.56)] | R | NA | ND(0.35) |
| 5-Nitro-o-toluidine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| a,a'-Dimethylphenethylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Acenaphthene | 0.051 J [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Acenaphthylene | 0.10 J [0.098 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| Acetophenone | ND(0.53) [ND(0.56)] | ND(19) | NA | ND(0.35) |
| Aniline | 0.30 J [0.29 J] | R | NA | ND(0.38) |
| Anthracene | 0.24 J [0.22 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| Aramite | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | 60-4 | K29 | K30 | K31 |
| Sample ID: | 2S-BH000779-0-0010 | 2S-BH000680-0-0060 | 2S-BH000588-0-0000 | 2S-BH000736-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 6-15 |
| Parameter / Date Collected: | 07/17/02 | 05/29/02 | 04/22/02 | 04/17/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Benzo(a)anthracene | 1.8 [1.6] | ND(0.38) | 0.78 J | ND(0.35) |
| Benzo(a)pyrene | 2.1 [2.0] | ND(0.38) | 0.92 J | ND(0.35) |
| Benzo(b)fluoranthene | 2.1 [2.4] | ND(0.38) | 0.92 J | ND(0.35) |
| Benzo(g,h,i)perylene | 0.86 [0.80] | ND(0.38) | 0.54 J | ND(0.35) |
| Benzo(k)fluoranthene | 1.8 [1.7] | ND(0.38) | 1.2 J | ND(0.35) |
| Benzyl Alcohol | ND(0.53) [ND(0.56)] | ND(0.38) J | NA | ND(0.35) J |
| bis(2-Chloroethoxy)methane | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| bis(2-Chloroethyl)ether | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| bis(2-Chloroisopropyl)ether | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| bis(2-Ethylhexyl)adipate | NA | NA | 1.1 J | NA |
| bis(2-Ethylhexyl)phthalate | 0.031 J [0.031 J] | 0.42 J | ND(3.7) | ND(0.35) |
| Butylbenzylphthalate | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Carbazole | NA | NA | ND(3.7) | NA |
| Chrysene | 2.3 [2.1] | ND(0.38) | 1.1 J | ND(0.35) |
| Diallate | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Dibenzo(a,h)anthracene | 0.30 J [0.35 J] | ND(0.38) | ND(3.7) | ND(0.35) J |
| Dibenzofuran | 0.062 J [0.064 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| Diethylphthalate | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Dimethylphthalate | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Di-n-Butylphthalate | 1.9 [2.0] | ND(0.38) | ND(3.7) | ND(0.35) |
| Di-n-Octylphthalate | ND(0.53) [ND(0.56)] | 0.28 J | ND(3.7) | ND(0.35) |
| Ethyl Methanesulfonate | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Fluoranthene | 2.2 [2.0] | ND(0.38) | 2.0 J | ND(0.35) |
| Fluorene | 0.046 J [0.037 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| Hexachlorobenzene | 0.041 J [0.057 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| Hexachlorobutadiene | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Hexachlorocyclopentadiene | ND(0.53) [ND(0.56)] | R | ND(3.7) | ND(0.35) |
| Hexachloroethane | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Hexachloropropene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Indeno(1,2,3-cd)pyrene | 0.78 [0.74] | ND(0.38) | 0.69 J | ND(0.35) |
| Isophorone | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| Isosafrole | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Methapyrilene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Methyl Methanesulfonate | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Naphthalene | 0.12 J [0.14 J] | 0.80 | ND(3.7) | ND(0.35) |
| Nitrobenzene | ND(0.53) [0.030 J] | ND(0.38) | ND(3.7) | ND(0.35) |
| N-Nitrosodiethylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| N-Nitrosodimethylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| N-Nitroso-di-n-butylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| N-Nitroso-di-n-propylamine | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| N-Nitrosodiphenylamine | ND(0.53) [ND(0.56)] | ND(0.38) | ND(3.7) | ND(0.35) |
| N-Nitrosomethylethylamine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| N-Nitrosomorpholine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| N-Nitrosopiperidine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| N-Nitrosopyrrolidine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| p-Dimethylaminoazobenzene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Pentachlorobenzene | 0.77 [1.3] | 16 J | NA | ND(0.35) |
| Pentachloroethane | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Pentachloronitrobenzene | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Pentachlorophenol | ND(1.3) [ND(1.4)] | ND(0.96) | R | ND(0.88) |
| Phenacetin | ND(0.53) [0.041 J] | ND(0.38) | NA | ND(0.35) |
| Phenanthrene | 1.1 [0.94] | ND(0.38) | 0.64 J | ND(0.35) |
| Phenol | ND(0.53) [ND(0.56)] | 67 J | ND(3.7) | ND(0.35) |
| Pronamide | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Pyrene | 2.1 [1.8] | ND(0.38) | 1.8 J | ND(0.35) |
| Pyridine | ND(0.53) [ND(0.56)] | ND(0.38) | NA | ND(0.35) |
| Safrole | ND(0.53) [ND(0.56)] | ND(19) J | NA | R |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | 60-4 | K29 | K30 | K31 |
| Sample ID: | 2S-BH000779-0-0010 | 2S-BH000680-0-0060 | 2S-BH000588-0-0000 | 2S-BH000736-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 6-15 |
| Parameter / Date Collected: | 07/17/02 | 05/29/02 | 04/22/02 | 04/17/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | ND(0.53) [ND(0.56)] | ND(0.38) | NS | ND(0.35) |
| **Furans** | | | | |
| 2,3,7,8-TCDF | NS | NS | NS | NS |
| TCDFs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDF | NS | NS | NS | NS |
| 2,3,4,7,8-PeCDF | NS | NS | NS | NS |
| PeCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | NS | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | NS | NS | NS | NS |
| HxCDFs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | NS | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | NS | NS | NS | NS |
| HpCDFs (total) | NS | NS | NS | NS |
| OCDF | NS | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | NS | NS | NS | NS |
| TCDDs (total) | NS | NS | NS | NS |
| 1,2,3,7,8-PeCDD | NS | NS | NS | NS |
| PeCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | NS | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | NS | NS | NS | NS |
| HxCDDs (total) | NS | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | NS | NS | NS | NS |
| HpCDDs (total) | NS | NS | NS | NS |
| OCDD | NS | NS | NS | NS |
| Total TEQs (WHO TEFs) | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | 60-4 | K29 | K30 | K31 |
| Sample ID: | 2S-BH000779-0-0010 | 2S-BH000680-0-0060 | 2S-BH000588-0-0000 | 2S-BH000736-0-0060 |
| Sample Depth(Feet): | 1-6 | 6-15 | 0-1 | 6-15 |
| Parameter / Date Collected: | 07/17/02 | 05/29/02 | 04/22/02 | 04/17/02 |
| **Inorganics** | | | | |
| Antimony | 1.40 [3.00] | ND(0.400) | NS | ND(0.180) |
| Arsenic | 5.50 [9.90] | 2.10 | NS | 12.1 |
| Barium | 97.5 [200] | 9.60 J | NS | 22.1 |
| Beryllium | 0.160 [0.240] | 0.100 J | NS | 0.200 J |
| Cadmium | 1.10 [2.60] | ND(0.190) | NS | 0.240 J |
| Chromium | 20.5 [28.7] | 6.50 | NS | 14.3 |
| Cobalt | 2.80 [4.20] | 6.30 | NS | 12.2 |
| Copper | 600 [1380] | 26.2 | NS | 37.6 |
| Cyanide | ND(0.620) [ND(0.660)] | ND(0.560) | ND(0.530) | ND(0.490) |
| Lead | 341 [2090] | 7.90 J | NS | 8.90 J |
| Mercury | 1.20 [1.10] | ND(0.0190) | NS | ND(0.0100) |
| Nickel | 68.0 [71.0] | 15.5 | NS | 24.9 |
| Selenium | ND(0.280) [ND(0.310)] | ND(0.630) | NS | ND(0.200) |
| Silver | 2.00 [2.90] | ND(0.200) | NS | 0.160 J |
| Sulfide | ND(10.2) [ND(10.7)] | ND(8.60) J | ND(9.00) J | ND(8.50) J |
| Thallium | ND(0.210) [ND(0.220)] | ND(0.350) | NS | ND(0.590) |
| Tin | 47.6 [96.6] | 0.380 J | NS | ND(0.290) |
| Vanadium | 6.80 [9.20] | 5.00 J | NS | 7.80 |
| Zinc | 435 [973] | 46.4 | NS | 78.9 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | M30 | O15 | O19 | O25 |
| Sample ID: | 2S-BH000589-0-0000 | 2S-BH000732-0-0060 | 2S-BH000745-0-0060 | 2S-BH000730-0-0060 |
| Sample Depth(Feet): | 0-1 | 6-15 | 6-15 | 6-15 |
| Parameter / Date Collected: | 04/22/02 | 06/14/02 | 06/26/02 | 06/14/02 |
| **Volatile Organics** | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | ND(0.75) | NS |
| 1,1,1-Trichloroethane | NS | NS | ND(0.75) | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | ND(0.75) | NS |
| 1,1,2-Trichloroethane | NS | NS | ND(0.75) | NS |
| 1,1-Dichloroethane | NS | NS | ND(0.75) | NS |
| 1,1-Dichloroethene | NS | NS | ND(0.75) | NS |
| 1,1-Dichloropropene | NS | NS | NA | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NA | NS |
| 1,2,3-Trichloropropane | NS | NS | ND(0.75) | NS |
| 1,2,4-Trichlorobenzene | NS | NS | ND(0.75) J | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NA | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | ND(0.75) | NS |
| 1,2-Dibromoethane | NS | NS | ND(0.75) | NS |
| 1,2-Dichlorobenzene | NS | NS | ND(0.75) | NS |
| 1,2-Dichloroethane | NS | NS | ND(0.75) | NS |
| 1,2-Dichloroethene (total) | NS | NS | NA | NS |
| 1,2-Dichloropropane | NS | NS | ND(0.75) | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NA | NS |
| 1,3-Dichlorobenzene | NS | NS | ND(0.75) | NS |
| 1,3-Dichloropropane | NS | NS | NA | NS |
| 1,4-Dichlorobenzene | NS | NS | ND(0.75) | NS |
| 1,4-Dioxane | NS | NS | R | NS |
| 2,2-Dichloropropane | NS | NS | NA | NS |
| 2-Butanone | NS | NS | R | NS |
| 2-Chloro-1,3-butadiene | NS | NS | ND(0.75) | NS |
| 2-Chloroethylvinylether | NS | NS | ND(0.75) | NS |
| 2-Chlorotoluene | NS | NS | NA | NS |
| 2-Hexanone | NS | NS | ND(0.75) | NS |
| 3-Chloropropene | NS | NS | ND(0.75) | NS |
| 4-Chlorotoluene | NS | NS | NA | NS |
| 4-Methyl-2-pentanone | NS | NS | ND(0.75) | NS |
| Acetone | NS | NS | 0.50 J | NS |
| Acrolein | NS | NS | R | NS |
| Acrylonitrile | NS | NS | ND(0.75) | NS |
| Benzene | NS | NS | ND(0.75) | NS |
| Bromobenzene | NS | NS | NA | NS |
| Bromochloromethane | NS | NS | NA | NS |
| Bromodichloromethane | NS | NS | ND(0.75) | NS |
| Bromoform | NS | NS | ND(0.75) J | NS |
| Bromomethane | NS | NS | ND(0.75) | NS |
| Carbon Disulfide | NS | NS | 0.22 J | NS |
| Carbon Tetrachloride | NS | NS | ND(0.75) | NS |
| Chlorobenzene | NS | NS | ND(0.75) | NS |
| Chloroethane | NS | NS | ND(0.75) | NS |
| Chloroform | NS | NS | ND(0.75) | NS |
| Chloromethane | NS | NS | ND(0.75) J | NS |
| cis-1,2-Dichloroethene | NS | NS | ND(0.75) | NS |
| cis-1,3-Dichloropropene | NS | NS | ND(0.75) | NS |
| Dibromochloromethane | NS | NS | ND(0.75) | NS |
| Dibromomethane | NS | NS | ND(0.75) | NS |
| Ethyl Methacrylate | NS | NS | ND(0.75) | NS |
| Ethylbenzene | NS | NS | 0.20 J | NS |
| Freon 12 | NS | NS | ND(0.75) | NS |
| Hexachlorobutadiene | NS | NS | NA | NS |
| Iodomethane | NS | NS | ND(0.75) J | NS |
| Isobutanol | NS | NS | R | NS |
| Isopropylbenzene | NS | NS | NA | NS |
| m&p-Xylene | NS | NS | ND(0.75) | NS |
| Methacrylonitrile | NS | NS | ND(0.75) | NS |
| Methyl Methacrylate | NS | NS | ND(0.75) | NS |
| Methylene Chloride | NS | NS | ND(0.75) | NS |
| Naphthalene | NS | NS | 0.72 J | NS |
| n-Butylbenzene | NS | NS | NA | NS |
| n-Propylbenzene | NS | NS | NA | NS |
| o-Xylene | NS | NS | ND(0.75) | NS |
| p-Isopropyltoluene | NS | NS | NA | NS |
| Propionitrile | NS | NS | R | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | M30 | O15 | O19 | O25 |
| Sample ID: | 2S-BH000589-0-0000 | 2S-BH000732-0-0060 | 2S-BH000745-0-0060 | 2S-BH000730-0-0060 |
| Sample Depth(Feet): | 0-1 | 6-15 | 6-15 | 6-15 |
| Parameter / Date Collected: | 04/22/02 | 06/14/02 | 06/26/02 | 06/14/02 |
| **Volatile Organics (continued)** | | | | |
| sec-Butylbenzene | NS | NS | NA | NS |
| Styrene | NS | NS | ND(0.75) | NS |
| tert-Butylbenzene | NS | NS | NA | NS |
| Tetrachloroethene | NS | NS | ND(0.75) | NS |
| Tetrahydrofuran | NS | NS | NA | NS |
| Toluene | NS | NS | ND(0.75) | NS |
| trans-1,2-Dichloroethene | NS | NS | ND(0.75) | NS |
| trans-1,3-Dichloropropene | NS | NS | ND(0.75) | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | ND(0.75) J | NS |
| Trichloroethene | NS | NS | ND(0.75) | NS |
| Trichlorofluoromethane | NS | NS | ND(0.75) | NS |
| Vinyl Acetate | NS | NS | ND(0.75) | NS |
| Vinyl Chloride | NS | NS | ND(0.75) | NS |
| Xylenes (total) | NS | NS | ND(0.75) | NS |
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | NA | ND(4.5) | 0.26 J | ND(4.0) |
| 1,2,4-Trichlorobenzene | ND(0.36) | ND(4.5) | 6.0 | 3.0 J |
| 1,2-Dichlorobenzene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 1,3,5-Trinitrobenzene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 1,3-Dichlorobenzene | ND(0.36) | ND(4.5) | 0.44 J | 0.86 J |
| 1,3-Dinitrobenzene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 1,4-Dichlorobenzene | ND(0.36) | ND(4.5) | 0.65 J | 1.8 J |
| 1,4-Naphthoquinone | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 1-Naphthylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 2,3,4,6-Tetrachlorophenol | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 2,4,5-Trichlorophenol | ND(0.89) | ND(11) | ND(13) | ND(10) |
| 2,4,6-Trichlorophenol | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 2,4-Dichlorophenol | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 2,4-Dimethylphenol | ND(0.36) | 2.4 J | 1.2 J | ND(4.0) |
| 2,4-Dinitrophenol | ND(0.89) | ND(11) | ND(13) | ND(10) |
| 2,4-Dinitrotoluene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 2,6-Dichlorophenol | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 2,6-Dinitrotoluene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 2-Acetylaminofluorene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 2-Chloronaphthalene | ND(0.36) | 0.56 J | ND(5.1) | ND(4.0) |
| 2-Chlorophenol | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 2-Methylnaphthalene | ND(0.36) | 13 | 4.9 J | 0.30 J |
| 2-Methylphenol | ND(0.36) | 1.8 J | 0.42 J | ND(4.0) |
| 2-Naphthylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 2-Nitroaniline | ND(0.89) | ND(11) | ND(13) | ND(10) |
| 2-Nitrophenol | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 2-Picoline | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 3,3'-Dichlorobenzidine | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 3,3'-Dimethylbenzidine | NA | ND(4.5) | ND(5.1) J | ND(4.0) |
| 3-Methylcholanthrene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 3-Nitroaniline | ND(0.89) | ND(11) | ND(13) | ND(10) |
| 4,6-Dinitro-2-methylphenol | ND(0.89) | ND(11) | ND(13) | ND(10) |
| 4-Aminobiphenyl | NA | ND(4.5) J | ND(5.1) J | ND(4.0) J |
| 4-Bromophenyl-phenylether | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 4-Chloro-3-Methylphenol | ND(0.36) | ND(4.5) | ND(5.1) J | ND(4.0) |
| 4-Chloroaniline | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 4-Chlorobenzilate | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 4-Chlorophenyl-phenylether | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| 4-Methylphenol | ND(0.36) | 3.6 J | 2.4 J | ND(4.0) |
| 4-Nitroaniline | ND(0.89) | ND(11) J | ND(13) | ND(10) J |
| 4-Nitrophenol | ND(0.89) | ND(11) J | ND(13) | ND(10) J |
| 4-Nitroquinoline-1-oxide | NA | ND(4.5) J | ND(5.1) J | ND(4.0) J |
| 4-Phenylenediamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 5-Nitro-o-toluidine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| 7,12-Dimethylbenz(a)anthracene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| a,a'-Dimethylphenethylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Acenaphthene | ND(0.36) | 10 | 5.6 | 0.55 J |
| Acenaphthylene | ND(0.36) | 3.4 J | ND(5.1) | ND(4.0) |
| Acetophenone | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Aniline | NA | 1.2 J | ND(13) | ND(10) |
| Anthracene | ND(0.36) | 19 | 6.8 | ND(4.0) |
| Aramite | NA | ND(4.5) | ND(5.1) | ND(4.0) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | M30 | O15 | O19 | O25 |
| Sample ID: | 2S-BH000589-0-0000 | 2S-BH000732-0-0060 | 2S-BH000745-0-0080 | 2S-BH000730-0-0060 |
| Sample Depth(Feet): | 0-1 | 6-15 | 6-15 | 6-15 |
| Parameter Date Collected: | 04/22/02 | 06/14/02 | 06/26/02 | 06/14/02 |
| **Semivolatile Organics (continued)** | | | | |
| Azobenzene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Benzo(a)anthracene | 0.23 J | 43 | 11 | 0.38 J |
| Benzo(a)pyrene | 0.25 J | 27 | 11 | 0.34 J |
| Benzo(b)fluoranthene | 0.26 J | 34 | 11 | 0.40 J |
| Benzo(g,h,i)perylene | 0.14 J | 13 | 6.5 | 0.36 J |
| Benzo(k)fluoranthene | 0.26 J | 26 | 9.4 | 0.42 J |
| Benzyl Alcohol | NA | ND(4.5) J | ND(5.1) J | ND(4.0) J |
| bis(2-Chloroethoxy)methane | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| bis(2-Chloroethyl)ether | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| bis(2-Chloroisopropyl)ether | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| bis(2-Ethylhexyl)adipate | 0.17 J | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Butylbenzylphthalate | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Carbazole | ND(0.36) | NA | NA | NA |
| Chrysene | 0.27 J | 35 | 12 | 0.63 J |
| Diallate | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Dibenzo(a,h)anthracene | 0.072 J | 5.9 J | 2.2 J | ND(4.0) J |
| Dibenzofuran | ND(0.36) | 12 | 1.1 J | ND(4.0) |
| Diethylphthalate | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Dimethylphthalate | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Di-n-Butylphthalate | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Di-n-Octylphthalate | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Ethyl Methanesulfonate | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Fluoranthene | 0.49 | 81 | 17 | 0.40 J |
| Fluorene | ND(0.36) | 24 | 3.6 J | 0.44 J |
| Hexachlorobenzene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Hexachlorobutadiene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Hexachlorocyclopentadiene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Hexachloroethane | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Hexachloropropene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Indeno(1,2,3-cd)pyrene | 0.18 J | 13 | 5.4 | 0.22 J |
| Isophorone | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| Isosafrole | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Methapyrilene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Methyl Methanesulfonate | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Naphthalene | ND(0.36) | 14 | 6.6 | 1.8 J |
| Nitrobenzene | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosodiethylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosodimethylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitroso-di-n-butylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitroso-di-n-propylamine | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosodiphenylamine | ND(0.36) | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosomethylethylamine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosomorpholine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosopiperidine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| N-Nitrosopyrrolidine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA |
| o-Toluidine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| p-Dimethylaminoazobenzene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Pentachlorobenzene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Pentachloroethane | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Pentachloronitrobenzene | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Pentachlorophenol | ND(0.89) | ND(11) | ND(13) | ND(10) |
| Phenacetin | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Phenanthrene | 0.18 J | 91 | 21 | 1.2 J |
| Phenol | ND(0.36) | 2.4 J | 0.52 J | ND(4.0) |
| Pronamide | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Pyrene | 0.45 | 69 | 22 | 0.78 J |
| Pyridine | NA | ND(4.5) | ND(5.1) | ND(4.0) |
| Safrole | NA | R | R | R |
| Thionazin | NA | NA | NA | NA |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|
| Location ID: | M30 | O15 | O19 | O25 |
| Sample ID: | 2S-BH000589-0-0000 | 2S-BH000732-0-0060 | 2S-BH000745-0-0060 | 2S-BH000730-0-0060 |
| Sample Depth(Feet): | 0-1 | 6-15 | 6-15 | 6-15 |
| Parameter Date Collected: | 04/22/02 | 06/14/02 | 06/26/02 | 06/14/02 |
| **Organochlorine Pesticides** | | | | |
| 4,4'-DDD | NS | NS | NS | NS |
| 4,4'-DDE | NS | NS | NS | NS |
| 4,4'-DDT | NS | NS | NS | NS |
| Aldrin | NS | NS | NS | NS |
| Alpha-BHC | NS | NS | NS | NS |
| Alpha-Chlordane | NS | NS | NS | NS |
| Beta-BHC | NS | NS | NS | NS |
| Delta-BHC | NS | NS | NS | NS |
| Dieldrin | NS | NS | NS | NS |
| Endosulfan I | NS | NS | NS | NS |
| Endosulfan II | NS | NS | NS | NS |
| Endosulfan Sulfate | NS | NS | NS | NS |
| Endrin | NS | NS | NS | NS |
| Endrin Aldehyde | NS | NS | NS | NS |
| Gamma-BHC (Lindane) | NS | NS | NS | NS |
| Gamma-Chlordane | NS | NS | NS | NS |
| Heptachlor | NS | NS | NS | NS |
| Heptachlor Epoxide | NS | NS | NS | NS |
| Isodrin | NS | NS | NS | NS |
| Kepone | NS | NS | NS | NS |
| Methoxychlor | NS | NS | NS | NS |
| Technical Chlordane | NS | NS | NS | NS |
| Toxaphene | NS | NS | NS | NS |
| **Organophosphate Pesticides** | | | | |
| Dimethoate | NS | NS | NS | NS |
| Disulfoton | NS | NS | NS | NS |
| Ethyl Parathion | NS | NS | NS | NS |
| Famphur | NS | NS | NS | NS |
| Methyl Parathion | NS | NS | NS | NS |
| Phorate | NS | NS | NS | NS |
| Sulfotep | NS | NS | NS | NS |
| **Herbicides** | | | | |
| 2,4,5-T | NS | NS | NS | NS |
| 2,4,5-TP | NS | NS | NS | NS |
| 2,4-D | NS | NS | NS | NS |
| Dinoseb | NS | ND(4.5) | ND(5.1) | ND(4.0) |
| **Furans** | | | | |
| 2,3,7,8-TCDF | 0.00031 | NS | NS | NS |
| TCDFs (total) | 0.0014 | NS | NS | NS |
| 1,2,3,7,8-PeCDF | 0.00020 | NS | NS | NS |
| 2,3,4,7,8-PeCDF | 0.00021 | NS | NS | NS |
| PeCDFs (total) | 0.0019 J | NS | NS | NS |
| 1,2,3,4,7,8-HxCDF | 0.00016 | NS | NS | NS |
| 1,2,3,6,7,8-HxCDF | 0.000094 | NS | NS | NS |
| 1,2,3,7,8,9-HxCDF | 0.000028 | NS | NS | NS |
| 2,3,4,6,7,8-HxCDF | 0.00010 | NS | NS | NS |
| HxCDFs (total) | 0.0013 | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDF | 0.00012 | NS | NS | NS |
| 1,2,3,4,7,8,9-HpCDF | 0.000029 | NS | NS | NS |
| HpCDFs (total) | 0.00028 | NS | NS | NS |
| OCDF | 0.00013 | NS | NS | NS |
| **Dioxins** | | | | |
| 2,3,7,8-TCDD | 0.0000029 | NS | NS | NS |
| TCDDs (total) | 0.000019 | NS | NS | NS |
| 1,2,3,7,8-PeCDD | 0.0000061 | NS | NS | NS |
| PeCDDs (total) | 0.000023 | NS | NS | NS |
| 1,2,3,4,7,8-HxCDD | 0.0000027 | NS | NS | NS |
| 1,2,3,6,7,8-HxCDD | 0.0000031 | NS | NS | NS |
| 1,2,3,7,8,9-HxCDD | 0.0000023 | NS | NS | NS |
| HxCDDs (total) | 0.000034 | NS | NS | NS |
| 1,2,3,4,6,7,8-HpCDD | 0.000017 | NS | NS | NS |
| HpCDDs (total) | 0.000032 | NS | NS | NS |
| OCDD | 0.000096 | NS | NS | NS |
| Total TEQs (WHO TEFs) | 0.00020 | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|
| | Location ID: | M30 | O15 | O19 | O25 |
| | Sample ID: | 2S-BH000589-0-0000 | 2S-BH000732-0-0060 | 2S-BH000745-0-0060 | 2S-BH000730-0-0060 |
| | Sample Depth(Feet): | 0-1 | 6-15 | 6-15 | 6-15 |
| | Date Collected: | 04/22/02 | 06/14/02 | 06/26/02 | 06/14/02 |
| Inorganics | | | | | |
| Antimony | | NS | 26.2 | 27.2 | 1.60 J |
| Arsenic | | NS | 33.9 | 67.3 | 3.70 |
| Barium | | NS | 511 | 1230 | 27.8 |
| Beryllium | | NS | 0.450 J | 0.360 J | 0.260 J |
| Cadmium | | NS | 20.1 | 27.7 | 0.170 J |
| Chromium | | NS | 87.0 | 140 | 12.6 |
| Cobalt | | NS | 10.7 | 15.1 | 8.40 |
| Copper | | NS | 5130 | 7380 | 38.6 |
| Cyanide | | ND(0.480) | 0.830 | ND(0.740) | ND(0.570) |
| Lead | | NS | 7650 | 15000 | 29.7 |
| Mercury | | NS | 0.810 | 1.90 | 0.120 |
| Nickel | | NS | 112 | 144 | 12.8 |
| Selenium | | NS | 1.30 | 1.90 | 0.260 J |
| Silver | | NS | 39.9 | 23.1 | ND(0.180) |
| Sulfide | | ND(8.20) J | ND(9.90) J | ND(11.2) J | ND(8.40) J |
| Thallium | | NS | ND(0.770) | ND(0.920) | ND(0.690) |
| Tin | | NS | 899 | 1710 | ND(1.50) |
| Vanadium | | NS | 18.8 | 16.5 | 7.30 |
| Zinc | | NS | 5270 | 7650 | 68.2 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Q6 | SL0014 | SL0025 | SL0040 | SL0153 | SL0161 | SL0166 |
| Sample ID: | 2S-BH000743-0-0080 | 080798CT15 | 080798SB17 | 080798CT33 | 081798CT27 | 081798BT20 | 081798BT39 |
| Sample Depth(Feet): | 8-15 | 1-1.5 | 0-0.5 | 0-0.5 | 1-1.5 | 0-0.5 | 0-0.5 |
| Parameter / Date Collected: | 04/18/02 | 08/07/98 | 08/07/98 | 08/07/98 | 08/17/98 | 08/17/98 | 08/17/98 |
| **Volatile Organics** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloroethene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloropropene | NA | NS | NS | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NA | NS | NS | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NA | NS | NS | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,2-Dibromoethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NA | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloropropane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NA | NS | NS | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,3-Dichloropropane | NA | NS | NS | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 1,4-Dioxane | R | NS | NS | NS | NS | NS | NS |
| 2,2-Dichloropropane | NA | NS | NS | NS | NS | NS | NS |
| 2-Butanone | 0.015 J | NS | NS | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 2-Chloroethylvinylether | R | NS | NS | NS | NS | NS | NS |
| 2-Chlorotoluene | NA | NS | NS | NS | NS | NS | NS |
| 2-Hexanone | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 3-Chloropropene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| 4-Chlorotoluene | NA | NS | NS | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Acetone | ND(0.054) J | NS | NS | NS | NS | NS | NS |
| Acrolein | R | NS | NS | NS | NS | NS | NS |
| Acrylonitrile | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Benzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Bromobenzene | NA | NS | NS | NS | NS | NS | NS |
| Bromochloromethane | NA | NS | NS | NS | NS | NS | NS |
| Bromodichloromethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Bromoform | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Bromomethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Carbon Disulfide | 0.0025 J | NS | NS | NS | NS | NS | NS |
| Carbon Tetrachloride | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Chlorobenzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Chloroethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Chloroform | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Chloromethane | 0.015 | NS | NS | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Dibromochloromethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Dibromomethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Ethyl Methacrylate | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Ethylbenzene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Freon 12 | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Hexachlorobutadiene | NA | NS | NS | NS | NS | NS | NS |
| Iodomethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Isobutanol | R | NS | NS | NS | NS | NS | NS |
| Isopropylbenzene | NA | NS | NS | NS | NS | NS | NS |
| m&p-Xylene | 0.0014 J | NS | NS | NS | NS | NS | NS |
| Methacrylonitrile | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Methyl Methacrylate | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Methylene Chloride | 0.0021 J | NS | NS | NS | NS | NS | NS |
| Naphthalene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| n-Butylbenzene | NA | NS | NS | NS | NS | NS | NS |
| n-Propylbenzene | NA | NS | NS | NS | NS | NS | NS |
| o-Xylene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| p-Isopropyltoluene | NA | NS | NS | NS | NS | NS | NS |
| Propionitrile | R | NS | NS | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Q6 | SL0014 | SL0025 | SL0040 | SL0153 | SL0161 | SL0166 |
| Sample ID: | 2S-BH000743-0-0080 | 080798CT15 | 080798SB17 | 080798CT33 | 081798CT27 | 081798BT20 | 081798BT39 |
| Sample Depth(Feet): | 8-15 | 1-1.5 | 0-0.5 | 0-0.5 | 1-1.5 | 0-0.5 | 0-0.5 |
| Parameter / Date Collected: | 04/18/02 | 08/07/98 | 08/07/98 | 08/07/98 | 08/17/98 | 08/17/98 | 08/17/98 |
| **Volatile Organics (continued)** | | | | | | | |
| sec-Butylbenzene | NA | NS | NS | NS | NS | NS | NS |
| Styrene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| tert-Butylbenzene | NA | NS | NS | NS | NS | NS | NS |
| Tetrachloroethene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Tetrahydrofuran | NA | NS | NS | NS | NS | NS | NS |
| Toluene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Trichloroethene | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Trichlorofluoromethane | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Vinyl Acetate | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Vinyl Chloride | ND(0.0057) | NS | NS | NS | NS | NS | NS |
| Xylenes (total) | 0.0014 J | NS | NS | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.19 J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1,2,4-Trichlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | 2.9 J | 0.044 J | 0.18 J | 0.076 J |
| 1,2-Dichlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1,3,5-Trinitrobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1,3-Dichlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1,3-Dinitrobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1,4-Dichlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.087 J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1,4-Naphthoquinone | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 1-Naphthylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2,3,4,6-Tetrachlorophenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2,4,5-Trichlorophenol | ND(1.0) | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 2,4,6-Trichlorophenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2,4-Dichlorophenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2,4-Dimethylphenol | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.36 J | 0.83 | 0.37 J | 3.8 |
| 2,4-Dinitrophenol | ND(1.0) | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 2,4-Dinitrotoluene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) J |
| 2,6-Dichlorophenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2,6-Dinitrotoluene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2-Acetylaminofluorene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2-Chloronaphthalene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | 0.18 J |
| 2-Chlorophenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2-Methylnaphthalene | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.17 J | 0.096 J | 0.75 J | 0.18 J |
| 2-Methylphenol | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.55 J | 0.75 | 0.26 J | 3.2 |
| 2-Naphthylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2-Nitroaniline | ND(1.0) | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 2-Nitrophenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 2-Picoline | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 3,3'-Dichlorobenzidine | ND(0.41) | R | R | R | ND(0.36) | ND(1.3) | ND(0.73) |
| 3,3'-Dimethylbenzidine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 3-Methylcholanthrene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) J |
| 3-Nitroaniline | ND(1.0) | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 4,6-Dinitro-2-methylphenol | ND(1.0) | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 4-Aminobiphenyl | ND(0.41) J | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 4-Bromophenyl-phenylether | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) J |
| 4-Chloro-3-Methylphenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 4-Chloroaniline | ND(0.41) | R | R | R | ND(0.36) | ND(1.3) | ND(0.73) |
| 4-Chlorobenzilate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 4-Chlorophenyl-phenylether | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) J |
| 4-Methylphenol | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.62 J | 2.1 | 0.53 J | 7.8 |
| 4-Nitroaniline | ND(1.0) J | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 4-Nitrophenol | ND(1.0) J | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| 4-Nitroquinoline-1-oxide | ND(0.41) J | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 4-Phenylenediamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) J | ND(0.73) |
| 5-Nitro-o-toluidine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) J |
| a,a'-Dimethylphenethylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Acenaphthene | 0.041 J | ND(0.35) J | ND(0.34) J | ND(0.73) J | 0.042 J | 2.2 | ND(0.73) |
| Acenaphthylene | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.31 J | ND(0.36) | 0.18 J | ND(0.73) |
| Acetophenone | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | 0.17 J | 0.31 J | 0.55 J |
| Aniline | ND(1.0) | R | R | 6.4 J | 1.3 | 4.0 | 24 |
| Anthracene | 0.041 J | ND(0.35) J | ND(0.34) J | 0.15 J | 0.083 J | 4.1 | 0.091 J |
| Aramite | ND(0.41) | R | R | R | ND(0.36) | ND(1.3) | ND(0.73) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Q6 | SL0014 | SL0025 | SL0040 | SL0153 | SL0161 | SL0166 |
| Sample ID: | 2S-BH000743-0-0080 | 080798CT15 | 080798SB17 | 080798CT33 | 081798CT27 | 081798BT20 | 081798BT39 |
| Sample Depth(Feet): | 8-15 | 1-1.5 | 0-0.5 | 0-0.5 | 1-1.5 | 0-0.5 | 0-0.5 |
| Parameter / Date Collected: | 04/18/02 | 08/07/98 | 08/07/98 | 08/07/98 | 08/17/98 | 08/17/98 | 08/17/98 |
| **Semivolatile Organics (continued)** | | | | | | | |
| Azobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Benzo(a)anthracene | 0.26 J | ND(0.35) J | 0.098 J | 1.1 J | 0.38 | 8.1 | 1.2 |
| Benzo(a)pyrene | 0.29 J | ND(0.35) J | 0.12 J | 1.5 J | 0.46 J | 7.2 J | 1.2 J |
| Benzo(b)fluoranthene | 0.44 | 0.032 J | 0.11 J | 1.3 J | 0.50 J | 7.7 J | 3.7 J |
| Benzo(g,h,i)perylene | 0.21 J | ND(0.35) J | 0.095 J | 1.1 J | 0.52 J | 7.2 J | 2.4 J |
| Benzo(k)fluoranthene | 0.33 J | 0.034 J | 0.12 J | 1.3 J | 0.43 J | 6.4 J | 1.9 J |
| Benzyl Alcohol | ND(0.41) J | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| bis(2-Chloroethoxy)methane | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| bis(2-Chloroethyl)ether | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| bis(2-Chloroisopropyl)ether | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) J |
| bis(2-Ethylhexyl)adipate | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.097 J | ND(0.36) | ND(1.3) J | ND(0.73) J |
| Butylbenzylphthalate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) J | ND(0.73) J |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | 0.37 J | 0.039 J | 0.13 J | 1.3 J | 0.51 | 8.8 | 2.6 |
| Dialiate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Dibenzo(a,h)anthracene | 0.066 J | ND(0.35) J | ND(0.34) J | 0.19 J | 0.17 J | 2.3 J | 0.89 J |
| Dibenzofuran | ND(0.41) | ND(0.35) J | ND(0.34) J | 0.12 J | 0.046 J | 1.5 | ND(0.73) |
| Diethylphthalate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) J | ND(0.73) J |
| Dimethylphthalate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) J | ND(1.3) J | ND(0.73) |
| Di-n-Butylphthalate | 0.097 J | ND(0.35) J | 0.038 J | ND(0.73) J | 1.1 | 0.53 J | 3.6 J |
| Di-n-Octylphthalate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Ethyl Methanesulfonate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Fluoranthene | 0.47 | 0.058 J | 0.24 J | 1.4 J | 0.64 | 15 J | 1.5 J |
| Fluorene | 0.028 J | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | 2.7 | ND(0.73) |
| Hexachlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Hexachlorobutadiene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | 0.42 J | ND(0.73) |
| Hexachlorocyclopentadiene | ND(0.41) | R | R | R | ND(0.36) | ND(1.3) J | ND(0.73) J |
| Hexachloroethane | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Hexachloropropene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Indeno(1,2,3-cd)pyrene | 0.17 J | ND(0.35) J | 0.094 J | 1.0 J | 0.53 J | 7.2 J | 2.4 J |
| Isophorone | ND(0.41) | 0.078 J | 0.10 J | 0.26 J | 0.21 J | ND(1.3) | 0.33 J |
| Isosafrole | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Methapyrilene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Methyl Methanesulfonate | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Naphthalene | 0.025 J | ND(0.35) J | ND(0.34) J | 0.43 J | 0.14 J | 1.1 J | 0.30 J |
| Nitrobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | 0.050 J | ND(1.3) | ND(0.73) |
| N-Nitrosodiethylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitrosodimethylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitroso-di-n-butylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitroso-di-n-propylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitrosodiphenylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | 0.12 J | 0.41 J |
| N-Nitrosomethylethylamine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitrosomorpholine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitrosopiperidine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| N-Nitrosopyrrolidine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| o,o,o-Triethylphosphorothioate | NA | ND(0.032) | NA | ND(0.030) | NA | ND(0.039) | NA |
| o-Toluidine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| p-Dimethylaminoazobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Pentachlorobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Pentachloroethane | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Pentachloronitrobenzene | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Pentachlorophenol | ND(1.0) | ND(0.87) J | ND(0.86) J | ND(1.8) J | ND(0.91) | ND(3.2) | ND(1.8) |
| Phenacetin | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Phenanthrene | 0.30 J | 0.035 J | 0.088 J | 0.66 J | 0.53 | 16 | 0.66 J |
| Phenol | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | 2.4 | 3.1 | 9.1 |
| Pronamide | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Pyrene | 0.53 | 0.050 J | 0.22 J | 1.8 J | 0.85 | 16 | 1.6 |
| Pyridine | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Safrole | R | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| Thionazin | NA | ND(0.032) | NA | ND(0.030) | NA | ND(0.039) | NA |

