

**Table 6.1**  
**Summary of Point Sources Parameters**  
**Romic Facility - Chandler, Arizona**

| Source ID | Description            | Location        |                 |                      | Source Parameters |                         |                                  |                      |
|-----------|------------------------|-----------------|-----------------|----------------------|-------------------|-------------------------|----------------------------------|----------------------|
|           |                        | UTMx<br>(meter) | UTMy<br>(meter) | Elevation<br>(meter) | Height<br>(meter) | Temperature<br>(Kelvin) | Exit Velocity<br>(meters/second) | Diameter<br>(meters) |
| LAB_STK   | Laboratory Exhaust     | 410780.8        | 3683686         | 353                  | 4.9               | 0                       | 0.93                             | 0.508                |
| BOIL_STK  | Boiler                 | 410780.7        | 3683695.6       | 353                  | 5.5               | 422                     | 2.5                              | 0.46                 |
| DIST_STK  | Distillation Processes | 410779.5        | 3683707         | 353                  | 6.6               | 0                       | 4.6                              | 0.051                |

**Table 6.2**  
**Summary of Area Sources Parameters**  
**Romic Facility - Chandler, Arizona**

| Source ID               | Description                       | Location        |                 |                      | Source Parameters         |                     |                     |       |                                       |
|-------------------------|-----------------------------------|-----------------|-----------------|----------------------|---------------------------|---------------------|---------------------|-------|---------------------------------------|
|                         |                                   | UTMx<br>(meter) | UTMy<br>(meter) | Elevation<br>(meter) | Release Height<br>(meter) | X Length<br>(meter) | Y Length<br>(meter) | Angle | Initial Vertical Dimension<br>(meter) |
| <b>Rectangular Area</b> |                                   |                 |                 |                      |                           |                     |                     |       |                                       |
| FARM_A                  | Tank Farm A                       | 410779.8        | 3683721.6       | 353                  | 5.4                       | 12.2                | 7.7                 | 0     | 0                                     |
| FARM_B                  | Tank Farm B                       | 410779.8        | 3683714         | 353                  | 5.7                       | 12.2                | 7.5                 | 0     | 0                                     |
| FARM_C1                 | Tank Farm C1                      | 410804.2        | 3683720.3       | 353                  | 4.7                       | 14                  | 8.4                 | 0     | 0                                     |
| FARM_C3                 | Tank Farm C3                      | 410804.4        | 3683703.4       | 353                  | 5                         | 13.5                | 8.1                 | 0     | 0                                     |
| FARM_D1                 | Tank Farm D1                      | 410818.2        | 3683720.3       | 353                  | 5.4                       | 12.3                | 8.4                 | 0     | 0                                     |
| FARM_D3                 | Tank Farm D3                      | 410818.3        | 3683703.3       | 353                  | 5.7                       | 12                  | 8.1                 | 0     | 0                                     |
| FARM_D4                 | Tank Farm D4                      | 410825.6        | 3683693.2       | 353                  | 4.5                       | 4.7                 | 9.5                 | 0     | 0                                     |
| FARM_E                  | Tank Farm E                       | 410844.6        | 3683699.5       | 353                  | 3.9                       | 7.4                 | 11                  | 0     | 0                                     |
| FARM_F                  | Tank Farm F                       | 410852.4        | 3683699.4       | 353                  | 4.1                       | 11.5                | 10.9                | 0     | 0                                     |
| DRUM2                   | Drum Storage Building #2          | 410844.5        | 3683664         | 353                  | 0.3                       | 21                  | 22.8                | 0     | 0                                     |
| FUG_A                   | Fugitives Tank Farm A             | 410779.8        | 3683721.6       | 353                  | 0                         | 12.2                | 7.7                 | 0     | 0.47                                  |
| FUG_B                   | Fugitives Tank Farm B             | 410779.8        | 3683714         | 353                  | 0                         | 12.2                | 7.5                 | 0     | 0.47                                  |
| FUG_C1                  | Fugitives Tank Farm C1            | 410804.2        | 3683720.3       | 353                  | 0                         | 14                  | 8.4                 | 0     | 0.47                                  |
| FUG_C3                  | Fugitives Tank Farm C3            | 410804.4        | 3683703.4       | 353                  | 0                         | 13.5                | 8.1                 | 0     | 0.47                                  |
| FUG_D1                  | Fugitives Tank Farm D1            | 410818.2        | 3683720.3       | 353                  | 0                         | 12.3                | 8.4                 | 0     | 0.47                                  |
| FUG_D3                  | Fugitives Tank Farm D3            | 410818.3        | 3683703.3       | 353                  | 0                         | 12                  | 8.1                 | 0     | 0.47                                  |
| FUG_D4                  | Fugitives Tank Farm D4            | 410825.6        | 3683693.2       | 353                  | 0                         | 4.7                 | 9.5                 | 0     | 0.47                                  |
| FUG_E                   | Fugitives Tank Farm E             | 410844.6        | 3683699.5       | 353                  | 0                         | 7.4                 | 11                  | 0     | 0.47                                  |
| FUG_F                   | Fugitives Tank Farm F             | 410852.4        | 3683699.4       | 353                  | 0                         | 11.5                | 10.9                | 0     | 0.47                                  |
| TNK_WSH                 | Truck Washout                     | 410794          | 3683721         | 353                  | 3.25                      | 0.51                | 0.51                | 0     | 0                                     |
| TR1                     | Trough 1                          | 410789.9        | 3683717         | 353                  | 0.2                       | 1.4                 | 1.4                 | 0     | 0                                     |
| TR2                     | Trough 2                          | 410782.6        | 3683717.1       | 353                  | 0.3                       | 1                   | 1                   | 0     | 0                                     |
| TR3                     | Trough 3                          | 410807.7        | 3683727.4       | 353                  | 0.25                      | 0.8                 | 0.8                 | 0     | 0                                     |
| TR4                     | Trough 4                          | 410804.2        | 3683706.2       | 353                  | 0.2                       | 1.3                 | 1.3                 | 0     | 0                                     |
| TR5                     | Trough 5                          | 410829.3        | 3683707.2       | 353                  | 0.2                       | 0.86                | 0.86                | 0     | 0                                     |
| RAILSAMP                | Railcar Sampling                  | 410852          | 3683739         | 353                  | 3.25                      | 0.51                | 0.51                | 0     | 0                                     |
| TANKSAMP                | Tanker Truck Sampling             | 410794          | 3683691.5       | 353                  | 3.25                      | 0.51                | 0.51                | 0     | 0                                     |
| DISTAREA                | Distillation Area Tanks           | 410779.8        | 3683698.4       | 353                  | 3.6                       | 12.1                | 9.5                 | 0     | 0                                     |
| FUG_DIST                | Fugitives Distillation Area Tanks | 410779.8        | 3683698.4       | 353                  | 0                         | 12.1                | 9.5                 | 0     | 0.47                                  |
| <b>Polygon Area</b>     |                                   |                 |                 |                      |                           |                     |                     |       |                                       |
| DRUM1                   | Drum Storage Building #1          | 410789          | 3683778.6       | 353                  | 0.3                       | -                   | -                   | -     | 0                                     |

**Table 6.3**  
**Summary of Volume Sources Parameters**  
**Romic Facility - Chandler, Arizona**

| Source ID | Description             | Location |         |           | Source Parameters |                           |                            |
|-----------|-------------------------|----------|---------|-----------|-------------------|---------------------------|----------------------------|
|           |                         | UTMx     | UTMy    | Elevation | Release Height    | Initial Lateral Dimension | Initial Vertical Dimension |
|           |                         | (meter)  | (meter) | (meter)   | (meter)           | (meter)                   | (meter)                    |
| DRUMMUCK  | Drum emptying "mucking" | 410814   | 3683716 | 353       | 0.46              | 0.8                       | 0.43                       |
| LAB_PACK  | Lab pack consolidation  | 410821   | 3683716 | 353       | 0.46              | 0.71                      | 0.43                       |
| DRUMSAMP  | Drum Sampling           | 410801   | 3683754 | 353       | 1                 | 0.07                      | 0.07                       |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description              | Chemical                              | CAS_No   | Emission Rates                   | Emission Rates                   |
|--------------------|--------------------------|---------------------------------------|----------|----------------------------------|----------------------------------|
|                    |                          |                                       |          | (grams/second)<br>Annual Average | (grams/second)<br>Maximum Hourly |
| BOIL_STK           | Boilers                  | Benzene                               | 71432    | 3.74E-07                         | 7.50E-07                         |
| BOIL_STK           | Boilers                  | Hexane                                | 110543   | 3.20E-04                         | 6.43E-04                         |
| BOIL_STK           | Boilers                  | Naphthalene                           | 91203    | 1.09E-07                         | 2.18E-07                         |
| BOIL_STK           | Boilers                  | Toluene                               | 108883   | 6.05E-07                         | 1.21E-06                         |
| DISTAREA           | Distillation Area        | 1,1,1-Trichloroethane                 | 71556    | 1.25E-06                         | 1.25E-06                         |
| DISTAREA           | Distillation Area        | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 4.39E-06                         | 4.39E-06                         |
| DISTAREA           | Distillation Area        | 1-Methoxy-2-Propanol                  | 107982   | 4.72E-07                         | 4.72E-07                         |
| DISTAREA           | Distillation Area        | 2-Butoxyethanol acetate               | 112072   | 3.65E-11                         | 3.65E-11                         |
| DISTAREA           | Distillation Area        | 2-Ethoxyethyl acetate                 | 111159   | 1.27E-07                         | 1.27E-07                         |
| DISTAREA           | Distillation Area        | 2-Ethoxypropanol                      | 19089475 | 1.80E-06                         | 1.80E-06                         |
| DISTAREA           | Distillation Area        | 2-Heptanone                           | 110430   | 1.10E-08                         | 1.10E-08                         |
| DISTAREA           | Distillation Area        | 2-Pentaneone                          | 107879   | 7.50E-07                         | 7.50E-07                         |
| DISTAREA           | Distillation Area        | Acetone                               | 67641    | 6.48E-05                         | 6.48E-05                         |
| DISTAREA           | Distillation Area        | Acetonitrile                          | 75058    | 1.43E-07                         | 1.43E-07                         |
| DISTAREA           | Distillation Area        | Alcohols                              | 67630    | 1.66E-05                         | 1.66E-05                         |
| DISTAREA           | Distillation Area        | Butyl Acetate                         | 123864   | 2.31E-08                         | 2.31E-08                         |
| DISTAREA           | Distillation Area        | Chloroform                            | 67663    | 1.05E-07                         | 1.05E-07                         |
| DISTAREA           | Distillation Area        | Cyclohexanone                         | 108941   | 1.20E-07                         | 1.20E-07                         |
| DISTAREA           | Distillation Area        | Dibutyl Phthalate                     | 84742    | 7.93E-17                         | 7.93E-17                         |
| DISTAREA           | Distillation Area        | Diethylene Glycol                     | 111466   | 7.85E-09                         | 7.85E-09                         |
| DISTAREA           | Distillation Area        | Diethylene Glycol Butyl Ether         | 112345   | 3.46E-10                         | 3.46E-10                         |
| DISTAREA           | Distillation Area        | Dimethylformamide                     | 68122    | 1.45E-08                         | 1.45E-08                         |
| DISTAREA           | Distillation Area        | Ethanol                               | 64175    | 3.55E-07                         | 3.55E-07                         |
| DISTAREA           | Distillation Area        | Ethyl Acetate                         | 141786   | 8.01E-07                         | 8.01E-07                         |
| DISTAREA           | Distillation Area        | Ethyl Benzene                         | 100414   | 9.82E-09                         | 9.82E-09                         |
| DISTAREA           | Distillation Area        | Ethyl Lactate                         | 687478   | 3.57E-06                         | 3.57E-06                         |
| DISTAREA           | Distillation Area        | Ethyl-3-Ethoxypropionate              | 763699   | 3.78E-08                         | 3.78E-08                         |
