

## **APPENDIX H**

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### Historical Investigation Analytical Data

**APPENDIX C - TABLE C1**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL VOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)<br>Laboratory Identification<br>Date Sampled | Part 375 Restricted Use<br>Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use <sup>(2)</sup> | NYSDEC<br>Recommended Soil<br>Cleanup Objective <sup>(1)</sup> | WS-SB01(19.5-20)<br>A6365201<br>04/05/2006 | WS-SB02(25.5-26)<br>A6365206<br>04/05/2006 | WS-SB02(5.5-6)<br>A6365205<br>04/05/2006 | WS-SB03(22.5-23)<br>A6383903ML<br>04/06/2006 | WS-SB03(25.5-26)<br>A6383905ML<br>04/06/2006 | WS-SB04(21.5-22)<br>A6449003<br>04/24/2006 | WS-SB05(24.7-25.2)<br>A6365203<br>04/05/2006 |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------|----------------------------------------------|
| <b>Volatile Organic Compounds (µg/kg)</b>                             |                                                                                                            |                                                                |                                            |                                            |                                          |                                              |                                              |                                            |                                              |
| 2-Butanone                                                            | --                                                                                                         | 300                                                            | 30 U                                       | 28 J                                       | 40,000 U                                 | 780 U                                        | 760 U                                        | 26 U                                       | 7.0 J                                        |
| Acetone                                                               | 1,000,000                                                                                                  | 200                                                            | 30 U                                       | 180 U                                      | 40,000 U                                 | 780 U                                        | 760 U                                        | 26 U                                       | 38 UJ                                        |
| Benzene                                                               | 89,000                                                                                                     | 60                                                             | 6.0 U                                      | 37 U                                       | 22,000                                   | 990                                          | 150 U                                        | 5.0 U                                      | 2.0 J                                        |
| Carbon Disulfide                                                      | --                                                                                                         | 2700                                                           | 6.0 U                                      | 37 U                                       | 8,100 U                                  | 160 U                                        | 150 U                                        | 5.0 U                                      | 13 J                                         |
| Carbon Tetrachloride                                                  | 44,000                                                                                                     | 600                                                            | 6.0 U                                      | 37 U                                       | 8,100 U                                  | 160 U                                        | 150 U                                        | 5.0 U                                      | 8.0 UJ                                       |
| Chlorobenzene                                                         | 1,000,000                                                                                                  | 1,700                                                          | 6.0 UJ                                     | 37 U                                       | 8,100 U                                  | 160 U                                        | 150 U                                        | 5.0 U                                      | 8.0 UJ                                       |
| Ethyl Benzene                                                         | 780,000                                                                                                    | 5,500                                                          | 6.0 U                                      | 370                                        | 230,000                                  | 22,000 D                                     | 820                                          | 5.0 U                                      | 8.0 UJ                                       |
| Methylene Chloride                                                    | 1,000,000                                                                                                  | 100                                                            | 6.0 U                                      | 8.0 J                                      | 8,100 U                                  | 160 U                                        | 150 U                                        | 5.0 U                                      | 8.0 UJ                                       |
| Styrene                                                               | --                                                                                                         | --                                                             | 6.0 U                                      | 37 U                                       | 8,100 U                                  | 160 U                                        | 200                                          | 5.0 U                                      | 8.0 UJ                                       |
| Toluene                                                               | 1,000,000                                                                                                  | 1,500                                                          | 6.0 U                                      | 37 U                                       | 52,000                                   | 570                                          | 120 J                                        | 5.0 U                                      | 8.0 UJ                                       |
| Total Xylenes                                                         | 1,000,000                                                                                                  | 1,200                                                          | 18 U                                       | 190                                        | 340,000                                  | 14,000                                       | 970                                          | 16 U                                       | 23 UJ                                        |
| <b>Total VOCs (µg/kg)</b>                                             | --                                                                                                         | --                                                             | ND                                         | 600                                        | 640,000                                  | 38,000                                       | 2,100                                        | ND                                         | 22                                           |

See notes page following table

**APPENDIX C - TABLE C1**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL VOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)<br>Laboratory Identification<br>Date Sampled | Part 375 Restricted Use<br>Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use <sup>(2)</sup> | NYSDEC<br>Recommended Soil<br>Cleanup Objective <sup>(1)</sup> | WS-SB06(25-25.5)<br>A6383907<br>04/06/2006 | WS-SB07(20.3-20.5)<br>A6383909<br>04/06/2006 | WS-SB07A(23.2-23.8)<br>04/27/2006<br>A6456205 | WS-SB08(21.2-21.6)<br>A6449006<br>04/25/2006 | WS-SB08(26.8-27.2)<br>A6449009<br>04/25/2006 | WS-SB09(21-22)<br>A6456302<br>04/26/2006 | WS-SB10(21.5-22)<br>A6449005<br>04/24/2006 |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------|----------------------------------------------|-----------------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------|--------------------------------------------|
| <b>Volatile Organic Compounds (µg/kg)</b>                             |                                                                                                            |                                                                |                                            |                                              |                                               |                                              |                                              |                                          |                                            |
| 2-Butanone                                                            | --                                                                                                         | 300                                                            | 32 U                                       | 29 U                                         | 30 U                                          | 770 U                                        | 35 UJ                                        | 18 J                                     | 29 U                                       |
| Acetone                                                               | 1,000,000                                                                                                  | 200                                                            | 38 J                                       | 29 U                                         | 30 U                                          | 770 U                                        | 35 U                                         | 79                                       | 29 U                                       |
| Benzene                                                               | 89,000                                                                                                     | 60                                                             | 6.0 U                                      | 6.0 U                                        | 6.0 U                                         | 5,300                                        | 19,000 D                                     | 11 J                                     | 6.0 U                                      |
| Carbon Disulfide                                                      | --                                                                                                         | 2700                                                           | 6.0 U                                      | 6.0 U                                        | 2.0 J                                         | 150 U                                        | 4.0 J                                        | 6.0 U                                    | 2.0 J                                      |
| Carbon Tetrachloride                                                  | 44,000                                                                                                     | 600                                                            | 6.0 U                                      | 6.0 U                                        | 6.0 U                                         | 150 U                                        | 7.0 U                                        | 6.0 U                                    | 6.0 U                                      |
| Chlorobenzene                                                         | 1,000,000                                                                                                  | 1,700                                                          | 6.0 U                                      | 6.0 U                                        | 6.0 UJ                                        | 150 U                                        | 7.0 U                                        | 6.0 U                                    | 6.0 U                                      |
| Ethyl Benzene                                                         | 780,000                                                                                                    | 5,500                                                          | 6.0 U                                      | 6.0 U                                        | 6.0 U                                         | 92,000 D                                     | 220,000 D                                    | 730 DJ                                   | 50                                         |
| Methylene Chloride                                                    | 1,000,000                                                                                                  | 100                                                            | 6.0 U                                      | 6.0 U                                        | 9.0 U                                         | 150 U                                        | 7.0 U                                        | 7.0 J                                    | 6.0 U                                      |
| Styrene                                                               | --                                                                                                         | --                                                             | 6.0 U                                      | 6.0 U                                        | 6.0 U                                         | 150 U                                        | 7.0 U                                        | 6.0 U                                    | 6.0 U                                      |
| Toluene                                                               | 1,000,000                                                                                                  | 1,500                                                          | 6.0 U                                      | 6.0 U                                        | 6.0 UJ                                        | 2,200                                        | 18,000 D                                     | 60 J                                     | 6.0 U                                      |
| Total Xylenes                                                         | 1,000,000                                                                                                  | 1,200                                                          | 19 U                                       | 17 U                                         | 18 U                                          | 90,000 DJ                                    | 260,000 D                                    | 2,200 DJ                                 | 66                                         |
| <b>Total VOCs (µg/kg)</b>                                             | --                                                                                                         | --                                                             | 38                                         | ND                                           | 2.0                                           | 190,000                                      | 520,000                                      | 3,100                                    | 120                                        |