TABLE B-3
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PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Q6 | SL0014 | SL0025 | SL0040 | SL0153 | SL0161 | SL0166 |
| Sample ID: | 2S-BH000743-0-0080 | 080798CT15 | 080798SB17 | 080798CT33 | 081798CT27 | 081798BT20 | 081798BT39 |
| Sample Depth(Feet): | 8-15 | 1-1.5 | 0-0.5 | 0-0.5 | 1-1.5 | 0-0.5 | 0-0.5 |
| Parameter / Date Collected: | 04/18/02 | 08/07/98 | 08/07/98 | 08/07/98 | 08/17/98 | 08/17/98 | 08/17/98 |
| **Organochlorine Pesticides** | | | | | | | |
| 4,4'-DDD | NS | ND(0.18) | ND(0.071) | ND(110) | ND(7.4) | ND(2.0) | ND(7.5) |
| 4,4'-DDE | NS | ND(0.18) | ND(0.071) | 150 J | ND(7.4) | ND(2.0) | ND(7.5) |
| 4,4'-DDT | NS | ND(0.18) | ND(0.071) | R | ND(7.4) | ND(2.0) | ND(7.5) |
| Aldrin | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Alpha-BHC | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Alpha-Chlordane | NS | NA | NA | NA | NA | NA | NA |
| Beta-BHC | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Delta-BHC | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Dieldrin | NS | ND(0.18) | R | R | ND(7.4) | R | ND(7.5) |
| Endosulfan I | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Endosulfan II | NS | ND(0.18) | ND(0.071) | ND(110) | ND(7.4) | ND(2.0) | ND(7.5) |
| Endosulfan Sulfate | NS | ND(0.18) | ND(0.071) | ND(110) | ND(7.4) | ND(2.0) | ND(7.5) |
| Endrin | NS | ND(0.18) | ND(0.071) | ND(110) | ND(7.4) | ND(2.0) | ND(7.5) |
| Endrin Aldehyde | NS | ND(0.18) | ND(0.071) | ND(110) | ND(7.4) | ND(2.0) | ND(7.5) |
| Gamma-BHC (Lindane) | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Gamma-Chlordane | NS | NA | NA | NA | NA | NA | NA |
| Heptachlor | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Heptachlor Epoxide | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Isodrin | NS | ND(0.089) | ND(0.035) | ND(57) | ND(3.7) | ND(1.0) | ND(3.8) |
| Kepone | NS | R | R | R | R | R | R |
| Methoxychlor | NS | ND(0.89) | ND(0.35) | ND(570) | ND(37) | ND(10) | ND(38) |
| Technical Chlordane | NS | ND(0.89) | ND(0.35) | ND(570) | ND(37) | ND(10) | ND(38) |
| Toxaphene | NS | ND(8.9) | ND(3.5) | ND(5700) | ND(370) | ND(100) | ND(380) |
| **Organophosphate Pesticides** | | | | | | | |
| Dimethoate | NS | ND(0.032) | NS | ND(0.030) | NS | ND(0.039) J | NS |
| Disulfoton | NS | ND(0.032) J | NS | ND(0.030) J | NS | ND(0.039) | NS |
| Ethyl Parathion | NS | ND(0.032) | NS | ND(0.030) | NS | ND(0.039) | NS |
| Famphur | NS | ND(0.032) | NS | ND(0.030) | NS | ND(0.039) | NS |
| Methyl Parathion | NS | ND(0.032) | NS | ND(0.030) | NS | ND(0.039) | NS |
| Phorate | NS | ND(0.032) | NS | ND(0.030) | NS | ND(0.039) | NS |
| Sulfotep | NS | ND(0.032) | NS | ND(0.030) | NS | ND(0.039) | NS |
| **Herbicides** | | | | | | | |
| 2,4,5-T | NS | ND(0.0050) | NS | ND(0.0053) | NS | ND(0.0056) | NS |
| 2,4,5-TP | NS | ND(0.0050) | NS | ND(0.0053) | NS | ND(0.0056) | NS |
| 2,4-D | NS | ND(0.049) | NS | ND(0.052) | NS | ND(0.055) | NS |
| Dinoseb | ND(0.41) | ND(0.35) J | ND(0.34) J | ND(0.73) J | ND(0.36) | ND(1.3) | ND(0.73) |
| **Furans** | | | | | | | |
| 2,3,7,8-TCDF | NS | 0.00010 | 0.000044 | 0.010 | 0.000065 | 0.00018 | 0.00015 |
| TCDFs (total) | NS | 0.00084 J | 0.00031 J | 0.081 J | 0.00082 J | 0.0037 J | 0.0032 J |
| 1,2,3,7,8-PeCDF | NS | 0.000029 | 0.000016 | 0.0061 | 0.000057 | 0.00013 | 0.000077 |
| 2,3,4,7,8-PeCDF | NS | 0.000031 | 0.000032 | 0.0084 | 0.000086 | 0.00040 | 0.00032 |
| PeCDFs (total) | NS | 0.00046 J | 0.00060 J | 0.090 J | 0.0011 J | 0.0063 J | 0.0055 J |
| 1,2,3,4,7,8-HxCDF | NS | 0.000038 | 0.000021 | 0.011 | 0.00019 | 0.00038 | 0.00023 |
| 1,2,3,6,7,8-HxCDF | NS | 0.000020 | 0.000027 | 0.0075 | 0.000089 J | 0.00028 J | 0.00018 J |
| 1,2,3,7,8,9-HxCDF | NS | 0.0000047 | 0.0000037 | 0.0011 | 0.000022 | 0.000056 | 0.000033 |
| 2,3,4,6,7,8-HxCDF | NS | 0.000018 | 0.000041 | 0.0039 | 0.000070 | 0.00038 | 0.00034 |
| HxCDFs (total) | NS | 0.00035 J | 0.00068 J | 0.064 J | 0.0011 J | 0.0056 J | 0.0051 J |
| 1,2,3,4,6,7,8-HpCDF | NS | 0.00011 J | 0.000090 J | 0.015 J | 0.00025 J | 0.00063 J | 0.00052 J |
| 1,2,3,4,7,8,9-HpCDF | NS | 0.0000051 | 0.0000037 | 0.0012 | 0.000051 | 0.000066 | 0.000042 |
| HpCDFs (total) | NS | 0.00014 J | 0.00014 J | 0.020 J | 0.00047 J | 0.0013 J | 0.0012 J |
| OCDF | NS | 0.000048 | 0.000026 | 0.0068 | 0.00041 | 0.00038 | 0.00029 |
| **Dioxins** | | | | | | | |
| 2,3,7,8-TCDD | NS | 0.00000072 | 0.00000040 | 0.000074 | 0.0000032 | 0.000011 | 0.000012 |
| TCDDs (total) | NS | 0.000016 | 0.0000030 | 0.0016 | 0.000022 | 0.000060 | 0.000046 |
| 1,2,3,7,8-PeCDD | NS | 0.0000012 J | 0.00000074 J | 0.00017 J | 0.0000019 J | 0.0000074 | 0.0000054 |
| PeCDDs (total) | NS | 0.0000035 J | 0.0000018 J | 0.0011 J | 0.000025 | 0.000097 | 0.000071 |
| 1,2,3,4,7,8-HxCDD | NS | 0.0000011 | 0.00000099 | 0.00012 | 0.0000033 | 0.0000070 | 0.0000052 |
| 1,2,3,6,7,8-HxCDD | NS | 0.0000022 | 0.0000015 | 0.00021 | 0.0000046 | 0.000015 | 0.000013 |
| 1,2,3,7,8,9-HxCDD | NS | 0.0000023 | 0.0000013 | 0.00012 | 0.0000028 | 0.000010 | 0.0000090 |
| HxCDDs (total) | NS | 0.000024 | 0.000013 | 0.0030 | 0.000047 | 0.00019 | 0.00015 |
| 1,2,3,4,6,7,8-HpCDD | NS | 0.000011 | 0.000011 | 0.00059 | 0.000032 | 0.000064 | 0.000059 |
| HpCDDs (total) | NS | 0.000022 | 0.000020 | 0.0013 | 0.000062 | 0.00013 | 0.00012 |
| OCDD | NS | 0.000092 | 0.000096 | 0.0016 | 0.00044 | 0.00041 | 0.00044 |
| Total TEQs (WHO TEFs) | NS | 0.000039 | 0.000033 | 0.0083 | 0.000099 | 0.00036 | 0.00028 |