| DISTAREA           | Distillation Area        | Ethylene Glycol                       | 107211   | 3.16E-09                         | 3.16E-09                         |
| DISTAREA           | Distillation Area        | Heptane                               | 142825   | 4.66E-08                         | 4.66E-08                         |
| DISTAREA           | Distillation Area        | Hexamethyldisilazane                  | 999973   | 5.24E-07                         | 5.24E-07                         |
| DISTAREA           | Distillation Area        | Hexane                                | 110543   | 2.31E-07                         | 2.31E-07                         |
| DISTAREA           | Distillation Area        | Hydrofluoric Acid                     | 7664393  | 3.51E-08                         | 3.51E-08                         |
| DISTAREA           | Distillation Area        | Isoparaffinic Hydrocarbons            | 64771728 | 1.06E-09                         | 1.06E-09                         |
| DISTAREA           | Distillation Area        | Isopropanolamine                      | 78966    | 1.11E-08                         | 1.11E-08                         |
| DISTAREA           | Distillation Area        | Isopropyl Acetate                     | 108214   | 3.24E-09                         | 3.24E-09                         |
| DISTAREA           | Distillation Area        | Methanol                              | 67561    | 1.18E-06                         | 1.18E-06                         |
| DISTAREA           | Distillation Area        | Methyl Ethyl Ketone                   | 78933    | 7.86E-06                         | 7.86E-06                         |
| DISTAREA           | Distillation Area        | Methyl Isobutyl Ketone                | 108101   | 5.65E-08                         | 5.65E-08                         |
| DISTAREA           | Distillation Area        | Methylene Chloride                    | 75092    | 2.55E-05                         | 2.55E-05                         |
| DISTAREA           | Distillation Area        | Naphtha                               | 8030306  | 2.93E-05                         | 2.93E-05                         |
| DISTAREA           | Distillation Area        | n-Butanol                             | 71363    | 4.76E-08                         | 4.76E-08                         |
| DISTAREA           | Distillation Area        | n-Butyl Cellosolve                    | 111762   | 2.90E-10                         | 2.90E-10                         |
| DISTAREA           | Distillation Area        | n-Methyl-2-Pyrrolidone                | 872504   | 4.39E-06                         | 4.39E-06                         |
| DISTAREA           | Distillation Area        | n-Propyl Acetate                      | 109604   | 2.66E-07                         | 2.66E-07                         |
| DISTAREA           | Distillation Area        | Petroleum Oil Products                | 8002059  | 1.06E-09                         | 1.06E-09                         |
| DISTAREA           | Distillation Area        | Phenol                                | 108952   | 2.89E-11                         | 2.89E-11                         |
| DISTAREA           | Distillation Area        | Phosphoric Acid                       | 7664382  | 6.40E-13                         | 6.40E-13                         |
| DISTAREA           | Distillation Area        | Propylene Glycol Methyl Ether Acetate | 108656   | 2.03E-07                         | 2.03E-07                         |
| DISTAREA           | Distillation Area        | Stoddard Solvent                      | 8052413  | 6.09E-05                         | 6.09E-05                         |
| DISTAREA           | Distillation Area        | Sulfolane                             | 126330   | 7.59E-10                         | 7.59E-10                         |
| DISTAREA           | Distillation Area        | Tetrachloroethylene                   | 127184   | 3.41E-06                         | 3.41E-06                         |
| DISTAREA           | Distillation Area        | Tetraethyl Orthosilicate              | 78104    | 1.30E-10                         | 1.30E-10                         |
| DISTAREA           | Distillation Area        | Tetrahydrofuran                       | 109999   | 2.05E-07                         | 2.05E-07                         |
| DISTAREA           | Distillation Area        | Toluene                               | 108883   | 1.13E-06                         | 1.13E-06                         |
| DISTAREA           | Distillation Area        | Trichloroethylene                     | 79016    | 3.70E-06                         | 3.70E-06                         |
| DISTAREA           | Distillation Area        | Triethylenetetramine                  | 112243   | 5.23E-13                         | 5.23E-13                         |
| DISTAREA           | Distillation Area        | Xylenes                               | 1330207  | 1.96E-06                         | 1.96E-06                         |
| DRUM1              | Drum Storage Building #1 | 1,1,1-Trichloroethane                 | 71556    | 3.75E-05                         | 3.75E-05                         |
| DRUM1              | Drum Storage Building #1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 1.40E-04                         | 1.40E-04                         |
| DRUM1              | Drum Storage Building #1 | 1-Methoxy-2-Propanol                  | 107982   | 2.55E-06                         | 2.55E-06                         |
| DRUM1              | Drum Storage Building #1 | 2-Butoxyethanol acetate               | 112072   | 1.16E-09                         | 1.16E-09                         |
| DRUM1              | Drum Storage Building #1 | 2-Ethoxyethyl acetate                 | 111159   | 4.04E-06                         | 4.04E-06                         |
| DRUM1              | Drum Storage Building #1 | 2-Ethoxypropanol                      | 19089475 | 5.73E-05                         | 5.73E-05                         |
| DRUM1              | Drum Storage Building #1 | 2-Heptanone                           | 110430   | 9.35E-07                         | 9.35E-07                         |
| DRUM1              | Drum Storage Building #1 | 2-Pentaneone                          | 107879   | 2.43E-05                         | 2.43E-05                         |
| DRUM1              | Drum Storage Building #1 | Acetone                               | 67641    | 2.10E-03                         | 2.10E-03                         |
| DRUM1              | Drum Storage Building #1 | Acetonitrile                          | 75058    | 4.45E-06                         | 4.45E-06                         |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description              | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------------|---------------------------------------|----------|--|--|
| DRUM1              | Drum Storage Building #1 | Alcohols                              | 67630    | 5.36E-04                                     | 5.36E-04                                     |
| DRUM1              | Drum Storage Building #1 | Butyl Acetate                         | 123864   | 7.47E-07                                     | 7.47E-07                                     |
| DRUM1              | Drum Storage Building #1 | Chloroform                            | 67663    | 2.78E-06                                     | 2.78E-06                                     |
| DRUM1              | Drum Storage Building #1 | Cyclohexanone                         | 108941   | 3.49E-06                                     | 3.49E-06                                     |
| DRUM1              | Drum Storage Building #1 | Dibutyl Phthalate                     | 84742    | 8.18E-14                                     | 8.18E-14                                     |
| DRUM1              | Drum Storage Building #1 | Diethylene Glycol                     | 111466   | 2.12E-07                                     | 2.12E-07                                     |
| DRUM1              | Drum Storage Building #1 | Diethylene Glycol Butyl Ether         | 112345   | 2.37E-07                                     | 2.37E-07                                     |
| DRUM1              | Drum Storage Building #1 | Dimethylformamide                     | 68122    | 4.55E-07                                     | 4.55E-07                                     |
| DRUM1              | Drum Storage Building #1 | Ethanol                               | 64175    | 1.14E-05                                     | 1.14E-05                                     |
| DRUM1              | Drum Storage Building #1 | Ethyl Acetate                         | 141786   | 2.55E-05                                     | 2.55E-05                                     |
| DRUM1              | Drum Storage Building #1 | Ethyl Benzene                         | 100414   | 3.08E-07                                     | 3.08E-07                                     |
| DRUM1              | Drum Storage Building #1 | Ethyl Lactate                         | 687478   | 1.14E-04                                     | 1.14E-04                                     |
| DRUM1              | Drum Storage Building #1 | Ethyl-3-Ethoxypropionate              | 763699   | 8.04E-07                                     | 8.04E-07                                     |
| DRUM1              | Drum Storage Building #1 | Ethylene Glycol                       | 107211   | 7.40E-08                                     | 7.40E-08                                     |
| DRUM1              | Drum Storage Building #1 | Heptane                               | 142825   | 1.34E-06                                     | 1.34E-06                                     |
| DRUM1              | Drum Storage Building #1 | Hexamethyldisilazane                  | 999973   | 1.67E-05                                     | 1.67E-05                                     |
| DRUM1              | Drum Storage Building #1 | Hexane                                | 110543   | 7.44E-06                                     | 7.44E-06                                     |
| DRUM1              | Drum Storage Building #1 | Isoparaffinic Hydrocarbons            | 64771728 | 4.75E-06                                     | 4.75E-06                                     |
| DRUM1              | Drum Storage Building #1 | Isopropanolamine                      | 78966    | 3.54E-07                                     | 3.54E-07                                     |
| DRUM1              | Drum Storage Building #1 | Isopropyl Acetate                     | 108214   | 7.46E-08                                     | 7.46E-08                                     |
| DRUM1              | Drum Storage Building #1 | Methanol                              | 67561    | 3.87E-05                                     | 3.87E-05                                     |
| DRUM1              | Drum Storage Building #1 | Methyl Ethyl Ketone                   | 78933    | 2.55E-04                                     | 2.55E-04                                     |
| DRUM1              | Drum Storage Building #1 | Methyl Isobutyl Ketone                | 108101   | 1.89E-06                                     | 1.89E-06                                     |
| DRUM1              | Drum Storage Building #1 | Methylene Chloride                    | 75092    | 8.32E-04                                     | 8.32E-04                                     |
| DRUM1              | Drum Storage Building #1 | Naphtha                               | 8030306  | 1.81E-04                                     | 1.81E-04                                     |
| DRUM1              | Drum Storage Building #1 | n-Butanol                             | 71363    | 1.68E-06                                     | 1.68E-06                                     |
| DRUM1              | Drum Storage Building #1 | n-Butyl Cellosolve                    | 111762   | 1.13E-08                                     | 1.13E-08                                     |
| DRUM1              | Drum Storage Building #1 | n-Methyl-2-Pyrrolidone                | 872504   | 8.64E-05                                     | 8.64E-05                                     |
| DRUM1              | Drum Storage Building #1 | n-Propyl Acetate                      | 109604   | 9.17E-06                                     | 9.17E-06                                     |
| DRUM1              | Drum Storage Building #1 | Petroleum Oil Products                | 8002059  | 3.39E-08                                     | 3.39E-08                                     |
| DRUM1              | Drum Storage Building #1 | Phenol                                | 108952   | 9.42E-10                                     | 9.42E-10                                     |
| DRUM1              | Drum Storage Building #1 | Phosphoric Acid                       | 7664382  | 1.50E-09                                     | 1.50E-09                                     |
| DRUM1              | Drum Storage Building #1 | Propylene Glycol Methyl Ether Acetate | 108656   | 6.47E-06                                     | 6.47E-06                                     |
| DRUM1              | Drum Storage Building #1 | Stoddard Solvent                      | 8052413  | 6.27E-05                                     | 6.27E-05                                     |
| DRUM1              | Drum Storage Building #1 | Sulfolane                             | 126330   | 2.42E-08                                     | 2.42E-08                                     |
| DRUM1              | Drum Storage Building #1 | Tetrachloroethylene                   | 127184   | 1.12E-04                                     | 1.12E-04                                     |
| DRUM1              | Drum Storage Building #1 | Tetraethyl Orthosilicate              | 78104    | 4.45E-09                                     | 4.45E-09                                     |
| DRUM1              | Drum Storage Building #1 | Tetrahydrofuran                       | 109999   | 6.62E-06                                     | 6.62E-06                                     |
| DRUM1              | Drum Storage Building #1 | Toluene                               | 108883   | 3.64E-05                                     | 3.64E-05                                     |
| DRUM1              | Drum Storage Building #1 | Trichloroethylene                     | 79016    | 1.19E-04                                     | 1.19E-04                                     |
| DRUM1              | Drum Storage Building #1 | Triethylenetetramine                  | 112243   | 1.67E-11                                     | 1.67E-11                                     |
| DRUM1              | Drum Storage Building #1 | Xylenes                               | 1330207  | 6.10E-05                                     | 6.10E-05                                     |
| DRUM2              | Drum Storage Building #2 | 1,1,1-Trichloroethane                 | 71556    | 1.70E-05                                     | 1.70E-05                                     |
| DRUM2              | Drum Storage Building #2 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 6.34E-05                                     | 6.34E-05                                     |
| DRUM2              | Drum Storage Building #2 | 1-Methoxy-2-Propanol                  | 107982   | 1.16E-06                                     | 1.16E-06                                     |
| DRUM2              | Drum Storage Building #2 | 2-Butoxyethanol acetate               | 112072   | 5.27E-10                                     | 5.27E-10                                     |
| DRUM2              | Drum Storage Building #2 | 2-Ethoxyethyl acetate                 | 111159   | 1.83E-06                                     | 1.83E-06                                     |