See notes page following table

**APPENDIX C - TABLE C1**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL VOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)<br>Laboratory Identification<br>Date Sampled | Part 375 Restricted Use<br>Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use <sup>(2)</sup> | NYSDEC<br>Recommended Soil<br>Cleanup Objective <sup>(1)</sup> | WS-SB11(23.5-24)<br>A6456301<br>04/26/2006 |    | WS-SB12(9.5-10)<br>A6456201<br>04/27/2006 |   | WS-SB13(23-23.5)<br>04/27/2006<br>A6456203 |   | WS-SB14(15.1-15.5)<br>A6466201<br>04/27/2006 |   | WS-SB15(17-17.5)<br>A6466203<br>04/28/2006 |   | WS-SB15A(21-22)<br>A6466205<br>04/28/2006 |   | WS-SB15A(22.7-23.3)<br>A6466206<br>04/28/2006 |   | WS-TP01<br>A6365209<br>04/04/2006 |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------|----|-------------------------------------------|---|--------------------------------------------|---|----------------------------------------------|---|--------------------------------------------|---|-------------------------------------------|---|-----------------------------------------------|---|-----------------------------------|
| <b>Volatile Organic Compounds (µg/kg)</b>                             |                                                                                                            |                                                                |                                            |    |                                           |   |                                            |   |                                              |   |                                            |   |                                           |   |                                               |   |                                   |
| 2-Butanone                                                            | --                                                                                                         | 300                                                            | 29                                         | U  | 14                                        | J | 740                                        | U | 29                                           | U | 33                                         | U | 28                                        | U | 30                                            | U | 42 U                              |
| Acetone                                                               | 1,000,000                                                                                                  | 200                                                            | 27                                         | J  | 79                                        |   | 740                                        | U | 29                                           | U | 33                                         | U | 28                                        | U | 30                                            | U | 42 U                              |
| Benzene                                                               | 89,000                                                                                                     | 60                                                             | 1.0                                        | J  | 24                                        |   | 150                                        | U | 20                                           |   | 7.0                                        | U | 1.0                                       | J | 2.0                                           | J | 8.0 U                             |
| Carbon Disulfide                                                      | --                                                                                                         | 2700                                                           | 2.0                                        | J  | 1.0                                       | J | 150                                        | U | 6.0                                          | U | 7.0                                        | U | 1.0                                       | J | 2.0                                           | J | 8.0 U                             |
| Carbon Tetrachloride                                                  | 44,000                                                                                                     | 600                                                            | 6.0                                        | U  | 6.0                                       | U | 150                                        | U | 6.0                                          | U | 7.0                                        | U | 6.0                                       | U | 6.0                                           | U | 8.0 U                             |
| Chlorobenzene                                                         | 1,000,000                                                                                                  | 1,700                                                          | 6.0                                        | UJ | 6.0                                       | U | 150                                        | U | 6.0                                          | U | 7.0                                        | U | 6.0                                       | U | 6.0                                           | U | 8.0 U                             |
| Ethyl Benzene                                                         | 780,000                                                                                                    | 5,500                                                          | 6.0                                        |    | 4,400                                     | D | 1,800                                      |   | 3.0                                          | J | 7.0                                        | U | 6.0                                       | U | 7.0                                           |   | 4.0 J                             |
| Methylene Chloride                                                    | 1,000,000                                                                                                  | 100                                                            | 6.0                                        | U  | 10                                        | J | 150                                        | U | 14                                           | J | 16                                         | J | 11                                        | J | 10                                            | J | 8.0 U                             |
| Styrene                                                               | --                                                                                                         | --                                                             | 6.0                                        | U  | 6.0                                       | U | 730                                        |   | 18                                           |   | 7.0                                        | U | 6.0                                       | U | 6.0                                           | U | 8.0 U                             |
| Toluene                                                               | 1,000,000                                                                                                  | 1,500                                                          | 6.0                                        | UJ | 120                                       | J | 180                                        | J | 29                                           | J | 7.0                                        | U | 6.0                                       | U | 6.0                                           | U | 8.0 U                             |
| Total Xylenes                                                         | 1,000,000                                                                                                  | 1,200                                                          | 17                                         | U  | 13,000                                    | D | 3,900                                      |   | 78                                           |   | 20                                         | U | 17                                        | U | 3.0                                           | J | 25 U                              |
|                                                                       |                                                                                                            |                                                                |                                            |    |                                           |   |                                            |   |                                              |   |                                            |   |                                           |   |                                               |   |                                   |
| <b>Total VOCs (µg/kg)</b>                                             | --                                                                                                         | --                                                             | 36                                         |    | 18,000                                    |   | 6,600                                      |   | 160                                          |   | 16                                         |   | 13                                        |   | 24                                            |   | 4.0                               |

See notes page following table

**APPENDIX C - TABLE C1**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL VOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

Notes:

<sup>(1)</sup> NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels (NYSDEC, Jan. 1994)

<sup>(2)</sup> Part 375 Restricted Use Soil Cleanup Objectives for Restricted Industrial Property Use

-- = Cleanup objective not listed

NA = Not Analyzed

ND = Not Detected

MDL = Minimum Detection Limit

U = The material was analyzed for but not detected at or above the MDL. The associated numerical value is the sample reporting limit.

D = The concentration indicated was obtained from a diluted analytical run.

J = The associated numerical value is an estimated quantity.

R = The result was rejected because one or more QC measures did not meet acceptable criteria.

Bold highlighted value - compound detected above regulatory standard or guidance value in Part 375 SCOs or TAGM 4046.