TABLE B-3
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PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| Location ID: | Q6 | SL0014 | SL0025 | SL0040 | SL0153 | SL0161 | SL0166 |
| Sample ID: | 2S-BH000743-0-0080 | 080798CT15 | 080798SB17 | 080798CT33 | 081798CT27 | 081798BT20 | 081798BT39 |
| Sample Depth(Feet): | 8-15 | 1-1.5 | 0-0.5 | 0-0.5 | 1-1.5 | 0-0.5 | 0-0.5 |
| Parameter / Date Collected: | 04/18/02 | 08/07/98 | 08/07/98 | 08/07/98 | 08/17/98 | 08/17/98 | 08/17/98 |
| **Inorganics** | | | | | | | |
| Antimony | ND(0.900) | R | R | 5.90 J | 6.20 | ND(2.30) | 4.30 J |
| Arsenic | 3.30 | 5.30 J | 3.60 J | 9.10 J | 8.90 | 15.1 | 9.90 |
| Barium | 41.7 | 23.1 J | 24.9 J | 125 J | 36.5 J | 114 J | 45.5 J |
| Beryllium | 0.320 J | 0.190 J | 0.140 J | 0.310 J | ND(0.0300) | 0.220 J | 0.120 J |
| Cadmium | 0.200 J | ND(0.0600) J | 0.180 J | 4.50 J | 15.5 | 5.10 | ND(0.700) |
| Chromium | 12.5 | 8.20 | 6.40 | 54.1 | 9.60 J | 20.2 J | 20.5 J |
| Cobalt | 7.70 | 7.30 J | 7.80 J | 11.7 J | 8.00 | 8.50 | 8.20 |
| Copper | 42.0 | 14.6 J | 14.8 J | 567 J | 14000 | 376 | 610 |
| Cyanide | ND(0.600) | ND(0.520) | ND(0.510) | 1.50 | ND(0.550) | 1.20 | ND(0.540) |
| Lead | 25.7 J | 16.7 J | 7.80 J | 633 J | 545 J | 1120 J | 508 J |
| Mercury | 0.0390 J | 0.0900 J | 0.0200 J | 2.70 | 0.770 | 12.5 | 0.190 |
| Nickel | 13.5 | 11.0 J | 10.8 J | 39.7 J | 58.3 J | 23.9 J | 15.9 J |
| Selenium | ND(0.250) | ND(0.330) J | ND(0.290) J | ND(0.380) J | 0.570 | 0.580 | ND(0.290) |
| Silver | ND(0.150) | ND(0.200) J | ND(0.180) J | 2.70 J | 0.560 J | 0.960 J | 0.530 J |
| Sulfide | ND(9.40) J | ND(5.20) J | ND(5.10) J | ND(5.40) J | ND(5.40) | ND(5.80) | ND(5.50) |
| Thallium | ND(0.720) | ND(0.570) J | ND(0.500) J | ND(0.660) J | 0.750 J | 0.900 J | 0.640 J |
| Tin | 1.90 J | ND(0.460) J | ND(0.400) J | 48.8 J | 1130 | 49.8 | 61.4 |
| Vanadium | 10.0 | 7.60 J | 7.20 J | 30.8 J | 13.9 | 17.0 | 17.7 |
| Zinc | 69.2 | 48.2 J | 49.6 J | 1210 J | 9620 | 672 | 871 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|
| Location ID: | SL0187 | SL0270 | SL0314 | SL0316 | SL0320 | SL0342 |
| Sample ID: | 081898CT37 | 082598MS28 | 082798MS14 | 082798MS21 | 082898MS10 | 083198MS14 |
| Sample Depth(Feet): | 0-0.5 | 2-2.5 | 0-0.5 | 1-1.5 | 2-2.5 | 0-0.5 |
| Parameter / Date Collected: | 08/18/98 | 08/25/98 | 08/27/98 | 08/27/98 | 08/28/98 | 08/31/98 |
| **Volatile Organics** | | | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | NS | NS | NS | NS |
| 1,1,1-Trichloroethane | NS | NS | NS | NS | NS | NS |
| 1,1,2,2-Tetrachloroethane | NS | NS | NS | NS | NS | NS |
| 1,1,2-Trichloroethane | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloroethane | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloroethene | NS | NS | NS | NS | NS | NS |
| 1,1-Dichloropropene | NS | NS | NS | NS | NS | NS |
| 1,2,3-Trichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,2,3-Trichloropropane | NS | NS | NS | NS | NS | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,2,4-Trimethylbenzene | NS | NS | NS | NS | NS | NS |
| 1,2-Dibromo-3-chloropropane | NS | NS | NS | NS | NS | NS |
| 1,2-Dibromoethane | NS | NS | NS | NS | NS | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloroethane | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloroethene (total) | NS | NS | NS | NS | NS | NS |
| 1,2-Dichloropropane | NS | NS | NS | NS | NS | NS |
| 1,3,5-Trimethylbenzene | NS | NS | NS | NS | NS | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,3-Dichloropropane | NS | NS | NS | NS | NS | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS | NS | NS |
| 1,4-Dioxane | NS | NS | NS | NS | NS | NS |
| 2,2-Dichloropropane | NS | NS | NS | NS | NS | NS |
| 2-Butanone | NS | NS | NS | NS | NS | NS |
| 2-Chloro-1,3-butadiene | NS | NS | NS | NS | NS | NS |
| 2-Chloroethylvinylether | NS | NS | NS | NS | NS | NS |
| 2-Chlorotoluene | NS | NS | NS | NS | NS | NS |
| 2-Hexanone | NS | NS | NS | NS | NS | NS |
| 3-Chloropropene | NS | NS | NS | NS | NS | NS |
| 4-Chlorotoluene | NS | NS | NS | NS | NS | NS |
| 4-Methyl-2-pentanone | NS | NS | NS | NS | NS | NS |
| Acetone | NS | NS | NS | NS | NS | NS |
| Acrolein | NS | NS | NS | NS | NS | NS |
| Acrylonitrile | NS | NS | NS | NS | NS | NS |
| Benzene | NS | NS | NS | NS | NS | NS |
| Bromobenzene | NS | NS | NS | NS | NS | NS |
| Bromochloromethane | NS | NS | NS | NS | NS | NS |
| Bromodichloromethane | NS | NS | NS | NS | NS | NS |
| Bromoform | NS | NS | NS | NS | NS | NS |
| Bromomethane | NS | NS | NS | NS | NS | NS |
| Carbon Disulfide | NS | NS | NS | NS | NS | NS |
| Carbon Tetrachloride | NS | NS | NS | NS | NS | NS |
| Chlorobenzene | NS | NS | NS | NS | NS | NS |
| Chloroethane | NS | NS | NS | NS | NS | NS |
| Chloroform | NS | NS | NS | NS | NS | NS |
| Chloromethane | NS | NS | NS | NS | NS | NS |
| cis-1,2-Dichloroethene | NS | NS | NS | NS | NS | NS |
| cis-1,3-Dichloropropene | NS | NS | NS | NS | NS | NS |
| Dibromochloromethane | NS | NS | NS | NS | NS | NS |
| Dibromomethane | NS | NS | NS | NS | NS | NS |
| Ethyl Methacrylate | NS | NS | NS | NS | NS | NS |
| Ethylbenzene | NS | NS | NS | NS | NS | NS |
| Freon 12 | NS | NS | NS | NS | NS | NS |
| Hexachlorobutadiene | NS | NS | NS | NS | NS | NS |
| Iodomethane | NS | NS | NS | NS | NS | NS |
| Isobutanol | NS | NS | NS | NS | NS | NS |
| Isopropylbenzene | NS | NS | NS | NS | NS | NS |
| m&p-Xylene | NS | NS | NS | NS | NS | NS |
| Methacrylonitrile | NS | NS | NS | NS | NS | NS |
| Methyl Methacrylate | NS | NS | NS | NS | NS | NS |
| Methylene Chloride | NS | NS | NS | NS | NS | NS |
| Naphthalene | NS | NS | NS | NS | NS | NS |
| n-Butylbenzene | NS | NS | NS | NS | NS | NS |
| n-Propylbenzene | NS | NS | NS | NS | NS | NS |
| o-Xylene | NS | NS | NS | NS | NS | NS |
| p-Isopropyltoluene | NS | NS | NS | NS | NS | NS |
| Propionitrile | NS | NS | NS | NS | NS | NS |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|
| Location ID: | SL0187 | SL0270 | SL0314 | SL0316 | SL0320 | SL0342 |
| Sample ID: | 081898CT37 | 082598MS28 | 082798MS14 | 082798MS21 | 082898MS10 | 083198MS14 |
| Sample Depth(Feet): | 0-0.5 | 2-2.5 | 0-0.5 | 1-1.5 | 2-2.5 | 0-0.5 |
| Parameter / Date Collected: | 08/18/98 | 08/25/98 | 08/27/98 | 08/27/98 | 08/28/98 | 08/31/98 |
| **Volatile Organics (continued)** | | | | | | |
| sec-Butylbenzene | NS | NS | NS | NS | NS | NS |
| Styrene | NS | NS | NS | NS | NS | NS |
| tert-Butylbenzene | NS | NS | NS | NS | NS | NS |
| Tetrachloroethene | NS | NS | NS | NS | NS | NS |
| Tetrahydrofuran | NS | NS | NS | NS | NS | NS |
| Toluene | NS | NS | NS | NS | NS | NS |
| trans-1,2-Dichloroethene | NS | NS | NS | NS | NS | NS |
| trans-1,3-Dichloropropene | NS | NS | NS | NS | NS | NS |
| trans-1,4-Dichloro-2-butene | NS | NS | NS | NS | NS | NS |
| Trichloroethene | NS | NS | NS | NS | NS | NS |
| Trichlorofluoromethane | NS | NS | NS | NS | NS | NS |
| Vinyl Acetate | NS | NS | NS | NS | NS | NS |
| Vinyl Chloride | NS | NS | NS | NS | NS | NS |
| Xylenes (total) | NS | NS | NS | NS | NS | NS |
| **Semivolatile Organics** | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(0.37) | ND(0.34) | 0.30 J | ND(0.37) | 0.19 J [0.22 J] | ND(0.34) |
| 1,2,4-Trichlorobenzene | 0.043 J | ND(0.34) | 2.0 | 0.20 J | 1.9 [2.3] | 0.086 J |
| 1,2-Dichlorobenzene | ND(0.37) | ND(0.34) J | ND(0.35) J | ND(0.37) J | 0.043 J [0.052 J] | ND(0.34) J |
| 1,3,5-Trinitrobenzene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| 1,3-Dichlorobenzene | ND(0.37) | ND(0.34) | ND(0.35) | 0.055 J | 0.057 J [0.065 J] | ND(0.34) J |
| 1,3-Dinitrobenzene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 1,4-Dichlorobenzene | ND(0.37) | ND(0.34) | 0.14 J | 0.21 J | 0.069 J [0.079 J] | 0.046 J |
| 1,4-Naphthoquinone | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 1-Naphthylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2,3,4,6-Tetrachlorophenol | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2,4,5-Trichlorophenol | ND(0.93) | ND(0.86) | ND(0.88) | ND(0.92) | ND(0.91) [ND(1.8)] | ND(0.86) |
| 2,4,6-Trichlorophenol | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) J [ND(0.72) J] | ND(0.34) |
| 2,4-Dichlorophenol | ND(0.37) | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2,4-Dimethylphenol | 0.056 J | 2.1 J | 0.43 J | ND(0.37) J | 0.74 J [0.36 J] | ND(0.34) J |
| 2,4-Dinitrophenol | ND(0.93) | ND(0.86) | ND(0.88) | ND(0.92) J | ND(0.91) [ND(1.8)] | R |
| 2,4-Dinitrotoluene | ND(0.37) J | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) J |
| 2,6-Dichlorophenol | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2,6-Dinitrotoluene | ND(0.37) | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) J |
| 2-Acetylaminofluorene | ND(0.37) J | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2-Chloronaphthalene | ND(0.37) J | 0.044 J | ND(0.35) J | ND(0.37) J | ND(0.36) J [0.036 J] | ND(0.34) J |
| 2-Chlorophenol | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2-Methylnaphthalene | 0.17 J | 0.079 J | 0.20 J | 0.077 J | 0.14 J [0.22 J] | ND(0.34) J |
| 2-Methylphenol | 0.070 J | 0.21 J | 0.44 | ND(0.37) | 0.55 [0.50 J] | ND(0.34) |
| 2-Naphthylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2-Nitroaniline | ND(0.93) | ND(0.86) | ND(0.88) | ND(0.92) | ND(0.91) [ND(1.8)] | ND(0.86) |
| 2-Nitrophenol | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 2-Picoline | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 3,3'-Dichlorobenzidine | ND(0.37) J | ND(0.34) | R | R | ND(0.36) [ND(0.72)] | R |
| 3,3'-Dimethylbenzidine | ND(0.37) J | ND(0.34) J | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 3-Methylcholanthrene | ND(0.37) J | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 3-Nitroaniline | ND(0.93) | ND(0.86) | ND(0.88) J | ND(0.92) J | ND(0.91) [ND(1.8)] | ND(0.86) J |
| 4,6-Dinitro-2-methylphenol | ND(0.93) | ND(0.86) | ND(0.88) | ND(0.92) | ND(0.91) [ND(1.8)] | R |
| 4-Aminobiphenyl | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 4-Bromophenyl-phenylether | ND(0.37) J | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| 4-Chloro-3-Methylphenol | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 4-Chloroaniline | ND(0.37) | R | R | R | ND(0.36) [ND(0.72)] | R |
| 4-Chlorobenzilate | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 4-Chlorophenyl-phenylether | ND(0.37) J | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| 4-Methylphenol | ND(0.37) | 0.96 | 0.95 | 0.058 J | 0.59 [0.53 J] | 0.033 J |
| 4-Nitroaniline | ND(0.93) | ND(0.86) | ND(0.88) J | ND(0.92) J | ND(0.91) [ND(1.8)] | ND(0.86) J |
| 4-Nitrophenol | ND(0.93) | ND(0.86) J | ND(0.88) | ND(0.92) | ND(0.91) [ND(1.8)] | ND(0.86) |
| 4-Nitroquinoline-1-oxide | ND(0.37) | R | ND(0.35) | R | ND(0.36) [ND(0.72)] | ND(0.34) |
| 4-Phenylenediamine | ND(0.37) J | ND(0.34) | ND(0.35) | R | ND(0.36) [ND(0.72)] | ND(0.34) J |
| 5-Nitro-o-toluidine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.37) J | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| a,a'-Dimethylphenethylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Acenaphthene | 0.17 J | 0.12 J | 0.17 J | 0.036 J | 0.058 J [0.077 J] | ND(0.34) |
| Acenaphthylene | 0.18 J | 0.048 J | 0.42 J | 0.14 J | 0.11 J [0.11 J] | ND(0.34) J |
| Acetophenone | 0.042 J | ND(0.34) | 0.26 J | 0.039 J | ND(0.36) [ND(0.36)] | ND(0.34) |
| Aniline | ND(0.93) | 5.2 J | 1.3 | ND(0.92) | 0.69 J [ND(1.8)] | ND(0.86) |
| Anthracene | 0.72 | 0.20 J | 0.54 | 0.11 J | 0.24 J [0.25 J] | 0.066 J |
| Aramite | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|
| Location ID: | SL0187 | SL0270 | SL0314 | SL0316 | SL0320 | SL0342 |
| Sample ID: | 081898CT37 | 082598MS28 | 082798MS14 | 082798MS21 | 082898MS10 | 083198MS14 |
| Sample Depth(Feet): | 0-0.5 | 2-2.5 | 0-0.5 | 1-1.5 | 2-2.5 | 0-0.5 |
| Parameter / Date Collected: | 08/18/98 | 08/25/98 | 08/27/98 | 08/27/98 | 08/28/98 | 08/31/98 |
| **Semivolatile Organics (continued)** | | | | | | |
| Azobenzene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Benzo(a)anthracene | 2.4 J | 0.34 J | 2.3 | 0.55 | 0.96 [0.95] | 0.35 |
| Benzo(a)pyrene | 2.7 J | 0.38 J | 2.8 J | 0.65 J | 1.0 [1.1] | 0.20 J |
| Benzo(b)fluoranthene | 2.3 J | 0.37 J | 2.5 | 0.68 | 1.0 [1.4] | 0.35 |
| Benzo(g,h,i)perylene | 2.3 J | 0.11 J | 2.0 J | 0.22 J | 0.29 J [0.58 J] | 0.063 J |
| Benzo(k)fluoranthene | 2.2 J | 0.42 J | 2.5 | 0.72 | 0.86 [1.0] | 0.32 J |
| Benzyl Alcohol | 0.10 J | ND(0.34) | 0.27 J | 0.21 J | ND(0.36) [ND(0.72)] | ND(0.34) |
| bis(2-Chloroethoxy)methane | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| bis(2-Chloroethyl)ether | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| bis(2-Chloroisopropyl)ether | ND(0.37) J | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| bis(2-Ethylhexyl)adipate | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | ND(0.37) J | ND(0.34) | 0.25 J | 0.040 J | ND(0.36) [ND(0.72)] | ND(0.34) |
| Butylbenzylphthalate | ND(0.37) J | R | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | 0.032 J |
| Carbazole | NA | NA | NA | NA | NA | NA |
| Chrysene | 2.6 J | 0.40 J | 2.7 | 0.83 | 1.2 [1.3] | 0.40 |
| Dialiate | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Dibenzo(a,h)anthracene | 0.61 J | 0.039 J | 0.61 | 0.076 J | 0.27 J [0.23 J] | 0.10 J |
| Dibenzofuran | 0.22 J | 0.12 J | 0.16 J | 0.050 J | 0.16 J [0.20 J] | ND(0.34) |
| Diethylphthalate | ND(0.37) J | ND(0.34) J | ND(0.35) J | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| Dimethylphthalate | ND(0.37) J | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Di-n-Butylphthalate | 0.23 J | 1.6 | 0.97 | 0.039 J | 3.6 [2.0] | 0.067 J |
| Di-n-Octylphthalate | ND(0.37) J | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Ethyl Methanesulfonate | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Fluoranthene | 4.1 J | 0.92 J | 4.4 J | 1.4 J | 1.9 [1.9] | 0.87 |
| Fluorene | 0.20 J | 0.14 J | 0.16 J | 0.070 J | 0.085 J [0.11 J] | 0.035 J |
| Hexachlorobenzene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | 0.15 J [0.14 J] | ND(0.34) J |
| Hexachlorobutadiene | ND(0.37) | R | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Hexachlorocyclopentadiene | ND(0.37) | ND(0.34) | R | R | ND(0.36) J [ND(0.72) J] | ND(0.34) |
| Hexachloroethane | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) J |
| Hexachloropropene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Indeno(1,2,3-cd)pyrene | 2.3 J | 0.10 J | 1.8 | 0.21 J | 0.72 [0.63 J] | 0.18 J |
| Isophorone | 0.12 J | 0.16 J | 0.63 | 0.088 J | 0.34 J [0.33 J] | 0.15 J |
| Isosafrole | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Methapyrilene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Methyl Methanesulfonate | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Naphthalene | 0.30 J | 0.20 J | 0.48 J | 0.15 J | 0.45 [0.51 J] | 0.073 J |
| Nitrobenzene | ND(0.37) | ND(0.34) | 0.094 J | ND(0.37) | 0.12 J [0.084 J] | ND(0.34) |
| N-Nitrosodiethylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitrosodimethylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitroso-di-n-butylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitroso-di-n-propylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitrosodiphenylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitrosomethylethylamine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitrosomorpholine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitrosopiperidine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| N-Nitrosopyrrolidine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| o,o,o-Triethylphosphorothioate | NA | NA | NA | NA | ND(0.036) [ND(0.036)] | ND(0.035) |
| o-Toluidine | ND(0.37) | ND(0.34) J | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| p-Dimethylaminoazobenzene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Pentachlorobenzene | ND(0.37) | ND(0.34) | 0.065 J | ND(0.37) | 0.11 J [0.12 J] | 0.034 J |
| Pentachloroethane | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Pentachloronitrobenzene | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Pentachlorophenol | ND(0.93) | ND(0.86) | ND(0.88) | ND(0.92) | ND(0.91) [ND(1.8)] | ND(0.88) |
| Phenacetin | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Phenanthrene | 3.8 | 0.98 | 2.5 | 0.90 | 1.1 [1.5] | 0.50 |
| Phenol | 0.52 | 0.89 | 2.0 | ND(0.37) | 1.2 [1.3] | 0.091 J |
| Pronamide | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Pyrene | 6.4 | 0.71 J | 3.6 J | 1.1 J | 1.6 [1.7] | 0.57 J |
| Pyridine | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Safrole | ND(0.37) | ND(0.34) | ND(0.35) | ND(0.37) | ND(0.36) [ND(0.72)] | ND(0.34) |
| Thionazin | NA | NA | NA | NA | ND(0.036) [ND(0.036)] | ND(0.035) |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|
| Location ID: | SL0187 | SL0270 | SL0314 | SL0316 | SL0320 | SL0342 |
| Sample ID: | 081898CT37 | 082598MS28 | 082798MS14 | 082798MS21 | 082898MS10 | 083198MS14 |
| Sample Depth(Feet): | 0-0.5 | 2-2.5 | 0-0.5 | 1-1.5 | 2-2.5 | 0-0.5 |
| Parameter / Date Collected: | 08/18/98 | 08/25/98 | 08/27/98 | 08/27/98 | 08/28/98 | 08/31/98 |
| **Organochlorine Pesticides** | | | | | | |
| 4,4'-DDD | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | ND(19) [ND(18)] | ND(1.8) |
| 4,4'-DDE | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | 24 J [ND(18) J] | ND(1.8) |
| 4,4'-DDT | ND(0.76) | ND(0.18) J | ND(18) | ND(1.1) | R | ND(1.8) |
| Aldrin | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Alpha-BHC | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Alpha-Chlordane | NA | NA | NA | NA | NA | NA |
| Beta-BHC | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Delta-BHC | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Dieldrin | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | ND(19) [ND(18)] | ND(1.8) |
| Endosulfan I | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Endosulfan II | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | ND(19) [ND(18)] | ND(1.8) |
| Endosulfan Sulfate | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | ND(19) [ND(18)] | ND(1.8) |
| Endrin | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | ND(19) [ND(18)] | ND(1.8) |
| Endrin Aldehyde | ND(0.76) | ND(0.18) | ND(18) | ND(1.1) | ND(19) [ND(18)] | ND(1.8) |
| Gamma-BHC (Lindane) | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Gamma-Chlordane | NA | NA | NA | NA | NA | NA |
| Heptachlor | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Heptachlor Epoxide | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Isodrin | ND(0.38) | ND(0.088) | ND(9.0) | ND(0.57) | ND(9.3) [ND(9.2)] | ND(0.88) |
| Kepone | R | R | R | R | R | R |
| Methoxychlor | ND(3.8) | ND(0.88) | ND(90) | ND(5.7) | ND(93) [ND(92)] | ND(8.8) |
| Technical Chlordane | ND(3.8) | ND(0.88) | ND(90) | ND(5.7) | ND(93) [ND(92)] | ND(8.8) |
| Toxaphene | ND(38) | ND(8.8) | ND(900) | ND(57) | ND(930) [ND(920)] | ND(88) |
| **Organophosphate Pesticides** | | | | | | |
| Dimethoate | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| Disulfoton | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| Ethyl Parathion | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| Famphur | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| Methyl Parathion | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| Phorate | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| Sulfotep | NS | NS | NS | NS | ND(0.036) [ND(0.036)] | ND(0.035) |
| **Herbicides** | | | | | | |
| 2,4,5-T | NS | NS | NS | NS | ND(0.0053) [ND(0.0052)] | ND(0.0050) |
| 2,4,5-TP | NS | NS | NS | NS | ND(0.0053) [ND(0.0052)] | ND(0.0050) J |
| 2,4-D | NS | NS | NS | NS | ND(0.052) [ND(0.051)] | ND(0.049) |
| Dinoseb | ND(0.37) | ND(0.34) J | ND(0.35) | ND(0.37) J | ND(0.36) [ND(0.72)] | ND(0.34) |
| **Furans** | | | | | | |
| 2,3,7,8-TCDF | 0.00010 | 0.000058 | 0.00085 | 0.00013 | 0.011 [0.011] | 0.00019 |
| TCDFs (total) | 0.0013 J | 0.00064 J | 0.012 J | 0.0016 J | 0.14 J [0.14 J] | 0.0015 J |
| 1,2,3,7,8-PeCDF | 0.000059 | 0.000025 | 0.0012 | 0.000080 | 0.014 [0.014] | 0.00013 |
| 2,3,4,7,8-PeCDF | 0.000080 | 0.000067 | 0.0021 | 0.00016 | 0.019 [0.020] | 0.00021 |
| PeCDFs (total) | 0.0012 J | 0.00086 J | 0.020 J | 0.0022 J | 0.17 J [0.18 J] | 0.0020 J |
| 1,2,3,4,7,8-HxCDF | 0.00011 | 0.000067 | 0.0070 | 0.00019 | 0.034 [0.035] | 0.00020 |
| 1,2,3,6,7,8-HxCDF | 0.000067 J | 0.000052 | 0.0038 J | 0.00012 | 0.023 [0.025] | 0.00010 |
| 1,2,3,7,8,9-HxCDF | 0.000010 | 0.0000080 | 0.0013 | 0.000025 | 0.0032 [0.0033] | 0.000051 |
| 2,3,4,6,7,8-HxCDF | 0.000073 | 0.000044 | 0.0017 | 0.00014 | 0.0068 [0.0069] | 0.000097 |
| HxCDFs (total) | 0.0012 J | 0.00070 J | 0.027 J | 0.0023 J | 0.14 J [0.15 J] | 0.0017 J |
| 1,2,3,4,6,7,8-HpCDF | 0.00039 J | 0.00012 | 0.0056 | 0.0010 J | 0.042 J [0.044 J] | 0.00042 J |
| 1,2,3,4,7,8,9-HpCDF | 0.000019 | 0.000018 | 0.0017 | 0.000050 | 0.0075 [0.0074] | 0.000057 |
| HpCDFs (total) | 0.00088 J | 0.00023 | 0.0099 | 0.0022 J | 0.061 J [0.063 J] | 0.00083 J |
| OCDF | 0.00084 | 0.000084 | 0.0067 | 0.00003 | 0.040 [0.039] | 0.00041 |
| **Dioxins** | | | | | | |
| 2,3,7,8-TCDD | 0.00011 | 0.0000028 | 0.000011 | 0.0000032 | 0.000050 [0.000050] | 0.0000028 |
| TCDDs (total) | 0.00048 | 0.000014 | 0.00014 | 0.000035 | 0.0013 [0.0014] | 0.000032 |
| 1,2,3,7,8-PeCDD | 0.000011 | 0.0000017 J | 0.000018 J | 0.0000061 J | 0.00015 J [0.00014 J] | 0.0000042 J |
| PeCDDs (total) | 0.00047 | 0.000022 J | 0.00025 J | 0.000067 J | 0.0023 J [0.0020 J] | 0.000037 J |
| 1,2,3,4,7,8-HxCDD | 0.000012 | 0.0000024 | 0.000025 | 0.000015 | 0.00020 [0.00023] | 0.0000052 |
| 1,2,3,6,7,8-HxCDD | 0.000018 | 0.0000037 | 0.000046 | 0.000036 | 0.00030 [0.00030] | 0.000011 |
| 1,2,3,7,8,9-HxCDD | 0.000011 | 0.0000030 | 0.000030 | 0.000016 | 0.00024 [0.00023] | 0.0000050 |
| HxCDDs (total) | 0.00053 | 0.000052 | 0.00054 | 0.00031 | 0.0036 [0.0035] | 0.00011 |
| 1,2,3,4,6,7,8-HpCDD | 0.00028 | 0.000027 | 0.00033 | 0.0011 | 0.0024 [0.0025] | 0.00022 |
| HpCDDs (total) | 0.00054 | 0.000057 | 0.00065 | 0.0020 | 0.0045 [0.0047] | 0.00039 |
| OCDD | 0.0032 | 0.00014 | 0.0010 | 0.012 | 0.0044 [0.0047] | 0.0018 |
| Total TEQs (WHO TEFs) | 0.00021 | 0.000060 | 0.0027 | 0.00018 | 0.019 [0.020] | 0.00019 |