| DRUM2              | Drum Storage Building #2 | 2-Ethoxypropanol                      | 19089475 | 2.60E-05                                     | 2.60E-05                                     |
| DRUM2              | Drum Storage Building #2 | 2-Heptanone                           | 110430   | 4.23E-07                                     | 4.23E-07                                     |
| DRUM2              | Drum Storage Building #2 | 2-Pentanonone                         | 107879   | 1.10E-05                                     | 1.10E-05                                     |
| DRUM2              | Drum Storage Building #2 | Acetone                               | 67641    | 9.50E-04                                     | 9.50E-04                                     |
| DRUM2              | Drum Storage Building #2 | Acetonitrile                          | 75058    | 2.02E-06                                     | 2.02E-06                                     |
| DRUM2              | Drum Storage Building #2 | Alcohols                              | 67630    | 2.43E-04                                     | 2.43E-04                                     |
| DRUM2              | Drum Storage Building #2 | Butyl Acetate                         | 123864   | 3.38E-07                                     | 3.38E-07                                     |
| DRUM2              | Drum Storage Building #2 | Chloroform                            | 67663    | 1.26E-06                                     | 1.26E-06                                     |
| DRUM2              | Drum Storage Building #2 | Cyclohexanone                         | 108941   | 1.58E-06                                     | 1.58E-06                                     |
| DRUM2              | Drum Storage Building #2 | Dibutyl Phthalate                     | 84742    | 3.70E-14                                     | 3.70E-14                                     |
| DRUM2              | Drum Storage Building #2 | Diethylene Glycol                     | 111466   | 9.59E-08                                     | 9.59E-08                                     |
| DRUM2              | Drum Storage Building #2 | Diethylene Glycol Butyl Ether         | 112345   | 1.07E-07                                     | 1.07E-07                                     |
| DRUM2              | Drum Storage Building #2 | Dimethylformamide                     | 68122    | 2.06E-07                                     | 2.06E-07                                     |
| DRUM2              | Drum Storage Building #2 | Ethanol                               | 64175    | 5.17E-06                                     | 5.17E-06                                     |
| DRUM2              | Drum Storage Building #2 | Ethyl Acetate                         | 141786   | 1.15E-05                                     | 1.15E-05                                     |
| DRUM2              | Drum Storage Building #2 | Ethyl Benzene                         | 100414   | 1.39E-07                                     | 1.39E-07                                     |
| DRUM2              | Drum Storage Building #2 | Ethyl Lactate                         | 687478   | 5.16E-05                                     | 5.16E-05                                     |
| DRUM2              | Drum Storage Building #2 | Ethyl-3-Ethoxypropionate              | 763699   | 3.64E-07                                     | 3.64E-07                                     |
| DRUM2              | Drum Storage Building #2 | Ethylene Glycol                       | 107211   | 3.35E-08                                     | 3.35E-08                                     |
| DRUM2              | Drum Storage Building #2 | Heptane                               | 142825   | 6.06E-07                                     | 6.06E-07                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description              | Chemical                              | CAS No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------------|---------------------------------------|----------|--|--|
| DRUM2              | Drum Storage Building #2 | Hexamethyldisilazane                  | 999973   | 7.56E-06                                     | 7.56E-06                                     |
| DRUM2              | Drum Storage Building #2 | Hexane                                | 110543   | 3.37E-06                                     | 3.37E-06                                     |
| DRUM2              | Drum Storage Building #2 | Isoparaffinic Hydrocarbons            | 64771728 | 2.15E-06                                     | 2.15E-06                                     |
| DRUM2              | Drum Storage Building #2 | Isopropanolamine                      | 78966    | 1.60E-07                                     | 1.60E-07                                     |
| DRUM2              | Drum Storage Building #2 | Isopropyl Acetate                     | 108214   | 3.38E-08                                     | 3.38E-08                                     |
| DRUM2              | Drum Storage Building #2 | Methanol                              | 67561    | 1.75E-05                                     | 1.75E-05                                     |
| DRUM2              | Drum Storage Building #2 | Methyl Ethyl Ketone                   | 78933    | 1.16E-04                                     | 1.16E-04                                     |
| DRUM2              | Drum Storage Building #2 | Methyl Isobutyl Ketone                | 108101   | 8.54E-07                                     | 8.54E-07                                     |
| DRUM2              | Drum Storage Building #2 | Methylene Chloride                    | 75092    | 3.77E-04                                     | 3.77E-04                                     |
| DRUM2              | Drum Storage Building #2 | Naphtha                               | 8030306  | 8.20E-05                                     | 8.20E-05                                     |
| DRUM2              | Drum Storage Building #2 | n-Butanol                             | 71363    | 7.60E-07                                     | 7.60E-07                                     |
| DRUM2              | Drum Storage Building #2 | n-Butyl Cellosolve                    | 111762   | 5.13E-09                                     | 5.13E-09                                     |
| DRUM2              | Drum Storage Building #2 | n-Methyl-2-Pyrrolidone                | 872504   | 3.91E-05                                     | 3.91E-05                                     |
| DRUM2              | Drum Storage Building #2 | n-Propyl Acetate                      | 109604   | 4.15E-06                                     | 4.15E-06                                     |
| DRUM2              | Drum Storage Building #2 | Petroleum Oil Products                | 8002059  | 1.53E-08                                     | 1.53E-08                                     |
| DRUM2              | Drum Storage Building #2 | Phenol                                | 108952   | 4.27E-10                                     | 4.27E-10                                     |
| DRUM2              | Drum Storage Building #2 | Phosphoric Acid                       | 7664382  | 6.78E-10                                     | 6.78E-10                                     |
| DRUM2              | Drum Storage Building #2 | Propylene Glycol Methyl Ether Acetate | 108656   | 2.93E-06                                     | 2.93E-06                                     |
| DRUM2              | Drum Storage Building #2 | Stoddard Solvent                      | 8052413  | 2.84E-05                                     | 2.84E-05                                     |
| DRUM2              | Drum Storage Building #2 | Sulfolane                             | 126330   | 1.10E-08                                     | 1.10E-08                                     |
| DRUM2              | Drum Storage Building #2 | Tetrachloroethylene                   | 127184   | 5.06E-05                                     | 5.06E-05                                     |
| DRUM2              | Drum Storage Building #2 | Tetraethyl Orthosilicate              | 78104    | 2.01E-09                                     | 2.01E-09                                     |
| DRUM2              | Drum Storage Building #2 | Tetrahydrofuran                       | 109999   | 3.00E-06                                     | 3.00E-06                                     |
| DRUM2              | Drum Storage Building #2 | Toluene                               | 108883   | 1.65E-05                                     | 1.65E-05                                     |
| DRUM2              | Drum Storage Building #2 | Trichloroethylene                     | 79016    | 5.41E-05                                     | 5.41E-05                                     |
| DRUM2              | Drum Storage Building #2 | Triethylenetetramine                  | 112243   | 7.55E-12                                     | 7.55E-12                                     |
| DRUM2              | Drum Storage Building #2 | Xylenes                               | 1330207  | 2.76E-05                                     | 2.76E-05                                     |
| DRUMSAMP           | Drum Sampling            | 1,1,1-Trichloroethane                 | 71556    | 1.72E-06                                     | 1.72E-06                                     |
| DRUMSAMP           | Drum Sampling            | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 6.45E-06                                     | 6.45E-06                                     |
| DRUMSAMP           | Drum Sampling            | 1-Methoxy-2-Propanol                  | 107982   | 1.18E-07                                     | 1.18E-07                                     |
| DRUMSAMP           | Drum Sampling            | 2-Butoxyethanol acetate               | 112072   | 5.36E-11                                     | 5.36E-11                                     |
| DRUMSAMP           | Drum Sampling            | 2-Ethoxyethyl acetate                 | 111159   | 1.86E-07                                     | 1.86E-07                                     |
| DRUMSAMP           | Drum Sampling            | 2-Ethoxypropanol                      | 19089475 | 2.64E-06                                     | 2.64E-06                                     |
| DRUMSAMP           | Drum Sampling            | 2-Heptanone                           | 110430   | 4.31E-08                                     | 4.31E-08                                     |
| DRUMSAMP           | Drum Sampling            | 2-Pentanonone                         | 107879   | 1.12E-06                                     | 1.12E-06                                     |
| DRUMSAMP           | Drum Sampling            | Acetone                               | 67641    | 9.66E-05                                     | 9.66E-05                                     |
| DRUMSAMP           | Drum Sampling            | Acetonitrile                          | 75058    | 2.05E-07                                     | 2.05E-07                                     |
| DRUMSAMP           | Drum Sampling            | Alcohols                              | 67630    | 2.47E-05                                     | 2.47E-05                                     |
| DRUMSAMP           | Drum Sampling            | Butyl Acetate                         | 123864   | 3.44E-08                                     | 3.44E-08                                     |
| DRUMSAMP           | Drum Sampling            | Chloroform                            | 67663    | 1.28E-07                                     | 1.28E-07                                     |
| DRUMSAMP           | Drum Sampling            | Cyclohexanonone                       | 108941   | 1.61E-07                                     | 1.61E-07                                     |
| DRUMSAMP           | Drum Sampling            | Dibutyl Phthalate                     | 84742    | 3.77E-15                                     | 3.77E-15                                     |
| DRUMSAMP           | Drum Sampling            | Diethylene Glycol                     | 111466   | 9.75E-09                                     | 9.75E-09                                     |
| DRUMSAMP           | Drum Sampling            | Diethylene Glycol Butyl Ether         | 112345   | 1.09E-08                                     | 1.09E-08                                     |
| DRUMSAMP           | Drum Sampling            | Dimethylformamide                     | 68122    | 2.09E-08                                     | 2.09E-08                                     |
| DRUMSAMP           | Drum Sampling            | Ethanol                               | 64175    | 5.26E-07                                     | 5.26E-07                                     |
| DRUMSAMP           | Drum Sampling            | Ethyl Acetate                         | 141786   | 1.17E-06                                     | 1.17E-06                                     |
| DRUMSAMP           | Drum Sampling            | Ethyl Benzene                         | 100414   | 1.42E-08                                     | 1.42E-08                                     |
| DRUMSAMP           | Drum Sampling            | Ethyl Lactate                         | 687478   | 5.24E-06                                     | 5.24E-06                                     |
| DRUMSAMP           | Drum Sampling            | Ethyl-3-Ethoxypropionate              | 763699   | 3.70E-08                                     | 3.70E-08                                     |
| DRUMSAMP           | Drum Sampling            | Ethylene Glycol                       | 107211   | 3.41E-09                                     | 3.41E-09                                     |
| DRUMSAMP           | Drum Sampling            | Heptane                               | 142825   | 6.16E-08                                     | 6.16E-08                                     |
| DRUMSAMP           | Drum Sampling            | Hexamethyldisilazane                  | 999973   | 7.69E-07                                     | 7.69E-07                                     |
| DRUMSAMP           | Drum Sampling            | Hexane                                | 110543   | 3.42E-07                                     | 3.42E-07                                     |
| DRUMSAMP           | Drum Sampling            | Isoparaffinic Hydrocarbons            | 64771728 | 2.19E-07                                     | 2.19E-07                                     |
| DRUMSAMP           | Drum Sampling            | Isopropanolamine                      | 78966    | 1.63E-08                                     | 1.63E-08                                     |
| DRUMSAMP           | Drum Sampling            | Isopropyl Acetate                     | 108214   | 3.43E-09                                     | 3.43E-09                                     |
| DRUMSAMP           | Drum Sampling            | Methanol                              | 67561    | 1.78E-06                                     | 1.78E-06                                     |
| DRUMSAMP           | Drum Sampling            | Methyl Ethyl Ketone                   | 78933    | 1.18E-05                                     | 1.18E-05                                     |
| DRUMSAMP           | Drum Sampling            | Methyl Isobutyl Ketone                | 108101   | 8.68E-08                                     | 8.68E-08                                     |
| DRUMSAMP           | Drum Sampling            | Methylene Chloride                    | 75092    | 3.83E-05                                     | 3.83E-05                                     |
| DRUMSAMP           | Drum Sampling            | Naphtha                               | 8030306  | 8.34E-06                                     | 8.34E-06                                     |