**APPENDIX C - TABLE C2**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL SVOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)                | Part 375 Restricted Use<br>Laboratory Identification<br>Date Sampled | Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use <sup>(2)</sup> | NYSDEC Recommended<br>Soil Cleanup Objective <sup>(1)</sup> | WS-SB01(19-20)<br>A6365202<br>04/05/2006 | WS-SB02(5.5-6)<br>A6365207<br>04/05/2006 | WS-SB02(25-25.5)<br>A6365208<br>04/05/2006 | WS-SB03(22.5-23.5)<br>A6383904<br>04/06/2006 | WS-SB03(25.5-26.5)<br>A6383906<br>04/06/2006 | WS-SB04(21-22)<br>A6449002<br>04/24/2006 | WS-SB05(24.7-26.5)<br>A6365204<br>04/05/2006 | WS-SB06(24.6-25.6)<br>A6383908<br>04/06/2006 | WS-SB07(20-20.7)<br>A6383910<br>04/06/2006 | WS-SB07A(23-24)<br>A6456206<br>04/27/2006 | WS-SB08(20-21.5)<br>A6449007<br>04/25/2006 |
|-----------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|
| Semi-Volatile Organic Compounds (µg/kg) |                                                                      |                                                                                 |                                                             |                                          |                                          |                                            |                                              |                                              |                                          |                                              |                                              |                                            |                                           |                                            |
| 2-Methylnaphthalene                     | --                                                                   |                                                                                 | 36,400                                                      | 500 J                                    | 2,600,000 D                              | 2,800 J                                    | 140,000                                      | 3,400                                        | 30 J                                     | 2,200 J                                      | 420 U                                        | 1,800 U                                    | 360 U                                     | 150,000                                    |
| Acenaphthene                            | 1,000,000                                                            | 50,000                                                                          | 2,000 U                                                     | 900,000                                  | 11,000                                   | 220,000                                    | 7,800                                        | 360 U                                        | 7,200                                    | 84 J                                         | 1,800 U                                      | 1,200                                      | 250,000                                   |                                            |
| Acenaphthylene                          | 1,000,000                                                            | 41,000                                                                          | 520 J                                                       | 86,000 J                                 | 2,800 J                                  | 20,000                                     | 2,400                                        | 360 U                                        | 7,100                                    | 23 J                                         | 96 J                                         | 480 J                                      | 29,000 J                                  |                                            |
| Anthracene                              | 1,000,000                                                            | 50,000                                                                          | 140 J                                                       | 450,000                                  | 8,100 J                                  | 92,000                                     | 6,400                                        | 360 U                                        | 17,000                                   | 59 J                                         | 200 J                                        | 1,300                                      | 140,000 J                                 |                                            |
| Benz(a)anthracene                       | 11000                                                                | 224/MDL                                                                         | 840 J                                                       | 200,000                                  | 5,900 J                                  | 55,000                                     | 4,100                                        | 360 U                                        | 12,000                                   | 240 J                                        | 830 J                                        | 1,600                                      | 100,000 J                                 |                                            |
| Benzo(a)pyrene                          | 1100                                                                 | 61/MDL                                                                          | 920 J                                                       | 160,000                                  | 4,400 J                                  | 35,000                                     | 2,200                                        | 360 U                                        | 7,100                                    | 190 J                                        | 770 J                                        | 1,100                                      | 76,000                                    |                                            |
| Benzo(b)fluoranthene                    | 11,000                                                               | 1,100                                                                           | 660 J                                                       | 130,000                                  | 3,800 J                                  | 41,000                                     | 2,200                                        | 360 U                                        | 5,500                                    | 230 J                                        | 780 J                                        | 1,100                                      | 87,000 J                                  |                                            |
| Benzo(g,h,i)perylene                    | 1,000,000                                                            | 50,000                                                                          | 450 J                                                       | 66,000 J                                 | 1,600 J                                  | 15,000 J                                   | 770 J                                        | 360 U                                        | 2,300 J                                  | 150 J                                        | 520 J                                        | 330 J                                      | 43,000 J                                  |                                            |
| Benzo(k)fluoranthene                    | 110,000                                                              | 1,100                                                                           | 290 J                                                       | 65,000 J                                 | 1,700 J                                  | 43,000 J                                   | 780 J                                        | 360 U                                        | 2,600 J                                  | 78 J                                         | 340 J                                        | 380                                        | 93,000 J                                  |                                            |
| Chrysene                                | 110000                                                               | 400                                                                             | 750 J                                                       | 150,000                                  | 5,400 J                                  | 46,000                                     | 3,000                                        | 360 U                                        | 12,000                                   | 210 J                                        | 640 J                                        | 1,200                                      | 90,000 J                                  |                                            |
| Dibenz(a,h)anthracene                   | 1100                                                                 | 14/MDL                                                                          | 140 J                                                       | 19,000 J                                 | 720 J                                    | 5,900 J                                    | 340 J                                        | 360 U                                        | 790 J                                    | 43 J                                         | 140 J                                        | 150 J                                      | 14,000 J                                  |                                            |
| Fluoranthene                            | 1,000,000                                                            | 50,000                                                                          | 1,200 J                                                     | 480,000                                  | 12,000                                   | 110,000                                    | 8,300                                        | 360 U                                        | 21,000                                   | 380 J                                        | 1,200 J                                      | 3,300                                      | 180,000 J                                 |                                            |
| Fluorene                                | 1,000,000                                                            | 50,000                                                                          | 2,000 U                                                     | 510,000                                  | 7,500 J                                  | 120,000                                    | 7,200                                        | 360 U                                        | 10,000                                   | 420 U                                        | 1,800 U                                      | 1,100                                      | 180,000                                   |                                            |
| Indeno(1,2,3-cd)pyrene                  | 11,000                                                               | 3,200                                                                           | 380 J                                                       | 58,000 J                                 | 1,500 J                                  | 13,000 J                                   | 760 J                                        | 360 U                                        | 1,900 J                                  | 120 J                                        | 430 J                                        | 380                                        | 33,000 J                                  |                                            |
| Naphthalene                             | 1,000,000                                                            | 13,000                                                                          | 980 J                                                       | 3,300,000 D                              | 5,700 J                                  | 500,000 D                                  | 5,900                                        | 360 U                                        | 4,400                                    | 92 J                                         | 1,800 U                                      | 360 U                                      | 330,000                                   |                                            |
| Phenanthrene                            | 1,000,000                                                            | 50,000                                                                          | 160 J                                                       | 1,200,000                                | 13,000                                   | 320,000                                    | 22,000                                       | 360 U                                        | 14,000                                   | 140 J                                        | 680 J                                        | 1,500                                      | 490,000                                   |                                            |
| Pyrene                                  | 1,000,000                                                            | 50,000                                                                          | 1,800 J                                                     | 510,000                                  | 14,000                                   | 130,000                                    | 9,100                                        | 360 U                                        | 26,000                                   | 340 J                                        | 1,100 J                                      | 2,900                                      | 210,000 J                                 |                                            |
| Total PAHs (µg/kg)                      |                                                                      |                                                                                 | 500,000                                                     | 9,700                                    | 11,000,000                               | 100,000                                    | 1,900,000                                    | 87,000                                       | 30                                       | 150,000                                      | 2,400                                        | 7,700                                      | 18,000                                    | 2,500,000                                  |
| Total CPAHs (µg/kg)                     |                                                                      |                                                                                 | --                                                          | 4,000                                    | 780,000                                  | 23,000                                     | 240,000                                      | 13,000                                       | ND                                       | 42,000                                       | 1,100                                        | 3,900                                      | 5,900                                     | 490,000                                    |
| 2,4-Dimethylphenol                      |                                                                      | NL                                                                              | 2,000 U                                                     | 100,000 U                                | 8,200 U                                  | 20,000 U                                   | 1,900 U                                      | 360 U                                        | 4,300 U                                  | 420 U                                        | 1,800 U                                      | 360 U                                      | 76,000 U                                  |                                            |
| Bis(2-ethylhexyl) phthalate             |                                                                      | 50,000                                                                          | 2,000 U                                                     | 100,000 U                                | 8,200 U                                  | 20,000 U                                   | 1,900 U                                      | 120 J                                        | 4,300 U                                  | 420 U                                        | 1,800 U                                      | 360 U                                      | 76,000 U                                  |                                            |
| Dibenzofuran                            |                                                                      | 6,200                                                                           | 2,000 U                                                     | 150,000                                  | 930 J                                    | 32,000                                     | 2,000                                        | 360 U                                        | 480 J                                    | 420 U                                        | 1,800 U                                      | 820                                        | 18,000 J                                  |                                            |
| N-nitrosodiphenylamine                  |                                                                      | NL                                                                              | 2,000 U                                                     | 100,000 U                                | 8,200 U                                  | 20,000 U                                   | 1,900 U                                      | 360 U                                        | 4,300 U                                  | 420 U                                        | 1,800 U                                      | 360 U                                      | 76,000 U                                  |                                            |
| Total Cresols                           | 1000000                                                              | NL                                                                              | 3,900 U                                                     | 200,000 U                                | 16,000 U                                 | 40,000 U                                   | 3,700 U                                      | 710 U                                        | 8,600 U                                  | 840 U                                        | 3,600 U                                      | 710 U                                      | 150,000 U                                 |                                            |
| Total SVOCs (µg/kg) <sup>(3)</sup>      |                                                                      |                                                                                 | 500,000                                                     | 9,700                                    | 11,000,000                               | 100,000                                    | 1,900,000                                    | 89,000                                       | 150                                      | 150,000                                      | 2,400                                        | 7,700                                      | 19,000                                    | 2,500,000                                  |