TABLE B-3
EPA APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter | Averaging Area: | 4E | 4E | 4E | 4E | 4E | 4E |
|---|---|---|---|---|---|---|---|
| | Location ID: | SL0187 | SL0270 | SL0314 | SL0316 | SL0320 | SL0342 |
| | Sample ID: | 081898CT37 | 082598MS28 | 082798MS14 | 082798MS21 | 082898MS10 | 083198MS14 |
| | Sample Depth(Feet): | 0-0.5 | 2-2.5 | 0-0.5 | 1-1.5 | 2-2.5 | 0-0.5 |
| | Date Collected: | 08/18/98 | 08/25/98 | 08/27/98 | 08/27/98 | 08/28/98 | 08/31/98 |
| **Inorganics** | | | | | | | |
| Antimony | | 1.50 J | 0.610 J | 10.3 J | 0.970 J | 69.3 J [92.4 J] | R |
| Arsenic | | 9.80 | 5.40 | 9.20 J | 5.20 J | 15.7 [21.7] | R |
| Barium | | 50.6 | 24.7 | 67.2 | 49.6 | 496 J [954 J] | 31.2 |
| Beryllium | | 0.250 J | 0.0490 J | 0.280 | 0.310 | 0.0900 [ND(0.0300)] | ND(0.150) |
| Cadmium | | ND(0.0900) | ND(0.0300) | 1.50 | ND(0.0400) | 8.60 J [14.6 J] | 0.410 |
| Chromium | | 17.9 | 7.20 J | 43.1 J | 25.7 J | 210 [327] | 13.9 J |
| Cobalt | | 4.80 J | 8.20 | 12.4 | 9.00 | 14.4 [22.2] | 6.60 |
| Copper | | 260 | 87.9 J | 357 | 40.2 | 6700 J [4690 J] | 25.8 J |
| Cyanide | | ND(0.580) | ND(0.530) | ND(0.540) | ND(0.560) | R | ND(0.570) |
| Lead | | 99.3 | 31.2 | 433 J | 77.9 J | 3190 [4460] | 35.7 J |
| Mercury | | 0.490 | 0.0900 J | 1.50 | 0.650 | 0.840 [0.940] | 0.110 J |
| Nickel | | 20.0 | 13.8 | 29.6 J | 16.1 J | 68.4 [90.2] | 13.2 |
| Selenium | | 0.620 | 0.650 J | 1.70 J | 1.60 J | 2.80 J [3.90 J] | 0.910 J |
| Silver | | 0.160 J | ND(0.110) | 6.40 | 0.340 | 9.60 J [16.9 J] | R |
| Sulfide | | ND(5.50) | ND(5.00) J | ND(5.20) J | ND(5.50) J | ND(5.40) [ND(5.40)] | ND(5.60) J |
| Thallium | | R | 0.810 | ND(0.470) | ND(0.670) | 0.910 J [1.80 J] | 0.460 J |
| Tin | | 20.4 | 3.10 | 43.6 J | 3.60 J | 396 [430] | 1.70 |
| Vanadium | | 21.9 | 7.50 | 17.6 | 16.0 | 18.4 [24.7] | 15.5 |
| Zinc | | 243 | 65.8 | 693 | 108 | 2990 [4440] | 103 |