| DRUMSAMP           | Drum Sampling            | n-Butanol                             | 71363    | 7.73E-08                                     | 7.73E-08                                     |
| DRUMSAMP           | Drum Sampling            | n-Butyl Cellosolve                    | 111762   | 5.22E-10                                     | 5.22E-10                                     |
| DRUMSAMP           | Drum Sampling            | n-Methyl-2-Pyrrolidone                | 872504   | 3.98E-06                                     | 3.98E-06                                     |
| DRUMSAMP           | Drum Sampling            | n-Propyl Acetate                      | 109604   | 4.22E-07                                     | 4.22E-07                                     |
| DRUMSAMP           | Drum Sampling            | Petroleum Oil Products                | 8002059  | 1.56E-09                                     | 1.56E-09                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description   | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|---------------|---------------------------------------|----------|--|--|
| DRUMSAMP           | Drum Sampling | Phenol                                | 108952   | 4.34E-11                                     | 4.34E-11                                     |
| DRUMSAMP           | Drum Sampling | Phosphoric Acid                       | 7664382  | 6.89E-11                                     | 6.89E-11                                     |
| DRUMSAMP           | Drum Sampling | Propylene Glycol Methyl Ether Acetate | 108656   | 2.98E-07                                     | 2.98E-07                                     |
| DRUMSAMP           | Drum Sampling | Stoddard Solvent                      | 8052413  | 2.89E-06                                     | 2.89E-06                                     |
| DRUMSAMP           | Drum Sampling | Sulfolane                             | 126330   | 1.11E-09                                     | 1.11E-09                                     |
| DRUMSAMP           | Drum Sampling | Tetrachloroethylene                   | 127184   | 5.14E-06                                     | 5.14E-06                                     |
| DRUMSAMP           | Drum Sampling | Tetraethyl Orthosilicate              | 78104    | 2.05E-10                                     | 2.05E-10                                     |
| DRUMSAMP           | Drum Sampling | Tetrahydrofuran                       | 109999   | 3.05E-07                                     | 3.05E-07                                     |
| DRUMSAMP           | Drum Sampling | Toluene                               | 108883   | 1.68E-06                                     | 1.68E-06                                     |
| DRUMSAMP           | Drum Sampling | Trichloroethylene                     | 79016    | 5.50E-06                                     | 5.50E-06                                     |
| DRUMSAMP           | Drum Sampling | Triethylenetetramine                  | 112243   | 7.68E-13                                     | 7.68E-13                                     |
| DRUMSAMP           | Drum Sampling | Xylenes                               | 1330207  | 2.81E-06                                     | 2.81E-06                                     |
| FARM_A             | Tank Farm A   | 1,1,1-Trichloroethane                 | 71556    | 2.43E-05                                     | 2.43E-05                                     |
| FARM_A             | Tank Farm A   | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 6.05E-06                                     | 6.05E-06                                     |
| FARM_A             | Tank Farm A   | 1,1,2-Trichloroethane                 | 79005    | 1.19E-09                                     | 1.19E-09                                     |
| FARM_A             | Tank Farm A   | 1,2,4-Trimethylbenzene                | 95636    | 4.37E-08                                     | 4.37E-08                                     |
| FARM_A             | Tank Farm A   | 1,2-Dichlorobenzene                   | 95501    | 5.34E-10                                     | 5.34E-10                                     |
| FARM_A             | Tank Farm A   | 1,3,5-Trimethylbenzene                | 108678   | 3.70E-08                                     | 3.70E-08                                     |
| FARM_A             | Tank Farm A   | 1,4-Dioxane                           | 123911   | 5.49E-07                                     | 5.49E-07                                     |
| FARM_A             | Tank Farm A   | 1-Methoxy-2-Propanol                  | 107982   | 1.63E-04                                     | 1.63E-04                                     |
| FARM_A             | Tank Farm A   | 2-Butoxyethanol acetate               | 112072   | 2.17E-10                                     | 2.17E-10                                     |
| FARM_A             | Tank Farm A   | 2-Ethoxyethyl acetate                 | 111159   | 1.67E-07                                     | 1.67E-07                                     |
| FARM_A             | Tank Farm A   | 2-Ethoxypropanol                      | 19089475 | 1.19E-06                                     | 1.19E-06                                     |
| FARM_A             | Tank Farm A   | 2-Heptanone                           | 110430   | 5.36E-08                                     | 5.36E-08                                     |
| FARM_A             | Tank Farm A   | 2-Methoxyethanol                      | 109864   | 1.03E-06                                     | 1.03E-06                                     |
| FARM_A             | Tank Farm A   | 2-Methyl-1-Propanol                   | 78831    | 2.30E-07                                     | 2.30E-07                                     |
| FARM_A             | Tank Farm A   | 2-Pentanone                           | 107879   | 6.69E-05                                     | 6.69E-05                                     |
| FARM_A             | Tank Farm A   | 2-Pyrrolidone                         | 616455   | 4.96E-09                                     | 4.96E-09                                     |
| FARM_A             | Tank Farm A   | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 4.27E-10                                     | 4.27E-10                                     |
| FARM_A             | Tank Farm A   | Acetic acid                           | 64197    | 1.72E-06                                     | 1.72E-06                                     |
| FARM_A             | Tank Farm A   | Acetone                               | 67641    | 2.79E-03                                     | 2.79E-03                                     |
| FARM_A             | Tank Farm A   | Acetonitrile                          | 75058    | 1.57E-04                                     | 1.57E-04                                     |
| FARM_A             | Tank Farm A   | Alcohols                              | 67630    | 5.01E-04                                     | 5.01E-04                                     |
| FARM_A             | Tank Farm A   | Amyl Acetate                          | 628637   | 1.22E-06                                     | 1.22E-06                                     |
| FARM_A             | Tank Farm A   | Benzene                               | 71432    | 3.64E-05                                     | 3.64E-05                                     |
| FARM_A             | Tank Farm A   | Biocide (as Acrolein)                 | 107028   | 2.54E-08                                     | 2.54E-08                                     |
| FARM_A             | Tank Farm A   | Brominated Bisphenol                  | 79947    | 1.03E-17                                     | 1.03E-17                                     |
| FARM_A             | Tank Farm A   | Butyl Acetate                         | 123864   | 1.89E-05                                     | 1.89E-05                                     |
| FARM_A             | Tank Farm A   | Carbon Tetrachloride                  | 56235    | 1.77E-08                                     | 1.77E-08                                     |
| FARM_A             | Tank Farm A   | Chlorobenzene                         | 108907   | 1.65E-08                                     | 1.65E-08                                     |
| FARM_A             | Tank Farm A   | Chloroform                            | 67663    | 1.27E-05                                     | 1.27E-05                                     |
| FARM_A             | Tank Farm A   | Cresol                                | 1319773  | 3.70E-10                                     | 3.70E-10                                     |
| FARM_A             | Tank Farm A   | Cyclohexane                           | 110827   | 4.58E-05                                     | 4.58E-05                                     |
| FARM_A             | Tank Farm A   | Cyclohexanone                         | 108941   | 1.46E-06                                     | 1.46E-06                                     |
| FARM_A             | Tank Farm A   | Dibutyl Phthalate                     | 84742    | 9.52E-16                                     | 9.52E-16                                     |
| FARM_A             | Tank Farm A   | Diesel Fuel                           | 68476346 | 2.59E-06                                     | 2.59E-06                                     |
| FARM_A             | Tank Farm A   | Diethylene Glycol                     | 111466   | 6.73E-09                                     | 6.73E-09                                     |
| FARM_A             | Tank Farm A   | Diethylene Glycol Butyl Ether         | 112345   | 1.27E-09                                     | 1.27E-09                                     |
| FARM_A             | Tank Farm A   | Diethylenetriamine                    | 111400   | 3.16E-10                                     | 3.16E-10                                     |
| FARM_A             | Tank Farm A   | Dimethylformamide                     | 68122    | 1.97E-06                                     | 1.97E-06                                     |
| FARM_A             | Tank Farm A   | Ethanol                               | 64175    | 1.53E-04                                     | 1.53E-04                                     |
| FARM_A             | Tank Farm A   | Ethyl Acetate                         | 141786   | 6.99E-05                                     | 6.99E-05                                     |
| FARM_A             | Tank Farm A   | Ethyl Benzene                         | 100414   | 1.43E-06                                     | 1.43E-06                                     |
| FARM_A             | Tank Farm A   | Ethyl Lactate                         | 687478   | 2.44E-05                                     | 2.44E-05                                     |
| FARM_A             | Tank Farm A   | Ethyl-3-Ethoxypropionate              | 763699   | 5.44E-08                                     | 5.44E-08                                     |
| FARM_A             | Tank Farm A   | Ethylene Glycol                       | 107211   | 6.27E-06                                     | 6.27E-06                                     |
| FARM_A             | Tank Farm A   | Ferric Chloride                       | 7705080  | 1.43E-07                                     | 1.43E-07                                     |
| FARM_A             | Tank Farm A   | Formic Acid                           | 64186    | 1.24E-09                                     | 1.24E-09                                     |
| FARM_A             | Tank Farm A   | Gasoline                              | 8006619  | 1.74E-03                                     | 1.74E-03                                     |
| FARM_A             | Tank Farm A   | Glycerin                              | 56815    | 1.75E-15                                     | 1.75E-15                                     |
| FARM_A             | Tank Farm A   | Heptane                               | 142825   | 6.62E-06                                     | 6.62E-06                                     |
| FARM_A             | Tank Farm A   | Hexamethyldisilazane                  | 999973   | 4.63E-07                                     | 4.63E-07                                     |
| FARM_A             | Tank Farm A   | Hexane                                | 110543   | 3.61E-05                                     | 3.61E-05                                     |
| FARM_A             | Tank Farm A   | Hydrochloric Acid                     | 7647010  | 7.99E-10                                     | 7.99E-10                                     |
| FARM_A             | Tank Farm A   | Hydrofluoric Acid                     | 7664393  | 5.67E-07                                     | 5.67E-07                                     |
| FARM_A             | Tank Farm A   | isobutyl acetate                      | 110190   | 3.05E-07                                     | 3.05E-07                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------|---------------------------------------|----------|--|--|
| FARM_A             | Tank Farm A | Isobutyl Isobutyrate                  | 97858    | 2.62E-10                                     | 2.62E-10                                     |
| FARM_A             | Tank Farm A | Isoparaffinic Hydrocarbons            | 64771728 | 1.76E-05                                     | 1.76E-05                                     |
| FARM_A             | Tank Farm A | Isopropanolamine                      | 78966    | 7.32E-09                                     | 7.32E-09                                     |
| FARM_A             | Tank Farm A | Isopropyl Acetate                     | 108214   | 7.51E-07                                     | 7.51E-07                                     |
| FARM_A             | Tank Farm A | Jet Fuel/Kerosene                     | 8008206  | 3.43E-06                                     | 3.43E-06                                     |
| FARM_A             | Tank Farm A | Methanol                              | 67561    | 4.82E-04                                     | 4.82E-04                                     |
| FARM_A             | Tank Farm A | Methyl Ethyl Ketone                   | 78933    | 5.34E-04                                     | 5.34E-04                                     |
| FARM_A             | Tank Farm A | Methyl Isobutyl Ketone                | 108101   | 1.86E-05                                     | 1.86E-05                                     |
| FARM_A             | Tank Farm A | Methylene Chloride                    | 75092    | 8.79E-04                                     | 8.79E-04                                     |
| FARM_A             | Tank Farm A | Mineral Oil                           | 8012951  | 3.30E-05                                     | 3.30E-05                                     |
| FARM_A             | Tank Farm A | Naphtha                               | 8030306  | 5.99E-04                                     | 5.99E-04                                     |
| FARM_A             | Tank Farm A | Naphthalene                           | 91203    | 2.19E-09                                     | 2.19E-09                                     |
| FARM_A             | Tank Farm A | n-Butanol                             | 71363    | 8.35E-06                                     | 8.35E-06                                     |
| FARM_A             | Tank Farm A | n-Butyl Cellosolve                    | 111762   | 5.35E-07                                     | 5.35E-07                                     |
| FARM_A             | Tank Farm A | Nitric Acid                           | 7697372  | 3.28E-09                                     | 3.28E-09                                     |