**APPENDIX C - TABLE C2**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL SVOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)<br>Laboratory Identification<br>Date Sampled | Part 375 Restricted Use<br>Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use <sup>(2)</sup> | NYSDEC Recommended<br>Soil Cleanup Objective <sup>(1)</sup> | WS-SB08(26-27.2)<br>A6449008<br>04/25/2006 | WS-SB09(21-22)<br>A6456302<br>04/26/2006 | WS-SB10(21-22)<br>A6449004<br>04/24/2006 | WS-SB11(23.5-24)<br>A6456301<br>04/26/2006 | WS-SB12(8-10)<br>A6456202<br>04/27/2006 | WS-SB13(22.5-23.8)<br>A6456204<br>04/27/2006 | WS-SB14(14-15.5)<br>A6466202<br>04/27/2006 | WS-SB15(17.5-18)<br>A6466204<br>04/28/2006 | WS-SB15A(22.7-24)<br>A6466207<br>04/28/2006 | WS-TP01<br>A6365210<br>04/04/2006 |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------------------|-----------------------------------------|----------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------|-----------------------------------|
| <b>Semi-Volatile Organic Compounds (µg/kg)</b>                        |                                                                                                            |                                                             |                                            |                                          |                                          |                                            |                                         |                                              |                                            |                                            |                                             |                                   |
| 2-Methylnaphthalene                                                   | --                                                                                                         | 36,400                                                      | 31,000                                     | 6,400 J                                  | 120 J                                    | 400 U                                      | 7,800 U                                 | 170,000 J                                    | 3,200,000 J                                | 77,000 U                                   | 360 U                                       | 500 J                             |
| Acenaphthene                                                          | 1,000,000                                                                                                  | 50,000                                                      | 62,000                                     | 83,000 DJ                                | 2,100                                    | 3,100                                      | 2,800 J                                 | 49,000                                       | 290,000 J                                  | 16,000 J                                   | 8,700 D                                     | 2,400 U                           |
| Acenaphthylene                                                        | 1,000,000                                                                                                  | 41,000                                                      | 5,500 J                                    | 3,800 J                                  | 1,000                                    | 950                                        | 33,000                                  | 62,000                                       | 1,700,000                                  | 81,000 J                                   | 2,500                                       | 2,400 U                           |
| Anthracene                                                            | 1,000,000                                                                                                  | 50,000                                                      | 33,000                                     | 51,000 DJ                                | 800 J                                    | 2,700                                      | 26,000                                  | 70,000                                       | 2,700,000                                  | 130,000 J                                  | 5,100                                       | 2,400 U                           |
| Benz(a)anthracene                                                     | 11000                                                                                                      | 224/MDL                                                     | 28,000                                     | 39,000 D                                 | 620 J                                    | 5,300                                      | 82,000                                  | 51,000                                       | 2,000,000                                  | 150,000 J                                  | 2,700                                       | 2,400 U                           |
| Benzo(a)pyrene                                                        | 1100                                                                                                       | 61/MDL                                                      | 15,000                                     | 18,000 DJ                                | 420                                      | 2,700                                      | 70,000                                  | 33,000                                       | 1,300,000                                  | 110,000                                    | 1,900                                       | 2,400 U                           |
| Benzo(b)fluoranthene                                                  | 11,000                                                                                                     | 1,100                                                       | 17,000                                     | 21,000 DJ                                | 470 J                                    | 3,400                                      | 110,000 J                               | 48,000 J                                     | 2,100,000 J                                | 150,000                                    | 1,900 J                                     | 2,400 U                           |
| Benzo(g,h,i)perylene                                                  | 1,000,000                                                                                                  | 50,000                                                      | 5,600 J                                    | 3,500 J                                  | 240 J                                    | 680                                        | 22,000                                  | 11,000 J                                     | 430,000 J                                  | 38,000 J                                   | 510                                         | 2,400 U                           |
| Benzo(k)fluoranthene                                                  | 110,000                                                                                                    | 1,100                                                       | 5,900 J                                    | 9,500 DJ                                 | 500 J                                    | 1,100                                      | 110,000 J                               | 49,000 J                                     | 2,100,000 J                                | 40,000 J                                   | 1,900 J                                     | 2,400 U                           |
| Chrysene                                                              | 110000                                                                                                     | 400                                                         | 21,000                                     | 4,800 J                                  | 600 J                                    | 3,100                                      | 80,000                                  | 40,000                                       | 1,400,000 J                                | 120,000 J                                  | 2,200                                       | 2,400 U                           |
| Dibenz(a,h)anthracene                                                 | 1100                                                                                                       | 14/MDL                                                      | 2,400 J                                    | 2,400                                    | 83 J                                     | 300 J                                      | 11,000                                  | 4,700 J                                      | 180,000 J                                  | 13,000 J                                   | 150 J                                       | 2,400 U                           |
| Fluoranthene                                                          | 1,000,000                                                                                                  | 50,000                                                      | 68,000                                     | 100,000 D                                | 1,200 J                                  | 13,000 D                                   | 100,000                                 | 110,000                                      | 4,600,000                                  | 400,000                                    | 5,100                                       | 2,400 U                           |
| Fluorene                                                              | 1,000,000                                                                                                  | 50,000                                                      | 47,000                                     | 63,000 DJ                                | 1,200                                    | 3,000                                      | 9,700                                   | 82,000                                       | 2,900,000                                  | 98,000                                     | 5,700                                       | 2,400 U                           |
| Indeno(1,2,3-cd)pyrene                                                | 11,000                                                                                                     | 3,200                                                       | 5,400 J                                    | 4,200 J                                  | 170 J                                    | 830                                        | 24,000                                  | 12,000 J                                     | 480,000 J                                  | 44,000 J                                   | 410                                         | 2,400 U                           |
| Naphthalene                                                           | 1,000,000                                                                                                  | 13,000                                                      | 67,000                                     | 32,000 J                                 | 240 J                                    | 400 U                                      | 7,800 U                                 | 320,000 J                                    | 12,000,000 J                               | 95,000 U                                   | 360 U                                       | 1,100 J                           |
| Phenanthrene                                                          | 1,000,000                                                                                                  | 50,000                                                      | 140,000                                    | 180,000 DJ                               | 3,900                                    | 5,100                                      | 23,000 J                                | 210,000                                      | 7,800,000                                  | 410,000                                    | 13,000 D                                    | 2,400 U                           |
| Pyrene                                                                | 1,000,000                                                                                                  | 50,000                                                      | 54,000                                     | 81,000 DJ                                | 1,600                                    | 9,800 D                                    | 110,000                                 | 100,000                                      | 3,000,000                                  | 260,000                                    | 7,800 D                                     | 2,400 U                           |
| Total PAHs (µg/kg)                                                    |                                                                                                            | 500,000                                                     | 610,000                                    | 700,000                                  | 15,000                                   | 55,000                                     | 810,000                                 | 1,400,000                                    | 48,000,000                                 | 2,100,000                                  | 60,000                                      | 1,600                             |
| Total CPAHs (µg/kg)                                                   | --                                                                                                         | NL                                                          | 95,000                                     | 99,000                                   | 2,900                                    | 17,000                                     | 490,000                                 | 240,000                                      | 9,600,000                                  | 630,000                                    | 11,000                                      | ND                                |
| 2,4-Dimethylphenol                                                    |                                                                                                            | NL                                                          | 9,800 U                                    | 370 U                                    | 370 U                                    | 400 U                                      | 7,800 U                                 | 20,000 U                                     | 370,000 J                                  | 77,000 U                                   | 360 U                                       | 2,400 U                           |
| Bis(2-ethylhexyl) phthalate                                           |                                                                                                            | 50,000                                                      | 9,800 U                                    | 370 U                                    | 340 J                                    | 400 U                                      | 7,800 U                                 | 20,000 U                                     | 740,000 U                                  | 77,000 U                                   | 360 U                                       | 2,400 U                           |
| Dibenzofuran                                                          |                                                                                                            | 6,200                                                       | 23,000                                     | 41,000 DJ                                | 300 J                                    | 2,300                                      | 7,800 U                                 | 52,000                                       | 2,200,000                                  | 77,000 U                                   | 560 J                                       | 2,400 U                           |
| N-nitrosodiphenylamine                                                |                                                                                                            | NL                                                          | 9,800 U                                    | 370 U                                    | 370 U                                    | 400 U                                      | 7,800 U                                 | 3,600 J                                      | 740,000 U                                  | 77,000 U                                   | 360 U                                       | 2,400 U                           |
| Total Cresols                                                         | 1000000                                                                                                    | NL                                                          | 20,000 U                                   | 750 U                                    | 740 U                                    | 810 U                                      | 16,000 U                                | 39,000 U                                     | 860,000 J                                  | 150,000 U                                  | 730 U                                       | 4,800 U                           |
| <b>Total SVOCs (µg/kg) <sup>(3)</sup></b>                             |                                                                                                            | 500,000                                                     | 630,000                                    | 740,000                                  | 16,000                                   | 57,000                                     | 810,000                                 | 1,500,000                                    | 52,000,000                                 | 2,100,000                                  | 60,000                                      | 1,600                             |

**APPENDIX C - TABLE C2**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL SVOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

Notes:

<sup>(1)</sup> NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels (NYSDEC, Jan. 1994)

<sup>(2)</sup> Part 375 Restricted Use Soil Cleanup Objectives for Restricted Industrial Property Use

<sup>(3)</sup> The total SVOC values include all PAH compounds

-- = Cleanup objective not listed

ND = Not Detected

MDL = Minimum Detection Limit

U = The material was analyzed for but not detected at or above the MDL. The associated numerical value is the sample reporting limit.