Notes:
1. Sample collection and analysis performed by United States Environmental Protection Agency (EPA) Subcontractors. Results provided to GE under a Data Exchange Agreement between GE and EPA.
2. NA - Not Analyzed - Results were not reported for this analyte.
3. ND - Analyte was not detected. The value in parentheses is the associated detection limit.
4. NS - Not Sampled - Parameter was not requested on sample chain of custody form.
5. Total dioxins/furans determined as the sum of the total homolog concentrations; non-detect values considered as zero.
6. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. In Environmental Health Perspectives 106(2), December 1998.

Data Qualifiers:
J - Estimated Value.
R - Rejected.

TABLE B-4
BERKSHIRE GAS COMPANY APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: / Sample ID: / Depth Range: / Parameter / Date Collected: | 4B RAA4-01 6-15 04/25/02 | 4B RAA4-E31 6-15 04/24/02 | 4B RAA4-I23 6-15 04/25/02 | 4B RAA4-K23 6-15 04/25/02 |
|---|---|---|---|---|
| **Semivolatile Organics** | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | 0.694 |
| 1,2,4-Trichlorobenzene | ND(0.0215) | ND(0.381) | 1.16 | 3.64 |
| 1,2-Dichlorobenzene | ND(0.00430) | ND(0.0762) | 0.0667 J | 0.292 |
| 1,3,5-Trinitrobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 1,3-Dichlorobenzene | ND(0.00430) | 0.175 | 0.760 | 2.70 |
| 1,3-Dinitrobenzene | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 1,4-Dichlorobenzene | ND(0.00430) | 0.647 | 1.74 | 14.0 |
| 1,4-Naphthoquinone | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 1-Naphthylamine | ND(0.215) | ND(3.81) | ND(5.05) | ND(4.20) |
| 2,3,4,6-Tetrachlorophenol | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 2,4,5-Trichlorophenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 2,4,6-Trichlorophenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 2,4-Dichlorophenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 2,4-Dimethylphenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 2,4-Dinitrophenol | ND(0.215) | ND(3.81) | ND(5.05) | ND(4.20) |
| 2,4-Dinitrotoluene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 2,6-Dichlorophenol | ND(0.0215) | ND(0.381) | ND(0.505) | 0.701 |
| 2,6-Dinitrotoluene | ND(0.00430) | ND(0.0762) | 37.9 | ND(0.0841) |
| 2-Acetylaminofluorene | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| 2-Chloronaphthalene | ND(0.00430) | ND(0.0762) | 6.45 | ND(0.0841) |
| 2-Chlorophenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 2-Methylnaphthalene | 0.0142 | 115 D | 0.803 | 55.7 |
| 2-Methylphenol | 0.00218 J | ND(0.0762) | 8.12 | 0.378 |
| 2-Naphthylamine | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 2-Nitroaniline | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 2-Nitrophenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 2-Picoline | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 3&4-Methylphenol | 0.184 | ND(0.0762) | 0.394 | 0.135 |
| 3,3'-Dichlorobenzidine | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| 3,3'-Dimethylbenzidine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 3-Methylcholanthrene | ND(0.0215) | ND(0.381) | ND(0.505) | 0.221 J |
| 3-Nitroaniline | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 4,6-Dinitro-2-methylphenol | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| 4-Aminobiphenyl | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 4-Bromophenyl-phenylether | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 4-Chloro-3-Methylphenol | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 4-Chloroaniline | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 4-Chlorobenzilate | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| 4-Chlorophenyl-phenylether | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 4-Nitroaniline | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| 4-Nitrophenol | ND(0.215) | ND(3.81) | ND(5.05) | ND(4.20) |
| 4-Nitroquinoline-1-oxide | ND(0.215) | ND(3.81) | ND(5.05) | ND(4.20) |
| 4-Phenylenediamine | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| 5-Nitro-o-toluidine | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| 7,12-Dimethylbenz(a)anthracene | ND(0.00430) | ND(0.0762) | ND(0.101) | 0.324 |
| a,a'-Dimethylphenethylamine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| Acenaphthene | ND(0.00430) | 49.3 | 4.50 | 33.2 |
| Acenaphthylene | ND(0.00430) | 4.01 | 0.550 | 9.46 |
| Acetophenone | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Aniline | ND(0.0215) | ND(0.381) | 13.7 | 1.16 |
| Anthracene | 0.00301 JB | 32.7 B | 2.16 B | 24.0 B |
| Aramite | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Aramite | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Azobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Benzo(a)anthracene | 0.00993 | 10.2 | 2.33 | 21.4 |
| Benzo(a)pyrene | 0.0123 | 9.59 | 2.38 | 23.5 |
| Benzo(b)fluoranthene | 0.0175 | 4.33 | 1.48 | 10.4 |
| Benzo(g,h,i)perylene | 0.0150 J | 3.49 | 1.40 | 17.5 |
| Benzo(k)fluoranthene | 0.00984 | 5.74 | 1.59 | 12.8 |
| Benzyl Alcohol | 0.0288 J | ND(0.762) | ND(1.01) | ND(0.841) |
| bis(2-Chloroethoxy)methane | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |

TABLE B-4
BERKSHIRE GAS COMPANY APPENDIX IX+3 SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: / Sample ID: / Depth Range: / Parameter / Date Collected: | 4B RAA4-01 6-15 04/25/02 | 4B RAA4-E31 6-15 04/24/02 | 4B RAA4-I23 6-15 04/25/02 | 4B RAA4-K23 6-15 04/25/02 |
|---|---|---|---|---|
| **Semivolatile Organics (continued)** | | | | |
| bis(2-Chloroethyl)ether | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| bis(2-Chloroisopropyl)ether | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| bis(2-Ethylhexyl)phthalate | 0.0242 B | ND(0.381) | 4.86 B | ND(0.420) |
| Butylbenzylphthalate | 0.00651 | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Chrysene | 0.0168 | 9.72 | 1.91 | 21.0 |
| Di-n-Butylphthalate | 0.185 B | ND(0.0762) | 0.710 B | 0.319 B |
| Di-n-Octylphthalate | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Diallate | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Dibenzo(a,h)anthracene | ND(0.0215) | 1.06 | 0.439 J | 4.43 |
| Dibenzofuran | ND(0.0430) | 3.03 | 0.745 J | 3.09 |
| Diethylphthalate | 0.0572 B | ND(0.762) | ND(1.01) | ND(0.841) |
| Dimethylphthalate | ND(0.0215) | ND(0.381) | ND(0.505) | 0.274 J |
| Dinoseb | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Ethyl Methanesulfonate | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Fluoranthene | 0.0175 | 21.8 | 4.45 | 32.4 |
| Fluorene | 0.00488 | 26.0 | 2.86 | 16.9 |
| Hexachlorobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Hexachlorobutadiene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Hexachlorocyclopentadiene | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Hexachloroethane | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Hexachloropropene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Indeno(1,2,3-cd)pyrene | ND(0.0215) | 2.90 | 1.11 | 12.6 |
| Isophorone | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Isosafrole | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| Methapyrilene | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Methyl Methanesulfonate | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| N-Nitroso-di-n-butylamine | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| N-Nitroso-di-n-propylamine | ND(0.00430) | ND(0.0762) | ND(0.101) | 2.59 |
| N-Nitrosodiethylamine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| N-Nitrosodimethylamine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| N-Nitrosodiphenylamine | ND(0.00430) | ND(0.0762) | 24.6 | 4.43 |
| N-Nitrosomethylethylamine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| N-Nitrosomorpholine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| N-Nitrosopiperidine | ND(0.0215) | ND(0.381) | ND(0.505) | ND(0.420) |
| N-Nitrosopyrrolidine | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Naphthalene | 0.0142 | 150 D | 3.41 | 61.4 |
| Nitrobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| o-Toluidine | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| p-Dimethylaminoazobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Pentachlorobenzene | ND(0.00430) | ND(0.0762) | 0.100 J | ND(0.0841) |
| Pentachloronitrobenzene | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Pentachlorophenol | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Phenacetin | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Phenanthrene | 0.0195 B | 65.4 B | 5.88 B | 58.8 B |
| Phenol | 0.0629 | ND(0.0762) | 48.9 | ND(0.0841) |
| Pronamide | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |
| Pyrene | 0.0176 | 32.2 | 5.50 | 52.1 |
| Pyridine | ND(0.0430) | ND(0.762) | ND(1.01) | ND(0.841) |
| Safrole | ND(0.00430) | ND(0.0762) | ND(0.101) | ND(0.0841) |

Notes:
1. Sample collection and analysis performed by Berkshire Gas Company Subcontractors. Samples were submitted to META Environmental, Inc. for analysis of semi-volatile organic compounds using USEPA Method 8270 as modified by the laboratory.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. B - Analyte was also detected in the associated method blank.
4. D - Compound quantitated using a secondary dilution.
5. J - Indicates that the associated numerical value is an estimated concentration.

TABLE B-5
BERKSHIRE GAS COMPANY PAH SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: / Sample ID: / Depth Range: / Date Collected: | 4B<br>A34 0-1'<br>0-1<br>5/16/2002 | 4B<br>A37 6-15'<br>6-15<br>5/15/2002 | 4B<br>B35 6-15'<br>6-15<br>5/15/2002 | 4B<br>C29 1-6'<br>1-6<br>5/21/2002 | 4B<br>C33 0-1'<br>0-1<br>5/20/2002 | 4B<br>C33 1-6'<br>1-6<br>5/20/2002 | 4B<br>C35 1-6'<br>1-6<br>5/17/2002 | 4B<br>C35 6-15'<br>6-15<br>5/17/2002 | 4B<br>D23 6-15'<br>6-15<br>5/30/2002 |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 0.0149 | 39.9 | 1.62 | 0.278 | 0.0939 | 4.39 | 0.369 | 0.0304 | ND(0.00580) |
| Benzene | 0.0204 | 2.21 | 0.00418 J | 0.0961 | 0.123 | 0.260 | 0.329 | 0.0138 | ND(0.00580) |
| m/p-Xylenes | 0.0661 | 39.7 | 0.0577 | 0.284 | 0.108 | 0.870 | 0.557 | 0.0415 | ND(0.00580) |
| o-Xylene | 0.0125 | 23.2 | 0.0702 | 0.144 | 0.0410 J | 1.07 | 0.259 | 0.0186 | ND(0.00580) |
| Styrene | 0.286 | 18.2 | 0.478 | 11.8 | 13.5 | 15.2 | 15.9 D | 0.892 | ND(0.00580) |
| Toluene | 0.121 B | 8.17 B | 0.0855 B | 1.43 B | 0.212 | 0.770 | 0.845 B | 0.131 B | 0.0106 |
| **Semivolatile Organics** | | | | | | | | | |
| 1-Methylnaphthalene | 0.0561 B | 153 D | 5.92 D | 3.09 | 1.02 | 22.9 | 1.29 | 0.245 | ND(0.00580) |
| 2-Methylnaphthalene | 0.101 | 225 D | 1.14 | 4.43 B | 0.626 | 37.8 | 1.15 B | 0.107 B | 0.00357 J |
| Acenaphthene | 0.0431 | 66.8 | 0.489 | 0.880 | 0.230 | 1.37 | 0.287 | 0.102 | ND(0.00580) |
| Acenaphthylene | 0.270 | 112 D | 0.330 | 9.40 | 2.03 | 5.19 | 2.66 | 0.624 | 0.0250 |
| Anthracene | 0.117 | 127 D | 0.367 | 4.00 | 1.10 | 5.84 | 1.25 | 0.331 | 0.0130 |
| Benz(a)anthracene | 0.335 | 58.1 | 0.158 | 9.63 | 3.00 | 9.81 | 2.46 | 0.902 | 0.0339 |
| Benzo(a)pyrene | 0.348 | 47.1 | 0.155 | 10.2 | 2.90 | 9.50 | 3.11 | 0.753 | 0.0362 |
| Benzo(b)fluoranthene | 0.300 | 25.9 | 0.136 | 7.54 | 2.55 | 6.95 | 2.84 | 0.411 | 0.0387 |
| Benzo(g,h,i)perylene | 0.375 B | 29.9 | 0.145 | 12.2 B | 2.92 | 7.27 | 3.27 B | 0.503 B | 0.0300 |
| Benzo(k)fluoranthene | 0.253 | 25.6 | 0.113 | 7.41 | 2.97 | 7.85 | 2.17 | 0.507 | 0.0288 |
| Chrysene | 0.363 | 49.9 | 0.140 | 10.0 | 2.99 | 9.36 | 2.28 | 0.745 | 0.0408 |
| Dibenz(a,h)anthracene | 0.0925 | 7.82 | 0.0230 | 2.79 | 0.813 | 1.73 | 0.719 | 0.0920 | 0.00568 J |
| Dibenzofuran | 0.0265 | 12.9 | 0.344 | 0.405 | 0.255 | 3.00 | 0.245 | 0.0493 | 0.00422 J |
| Ethylbenzene | 0.0239 | 35.0 | 0.178 | 0.266 | 0.714 | 2.98 | 1.49 | 0.0500 | ND(0.00580) |
| Fluoranthene | 0.651 | 92.5 D | 0.435 | 14.0 | 4.57 | 21.8 | 3.50 | 1.33 | 0.0667 |
| Fluorene | 0.0529 | 85.3 D | 1.89 | 1.81 | 0.730 | 4.80 | 0.659 | 0.204 | ND(0.00580) |
| Indeno(1,2,3-cd)pyrene | 0.282 | 23.0 | 0.109 | 8.14 | 2.18 | 5.73 | 2.58 | 0.309 | 0.0248 |
| Naphthalene | 0.187 B | 330 D | 6.53 D | 5.49 B | 1.29 | 1550 D | 3.90 B | 0.252 B | ND(0.00580) |
| Phenanthrene | 0.526 B | 185 D | 2.34 | 15.0 B | 5.20 | 27.2 | 4.26 B | 0.866 B | 0.0307 |
| Pyrene | 0.692 | 130 D | 0.606 | 22.2 | 5.41 | 20.9 | 4.44 | 2.27 | 0.0567 |
| **Alkylated PAHs:** | | | | | | | | | |
| C0-Benzene | 0.0204 | 2.21 | 0.00418 J | 0.0961 | 0.123 | 0.260 | 0.329 | 0.0138 | ND(0.00580) |
| C1-Benzene | 0.145 B | 9.78 B | 0.102 B | 1.72 B | 0.254 | 0.920 | 1.01 B | 0.157 B | 0.0127 |
| C2-Benzene | 0.117 | 109 | 0.375 | 0.897 | 1.12 | 5.83 | 3.18 | 0.143 | 0.00823 |
| C3-Benzene | 0.106 | 112 | 3.35 | 1.59 | 0.798 | 11.8 | 3.56 | 0.248 | 0.0297 |
| C4-Benzene | 0.160 | 40.5 | 4.39 | 1.92 | 0.499 | 10.9 | 3.19 | 0.294 | 0.0558 |
| C5-Benzene | 0.0571 | 8.67 | 2.13 | 1.97 | 0.0936 | 1.30 | 1.33 | 0.346 | 0.0964 |
| C0-Naphthalene | 0.187 B | 330 D | 6.53 D | 5.49 B | 1.29 | 1550 D | 3.90 B | 0.252 B | ND(0.00580) |
| C1-Naphthalene | 0.0885 | 214 D | 4.01 | 4.24 | 0.924 | 32.0 | 1.38 | 0.204 | 0.00366 J |
| C2-Naphthalene | 0.0673 | 169 | 12.0 | 4.71 | 0.921 | 6.69 | 0.879 | 0.378 | 0.0448 |
| C3-Naphthalene | 0.0434 | 43.0 | 11.1 | 3.20 | 0.309 | 1.21 | 0.445 | 0.588 | 0.139 |
| C4-Naphthalene | 0.000450 | 0.490 | ND(0.00560) | 0.0260 | 0.149 | 0.490 | 0.0113 | 0.00883 | 0.451 |
| C0-Fluorene | 0.0529 | 85.3 D | 1.89 | 1.81 | 0.730 | 4.80 | 0.659 | 0.204 | ND(0.00580) |
| C1-Fluorene | 0.0894 | 58.8 | 1.76 | 3.85 | 0.708 | 2.05 | 0.684 | 0.422 | ND(0.00580) |
| C2-Fluorene | 0.0645 | 15.9 | 0.873 | 2.47 | 0.828 | 1.14 | 0.314 | 0.414 | 0.124 |
| C3-Fluorene | 0.0882 | 12.3 | 0.224 | 4.68 | 0.266 | 0.900 | 0.494 | 0.218 | 0.0856 |
| C0-Phenanthrene/Anthracene | 0.662 | 332 D | 2.79 | 19.4 | 6.61 | 34.1 | 5.06 | 1.25 | 0.0515 |
| C1-Phenanthrene/Anthracene | 0.307 | 129 | 1.14 | 14.5 | 2.83 | 7.63 | 2.36 | 1.17 | 0.0975 |
| C2-Phenanthrene/Anthracene | 0.203 | 50.4 | 0.295 | 7.87 | 1.04 | 3.02 | 1.25 | 0.782 | 0.144 |
| C3-Phenanthrene/Anthracene | 0.0785 | 10.6 | 0.108 | 2.69 | 0.311 | 0.820 | 0.456 | 0.251 | 0.0866 |
| C4-Phenanthrene/Anthracene | 0.0262 | 2.10 | 0.0545 | 0.760 | 0.0980 | 0.260 | 0.158 | 0.115 | 0.0342 |
| C0-Dibenzothiophene | 0.0330 | 32.3 | 0.465 | 1.71 | 0.319 | 1.97 | 0.269 | 0.0858 | 0.0839 |
| C1-Dibenzothiophene | 0.0546 | 24.5 | 0.313 | 2.90 | 0.350 | 1.02 | 0.305 | 0.241 | 0.0613 |
| C2-Dibenzothiophene | 0.0614 | 16.7 | 0.138 | 2.78 | 0.227 | 0.720 | 0.300 | 0.266 | 0.0692 |
| C3-Dibenzothiophene | 0.0374 | 5.44 | 0.0888 | 1.29 | 0.162 | 0.370 | 0.157 | 0.151 | 0.0877 |
| C0-Fluoranthene/Pyrene | 1.49 | 277 D | 1.10 | 42.3 | 10.7 | 46.2 | 8.82 | 4.17 | 0.150 |
| C1-Fluoranthene/Pyrene | 0.432 | 123 | 0.338 | 16.5 | 2.90 | 8.76 | 2.72 | 1.59 | 0.0521 |
| C2-Fluoranthene/Pyrene | 0.244 | 32.7 | 0.119 | 6.42 | 1.17 | 3.09 | 1.39 | 0.539 | 0.0361 |
| C3-Fluoranthene/Pyrene | 0.0972 | 8.28 | 0.0403 | 2.64 | 0.255 | 0.800 | 0.636 | 0.128 | 0.0190 |
| C0-Benz(a)anthracene/Chrysene | 0.725 | 112 | 0.313 | 20.3 | 6.22 | 21.3 | 4.89 | 1.70 | 0.0825 |
| C1-Benz(a)anthracene/Chrysene | 0.317 | 46.1 | 0.128 | 10.7 | 1.59 | 3.70 | 2.04 | 0.706 | 0.0268 |
| C2-Benz(a)anthracene/Chrysene | 0.141 | 12.0 | 0.0323 | 4.46 | 0.524 | 1.20 | 0.721 | 0.170 | 0.0130 |
| C3-Benz(a)anthracene/Chrysene | 0.0819 | 2.91 | 0.0240 | 2.13 | 0.130 | 0.370 | 0.378 | 0.0779 | 0.00889 |
| C4-Benz(a)anthracene/Chrysene | 0.0231 | 1.01 | 0.00545 J | 0.523 | 0.147 | 0.110 | 0.222 | 0.0154 | 0.00544 J |