| FARM_A             | Tank Farm A | n-Methyl-2-Pyrrolidone                | 872504   | 1.20E-05                                     | 1.20E-05                                     |
| FARM_A             | Tank Farm A | n-Propyl Acetate                      | 109604   | 1.81E-06                                     | 1.81E-06                                     |
| FARM_A             | Tank Farm A | Petroleum Oil Products                | 8002059  | 2.73E-07                                     | 2.73E-07                                     |
| FARM_A             | Tank Farm A | Phenol                                | 108952   | 2.06E-08                                     | 2.06E-08                                     |
| FARM_A             | Tank Farm A | Phenylmercuric acetate                | 62384    | 3.16E-17                                     | 3.16E-17                                     |
| FARM_A             | Tank Farm A | Phosphoric Acid                       | 7664382  | 1.54E-09                                     | 1.54E-09                                     |
| FARM_A             | Tank Farm A | Polydimethyl Siloxane                 | 63148629 | 2.87E-09                                     | 2.87E-09                                     |
| FARM_A             | Tank Farm A | Propylene Glycol Methyl Ether Acetate | 108656   | 6.37E-06                                     | 6.37E-06                                     |
| FARM_A             | Tank Farm A | Propylene Oxide                       | 75569    | 4.11E-06                                     | 4.11E-06                                     |
| FARM_A             | Tank Farm A | Pyridine                              | 110861   | 3.75E-07                                     | 3.75E-07                                     |
| FARM_A             | Tank Farm A | Stoddard Solvent                      | 8052413  | 2.80E-04                                     | 2.80E-04                                     |
| FARM_A             | Tank Farm A | Styrene                               | 100425   | 1.08E-06                                     | 1.08E-06                                     |
| FARM_A             | Tank Farm A | Sulfolane                             | 126330   | 8.24E-07                                     | 8.24E-07                                     |
| FARM_A             | Tank Farm A | Sulfuric Acid                         | 7664939  | 4.71E-12                                     | 4.71E-12                                     |
| FARM_A             | Tank Farm A | Tetrachloroethylene                   | 127184   | 3.21E-05                                     | 3.21E-05                                     |
| FARM_A             | Tank Farm A | Tetraethyl Orthosilicate              | 78104    | 4.39E-07                                     | 4.39E-07                                     |
| FARM_A             | Tank Farm A | Tetrahydrofuran                       | 109999   | 3.44E-05                                     | 3.44E-05                                     |
| FARM_A             | Tank Farm A | Toluene                               | 108883   | 2.86E-04                                     | 2.86E-04                                     |
| FARM_A             | Tank Farm A | Trichloroethylene                     | 79016    | 1.47E-04                                     | 1.47E-04                                     |
| FARM_A             | Tank Farm A | Triethylenetetramine                  | 112243   | 8.70E-11                                     | 8.70E-11                                     |
| FARM_A             | Tank Farm A | Xylenes                               | 1330207  | 4.41E-05                                     | 4.41E-05                                     |
| FARM_B             | Tank Farm B | 1,1,1-Trichloroethane                 | 71556    | 1.40E-05                                     | 1.40E-05                                     |
| FARM_B             | Tank Farm B | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 1.55E-05                                     | 1.55E-05                                     |
| FARM_B             | Tank Farm B | 1,1,2-Trichloroethane                 | 79005    | 1.83E-10                                     | 1.83E-10                                     |
| FARM_B             | Tank Farm B | 1,2,4-Trimethylbenzene                | 95636    | 2.84E-07                                     | 2.84E-07                                     |
| FARM_B             | Tank Farm B | 1,2-Dichlorobenzene                   | 95501    | 1.83E-09                                     | 1.83E-09                                     |
| FARM_B             | Tank Farm B | 1,3,5-Trimethylbenzene                | 108678   | 5.69E-09                                     | 5.69E-09                                     |
| FARM_B             | Tank Farm B | 1,4-Dioxane                           | 123911   | 8.43E-08                                     | 8.43E-08                                     |
| FARM_B             | Tank Farm B | 1-Methoxy-2-Propanol                  | 107982   | 2.97E-05                                     | 2.97E-05                                     |
| FARM_B             | Tank Farm B | 2-Butoxyethanol acetate               | 112072   | 1.55E-10                                     | 1.55E-10                                     |
| FARM_B             | Tank Farm B | 2-Ethoxyethyl acetate                 | 111159   | 4.47E-07                                     | 4.47E-07                                     |
| FARM_B             | Tank Farm B | 2-Ethoxypropanol                      | 19089475 | 6.16E-06                                     | 6.16E-06                                     |
| FARM_B             | Tank Farm B | 2-Heptanone                           | 110430   | 8.88E-08                                     | 8.88E-08                                     |
| FARM_B             | Tank Farm B | 2-Methoxyethanol                      | 109864   | 2.13E-07                                     | 2.13E-07                                     |
| FARM_B             | Tank Farm B | 2-Methyl-1-Propanol                   | 78831    | 1.50E-06                                     | 1.50E-06                                     |
| FARM_B             | Tank Farm B | 2-Pentanonone                         | 107879   | 1.27E-05                                     | 1.27E-05                                     |
| FARM_B             | Tank Farm B | 2-Pyrrolidone                         | 616455   | 3.23E-08                                     | 3.23E-08                                     |
| FARM_B             | Tank Farm B | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 6.56E-11                                     | 6.56E-11                                     |
| FARM_B             | Tank Farm B | Acetic acid                           | 64197    | 7.60E-06                                     | 7.60E-06                                     |
| FARM_B             | Tank Farm B | Acetone                               | 67641    | 4.80E-03                                     | 4.80E-03                                     |
| FARM_B             | Tank Farm B | Acetonitrile                          | 75058    | 7.34E-05                                     | 7.34E-05                                     |
| FARM_B             | Tank Farm B | Alcohols                              | 67630    | 7.00E-04                                     | 7.00E-04                                     |
| FARM_B             | Tank Farm B | Amyl Acetate                          | 628637   | 1.88E-07                                     | 1.88E-07                                     |
| FARM_B             | Tank Farm B | Benzene                               | 71432    | 3.09E-05                                     | 3.09E-05                                     |
| FARM_B             | Tank Farm B | Biocide (as Acrolein)                 | 107028   | 1.66E-07                                     | 1.66E-07                                     |
| FARM_B             | Tank Farm B | Brominated Bisphenol                  | 79947    | 1.59E-18                                     | 1.59E-18                                     |
| FARM_B             | Tank Farm B | Butyl Acetate                         | 123864   | 4.99E-05                                     | 4.99E-05                                     |
| FARM_B             | Tank Farm B | Carbon Tetrachloride                  | 56235    | 2.72E-09                                     | 2.72E-09                                     |
| FARM_B             | Tank Farm B | Chlorobenzene                         | 108907   | 2.37E-08                                     | 2.37E-08                                     |
| FARM_B             | Tank Farm B | Chloroform                            | 67663    | 9.90E-06                                     | 9.90E-06                                     |
| FARM_B             | Tank Farm B | Cresol                                | 1319773  | 6.66E-10                                     | 6.66E-10                                     |
| FARM_B             | Tank Farm B | Cyclohexane                           | 110827   | 2.50E-04                                     | 2.50E-04                                     |



**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description  | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------|---------------------------------------|----------|--|--|
| FARM_B             | Tank Farm B  | Cyclohexanone                         | 108941   | 2.52E-06                                     | 2.52E-06                                     |
| FARM_B             | Tank Farm B  | Dibutyl Phthalate                     | 84742    | 3.71E-16                                     | 3.71E-16                                     |
| FARM_B             | Tank Farm B  | Diesel Fuel                           | 68476346 | 1.01E-05                                     | 1.01E-05                                     |
| FARM_B             | Tank Farm B  | Diethylene Glycol                     | 111466   | 1.57E-08                                     | 1.57E-08                                     |
| FARM_B             | Tank Farm B  | Diethylene Glycol Butyl Ether         | 112345   | 7.21E-09                                     | 7.21E-09                                     |
| FARM_B             | Tank Farm B  | Diethylenetriamine                    | 111400   | 2.06E-09                                     | 2.06E-09                                     |
| FARM_B             | Tank Farm B  | Dimethylformamide                     | 68122    | 4.89E-07                                     | 4.89E-07                                     |
| FARM_B             | Tank Farm B  | Ethanol                               | 64175    | 1.36E-04                                     | 1.36E-04                                     |
| FARM_B             | Tank Farm B  | Ethyl Acetate                         | 141786   | 5.19E-05                                     | 5.19E-05                                     |
| FARM_B             | Tank Farm B  | Ethyl Benzene                         | 100414   | 1.92E-06                                     | 1.92E-06                                     |
| FARM_B             | Tank Farm B  | Ethyl Lactate                         | 687478   | 1.72E-05                                     | 1.72E-05                                     |
| FARM_B             | Tank Farm B  | Ethyl-3-Ethoxypropionate              | 763699   | 1.34E-07                                     | 1.34E-07                                     |
| FARM_B             | Tank Farm B  | Ethylene Glycol                       | 107211   | 4.20E-06                                     | 4.20E-06                                     |
| FARM_B             | Tank Farm B  | Ferric Chloride                       | 7705080  | 5.78E-07                                     | 5.78E-07                                     |
| FARM_B             | Tank Farm B  | Formic Acid                           | 64186    | 1.91E-10                                     | 1.91E-10                                     |
| FARM_B             | Tank Farm B  | Gasoline                              | 8006619  | 7.43E-03                                     | 7.43E-03                                     |
| FARM_B             | Tank Farm B  | Glycerin                              | 56815    | 4.61E-15                                     | 4.61E-15                                     |
| FARM_B             | Tank Farm B  | Heptane                               | 142825   | 5.21E-06                                     | 5.21E-06                                     |
| FARM_B             | Tank Farm B  | Hexamethyldisilazane                  | 999973   | 1.81E-06                                     | 1.81E-06                                     |
| FARM_B             | Tank Farm B  | Hexane                                | 110543   | 1.28E-05                                     | 1.28E-05                                     |
| FARM_B             | Tank Farm B  | Hydrochloric Acid                     | 7647010  | 4.51E-09                                     | 4.51E-09                                     |
| FARM_B             | Tank Farm B  | Hydrofluoric Acid                     | 7664393  | 3.24E-06                                     | 3.24E-06                                     |
| FARM_B             | Tank Farm B  | isobutyl acetate                      | 110190   | 4.69E-08                                     | 4.69E-08                                     |
| FARM_B             | Tank Farm B  | isobutyl Isobutyrate                  | 97858    | 4.02E-11                                     | 4.02E-11                                     |
| FARM_B             | Tank Farm B  | Isoparaffinic Hydrocarbons            | 64771728 | 1.03E-05                                     | 1.03E-05                                     |
| FARM_B             | Tank Farm B  | Isopropanolamine                      | 78966    | 3.80E-08                                     | 3.80E-08                                     |
| FARM_B             | Tank Farm B  | Isopropyl Acetate                     | 108214   | 4.29E-06                                     | 4.29E-06                                     |
| FARM_B             | Tank Farm B  | Jet Fuel/Kerosene                     | 8008206  | 1.44E-05                                     | 1.44E-05                                     |
| FARM_B             | Tank Farm B  | Methanol                              | 67561    | 4.49E-04                                     | 4.49E-04                                     |
| FARM_B             | Tank Farm B  | Methyl Ethyl Ketone                   | 78933    | 7.88E-04                                     | 7.88E-04                                     |
| FARM_B             | Tank Farm B  | Methyl Isobutyl Ketone                | 108101   | 4.64E-06                                     | 4.64E-06                                     |
| FARM_B             | Tank Farm B  | Methylene Chloride                    | 75092    | 1.43E-03                                     | 1.43E-03                                     |
| FARM_B             | Tank Farm B  | Mineral Oil                           | 8012951  | 5.07E-06                                     | 5.07E-06                                     |
| FARM_B             | Tank Farm B  | Naphtha                               | 8030306  | 9.98E-04                                     | 9.98E-04                                     |
| FARM_B             | Tank Farm B  | Naphthalene                           | 91203    | 5.44E-09                                     | 5.44E-09                                     |
| FARM_B             | Tank Farm B  | n-Butanol                             | 71363    | 1.43E-05                                     | 1.43E-05                                     |