D = The concentration indicated was obtained from a diluted analytical run.

J = The associated numerical value is an estimated quantity.

**Bold highlighted value** - compound detected above regulatory standard or guidance value in Part 375 SCOs or TAGM 4046.

**APPENDIX C - TABLE C3**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL INORGANIC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)           | Part 375 Restricted Use<br>Laboratory Identification<br>Date Sampled | Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use | NYSDEC<br>Recommended<br>Soil Cleanup<br>Objective (1) | Eastern USA<br>Background <sup>(1)</sup> | WS-SB01(19-20)<br>A6365202<br>04/05/2006 | WS-SB02(5.5-6)<br>A6365207<br>04/05/2006 | WS-SB02(25-25.5)<br>A6365208<br>04/05/2006 | WS-SB03(22.5-23.5)<br>A6383904<br>04/06/2006 | WS-SB03(25.5-26.5)<br>A6383906<br>04/06/2006 | WS-SB04(21-22)<br>A6449002<br>04/24/2006 | WS-SB04(6.7-7)<br>A6449001<br>04/24/2006 | WS-SB05(24.7-26.5)<br>A6365204<br>04/05/2006 |
|------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------|------------------------------------------|----------------------------------------------|
| <b>Inorganic Compounds (mg/Kg)</b> |                                                                      |                                                                  |                                                        |                                          |                                          |                                          |                                            |                                              |                                              |                                          |                                          |                                              |
| Aluminum                           | --                                                                   | SB                                                               | 33,000                                                 | 2,970 J                                  | 11,500 J                                 | 5,660 J                                  | 6,820 J                                    | 3,490 J                                      | 5,350 J                                      | NA                                       | 9,490 J                                  | J                                            |
| Antimony                           | --                                                                   | SB                                                               | NL                                                     | 19 J                                     | 23 UJ                                    | 18 UJ                                    | 17 UJ                                      | 17 UJ                                        | 17 UJ                                        | NA                                       | 17 UJ                                    | UJ                                           |
| Arsenic                            | 16                                                                   | 7.5                                                              | 3 - 12                                                 | 11                                       | 35                                       | 4.3                                      | 22                                         | 8.2                                          | 5.1                                          | NA                                       | 5.8                                      | J                                            |
| Barium                             | 10,000                                                               | 300                                                              | 15 - 600                                               | 42 U                                     | 86 J                                     | 47 U                                     | 46 U                                       | 62 J                                         | 44 U                                         | NA                                       | 48 J                                     | J                                            |
| Calcium                            | --                                                                   | SB                                                               | 130 - 35,000                                           | 36,300                                   | 8,350                                    | 4,190                                    | 9,720                                      | 103,000                                      | 133,000                                      | NA                                       | 98,400                                   | J                                            |
| Chromium                           | 6,800                                                                | 10                                                               | 1.5 - 40                                               | 9.1                                      | 36.3                                     | 8.1                                      | 5.1                                        | 4.5                                          | 6.0 J                                        | NA                                       | 8.0                                      | J                                            |
| Cobalt                             | --                                                                   | 30                                                               | 2.5 - 60                                               | 14                                       | 15 U                                     | 12 U                                     | 12 U                                       | 11 U                                         | 11 U                                         | NA                                       | 11 U                                     | U                                            |
| Copper                             | 10,000                                                               | 25                                                               | 1 - 50                                                 | 117 J                                    | 86 J                                     | 18 J                                     | 38 J                                       | 16 J                                         | 9.2                                          | NA                                       | 39 J                                     | J                                            |
| Iron                               | --                                                                   | 2,000                                                            | 2,000 - 550,000                                        | 91,300 J                                 | 38,800 J                                 | 18,000 J                                 | 33,700 J                                   | 15,200 J                                     | 9,520 J                                      | NA                                       | 11,000 J                                 | J                                            |
| Lead                               | 3,900                                                                | SB                                                               | 200 - 500                                              | 849                                      | 165                                      | 23                                       | 106                                        | 32                                           | 14                                           | NA                                       | 23                                       | J                                            |
| Magnesium                          | --                                                                   | SB                                                               | 100 - 5,000                                            | 8,640 J                                  | 6,280 J                                  | 3,440 J                                  | 2,010 J                                    | 17,500 J                                     | 19,600 J                                     | NA                                       | 32,000 J                                 | J                                            |
| Manganese                          | 10,000                                                               | SB                                                               | 50 - 5,000                                             | 280                                      | 372                                      | 144                                      | 105                                        | 293                                          | 278                                          | NA                                       | 275                                      | J                                            |
| Mercury                            | 5.7                                                                  | 0.1                                                              | 0.001 - 0.2                                            | 0.12                                     | 0.31                                     | 0.07                                     | 0.14                                       | 0.21                                         | 0.02 U                                       | NA                                       | 0.11                                     | J                                            |
| Nickel                             | 10,000                                                               | 13                                                               | 0.5 - 25                                               | 149 J                                    | 33 J                                     | 19 J                                     | 28 J                                       | 9 UJ                                         | 10                                           | NA                                       | 17 J                                     | J                                            |
| Potassium                          | --                                                                   | SB                                                               | 8,500 - 43,000                                         | 1,060 U                                  | 1,790 J                                  | 1,170 U                                  | 1,150 U                                    | 1,800 J                                      | 3,650                                        | NA                                       | 1,500 J                                  | J                                            |
| Selenium                           | 6,800                                                                | 2                                                                | 0.1 - 3.9                                              | 4.2 U                                    | 6.2 U                                    | 4.7 U                                    | 6.6                                        | 4.5 U                                        | 4.4 U                                        | NA                                       | 4.5 U                                    | J                                            |
| Vanadium                           | --                                                                   | 150                                                              | 1 - 300                                                | 23                                       | 19                                       | 12 U                                     | 12 U                                       | 11 U                                         | 11 U                                         | NA                                       | 11                                       | J                                            |
| Zinc                               | 10,000                                                               | 20                                                               | 9 - 50                                                 | 171 J                                    | 226 J                                    | 40 J                                     | 37 J                                       | 29 J                                         | 10 J                                         | NA                                       | 52 J                                     | J                                            |
| Total Cyanide                      | 10,000                                                               | NL                                                               | NL                                                     | 1.4                                      | 3.6                                      | 1.1 U                                    | 1 U                                        | 1 U                                          | 0.97 U                                       | 1.1 UJ                                   | 1.1 U                                    | U                                            |