TABLE B-5
BERKSHIRE GAS COMPANY PAH SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Averaging Area: | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B |
|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | D31 6-15' | D36 1-6' | E29 6-15' | E35 6-15' | F29 0-1' | F29 6-15' | G27 0-1' | G27 1-6' | G27 6-15' |
| Depth Range: | 6-15 | 1-6 | 6-15 | 6-15 | 0-1 | 6-15 | 0-1 | 1-6 | 6-15 |
| Parameter / Date Collected: | 5/21/2002 | 5/15/2002 | 5/21/2002 | 5/17/2002 | 5/22/2002 | 5/21/2002 | 5/22/2002 | 5/22/2002 | 5/22/2002 |
| **Volatile Organics** | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 76.0 | 2.17 | 11.0 | 0.0933 | 0.0377 J | 1.33 | 0.233 | 7.16 D | 3.17 |
| Benzene | 0.270 | 1.28 | 3.06 | 0.120 | 0.349 | 0.00801 | ND(0.0717) | 0.0778 | ND(0.133) |
| m/p-Xylenes | 57.7 | 3.11 | 7.31 | 0.246 | 0.0959 | 2.16 | 0.570 | 9.61 D | 3.52 |
| o-Xylene | 38.7 | 1.72 | 5.22 | 0.0757 | 0.0432 J | 0.761 | 0.202 | 2.68 | 0.292 |
| Styrene | 71.6 | 92.4 | 11.9 | 0.710 | 0.289 | 0.168 | 1.24 | 0.0949 | 0.581 |
| Toluene | 19.7 | 3.52 B | 4.38 B | 0.205 B | 0.651 | 1.25 | 1.57 | 1.74 | 0.275 |
| **Semivolatile Organics** | | | | | | | | | |
| 1-Methylnaphthalene | 65.0 | 7.63 | 100 D | 0.645 | 0.154 | 1.50 | 2.08 | 0.651 | 4.98 |
| 2-Methylnaphthalene | 115 | 3.22 | 75.6 B | 0.567 B | 0.180 | 2.92 | 2.91 | 1.19 | 2.38 |
| Acenaphthene | 0.950 | 5.20 | 51.9 | 0.710 | 0.649 | 2.58 | 1.70 | 0.292 | 3.16 |
| Acenaphthylene | 6.69 | 13.8 | 34.2 | 1.09 | 0.450 | 0.0886 | 1.27 | 1.89 | 1.01 |
| Anthracene | 3.84 | 7.36 | 30.1 | 0.797 | 1.50 | 1.51 | 3.10 | 2.69 | 1.92 |
| Benz(a)anthracene | 5.97 | 11.7 | 37.2 | 1.40 | 6.01 | 1.53 | 6.02 | 5.57 | 1.36 |
| Benzo(a)pyrene | 3.31 | 9.16 | 34.2 | 1.70 | 5.94 | 0.824 | 5.45 | 5.40 | 0.977 |
| Benzo(b)fluoranthene | 4.17 | 8.93 | 19.9 | 1.23 | 6.10 | 1.20 | 5.36 | 6.57 | 0.564 |
| Benzo(g,h,i)perylene | 3.60 | 11.4 | 25.2 B | 1.17 B | 6.40 | 1.01 | 4.92 | 4.75 | 0.727 |
| Benzo(k)fluoranthene | 4.57 | 8.14 | 18.3 | 1.11 | 5.35 | 0.975 | 5.04 | 3.35 | 0.719 |
| Chrysene | 6.18 | 12.1 | 30.4 | 1.31 | 6.15 | 1.28 | 5.19 | 4.35 | 1.53 |
| Dibenz(a,h)anthracene | 1.39 | 3.43 | 5.19 | 0.325 | 1.70 | 0.276 | 1.32 | 1.40 | 0.193 |
| Dibenzofuran | 1.30 | 1.73 | 8.06 | 0.208 | 0.304 | 1.87 | 2.33 | 1.04 | 0.615 |
| Ethylbenzene | 12.8 | 28.5 | 14.0 | 0.298 | 0.0389 J | 1.83 | 0.234 | 3.45 | 3.26 |
| Fluoranthene | 9.26 | 19.7 | 53.2 | 2.65 | 12.1 | 4.08 | 13.1 | 16.6 D | 3.41 |
| Fluorene | 5.21 | 5.25 | 33.0 | 0.663 | 0.634 | 1.90 | 3.71 | 1.69 | 2.42 |
| Indeno(1,2,3-cd)pyrene | 3.18 | 8.17 | 17.6 | 1.03 | 4.81 | 0.856 | 3.92 | 4.52 | 0.503 |
| Naphthalene | 493 D | 8.01 | 175 DB | 0.741 B | 0.331 | 1.51 | 4.08 | 2.37 | 9.46 |
| Phenanthrene | 19.9 | 26.5 | 91.8 DB | 2.60 B | 7.83 | 5.89 | 16.7 | 11.5 D | 8.96 |
| Pyrene | 15.9 | 23.1 | 70.7 | 2.67 | 10.3 | 3.19 | 11.0 | 14.0 D | 4.30 |
| **Alkylated PAHs:** | | | | | | | | | |
| C0-Benzene | 0.270 | 1.28 | 3.06 | 0.120 | 0.349 | 0.00801 | ND(0.0717) | 0.0778 | ND(0.133) |
| C1-Benzene | 23.6 | 4.21 B | 5.25 B | 0.246 B | 0.780 | 1.50 | 1.88 | 2.09 | 0.329 |
| C2-Benzene | 117 | 43.3 | 30.8 | 0.721 | 0.204 | 4.23 | 1.13 | 15.9 | 8.09 |
| C3-Benzene | ND(0.150) | 39.6 | 43.4 | 0.560 | 0.214 | 3.43 | 1.04 | 21.0 | 7.47 |
| C4-Benzene | 11.4 | 41.8 | 48.4 | 0.563 | 0.128 | 2.97 | 0.547 | 15.9 | 10.8 |
| C5-Benzene | 0.290 | 17.9 | 32.2 | 0.381 | ND(0.0722) | 0.393 | 0.103 | 1.15 | 3.62 |
| C0-Naphthalene | 493 D | 8.01 | 175 B | 0.741 B | 0.331 | 1.51 | 4.08 | 2.37 | 9.46 |
| C1-Naphthalene | 98.6 | 6.30 | 99.6 | 0.677 | 0.178 | 2.48 | 2.65 | 1.02 | 4.00 |
| C2-Naphthalene | 0.160 | 8.53 | 96.0 | 0.714 | 0.223 | 1.02 | 2.22 | 1.15 | 10.5 |
| C3-Naphthalene | 0.550 | 4.90 | 58.0 | 0.648 | 0.0783 | 0.327 | 0.864 | 0.811 | 10.9 |
| C4-Naphthalene | 0.320 | 0.230 | 0.669 | 0.00643 | 0.145 | 0.172 | 0.386 | 0.583 | 14.1 |
| C0-Fluorene | 5.21 | 5.25 | 33.0 | 0.663 | 0.634 | 1.90 | 3.71 | 1.69 | 2.42 |
| C1-Fluorene | ND(0.150) | 4.38 | 27.2 | 0.586 | 0.780 | 0.259 | 1.68 | 0.973 | 4.18 |
| C2-Fluorene | ND(0.150) | 1.67 | 14.8 | 0.423 | 0.212 | 0.144 | 0.581 | 0.443 | 5.34 |
| C3-Fluorene | ND(0.150) | 4.40 | 9.91 | 0.380 | 0.841 | 0.134 | 0.653 | 0.585 | 2.98 |
| C0-Phenanthrene/Anthracene | 24.8 | 34.5 | 125 D | 3.54 | 9.52 | 7.60 | 20.3 | 14.9 D | 11.3 |
| C1-Phenanthrene/Anthracene | ND(0.150) | 14.3 | 61.7 | 1.83 | 2.10 | 1.14 | 5.26 | 3.29 | 9.14 |
| C2-Phenanthrene/Anthracene | ND(0.150) | 8.83 | 40.9 | 1.11 | 0.906 | 0.590 | 2.25 | 1.56 | 6.49 |
| C3-Phenanthrene/Anthracene | ND(0.150) | 3.74 | 14.4 | 0.564 | 1.33 | 0.258 | 4.85 | 1.40 | 3.49 |
| C4-Phenanthrene/Anthracene | ND(0.150) | 1.32 | 6.36 | 0.174 | 0.163 | 0.193 | 0.233 | 0.270 | 0.604 |
| C0-Dibenzothiophene | 0.160 | 2.02 | 10.4 | 0.245 | 0.451 | 0.459 | 1.17 | 0.735 | 3.38 |
| C1-Dibenzothiophene | ND(0.150) | 2.36 | 12.4 | 0.346 | 0.306 | 0.187 | 0.757 | 0.481 | 2.58 |
| C2-Dibenzothiophene | ND(0.150) | 2.42 | 9.19 | 0.336 | 0.214 | 0.218 | 0.547 | 0.459 | 2.51 |
| C3-Dibenzothiophene | 1.15 | 1.29 | 5.28 | 0.201 | 0.177 | 0.214 | 0.346 | 0.411 | 1.59 |
| C0-Fluoranthene/Pyrene | 28.9 | 46.1 | 149 D | 5.92 | 23.1 | 7.55 | 25.3 | 33.0 D | 9.27 |
| C1-Fluoranthene/Pyrene | ND(0.150) | 17.4 | 64.0 | 1.97 | 3.75 | 1.27 | 5.17 | 4.02 | 3.07 |
| C2-Fluoranthene/Pyrene | ND(0.150) | 7.55 | 19.6 | 1.06 | 3.62 | 0.387 | 2.54 | 2.05 | 0.968 |
| C3-Fluoranthene/Pyrene | ND(0.150) | 3.27 | 6.23 | 0.453 | 1.43 | 0.141 | 0.727 | 0.452 | 0.262 |
| C0-Benz(a)anthracene/Chrysene | 13.2 | 24.9 | 70.8 | 2.73 | 12.4 | 2.95 | 12.9 | 10.4 | 2.82 |
| C1-Benz(a)anthracene/Chrysene | ND(0.150) | 13.4 | 27.5 | 1.46 | 2.20 | 0.428 | 2.32 | 1.90 | 0.765 |
| C2-Benz(a)anthracene/Chrysene | ND(0.150) | 5.65 | 10.6 | 0.742 | 1.10 | 0.191 | 0.949 | 0.676 | 0.227 |
| C3-Benz(a)anthracene/Chrysene | ND(0.150) | 2.16 | 3.36 | 0.454 | 0.788 | 0.123 | 0.371 | 0.383 | 0.0950 J |
| C4-Benz(a)anthracene/Chrysene | ND(0.150) | 0.563 | 0.713 | 0.153 | 0.345 | 0.0415 | 0.158 | 0.197 | ND(0.133) |