| FARM_B             | Tank Farm B  | n-Butyl Cellosolve                    | 111762   | 1.74E-06                                     | 1.74E-06                                     |
| FARM_B             | Tank Farm B  | Nitric Acid                           | 7697372  | 1.32E-08                                     | 1.32E-08                                     |
| FARM_B             | Tank Farm B  | n-Methyl-2-Pyrrolidone                | 872504   | 3.71E-05                                     | 3.71E-05                                     |
| FARM_B             | Tank Farm B  | n-Propyl Acetate                      | 109604   | 4.31E-06                                     | 4.31E-06                                     |
| FARM_B             | Tank Farm B  | Petroleum Oil Products                | 8002059  | 9.01E-07                                     | 9.01E-07                                     |
| FARM_B             | Tank Farm B  | Phenol                                | 108952   | 1.22E-07                                     | 1.22E-07                                     |
| FARM_B             | Tank Farm B  | Phenylmercuric acetate                | 62384    | 2.06E-16                                     | 2.06E-16                                     |
| FARM_B             | Tank Farm B  | Phosphoric Acid                       | 7664382  | 1.00E-08                                     | 1.00E-08                                     |
| FARM_B             | Tank Farm B  | Polydimethyl Siloxane                 | 63148629 | 5.71E-10                                     | 5.71E-10                                     |
| FARM_B             | Tank Farm B  | Propylene Glycol Methyl Ether Acetate | 108656   | 3.37E-06                                     | 3.37E-06                                     |
| FARM_B             | Tank Farm B  | Propylene Oxide                       | 75569    | 6.32E-07                                     | 6.32E-07                                     |
| FARM_B             | Tank Farm B  | Pyridine                              | 110861   | 2.92E-07                                     | 2.92E-07                                     |
| FARM_B             | Tank Farm B  | Stoddard Solvent                      | 8052413  | 8.82E-04                                     | 8.82E-04                                     |
| FARM_B             | Tank Farm B  | Styrene                               | 100425   | 2.07E-06                                     | 2.07E-06                                     |
| FARM_B             | Tank Farm B  | Sulfolane                             | 126330   | 1.12E-06                                     | 1.12E-06                                     |
| FARM_B             | Tank Farm B  | Sulfuric Acid                         | 7664939  | 1.89E-11                                     | 1.89E-11                                     |
| FARM_B             | Tank Farm B  | Tetrachloroethylene                   | 127184   | 4.91E-05                                     | 4.91E-05                                     |
| FARM_B             | Tank Farm B  | Tetraethyl Orthosilicate              | 78104    | 4.40E-07                                     | 4.40E-07                                     |
| FARM_B             | Tank Farm B  | Tetrahydrofuran                       | 109999   | 6.27E-06                                     | 6.27E-06                                     |
| FARM_B             | Tank Farm B  | Toluene                               | 108883   | 5.56E-04                                     | 5.56E-04                                     |
| FARM_B             | Tank Farm B  | Trichloroethylene                     | 79016    | 4.30E-05                                     | 4.30E-05                                     |
| FARM_B             | Tank Farm B  | Triethylenetetramine                  | 112243   | 1.51E-11                                     | 1.51E-11                                     |
| FARM_B             | Tank Farm B  | Xylenes                               | 1330207  | 7.79E-05                                     | 7.79E-05                                     |
| FARM_C1            | Tank Farm C1 | 1,1,1-Trichloroethane                 | 71556    | 4.98E-06                                     | 4.98E-06                                     |
| FARM_C1            | Tank Farm C1 | 1,2,4-Trimethylbenzene                | 95636    | 2.22E-07                                     | 2.22E-07                                     |
| FARM_C1            | Tank Farm C1 | 1,2-Dichlorobenzene                   | 95501    | 1.40E-09                                     | 1.40E-09                                     |
| FARM_C1            | Tank Farm C1 | 1-Methoxy-2-Propanol                  | 107982   | 2.49E-06                                     | 2.49E-06                                     |
| FARM_C1            | Tank Farm C1 | 2-Heptanone                           | 110430   | 3.68E-08                                     | 3.68E-08                                     |
| FARM_C1            | Tank Farm C1 | 2-Methoxyethanol                      | 109864   | 4.40E-08                                     | 4.40E-08                                     |
| FARM_C1            | Tank Farm C1 | 2-Methyl-1-Propanol                   | 78831    | 1.17E-06                                     | 1.17E-06                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description  | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------|---------------------------------------|----------|--|--|
| FARM_C1            | Tank Farm C1 | 2-Pyrrolidone                         | 616455   | 2.52E-08                                     | 2.52E-08                                     |
| FARM_C1            | Tank Farm C1 | Acetic acid                           | 64197    | 5.86E-06                                     | 5.86E-06                                     |
| FARM_C1            | Tank Farm C1 | Acetone                               | 67641    | 7.45E-04                                     | 7.45E-04                                     |
| FARM_C1            | Tank Farm C1 | Acetonitrile                          | 75058    | 3.91E-05                                     | 3.91E-05                                     |
| FARM_C1            | Tank Farm C1 | Alcohols                              | 67630    | 2.08E-04                                     | 2.08E-04                                     |
| FARM_C1            | Tank Farm C1 | Benzene                               | 71432    | 2.02E-05                                     | 2.02E-05                                     |
| FARM_C1            | Tank Farm C1 | Biocide (as Acrolein)                 | 107028   | 1.29E-07                                     | 1.29E-07                                     |
| FARM_C1            | Tank Farm C1 | Butyl Acetate                         | 123864   | 5.87E-06                                     | 5.87E-06                                     |
| FARM_C1            | Tank Farm C1 | Chlorobenzene                         | 108907   | 1.69E-08                                     | 1.69E-08                                     |
| FARM_C1            | Tank Farm C1 | Chloroform                            | 67663    | 6.08E-06                                     | 6.08E-06                                     |
| FARM_C1            | Tank Farm C1 | Cresol                                | 1319773  | 4.86E-10                                     | 4.86E-10                                     |
| FARM_C1            | Tank Farm C1 | Cyclohexane                           | 110827   | 1.94E-04                                     | 1.94E-04                                     |
| FARM_C1            | Tank Farm C1 | Cyclohexanone                         | 108941   | 1.53E-06                                     | 1.53E-06                                     |
| FARM_C1            | Tank Farm C1 | Diesel Fuel                           | 68476346 | 7.73E-06                                     | 7.73E-06                                     |
| FARM_C1            | Tank Farm C1 | Diethylene Glycol                     | 111466   | 9.93E-09                                     | 9.93E-09                                     |
| FARM_C1            | Tank Farm C1 | Diethylene Glycol Butyl Ether         | 112345   | 4.77E-09                                     | 4.77E-09                                     |
| FARM_C1            | Tank Farm C1 | Diethylenetriamine                    | 111400   | 1.60E-09                                     | 1.60E-09                                     |
| FARM_C1            | Tank Farm C1 | Dimethylformamide                     | 68122    | 1.12E-07                                     | 1.12E-07                                     |
| FARM_C1            | Tank Farm C1 | Ethanol                               | 64175    | 8.87E-05                                     | 8.87E-05                                     |
| FARM_C1            | Tank Farm C1 | Ethyl Acetate                         | 141786   | 3.08E-05                                     | 3.08E-05                                     |
| FARM_C1            | Tank Farm C1 | Ethyl Benzene                         | 100414   | 1.33E-06                                     | 1.33E-06                                     |
| FARM_C1            | Tank Farm C1 | Ethyl Lactate                         | 687478   | 1.27E-06                                     | 1.27E-06                                     |
| FARM_C1            | Tank Farm C1 | Ethylene Glycol                       | 107211   | 1.79E-05                                     | 1.79E-05                                     |
| FARM_C1            | Tank Farm C1 | Ferric Chloride                       | 7705080  | 4.44E-07                                     | 4.44E-07                                     |
| FARM_C1            | Tank Farm C1 | Gasoline                              | 8006619  | 5.72E-03                                     | 5.72E-03                                     |
| FARM_C1            | Tank Farm C1 | Glycerin                              | 56815    | 3.47E-15                                     | 3.47E-15                                     |
| FARM_C1            | Tank Farm C1 | Heptane                               | 142825   | 3.23E-06                                     | 3.23E-06                                     |
| FARM_C1            | Tank Farm C1 | Hexane                                | 110543   | 5.19E-06                                     | 5.19E-06                                     |
| FARM_C1            | Tank Farm C1 | Hydrochloric Acid                     | 7647010  | 3.51E-09                                     | 3.51E-09                                     |
| FARM_C1            | Tank Farm C1 | Hydrofluoric Acid                     | 7664393  | 2.43E-06                                     | 2.43E-06                                     |
| FARM_C1            | Tank Farm C1 | Isoparaffinic Hydrocarbons            | 64771728 | 6.08E-06                                     | 6.08E-06                                     |
| FARM_C1            | Tank Farm C1 | Isopropyl Acetate                     | 108214   | 3.33E-06                                     | 3.33E-06                                     |
| FARM_C1            | Tank Farm C1 | Jet Fuel/Kerosene                     | 8008206  | 1.11E-05                                     | 1.11E-05                                     |
| FARM_C1            | Tank Farm C1 | Methanol                              | 67561    | 8.89E-05                                     | 8.89E-05                                     |
| FARM_C1            | Tank Farm C1 | Methyl Ethyl Ketone                   | 78933    | 4.28E-05                                     | 4.28E-05                                     |
| FARM_C1            | Tank Farm C1 | Methyl Isobutyl Ketone                | 108101   | 1.27E-06                                     | 1.27E-06                                     |
| FARM_C1            | Tank Farm C1 | Methylene Chloride                    | 75092    | 9.71E-04                                     | 9.71E-04                                     |
| FARM_C1            | Tank Farm C1 | Naphtha                               | 8030306  | 2.93E-04                                     | 2.93E-04                                     |
| FARM_C1            | Tank Farm C1 | Naphthalene                           | 91203    | 4.08E-09                                     | 4.08E-09                                     |
| FARM_C1            | Tank Farm C1 | n-Butanol                             | 71363    | 2.38E-07                                     | 2.38E-07                                     |
| FARM_C1            | Tank Farm C1 | n-Butyl Cellosolve                    | 111762   | 4.48E-09                                     | 4.48E-09                                     |
| FARM_C1            | Tank Farm C1 | Nitric Acid                           | 7697372  | 1.01E-08                                     | 1.01E-08                                     |
| FARM_C1            | Tank Farm C1 | n-Methyl-2-Pyrrolidone                | 872504   | 2.10E-05                                     | 2.10E-05                                     |
| FARM_C1            | Tank Farm C1 | n-Propyl Acetate                      | 109604   | 2.54E-06                                     | 2.54E-06                                     |
| FARM_C1            | Tank Farm C1 | Petroleum Oil Products                | 8002059  | 6.84E-07                                     | 6.84E-07                                     |
| FARM_C1            | Tank Farm C1 | Phenol                                | 108952   | 9.47E-08                                     | 9.47E-08                                     |
| FARM_C1            | Tank Farm C1 | Phenylmercuric acetate                | 62384    | 1.61E-16                                     | 1.61E-16                                     |
| FARM_C1            | Tank Farm C1 | Phosphoric Acid                       | 7664382  | 7.81E-09                                     | 7.81E-09                                     |
| FARM_C1            | Tank Farm C1 | Polydimethyl Siloxane                 | 63148629 | 1.03E-10                                     | 1.03E-10                                     |
| FARM_C1            | Tank Farm C1 | Propylene Glycol Methyl Ether Acetate | 108656   | 1.37E-06                                     | 1.37E-06                                     |
| FARM_C1            | Tank Farm C1 | Pyridine                              | 110861   | 1.87E-07                                     | 1.87E-07                                     |
| FARM_C1            | Tank Farm C1 | Stoddard Solvent                      | 8052413  | 5.88E-03                                     | 5.88E-03                                     |
| FARM_C1            | Tank Farm C1 | Styrene                               | 100425   | 1.52E-06                                     | 1.52E-06                                     |
| FARM_C1            | Tank Farm C1 | Sulfolane                             | 126330   | 7.91E-07                                     | 7.91E-07                                     |
| FARM_C1            | Tank Farm C1 | Sulfuric Acid                         | 7664939  | 1.45E-11                                     | 1.45E-11                                     |
| FARM_C1            | Tank Farm C1 | Tetrachloroethylene                   | 127184   | 2.67E-05                                     | 2.67E-05                                     |
| FARM_C1            | Tank Farm C1 | Tetraethyl Orthosilicate              | 78104    | 2.97E-07                                     | 2.97E-07                                     |
| FARM_C1            | Tank Farm C1 | Tetrahydrofuran                       | 109999   | 2.57E-07                                     | 2.57E-07                                     |