See notes page following table

**APPENDIX C - TABLE C3**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL INORGANIC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)<br>Laboratory Identification<br>Date Sampled | Part 375 Restricted Use<br>Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use | NYSDEC<br>Recommended<br>Soil Cleanup<br>Objective (1) | Eastern USA<br>Background <sup>(1)</sup> | WS-SB06(24.6-25.6)<br>A6383908<br>04/06/2006 | WS-SB07(20-20.7)<br>A6383910<br>04/06/2006 | WS-SB07A(23-24)<br>A6456206<br>04/27/2006 | WS-SB08(20-21.5)<br>A6449007<br>04/25/2006 | WS-SB08(26-27.2)<br>A6449008<br>04/25/2006 | WS-SB09(21-22)<br>A6456302<br>04/26/2006 | WS-SB10(21-22)<br>A6449004<br>04/24/2006 | WS-SB11(23.5-24)<br>A6456301<br>04/26/2006 |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------------------|
| <b>Inorganic Compounds (mg/Kg)</b>                                    |                                                                                             |                                                        |                                          |                                              |                                            |                                           |                                            |                                            |                                          |                                          |                                            |
| Aluminum                                                              | --                                                                                          | SB                                                     | 33,000                                   | 6,190 J                                      | 2,890 J                                    | 3,670 J                                   | 3,660 J                                    | 4,410 J                                    | 3,040 J                                  | 4,160 J                                  | 4,950 J                                    |
| Antimony                                                              | --                                                                                          | SB                                                     | NL                                       | 18 UJ                                        | 17 UJ                                      | 16 UJ                                     | 17 UJ                                      | 18 UJ                                      | 17 UJ                                    | 15 UJ                                    | 19 UJ                                      |
| Arsenic                                                               | 16                                                                                          | 7.5                                                    | 3 - 12                                   | 4.0                                          | 4.5                                        | 5.1                                       | 25 J                                       | 5.3                                        | 146                                      | 5.5                                      | 14                                         |
| Barium                                                                | 10,000                                                                                      | 300                                                    | 15 - 600                                 | 48 U                                         | 48 J                                       | 42 U                                      | 44 U                                       | 48 U                                       | 45 U                                     | 44 J                                     | 51 U                                       |
| Calcium                                                               | --                                                                                          | SB                                                     | 130 - 35,000                             | 28,800                                       | 46,000                                     | 99,800 J                                  | 47,900 J                                   | 37,000 J                                   | 56,100 J                                 | 120,000 J                                | 88,400 J                                   |
| Chromium                                                              | 6,800                                                                                       | 10                                                     | 1.5 - 40                                 | 8.6                                          | 7.6                                        | 6.9 J                                     | 5.8 J                                      | 7.1 J                                      | 8.0                                      | 7.8                                      | 7.6 J                                      |
| Cobalt                                                                | --                                                                                          | 30                                                     | 2.5 - 60                                 | 12 U                                         | 12 U                                       | 11 U                                      | 12                                         | 12 U                                       | 11                                       | 10 U                                     | 13 U                                       |
| Copper                                                                | 10,000                                                                                      | 25                                                     | 1 - 50                                   | 31 J                                         | 103 J                                      | 18                                        | 48                                         | 23                                         | 72                                       | 26                                       | 30                                         |
| Iron                                                                  | --                                                                                          | 2,000                                                  | 2,000 - 550,000                          | 14,400 J                                     | 8,160 J                                    | 15,400 J                                  | 39,100 J                                   | 16,200 J                                   | 60,000                                   | 13,100 J                                 | 23,900                                     |
| Lead                                                                  | 3,900                                                                                       | SB                                                     | 200 - 500                                | 40                                           | 37                                         | 43                                        | 52                                         | 45                                         | 103                                      | 22                                       | 41                                         |
| Magnesium                                                             | --                                                                                          | SB                                                     | 100 - 5,000                              | 11,200 J                                     | 14,900 J                                   | 22,200 J                                  | 6,020 J                                    | 18,600 J                                   | 18,200 J                                 | 31,700 J                                 | 19,300 J                                   |
| Manganese                                                             | 10,000                                                                                      | SB                                                     | 50 - 5,000                               | 199                                          | 161                                        | 407                                       | 136                                        | 172                                        | 244                                      | 309                                      | 394                                        |
| Mercury                                                               | 5.7                                                                                         | 0.1                                                    | 0.001 - 0.2                              | 0.22                                         | 0.21                                       | 0.10                                      | 0.23                                       | 0.11                                       | 0.38                                     | 0.03                                     | 0.14                                       |
| Nickel                                                                | 10,000                                                                                      | 13                                                     | 0.5 - 25                                 | 15 J                                         | 9.2 UJ                                     | 9.2                                       | 26                                         | 10                                         | 29                                       | 9.2                                      | 11                                         |
| Potassium                                                             | --                                                                                          | SB                                                     | 8,500 - 43,000                           | 1,320 J                                      | 1,180 J                                    | 1,640                                     | 1,110 U                                    | 1,340                                      | 1,530                                    | 2,260                                    | 2,180                                      |
| Selenium                                                              | 6,800                                                                                       | 2                                                      | 0.1 - 3.9                                | 4.8 U                                        | 4.6 U                                      | 4.2 U                                     | 4.4 U                                      | 4.8 U                                      | 22.1                                     | 3.9 U                                    | 5.1 U                                      |
| Vanadium                                                              | --                                                                                          | 150                                                    | 1 - 300                                  | 12 U                                         | 12 U                                       | 11 U                                      | 12                                         | 12 U                                       | 11 U                                     | 10 U                                     | 13 U                                       |
| Zinc                                                                  | 10,000                                                                                      | 20                                                     | 9 - 50                                   | 64 J                                         | 54 J                                       | 28 J                                      | 32 J                                       | 33 J                                       | 61 J                                     | 25 J                                     | 58 J                                       |
| Total Cyanide                                                         | 10,000                                                                                      | NL                                                     | NL                                       | 1.2 U                                        | 1 U                                        | 0.97 U                                    | 1 U                                        | 1.1 U                                      | 1.2                                      | 0.96 U                                   | 1 U                                        |

See notes page following table

**APPENDIX C - TABLE C3**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL INORGANIC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample ID(Depth in Feet)           | Part 375 Restricted Use<br>Laboratory Identification<br>Date Sampled | Soil Cleanup Objectives<br>(SCOs) for Industrial<br>Property Use | NYSDEC<br>Recommended<br>Soil Cleanup<br>Objective (1) | Eastern USA<br>Background <sup>(1)</sup> | WS-SB12(8-10)<br>A6456202<br>04/27/2006 | WS-SB13(22.5-23.8)<br>A6456204<br>04/27/2006 | WS-SB14(14-15.5)<br>A6466202<br>04/27/2006 | WS-SB15(17.5-18)<br>A6466204<br>04/28/2006 | WS-SB15A(22.7-24)<br>A6466207<br>04/28/2006 | WS-TP01<br>A6365210<br>04/04/2006 |
|------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------|-----------------------------------|
| <b>Inorganic Compounds (mg/Kg)</b> |                                                                      |                                                                  |                                                        |                                          |                                         |                                              |                                            |                                            |                                             |                                   |
| Aluminum                           | --                                                                   | SB                                                               | 33,000                                                 | 3,870 J                                  | 4,680 J                                 | 4,600 J                                      | 4,370 J                                    | 3,360 J                                    | 12,700 J                                    |                                   |
| Antimony                           | --                                                                   | SB                                                               | NL                                                     | 17 UJ                                    | 17 UJ                                   | 16 UJ                                        | 17 UJ                                      | 17 UJ                                      | 22 UJ                                       |                                   |
| Arsenic                            | 16                                                                   | 7.5                                                              | 3 - 12                                                 | 7.0                                      | 8.8                                     | 6.5                                          | 7.4                                        | 4.6                                        | 11                                          |                                   |
| Barium                             | 10,000                                                               | 300                                                              | 15 - 600                                               | 45 U                                     | 47 U                                    | 43 U                                         | 166 J                                      | 45 U                                       | 170 J                                       |                                   |
| Calcium                            | --                                                                   | SB                                                               | 130 - 35,000                                           | 61,300 J                                 | 11,400 J                                | 76,100                                       | 12,500 J                                   | 106,000 J                                  | 15,000                                      |                                   |
| Chromium                           | 6,800                                                                | 10                                                               | 1.5 - 40                                               | 5.7 J                                    | 41.7                                    | 8.9                                          | 4.4 J                                      | 5.9 J                                      | 8.1                                         |                                   |
| Cobalt                             | --                                                                   | 30                                                               | 2.5 - 60                                               | 11 U                                     | 12 U                                    | 11 U                                         | 11 U                                       | 11 U                                       | 15 U                                        |                                   |
| Copper                             | 10,000                                                               | 25                                                               | 1 - 50                                                 | 12                                       | 33                                      | 20                                           | 16                                         | 15                                         | 15 J                                        |                                   |
| Iron                               | --                                                                   | 2,000                                                            | 2,000 - 550,000                                        | 13,500 J                                 | 131,000 J                               | 10,600                                       | 6,050 J                                    | 11,300 J                                   | 12,900 J                                    |                                   |
| Lead                               | 3,900                                                                | SB                                                               | 200 - 500                                              | 52                                       | 14                                      | 26                                           | 30                                         | 60                                         | 50                                          |                                   |
| Magnesium                          | --                                                                   | SB                                                               | 100 - 5,000                                            | 27,800 J                                 | 2,540 J                                 | 37,100 J                                     | 3,730 J                                    | 34,400 J                                   | 3,080 J                                     |                                   |
| Manganese                          | 10,000                                                               | SB                                                               | 50 - 5,000                                             | 262                                      | 1,470                                   | 288                                          | 140                                        | 332                                        | 86                                          |                                   |
| Mercury                            | 5.7                                                                  | 0.1                                                              | 0.001 - 0.2                                            | 0.04                                     | 0.04                                    | 0.17                                         | 0.08                                       | 0.11                                       | 0.10                                        |                                   |
| Nickel                             | 10,000                                                               | 13                                                               | 0.5 - 25                                               | 9.0 U                                    | 14                                      | 11                                           | 9.2 U                                      | 9.0 U                                      | 169 J                                       |                                   |
| Potassium                          | --                                                                   | SB                                                               | 8,500 - 43,000                                         | 2,040                                    | 1,160 U                                 | 1,540                                        | 1,140 U                                    | 2,070                                      | 1,480 U                                     |                                   |
| Selenium                           | 6,800                                                                | 2                                                                | 0.1 - 3.9                                              | 4.5 U                                    | 7.7                                     | 4.3 U                                        | 4.6 U                                      | 4.5 U                                      | 5.9 U                                       |                                   |
| Vanadium                           | --                                                                   | 150                                                              | 1 - 300                                                | 11 U                                     | 78                                      | 11 U                                         | 11 U                                       | 11 U                                       | 1,080                                       |                                   |
| Zinc                               | 10,000                                                               | 20                                                               | 9 - 50                                                 | 144 J                                    | 15 J                                    | 49 J                                         | 40 J                                       | 24 J                                       | 16 J                                        |                                   |
| Total Cyanide                      | 10,000                                                               | NL                                                               | NL                                                     | 1 U                                      | 1.2 U                                   | 1.6                                          | 0.99 U                                     | 1 U                                        | 1.2 U                                       |                                   |