TABLE B-5
BERKSHIRE GAS COMPANY PAH SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area | 4B | 4B | 4B | 4B | 4B | 4B | 4D | 4D | 4D |
|---|---|---|---|---|---|---|---|---|---|
| Sample ID | H29 6-15' | K21 6-15' | RAA4-01 | RAA4-E31 | RAA4-I23 | RAA4-K23 | E38 6-15' | E40 0-1' | E41 1-6' |
| Depth Range | 6-15 | 6-15 | 6-15 | 6-15 | 6-15 | 6-15 | 6-15 | 0-1 | 1-6 |
| Date Collected | 5/22/2002 | 6/3/2002 | 4/25/2002 | 4/24/2002 | 4/25/2002 | 4/25/2002 | 5/14/2002 | 5/13/2002 | 5/13/2002 |
| **Volatile Organics** | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 0.196 | 6.18 | 0.00695 | 12.7 | 1.70 | 13.9 | 5.66 | 0.0707 | ND(0.00655) |
| Benzene | 0.0120 | 0.785 | 0.00426 J | 3.15 | 0.177 | 0.368 | 0.236 | 0.0524 | ND(0.00655) |
| m/p-Xylenes | 0.499 | 4.41 | 0.0273 | 6.39 | 1.75 | 3.85 | 2.10 | 0.120 | ND(0.00655) |
| o-Xylene | 0.109 | 1.67 | 0.00304 J | 5.76 | 0.651 | 2.34 | 1.79 | 0.0355 | ND(0.00655) |
| Styrene | 0.238 | 1.36 | ND(0.00534) | 0.979 | 0.536 | 4.27 | 1.45 | 0.155 | ND(0.00655) |
| Toluene | 0.144 | 2.12 | 0.0307 B | 1.45 B | 0.365 B | 0.905 B | 1.38 B | 1.70 B | 0.0287 B |
| **Semivolatile Organics** | | | | | | | | | |
| 1-Methylnaphthalene | 0.121 | 4.72 D | 0.00901 | 137 D | 4.40 | 63.3 D | 124 D | 1.11 | 0.0166 |
| 2-Methylnaphthalene | 0.198 | 7.14 | 0.0153 | 200 D | 0.596 | 80.7 D | 149 D | 1.44 | 0.0261 B |
| Acenaphthene | 0.117 | 3.98 D | 0.00287 J | 114 D | 7.78 | 51.8 | 124 D | 4.01 | 0.0762 |
| Acenaphthylene | 0.0544 | 1.25 | ND(0.00534) | 11.8 | 0.939 | 14.8 D | 62.1 | 0.495 | 0.0207 |
| Anthracene | 0.119 | 7.27 | 0.00298 J | 50.8 | 3.76 | 31.5 | 66.1 | 4.94 | 0.215 |
| Benz(a)anthracene | 0.371 | 2.09 | 0.00943 | 24.8 | 4.30 | 30.2 | 44.6 | 8.04 D | 0.831 |
| Benzo(a)pyrene | 0.250 | 1.49 | 0.00896 | 17.2 | 3.73 | 30.8 | 37.0 | 7.42 | 0.589 |
| Benzo(b)fluoranthene | 0.347 | 1.05 | 0.0150 | 7.76 | 2.66 | 17.5 | 20.7 | 7.83 D | 0.550 |
| Benzo(g,h,i)perylene | 0.231 | 0.880 | 0.0127 | 7.54 | 2.29 | 19.4 | 21.9 | 7.23 | 0.353 B |
| Benzo(k)fluoranthene | 0.287 | 0.889 | 0.00888 | 10.0 | 2.56 | 16.6 | 19.5 | 3.86 | 0.525 |
| Chrysene | 0.364 | 2.08 | 0.0183 | 21.2 | 3.73 | 26.8 | 37.0 | 7.22 | 0.673 |
| Dibenz(a,h)anthracene | 0.0673 | 0.256 | ND(0.00534) | 2.63 | 0.672 | 4.23 | 4.24 | 2.38 | 0.129 |
| Dibenzofuran | 0.0727 | 1.59 | 0.00424 J | 6.77 | 1.19 | 6.11 | 9.56 | 2.33 | 0.0434 |
| Ethylbenzene | 0.190 | 1.00 | 0.00340 J | 15.5 | 2.15 | 8.24 | 3.23 | 0.0291 | ND(0.00655) |
| Fluoranthene | 0.841 | 3.20 | 0.0172 | 39.1 | 8.07 | 43.0 | 87.6 D | 15.5 D | 1.66 |
| Fluorene | 0.111 | 3.67 | 0.00571 | 52.0 | 4.32 | 27.2 | 98.0 D | 3.51 | 0.0826 |
| Indeno(1,2,3-cd)pyrene | 0.205 | 0.670 | 0.00809 | 6.31 | 1.87 | 13.5 | 14.5 | 6.36 | 0.329 |
| Naphthalene | 0.378 | 2.09 | 0.0137 | 238 D | 4.36 | 90.9 | 166 D | 3.09 | 0.0476 B |
| Phenanthrene | 0.780 | 9.55 D | 0.0233 B | 187 DB | 12.0 B | 104 DB | 205 D | 18.0 D | 0.955 B |
| Pyrene | 0.732 | 4.21 | 0.0165 | 56.9 | 9.05 | 67.8 | 119 D | 12.7 D | 1.36 |
| **Alkylated PAHs:** | | | | | | | | | |
| C0-Benzene | 0.0120 | 0.785 | 0.00426 J | 3.15 | 0.177 | 0.368 | 0.236 | 0.0524 | ND(0.00655) |
| C1-Benzene | 0.173 | 2.55 | 0.0368 B | 1.73 B | 0.437 B | 1.08 B | 1.66 B | 2.03 B | 0.0343 B |
| C2-Benzene | 0.889 | 7.75 | 0.0367 | 32.1 | 5.24 | 16.8 | 8.48 | 0.203 | 0.00521 J |
| C3-Benzene | 0.533 | 13.5 | 0.0394 | 34.8 | 4.84 | 35.5 | 16.6 | 0.328 | 0.00758 |
| C4-Benzene | 0.744 | 28.1 | 0.0225 | 45.3 | 9.56 | 71.3 | 15.8 | 0.260 | 0.00482 J |
| C5-Benzene | 0.167 | 7.61 | 0.0123 | 7.51 | 5.30 | 14.9 | 9.48 | 0.154 | 0.00378 J |
| C0-Naphthalene | 0.378 | 2.09 | 0.0137 | 238 | 4.36 | 90.9 D | 166 D | 3.09 | 0.0476 B |
| C1-Naphthalene | 0.177 | 3.69 | 0.0135 | 188 D | 2.86 | 93.5 | 150 D | 1.42 | 0.0246 |
| C2-Naphthalene | 0.211 | 24.9 | 0.0181 | 176 D | 6.11 | 99.2 | 179 | 1.49 | 0.0259 |
| C3-Naphthalene | 0.125 | 13.3 | 0.0112 | 55.8 | 9.67 | 38.2 | 61.8 | 1.00 | 0.0195 |
| C4-Naphthalene | 0.181 | 9.28 | ND(0.00534) | 0.473 | 0.107 | 0.597 | 0.656 | 0.00879 | 0.000300 J |
| C0-Fluorene | 0.111 | 3.67 | 0.00571 | 52.0 | 4.32 | 27.2 | 98.0 D | 3.51 | 0.0826 |
| C1-Fluorene | 0.126 | 2.52 | 0.00912 | 63.8 | 5.38 | 31.5 | 88.4 | 2.30 | 0.0246 |
| C2-Fluorene | 0.0795 | 1.78 | ND(0.00534) | 18.8 | 4.09 | 11.0 | 30.2 | 1.29 | 0.0434 |
| C3-Fluorene | 0.0843 | 1.39 | 0.0114 | 5.32 | 2.07 | 4.67 | 10.4 | 1.94 | 0.0686 |
| C0-Phenanthrene/Anthracene | 0.912 | 9.47 | 0.0261 | 188 D | 16.0 | 124 | 278 D | 23.5 D | 1.23 |
| C1-Phenanthrene/Anthracene | 0.268 | 4.18 | 0.0600 D | 110 | 11.3 | 72.2 | 151 | 7.27 | 0.331 |
| C2-Phenanthrene/Anthracene | 0.165 | 6.04 | 0.0336 | 42.3 | 6.73 | 32.4 | 64.7 | 3.33 | 0.166 |
| C3-Phenanthrene/Anthracene | 0.201 | 2.83 | 0.0185 | 8.43 | 2.48 | 8.25 | 16.2 | 1.11 | 0.0524 |
| C4-Phenanthrene/Anthracene | 0.0321 | 1.33 | 0.00993 | 1.83 | 0.695 | 1.87 | 3.56 | 0.308 | 0.0151 |
| C0-Dibenzothiophene | 0.0481 | 0.834 | 0.00279 J | 21.6 | 1.97 | 10.5 | 14.2 | 1.59 | 0.0487 |
| C1-Dibenzothiophene | 0.0641 | 1.82 | 0.0111 | 23.6 | 3.34 | 12.8 | 12.4 | 0.870 | 0.0362 |
| C2-Dibenzothiophene | 0.0807 | 1.38 | 0.00954 | 16.7 | 2.79 | 9.26 | 9.00 | 0.749 | 0.0243 |
| C3-Dibenzothiophene | 0.115 | 1.18 | ND(0.00534) | 6.86 | 1.63 | 3.62 | 3.11 | 0.312 | 0.0107 |
| C0-Fluoranthene/Pyrene | 1.69 | 9.15 | 0.0377 | 126 | 19.8 | 136 | 257 D | 29.2 D | 3.16 |
| C1-Fluoranthene/Pyrene | 0.454 | 3.47 | 0.0188 | 66.4 | 6.10 | 60.4 | 110 | 6.57 | 0.495 |
| C2-Fluoranthene/Pyrene | 0.197 | 1.86 | 0.0171 | 18.7 | 1.94 | 16.8 | 24.2 | 4.68 | 0.344 |
| C3-Fluoranthene/Pyrene | 0.0461 | 0.797 | 0.0114 | 3.95 | 0.424 | 2.88 | 6.39 | 1.36 | 0.106 |
| C0-Benz(a)anthracene/Chrysene | 0.789 | 4.80 | 0.0270 | 48.1 | 8.42 | 59.9 | 84.7 | 15.7 D | 1.56 |
| C1-Benz(a)anthracene/Chrysene | 0.164 | 2.15 | 0.0211 | 19.3 | 2.16 | 20.3 | 32.5 | 5.73 | 0.441 |
| C2-Benz(a)anthracene/Chrysene | 0.0867 | 1.26 | 0.0164 | 5.68 | 1.08 | 5.54 | 7.65 | 1.99 | 0.108 |
| C3-Benz(a)anthracene/Chrysene | 0.0302 | 0.808 | 0.00990 | 1.27 | 0.470 | 1.18 | 1.85 | 0.932 | 0.0651 |
| C4-Benz(a)anthracene/Chrysene | 0.0170 | 0.389 | 0.00381 J | 0.360 | 0.123 | 0.234 | 0.405 | 0.248 | 0.0162 |

TABLE B-5
BERKSHIRE GAS COMPANY PAH SOIL ANALYTICAL RESULTS

PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

| Parameter / Averaging Area: / Sample ID: / Depth Range: / Date Collected: | 4D<br>E41 6-15'<br>6-15<br>5/13/2002 | 4D<br>F36 6-15'<br>6-15<br>5/14/2002 | 4E<br>K29 6-15'<br>6-15<br>5/29/2002 |
|---|---|---|---|
| **Volatile Organics** | | | |
| 1,2,4-Trimethylbenzene | 0.811 | 0.00394 J | 0.0758 |
| Benzene | ND(0.0577) | ND(0.00593) | 0.00526 |
| m/p-Xylenes | 0.0700 | 0.00642 | 0.0458 |
| o-Xylene | 0.360 | 0.00557 J | 0.0212 |
| Styrene | 0.134 | 0.00306 J | 0.0108 |
| Toluene | 0.617 B | 0.580 B | 0.123 |
| **Semivolatile Organics** | | | |
| 1-Methylnaphthalene | 3.34 | 0.0182 | 0.126 |
| 2-Methylnaphthalene | 0.154 | 0.0308 | 0.0750 |
| Acenaphthene | 2.13 | 0.0134 | ND(0.00489) |
| Acenaphthylene | 0.734 | 0.00503 J | 0.295 |
| Anthracene | 0.928 | 0.0179 | ND(0.00489) |
| Benz(a)anthracene | 0.698 | 0.0380 | ND(0.00489) |
| Benzo(a)pyrene | 0.671 | 0.0268 | ND(0.00489) |
| Benzo(b)fluoranthene | 0.286 | 0.0276 | ND(0.00489) |
| Benzo(g,h,i)perylene | 0.453 | 0.0228 | ND(0.00489) |
| Benzo(k)fluoranthene | 0.357 | 0.0245 | ND(0.00489) |
| Chrysene | 0.611 | 0.0377 | ND(0.00489) |
| Dibenz(a,h)anthracene | 0.0683 | 0.00559 J | ND(0.00489) |
| Dibenzofuran | 0.192 | 0.0104 | ND(0.00489) |
| Ethylbenzene | ND(0.0577) | ND(0.00593) | 0.0109 |
| Fluoranthene | 1.42 | 0.0862 | ND(0.00489) |
| Fluorene | 1.37 | 0.0164 | ND(0.00489) |
| Indeno(1,2,3-cd)pyrene | 0.276 | 0.0161 | ND(0.00489) |
| Naphthalene | 4.86 | 0.0371 | 1.09 |
| Phenanthrene | 4.06 | 0.110 | ND(0.00489) |
| Pyrene | 2.40 | 0.0734 | ND(0.00489) |
| **Alkylated PAHs:** | | | |
| C0-Benzene | ND(0.0577) | ND(0.00593) | 0.00526 |
| C1-Benzene | 0.740 B | 0.695 B | 0.147 |
| C2-Benzene | 0.453 | 0.0145 | 0.0895 |
| C3-Benzene | 2.53 | 0.0236 | 0.301 |
| C4-Benzene | 1.99 | 0.0111 | 0.206 |
| C5-Benzene | 2.19 | 0.00992 | 1.88 |
| C0-Naphthalene | 4.86 | 0.0371 | 1.09 |
| C1-Naphthalene | 2.02 | 0.0276 | 0.117 |
| C2-Naphthalene | 3.77 | 0.0254 | 0.304 |
| C3-Naphthalene | 3.73 | 0.0135 | 0.495 |
| C4-Naphthalene | 0.0908 | 0.00219 | 0.923 |
| C0-Fluorene | 1.37 | 0.0164 | ND(0.00489) |
| C1-Fluorene | 1.39 | 0.00580 J | 0.472 |
| C2-Fluorene | 1.86 | 0.0105 | 0.142 |
| C3-Fluorene | 1.52 | 0.0113 | 0.245 |
| C0-Phenanthrene/Anthracene | 5.12 | 0.131 | 0.225 |
| C1-Phenanthrene/Anthracene | 2.28 | 0.0431 | 0.253 |
| C2-Phenanthrene/Anthracene | 1.31 | 0.0272 | 0.191 |
| C3-Phenanthrene/Anthracene | 0.687 | 0.00769 | 1.32 |
| C4-Phenanthrene/Anthracene | 0.363 | ND(0.00593) | 0.110 |
| C0-Dibenzothiophene | 0.602 | 0.00720 | 0.184 |
| C1-Dibenzothiophene | 0.921 | 0.0118 | 0.0933 |
| C2-Dibenzothiophene | 1.23 | 0.00603 | 0.187 |
| C3-Dibenzothiophene | 0.859 | ND(0.00593) | 0.271 |
| C0-Fluoranthene/Pyrene | 4.48 | 0.166 | ND(0.00489) |
| C1-Fluoranthene/Pyrene | 1.49 | 0.0324 | ND(0.00489) |
| C2-Fluoranthene/Pyrene | 0.425 | 0.0232 | 0.171 |
| C3-Fluoranthene/Pyrene | 0.163 | 0.00825 | 0.0116 |
| C0-Benz(a)anthracene/Chrysene | 1.34 | 0.0779 | 0.0280 |
| C1-Benz(a)anthracene/Chrysene | 0.478 | 0.0238 | 0.0222 |
| C2-Benz(a)anthracene/Chrysene | 0.114 | 0.00876 | ND(0.00489) |
| C3-Benz(a)anthracene/Chrysene | 0.0742 | 0.00726 | ND(0.00489) |
| C4-Benz(a)anthracene/Chrysene | 0.0429 J | ND(0.00593) | ND(0.00489) |

**TABLE B-5**
**BERKSHIRE GAS COMPANY PAH SOIL ANALYTICAL RESULTS**

**PRE-DESIGN INVESTIGATION REPORT FOR THE EAST STREET AREA 2-SOUTH REMOVAL ACTION**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

Notes:

1. Sample collection and analysis performed by Berkshire Gas Company Subcontractors. Samples were submitted to META Environment for analysis of semi-volatile organic compounds using USEPA Method 8270 as modified by the laboratory.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. B - Analyte was also detected in the associated method blank.
4. D - Compound quantitated using a secondary dilution.
5. J - Indicates that the associated numerical value is an estimated concentration