| FARM_C1            | Tank Farm C1 | Toluene                               | 108883   | 1.22E-05                                     | 1.22E-05                                     |
| FARM_C1            | Tank Farm C1 | Trichloroethylene                     | 79016    | 6.93E-06                                     | 6.93E-06                                     |
| FARM_C1            | Tank Farm C1 | Xylenes                               | 1330207  | 6.16E-06                                     | 6.16E-06                                     |
| FARM_C3            | Tank Farm C3 | 1,1,1-Trichloroethane                 | 71556    | 1.01E-05                                     | 1.01E-05                                     |
| FARM_C3            | Tank Farm C3 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 2.35E-05                                     | 2.35E-05                                     |
| FARM_C3            | Tank Farm C3 | 1,2,4-Trimethylbenzene                | 95636    | 1.06E-07                                     | 1.06E-07                                     |
| FARM_C3            | Tank Farm C3 | 1,2-Dichlorobenzene                   | 95501    | 6.66E-10                                     | 6.66E-10                                     |
| FARM_C3            | Tank Farm C3 | 1-Methoxy-2-Propanol                  | 107982   | 4.11E-06                                     | 4.11E-06                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description  | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------|---------------------------------------|----------|--|--|
| FARM_C3            | Tank Farm C3 | 2-Butoxyethanol acetate               | 112072   | 1.96E-10                                     | 1.96E-10                                     |
| FARM_C3            | Tank Farm C3 | 2-Ethoxyethyl acetate                 | 111159   | 6.79E-07                                     | 6.79E-07                                     |
| FARM_C3            | Tank Farm C3 | 2-Ethoxypropanol                      | 19089475 | 9.64E-06                                     | 9.64E-06                                     |
| FARM_C3            | Tank Farm C3 | 2-Heptanone                           | 110430   | 9.01E-08                                     | 9.01E-08                                     |
| FARM_C3            | Tank Farm C3 | 2-Methoxyethanol                      | 109864   | 2.10E-08                                     | 2.10E-08                                     |
| FARM_C3            | Tank Farm C3 | 2-Methyl-1-Propanol                   | 78831    | 5.58E-07                                     | 5.58E-07                                     |
| FARM_C3            | Tank Farm C3 | 2-Pentanone                           | 107879   | 4.71E-06                                     | 4.71E-06                                     |
| FARM_C3            | Tank Farm C3 | 2-Pyrrolidone                         | 616455   | 1.20E-08                                     | 1.20E-08                                     |
| FARM_C3            | Tank Farm C3 | Acetic acid                           | 64197    | 2.80E-06                                     | 2.80E-06                                     |
| FARM_C3            | Tank Farm C3 | Acetone                               | 67641    | 7.50E-04                                     | 7.50E-04                                     |
| FARM_C3            | Tank Farm C3 | Acetonitrile                          | 75058    | 1.95E-05                                     | 1.95E-05                                     |
| FARM_C3            | Tank Farm C3 | Alcohols                              | 67630    | 2.06E-04                                     | 2.06E-04                                     |
| FARM_C3            | Tank Farm C3 | Benzene                               | 71432    | 9.65E-06                                     | 9.65E-06                                     |
| FARM_C3            | Tank Farm C3 | Biocide (as Acrolein)                 | 107028   | 6.17E-08                                     | 6.17E-08                                     |
| FARM_C3            | Tank Farm C3 | Butyl Acetate                         | 123864   | 2.95E-06                                     | 2.95E-06                                     |
| FARM_C3            | Tank Farm C3 | Chlorobenzene                         | 108907   | 8.09E-09                                     | 8.09E-09                                     |
| FARM_C3            | Tank Farm C3 | Chloroform                            | 67663    | 3.55E-06                                     | 3.55E-06                                     |
| FARM_C3            | Tank Farm C3 | Cresol                                | 1319773  | 2.32E-10                                     | 2.32E-10                                     |
| FARM_C3            | Tank Farm C3 | Cyclohexane                           | 110827   | 9.29E-05                                     | 9.29E-05                                     |
| FARM_C3            | Tank Farm C3 | Cyclohexanone                         | 108941   | 1.49E-06                                     | 1.49E-06                                     |
| FARM_C3            | Tank Farm C3 | Dibutyl Phthalate                     | 84742    | 7.81E-16                                     | 7.81E-16                                     |
| FARM_C3            | Tank Farm C3 | Diesel Fuel                           | 68476346 | 3.69E-06                                     | 3.69E-06                                     |
| FARM_C3            | Tank Farm C3 | Diethylene Glycol                     | 111466   | 8.01E-08                                     | 8.01E-08                                     |
| FARM_C3            | Tank Farm C3 | Diethylene Glycol Butyl Ether         | 112345   | 4.94E-09                                     | 4.94E-09                                     |
| FARM_C3            | Tank Farm C3 | Diethylenetriamine                    | 111400   | 7.66E-10                                     | 7.66E-10                                     |
| FARM_C3            | Tank Farm C3 | Dimethylformamide                     | 68122    | 1.48E-07                                     | 1.48E-07                                     |
| FARM_C3            | Tank Farm C3 | Ethanol                               | 64175    | 4.46E-05                                     | 4.46E-05                                     |
| FARM_C3            | Tank Farm C3 | Ethyl Acetate                         | 141786   | 1.97E-05                                     | 1.97E-05                                     |
| FARM_C3            | Tank Farm C3 | Ethyl Benzene                         | 100414   | 6.99E-07                                     | 6.99E-07                                     |
| FARM_C3            | Tank Farm C3 | Ethyl Lactate                         | 687478   | 1.98E-05                                     | 1.98E-05                                     |
| FARM_C3            | Tank Farm C3 | Ethyl-3-Ethoxypropionate              | 763699   | 2.03E-07                                     | 2.03E-07                                     |
| FARM_C3            | Tank Farm C3 | Ethylene Glycol                       | 107211   | 1.27E-05                                     | 1.27E-05                                     |
| FARM_C3            | Tank Farm C3 | Ferric Chloride                       | 7705080  | 2.12E-07                                     | 2.12E-07                                     |
| FARM_C3            | Tank Farm C3 | Gasoline                              | 8006619  | 2.73E-03                                     | 2.73E-03                                     |
| FARM_C3            | Tank Farm C3 | Glycerin                              | 56815    | 1.66E-15                                     | 1.66E-15                                     |
| FARM_C3            | Tank Farm C3 | Heptane                               | 142825   | 1.83E-06                                     | 1.83E-06                                     |
| FARM_C3            | Tank Farm C3 | Hexamethyldisilazane                  | 999973   | 2.81E-06                                     | 2.81E-06                                     |
| FARM_C3            | Tank Farm C3 | Hexane                                | 110543   | 3.89E-06                                     | 3.89E-06                                     |
| FARM_C3            | Tank Farm C3 | Hydrochloric Acid                     | 7647010  | 1.67E-09                                     | 1.67E-09                                     |
| FARM_C3            | Tank Farm C3 | Hydrofluoric Acid                     | 7664393  | 1.35E-06                                     | 1.35E-06                                     |
| FARM_C3            | Tank Farm C3 | Isoparaffinic Hydrocarbons            | 64771728 | 2.91E-06                                     | 2.91E-06                                     |
| FARM_C3            | Tank Farm C3 | Isopropanolamine                      | 78966    | 5.95E-08                                     | 5.95E-08                                     |
| FARM_C3            | Tank Farm C3 | Isopropyl Acetate                     | 108214   | 1.61E-06                                     | 1.61E-06                                     |
| FARM_C3            | Tank Farm C3 | Jet Fuel/Kerosene                     | 8008206  | 5.30E-06                                     | 5.30E-06                                     |
| FARM_C3            | Tank Farm C3 | Methanol                              | 67561    | 4.99E-05                                     | 4.99E-05                                     |
| FARM_C3            | Tank Farm C3 | Methyl Ethyl Ketone                   | 78933    | 6.91E-05                                     | 6.91E-05                                     |
| FARM_C3            | Tank Farm C3 | Methyl Isobutyl Ketone                | 108101   | 9.68E-07                                     | 9.68E-07                                     |
| FARM_C3            | Tank Farm C3 | Methylene Chloride                    | 75092    | 6.17E-04                                     | 6.17E-04                                     |
| FARM_C3            | Tank Farm C3 | Naphtha                               | 8030306  | 3.16E-04                                     | 3.16E-04                                     |
| FARM_C3            | Tank Farm C3 | Naphthalene                           | 91203    | 1.95E-09                                     | 1.95E-09                                     |
| FARM_C3            | Tank Farm C3 | n-Butanol                             | 71363    | 4.34E-07                                     | 4.34E-07                                     |
| FARM_C3            | Tank Farm C3 | n-Butyl Cellosolve                    | 111762   | 4.12E-09                                     | 4.12E-09                                     |
| FARM_C3            | Tank Farm C3 | Nitric Acid                           | 7697372  | 4.85E-09                                     | 4.85E-09                                     |
| FARM_C3            | Tank Farm C3 | n-Methyl-2-Pyrrolidone                | 872504   | 3.76E-05                                     | 3.76E-05                                     |
| FARM_C3            | Tank Farm C3 | n-Propyl Acetate                      | 109604   | 2.89E-06                                     | 2.89E-06                                     |
| FARM_C3            | Tank Farm C3 | Petroleum Oil Products                | 8002059  | 3.32E-07                                     | 3.32E-07                                     |
| FARM_C3            | Tank Farm C3 | Phenol                                | 108952   | 4.54E-08                                     | 4.54E-08                                     |
| FARM_C3            | Tank Farm C3 | Phenylmercuric acetate                | 62384    | 7.67E-17                                     | 7.67E-17                                     |
| FARM_C3            | Tank Farm C3 | Phosphoric Acid                       | 7664382  | 3.74E-09                                     | 3.74E-09                                     |
| FARM_C3            | Tank Farm C3 | Polydimethyl Siloxane                 | 63148629 | 4.94E-11                                     | 4.94E-11                                     |
| FARM_C3            | Tank Farm C3 | Propylene Glycol Methyl Ether Acetate | 108656   | 1.74E-06                                     | 1.74E-06                                     |
| FARM_C3            | Tank Farm C3 | Pyridine                              | 110861   | 8.93E-08                                     | 8.93E-08                                     |
| FARM_C3            | Tank Farm C3 | Stoddard Solvent                      | 8052413  | 4.55E-04                                     | 4.55E-04                                     |
| FARM_C3            | Tank Farm C3 | Styrene                               | 100425   | 7.27E-07                                     | 7.27E-07                                     |
| FARM_C3            | Tank Farm C3 | Sulfolane                             | 126330   | 3.82E-07                                     | 3.82E-07                                     |
| FARM_C3            | Tank Farm C3 | Sulfuric Acid                         | 7664939  | 6.92E-12                                     | 6.92E-12                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description  | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------|---------------------------------------|----------|--|--|
| FARM_C3            | Tank Farm C3 | Tetrachloroethylene                   | 127184   | 3.42E-05                                     | 3.42E-05                                     |
| FARM_C3            | Tank Farm C3 | Tetraethyl Orthosilicate              | 78104    | 1.43E-07                                     | 1.43E-07                                     |
| FARM_C3            | Tank Farm C3 | Tetrahydrofuran                       | 109999   | 1.38E-06                                     | 1.38E-06                                     |
| FARM_C3            | Tank Farm C3 | Toluene                               | 108883   | 1.29E-05                                     | 1.29E-05                                     |
| FARM_C3            | Tank Farm C3 | Trichloroethylene                     | 79016    | 2.63E-05                                     | 2.63E-05                                     |
| FARM_C3            | Tank Farm C3 | Triethylenetetramine                  | 112243   | 2.80E-12                                     | 2.80E-12                                     |
| FARM_C3            | Tank Farm C3 | Xylenes                               | 1330207  | 1.54E-05                                     | 1.54E-05                                     |
| FARM_D1            | Tank Farm D1 | 1,1,1-Trichloroethane                 | 71556    | 1.58E-04                                     | 1.58E-04                                     |
| FARM_D1            | Tank Farm D1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 2.21E-05                                     | 2.21E-05                                     |
| FARM_D1            | Tank Farm D1 | 1,1,2-Trichloroethane                 | 79005    | 8.35E-09                                     | 8.35E-09                                     |
| FARM_D1            | Tank Farm D1 | 1,2,4-Trimethylbenzene                | 95636    | 8.69E-10                                     | 8.69E-10                                     |
| FARM_D1            | Tank Farm D1 | 1,2-Dichlorobenzene                   | 95501    | 1.82E-09                                     | 1.82E-09                                     |
| FARM_D1            | Tank Farm D1 | 1,3,5-Trimethylbenzene                | 108678   | 2.60E-07                                     | 2.60E-07                                     |