See notes page following table

**APPENDIX C - TABLE C3**  
**OIL-TAR SEPARATION INVESTIGATION - SUBSURFACE SOIL INORGANIC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

Notes:

<sup>(1)</sup> NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels (NYSDEC, Jan. 1994)

<sup>(2)</sup> Part 375 Restricted Use Soil Cleanup Objectives for Restricted Industrial Property Use

NA = Not Analyzed

-- = Cleanup objective not listed

MDL = Minimum Detection Limit

U = The material was analyzed for but not detected at or above the MDL. The associated numerical value is the sample reporting limit.

D = The concentration indicated was obtained from a diluted analytical run.

J = The associated numerical value is an estimated quantity.

SB = Site Background.

**Bold highlighted value** - compound detected above regulatory standard or guidance value in Part 375 SCOs or TAGM 4046.

**APPENDIX C - TABLE C4**  
**OIL-TAR SEPARATION INVESTIGATION - GROUNDWATER VOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample Designation<br>Laboratory Identification<br>Date Sampled | NYSDEC<br>TOGS 1.1.1<br>Class GA <sup>1</sup> | WS-MW201<br>A6594901<br>05/25/2006 | WS-MW201<br>A6849401<br>07/26/2006 | WS-MW202<br>A6589702<br>05/24/2006 | WS-MW202<br>A6849403<br>07/26/2006 | WS-RW01<br>A6589701<br>05/24/2006 | WS-RW01<br>A6849404<br>07/25/2006 |
|-----------------------------------------------------------------|-----------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| <b>Volatile Organic Compounds (µg/L)</b>                        |                                               |                                    |                                    |                                    |                                    |                                   |                                   |
| 2-Butanone                                                      | NL                                            | 25 U                               | 25 U                               | 3.0 J                              | 120 U                              | 25 U                              | 25 U                              |
| Acetone                                                         | 50**                                          | 25 U                               | 25 U                               | 25 U                               | 120 U                              | 25 U                              | 4.0 J                             |
| Benzene                                                         | 1                                             | 5.0 U                              | 5.0 U                              | <b>75</b>                          | <b>65</b>                          | <b>44</b>                         | <b>130 D</b>                      |
| Ethyl Benzene                                                   | 5*                                            | 5.0 U                              | 5.0 U                              | <b>220 D</b>                       | <b>320</b>                         | <b>86</b>                         | <b>260 D</b>                      |
| Methylene Chloride                                              | 5*                                            | 5.0 U                              | 5.0 U                              | 5.0 U                              | 3.0 J                              | 5.0 U                             | 5.0 U                             |
| Toluene                                                         | 5*                                            | 5.0 U                              | 5.0 U                              | <b>110 D</b>                       | <b>130</b>                         | <b>9.0</b>                        | <b>22</b>                         |
| Total Xylenes                                                   | 5*                                            | 15 U                               | 15 U                               | <b>510 D</b>                       | <b>680</b>                         | <b>62</b>                         | <b>160 D</b>                      |
| <b>Total VOCs (µg/L)</b>                                        | NL                                            | ND                                 | ND                                 | 920                                | 1,200                              | 200                               | 580                               |

Notes:

NA = Not Analyzed

NL = Not Listed

ND = Not Detected

MDL - Minimum Detection Limit

U = The material was analyzed for but not detected at or above the MDL. The associated numerical value is the sample reporting limit.

D = The concentration indicated was obtained from a diluted analytical run.

J = The associated numerical value is an estimated quantity.

Bold highlighted value - compound detected above regulatory standard or guidance value.

<sup>1</sup>Class GA Drinking Water Standard or Guidance Value

\*Principal Organic Contaminant Standard

\*\*Class GA Guidance Value

^Applies to the sum of cis- and trans- dichloropropene

**APPENDIX C - TABLE C5**  
**OIL-TAR SEPARATION INVESTIGATION - GROUNDWATER SVOC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample Designation<br>Laboratory Identification<br>Date Sampled | NYSDEC<br>TOGS 1.1.1<br>Class GA <sup>1</sup> | WS-MW201<br>A6594901<br>05/25/2006 | WS-MW201<br>A6849401<br>07/26/2006 | WS-MW202<br>A6589702<br>05/24/2006 | WS-MW202<br>A6849403<br>07/26/2006 | WS-RW01<br>A6589701<br>05/24/2006 | WS-RW01<br>A6849404<br>07/25/2006 |
|-----------------------------------------------------------------|-----------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| <b>Semi-volatile Organic Compounds (µg/L)</b>                   |                                               |                                    |                                    |                                    |                                    |                                   |                                   |
| 2-Methylnaphthalene                                             | NL                                            | 10 U                               | 10 U                               | 300                                | 430 DJ                             | 140                               | 120                               |
| Acenaphthene                                                    | 20**                                          | 12                                 | 13                                 | <b>210</b>                         | <b>300 DJ</b>                      | <b>160</b>                        | <b>140</b>                        |
| Acenaphthylene                                                  | NL                                            | 1.0 J                              | 0.80 J                             | 11 J                               | 11                                 | 17 J                              | 16                                |
| Anthracene                                                      | 50**                                          | 10 U                               | 2.0 J                              | 49                                 | 18                                 | 29 J                              | 22                                |
| <i>Benz(a)anthracene</i>                                        | 0.002**                                       | <b>1.0 J</b>                       | <b>1.0 J</b>                       | <b>18 J</b>                        | <b>2.0 J</b>                       | <b>16 J</b>                       | <b>9.0 J</b>                      |
| <i>Benzo(a)pyrene</i>                                           | ND                                            | <b>1.0 J</b>                       | <b>0.50 J</b>                      | <b>11 J</b>                        | <b>1.0 J</b>                       | <b>12 J</b>                       | <b>6.0 J</b>                      |
| <i>Benzo(b)fluoranthene</i>                                     | 0.002**                                       | <b>1.0 J</b>                       | 10 U                               | <b>12 J</b>                        | <b>1.0 J</b>                       | <b>10 J</b>                       | <b>6.0 J</b>                      |
| Benzo(g,h,i)perylene                                            | NL                                            | 10 U                               | 10 U                               | 3.0 J                              | 10 U                               | 4.0 J                             | 3.0 J                             |
| <i>Benzo(k)fluoranthene</i>                                     | 0.002**                                       | <b>1.0 J</b>                       | 10 U                               | <b>5.0 J</b>                       | <b>0.70 J</b>                      | <b>4.0 J</b>                      | <b>2.0 J</b>                      |
| <i>Chrysene</i>                                                 | 0.002**                                       | <b>1.0 J</b>                       | <b>0.70 J</b>                      | <b>17 J</b>                        | <b>2.0 J</b>                       | <b>13 J</b>                       | <b>7.0 J</b>                      |
| <i>Dibenz(a,h)anthracene</i>                                    | NL                                            | 10 U                               | 10 U                               | 47 U                               | 10 U                               | 47 U                              | 0.80 J                            |
| Fluoranthene                                                    | 50**                                          | 4.0 J                              | 3.0 J                              | 47                                 | 13                                 | 33 J                              | 22                                |
| Fluorene                                                        | 50**                                          | 1.0 J                              | 3.0 J                              | <b>94</b>                          | <b>88</b>                          | <b>66</b>                         | <b>64</b>                         |
| <i>Indeno(1,2,3-cd)pyrene</i>                                   | 0.002**                                       | 10 U                               | 10 U                               | <b>4.0 J</b>                       | 10 U                               | <b>4.0 J</b>                      | <b>2.0 J</b>                      |
| Naphthalene                                                     | 10**                                          | 10 U                               | 10 U                               | <b>4,000 D</b>                     | <b>5,400 D</b>                     | 47 U                              | <b>1,700 D</b>                    |
| Phenanthrene                                                    | 50**                                          | 10 U                               | 0.60 J                             | <b>110</b>                         | <b>73</b>                          | 50                                | <b>83</b>                         |
| Pyrene                                                          | 50**                                          | 5.0 J                              | 3.0 J                              | 37 J                               | 8.0 J                              | 36 J                              | 22                                |
| <b>Total PAHs (µg/L)</b>                                        | NL                                            | 28                                 | 28                                 | 4,900                              | 6,300                              | 590                               | 2,200                             |
| <b>Total CPAHs (µg/L)</b>                                       | NL                                            | 5.0                                | 2.2                                | 67                                 | 6.7                                | 59                                | 33                                |
| 2,4-Dimethylphenol                                              | 50**                                          | 10 U                               | 10 U                               | 11 J                               | 27                                 | 47 U                              | 3 J                               |
| 2-Methylphenol                                                  | NL                                            | 10 U                               | 10 U                               | 18 J                               | 22                                 | 47 U                              | 10 U                              |
| 4-Methylphenol                                                  | NL                                            | 10 U                               | 10 U                               | 14 J                               | 15                                 | 47 U                              | 10 U                              |
| bis(2-Ethylhexyl)phthalate                                      | 5                                             | 10 U                               | 10 U                               | 47 U                               | 10 U                               | 47 U                              | 4.0 J                             |
| Dibenzofuran                                                    | NL                                            | 10 U                               | 1.0 J                              | 80                                 | 87                                 | 18 J                              | 28                                |
| Phenol                                                          | 1***                                          | 10 U                               | 10 U                               | <b>9.0 J</b>                       | <b>5.0 J</b>                       | 47 U                              | 10 U                              |
| Total Cresols                                                   | NL                                            | 19 U                               | 19 U                               | 94 U                               | 37                                 | 95 U                              | 19 U                              |
| <b>Total SVOCs (µg/L)<sup>2</sup></b>                           | NL                                            | 28                                 | 29                                 | 5,100                              | 6,500                              | 610                               | 2,300                             |

Notes:

NA = Not Analyzed

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MDL = Minimum Detection Limit

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D = The concentration indicated was obtained from a diluted analytical run.

J = The associated numerical value is an estimated quantity.

Bold highlighted value - compound detected above regulatory guidance value.

<sup>1</sup>Class GA Drinking Water Standard or Guidance Value

<sup>2</sup>The total SVOC values include all PAH compounds

\*Principal Organic Contaminant Standard

\*\*Class GA Guidance Value

\*\*\*Applies to total chlorinated phenolic compounds

CPAHs - Carcinogenic PAHs which are shown in bold and italics

**APPENDIX C - TABLE C6**  
**OIL-TAR SEPARATION INVESTIGATION - GROUNDWATER INORGANIC RESULTS**

Remedial Investigation Work Plan  
West Station Former MGP Site, Rochester, NY

| Sample Designation<br>Laboratory Identification<br>Date Sampled | NYSDEC<br>TOGS 1.1.1<br>Class GA <sup>1</sup> | WS-MW201<br>A6594901<br>05/25/2006 | WS-MW201<br>A6849401<br>07/26/2006 | WS-MW202<br>A6589702<br>05/24/2006 | WS-MW202<br>A6849403<br>07/26/2006 | WS-RW01<br>A6589701<br>05/24/2006 | WS-RW01<br>A6849404<br>07/25/2006 |
|-----------------------------------------------------------------|-----------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| <b>Inorganic Compounds (µg/L)</b>                               |                                               |                                    |                                    |                                    |                                    |                                   |                                   |
| Aluminum                                                        | NL                                            | 706                                | 585                                | 733 J                              | 200 U                              | 2,440                             | 1,400                             |
| Arsenic                                                         | 25                                            | 10 U                               | 10 UJ                              | 10 U                               | 11 J                               | 10 U                              | 10 UJ                             |
| Barium                                                          | 1,000                                         | 75.7                               | 55.1                               | 280                                | 323                                | 289                               | 221                               |
| Calcium                                                         | NL                                            | 118,000                            | 104,000                            | 120,000                            | 136,000                            | 164,000                           | 126,000                           |
| Chromium                                                        | 50                                            | 4.0 U                              | 4.0 UJ                             | 4.0 U                              | 4.0 UJ                             | 24.3                              | 30.5 J                            |
| Copper                                                          | 200                                           | 10 U                               | 10 UJ                              | 10 U                               | 10 UJ                              | 20.5                              | 10 UJ                             |
| Iron                                                            | 300                                           | <b>1,390</b>                       | <b>1,220</b>                       | <b>20,000</b>                      | <b>24,500</b>                      | <b>4,600</b>                      | <b>2,320</b>                      |
| Lead                                                            | 25                                            | 5.0 U                              | 5.0 UJ                             | 8.9                                | 5.0 UJ                             | 13.1                              | 7.1 J                             |
| Magnesium                                                       | 35,000**                                      | <b>45,000</b>                      | <b>37,200</b>                      | 26,200                             | 29,300                             | <b>87,600</b>                     | <b>70,700</b>                     |
| Manganese                                                       | 300                                           | 107                                | 92.2                               | 148                                | 172                                | 107                               | 81                                |
| Nickel                                                          | 100                                           | 10 U                               | 10 UJ                              | 10 U                               | 10 UJ                              | 21.6                              | 22.2 J                            |
| Potassium                                                       | NL                                            | 9,900                              | 7,280                              | 15,200                             | 14,700                             | 42,200                            | 33,300                            |
| Sodium                                                          | 20,000                                        | <b>280,000</b>                     | <b>224,000</b>                     | <b>35,000</b>                      | <b>39,400</b>                      | <b>898,000</b>                    | <b>735,000</b>                    |
| Zinc                                                            | 2,000**                                       | 10 U                               | 10 UJ                              | 10 U                               | 10 UJ                              | 17.1                              | 10 UJ                             |
| Total Cyanide                                                   | 200                                           | 25.4 J                             | 10 UJ                              | 10 UJ                              | 10 U                               | 10 UJ                             | R                                 |

Notes:

NA = Not Analyzed

NL = Not Listed

MDL - Minimum Detection Limit

U = The material was analyzed for but not detected at or above the MDL. The associated numerical value is the sample reporting limit.

J = The associated numerical value is an estimated quantity.

R = The result was rejected because one or more QC measures did not meet acceptable criteria

Bold highlighted values - compound detected above regulatory guidance value.

<sup>1</sup>Class GA Drinking Water Standard or Guidance Value

\*\*Class GA Guidance Value