| FARM_D1            | Tank Farm D1 | 1,4-Dioxane                           | 123911   | 3.85E-06                                     | 3.85E-06                                     |
| FARM_D1            | Tank Farm D1 | 1-Methoxy-2-Propanol                  | 107982   | 1.14E-03                                     | 1.14E-03                                     |
| FARM_D1            | Tank Farm D1 | 2-Butoxyethanol acetate               | 112072   | 1.36E-09                                     | 1.36E-09                                     |
| FARM_D1            | Tank Farm D1 | 2-Ethoxyethyl acetate                 | 111159   | 5.82E-07                                     | 5.82E-07                                     |
| FARM_D1            | Tank Farm D1 | 2-Heptanone                           | 110430   | 2.77E-07                                     | 2.77E-07                                     |
| FARM_D1            | Tank Farm D1 | 2-Methoxyethanol                      | 109864   | 7.14E-06                                     | 7.14E-06                                     |
| FARM_D1            | Tank Farm D1 | 2-Methyl-1-Propanol                   | 78831    | 3.71E-09                                     | 3.71E-09                                     |
| FARM_D1            | Tank Farm D1 | 2-Pentanone                           | 107879   | 4.66E-04                                     | 4.66E-04                                     |
| FARM_D1            | Tank Farm D1 | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 3.00E-09                                     | 3.00E-09                                     |
| FARM_D1            | Tank Farm D1 | Acetic acid                           | 64197    | 4.00E-06                                     | 4.00E-06                                     |
| FARM_D1            | Tank Farm D1 | Acetone                               | 67641    | 1.11E-02                                     | 1.11E-02                                     |
| FARM_D1            | Tank Farm D1 | Acetonitrile                          | 75058    | 1.05E-03                                     | 1.05E-03                                     |
| FARM_D1            | Tank Farm D1 | Alcohols                              | 67630    | 2.47E-03                                     | 2.47E-03                                     |
| FARM_D1            | Tank Farm D1 | Amyl Acetate                          | 628637   | 8.59E-06                                     | 8.59E-06                                     |
| FARM_D1            | Tank Farm D1 | Benzene                               | 71432    | 2.28E-04                                     | 2.28E-04                                     |
| FARM_D1            | Tank Farm D1 | Brominated Bisphenol                  | 79947    | 7.26E-17                                     | 7.26E-17                                     |
| FARM_D1            | Tank Farm D1 | Butyl Acetate                         | 123864   | 3.73E-05                                     | 3.73E-05                                     |
| FARM_D1            | Tank Farm D1 | Carbon Tetrachloride                  | 56235    | 1.24E-07                                     | 1.24E-07                                     |
| FARM_D1            | Tank Farm D1 | Chlorobenzene                         | 108907   | 9.21E-08                                     | 9.21E-08                                     |
| FARM_D1            | Tank Farm D1 | Chloroform                            | 67663    | 8.03E-05                                     | 8.03E-05                                     |
| FARM_D1            | Tank Farm D1 | Cresol                                | 1319773  | 1.92E-09                                     | 1.92E-09                                     |
| FARM_D1            | Tank Farm D1 | Cyclohexane                           | 110827   | 5.33E-05                                     | 5.33E-05                                     |
| FARM_D1            | Tank Farm D1 | Cyclohexanone                         | 108941   | 7.59E-06                                     | 7.59E-06                                     |
| FARM_D1            | Tank Farm D1 | Dibutyl Phthalate                     | 84742    | 6.36E-15                                     | 6.36E-15                                     |
| FARM_D1            | Tank Farm D1 | Diesel Fuel                           | 68476346 | 7.52E-06                                     | 7.52E-06                                     |
| FARM_D1            | Tank Farm D1 | Diethylene Glycol                     | 111466   | 7.91E-11                                     | 7.91E-11                                     |
| FARM_D1            | Tank Farm D1 | Diethylene Glycol Butyl Ether         | 112345   | 9.07E-10                                     | 9.07E-10                                     |
| FARM_D1            | Tank Farm D1 | Dimethylformamide                     | 68122    | 1.36E-05                                     | 1.36E-05                                     |
| FARM_D1            | Tank Farm D1 | Ethanol                               | 64175    | 9.52E-04                                     | 9.52E-04                                     |
| FARM_D1            | Tank Farm D1 | Ethyl Acetate                         | 141786   | 4.45E-04                                     | 4.45E-04                                     |
| FARM_D1            | Tank Farm D1 | Ethyl Benzene                         | 100414   | 8.17E-06                                     | 8.17E-06                                     |
| FARM_D1            | Tank Farm D1 | Ethyl Lactate                         | 687478   | 1.53E-04                                     | 1.53E-04                                     |
| FARM_D1            | Tank Farm D1 | Ethyl-3-Ethoxypropionate              | 763699   | 2.07E-07                                     | 2.07E-07                                     |
| FARM_D1            | Tank Farm D1 | Ethylene Glycol                       | 107211   | 3.23E-07                                     | 3.23E-07                                     |
| FARM_D1            | Tank Farm D1 | Ferric Chloride                       | 7705080  | 3.90E-07                                     | 3.90E-07                                     |
| FARM_D1            | Tank Farm D1 | Formic Acid                           | 64186    | 8.71E-09                                     | 8.71E-09                                     |
| FARM_D1            | Tank Farm D1 | Gasoline                              | 8006619  | 4.29E-03                                     | 4.29E-03                                     |
| FARM_D1            | Tank Farm D1 | Glycerin                              | 56815    | 7.45E-15                                     | 7.45E-15                                     |
| FARM_D1            | Tank Farm D1 | Heptane                               | 142825   | 4.18E-05                                     | 4.18E-05                                     |
| FARM_D1            | Tank Farm D1 | Hexamethyldisilazane                  | 999973   | 8.23E-07                                     | 8.23E-07                                     |
| FARM_D1            | Tank Farm D1 | Hexane                                | 110543   | 2.45E-04                                     | 2.45E-04                                     |
| FARM_D1            | Tank Farm D1 | Hydrochloric Acid                     | 7647010  | 7.73E-10                                     | 7.73E-10                                     |
| FARM_D1            | Tank Farm D1 | Hydrofluoric Acid                     | 7664393  | 4.67E-07                                     | 4.67E-07                                     |
| FARM_D1            | Tank Farm D1 | isobutyl acetate                      | 110190   | 2.14E-06                                     | 2.14E-06                                     |
| FARM_D1            | Tank Farm D1 | Isobutyl Isobutyrate                  | 97858    | 1.84E-09                                     | 1.84E-09                                     |
| FARM_D1            | Tank Farm D1 | Isoparaffinic Hydrocarbons            | 64771728 | 1.15E-04                                     | 1.15E-04                                     |
| FARM_D1            | Tank Farm D1 | Isopropyl Acetate                     | 108214   | 6.63E-07                                     | 6.63E-07                                     |
| FARM_D1            | Tank Farm D1 | Jet Fuel/Kerosene                     | 8008206  | 8.73E-06                                     | 8.73E-06                                     |
| FARM_D1            | Tank Farm D1 | Methanol                              | 67561    | 2.68E-03                                     | 2.68E-03                                     |
| FARM_D1            | Tank Farm D1 | Methyl Ethyl Ketone                   | 78933    | 2.27E-03                                     | 2.27E-03                                     |
| FARM_D1            | Tank Farm D1 | Methyl Isobutyl Ketone                | 108101   | 1.29E-04                                     | 1.29E-04                                     |
| FARM_D1            | Tank Farm D1 | Methylene Chloride                    | 75092    | 4.72E-03                                     | 4.72E-03                                     |
| FARM_D1            | Tank Farm D1 | Mineral Oil                           | 8012951  | 2.31E-04                                     | 2.31E-04                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description  | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------|---------------------------------------|----------|--|--|
| FARM_D1            | Tank Farm D1 | Naphtha                               | 8030306  | 2.69E-03                                     | 2.69E-03                                     |
| FARM_D1            | Tank Farm D1 | Naphthalene                           | 91203    | 9.72E-09                                     | 9.72E-09                                     |
| FARM_D1            | Tank Farm D1 | n-Butanol                             | 71363    | 3.03E-05                                     | 3.03E-05                                     |
| FARM_D1            | Tank Farm D1 | n-Butyl Cellosolve                    | 111762   | 1.06E-07                                     | 1.06E-07                                     |
| FARM_D1            | Tank Farm D1 | Nitric Acid                           | 7697372  | 8.98E-09                                     | 8.98E-09                                     |
| FARM_D1            | Tank Farm D1 | n-Methyl-2-Pyrrolidone                | 872504   | 3.51E-05                                     | 3.51E-05                                     |
| FARM_D1            | Tank Farm D1 | n-Propyl Acetate                      | 109604   | 8.01E-06                                     | 8.01E-06                                     |
| FARM_D1            | Tank Farm D1 | Petroleum Oil Products                | 8002059  | 9.64E-07                                     | 9.64E-07                                     |
| FARM_D1            | Tank Farm D1 | Phenol                                | 108952   | 1.37E-08                                     | 1.37E-08                                     |
| FARM_D1            | Tank Farm D1 | Polydimethyl Siloxane                 | 63148629 | 2.00E-08                                     | 2.00E-08                                     |
| FARM_D1            | Tank Farm D1 | Propylene Glycol Methyl Ether Acetate | 108656   | 4.19E-05                                     | 4.19E-05                                     |
| FARM_D1            | Tank Farm D1 | Propylene Oxide                       | 75569    | 2.89E-05                                     | 2.89E-05                                     |
| FARM_D1            | Tank Farm D1 | Pyridine                              | 110861   | 2.38E-06                                     | 2.38E-06                                     |
| FARM_D1            | Tank Farm D1 | Stoddard Solvent                      | 8052413  | 1.43E-03                                     | 1.43E-03                                     |
| FARM_D1            | Tank Farm D1 | Styrene                               | 100425   | 5.51E-06                                     | 5.51E-06                                     |
| FARM_D1            | Tank Farm D1 | Sulfolane                             | 126330   | 4.69E-06                                     | 4.69E-06                                     |
| FARM_D1            | Tank Farm D1 | Sulfuric Acid                         | 7664939  | 1.31E-11                                     | 1.31E-11                                     |
| FARM_D1            | Tank Farm D1 | Tetrachloroethylene                   | 127184   | 1.73E-04                                     | 1.73E-04                                     |
| FARM_D1            | Tank Farm D1 | Tetraethyl Orthosilicate              | 78104    | 2.67E-06                                     | 2.67E-06                                     |
| FARM_D1            | Tank Farm D1 | Tetrahydrofuran                       | 109999   | 2.40E-04                                     | 2.40E-04                                     |
| FARM_D1            | Tank Farm D1 | Toluene                               | 108883   | 8.93E-04                                     | 8.93E-04                                     |
| FARM_D1            | Tank Farm D1 | Trichloroethylene                     | 79016    | 1.00E-03                                     | 1.00E-03                                     |
| FARM_D1            | Tank Farm D1 | Triethylenetetramine                  | 112243   | 6.08E-10                                     | 6.08E-10                                     |
| FARM_D1            | Tank Farm D1 | Xylenes                               | 1330207  | 1.66E-04                                     | 1.66E-04                                     |
| FARM_D3            | Tank Farm D3 | 1,1,1-Trichloroethane                 | 71556    | 2.98E-08                                     | 2.98E-08                                     |
| FARM_D3            | Tank Farm D3 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 1.09E-07                                     | 1.09E-07                                     |
| FARM_D3            | Tank Farm D3 | 1-Methoxy-2-Propanol                  | 107982   | 1.12E-08                                     | 1.12E-08                                     |
| FARM_D3            | Tank Farm D3 | 2-Butoxyethanol acetate               | 112072   | 9.04E-13                                     | 9.04E-13                                     |
| FARM_D3            | Tank Farm D3 | 2-Ethoxyethyl acetate                 | 111159   | 3.14E-09                                     | 3.14E-09                                     |
| FARM_D3            | Tank Farm D3 | 2-Ethoxypropanol                      | 19089475 | 4.46E-08                                     | 4.46E-08                                     |
| FARM_D3            | Tank Farm D3 | 2-Heptanone                           | 110430   | 2.57E-10                                     | 2.57E-10                                     |
| FARM_D3            | Tank Farm D3 | 2-Pentanone                           | 107879   | 1.78E-08                                     | 1.78E-08                                     |
| FARM_D3            | Tank Farm D3 | Acetone                               | 67641    | 1.55E-06                                     | 1.55E-06                                     |
| FARM_D3            | Tank Farm D3 | Acetonitrile                          | 75058    | 3.42E-09                                     | 3.42E-09                                     |
| FARM_D3            | Tank Farm D3 | Alcohols                              | 67630    | 3.92E-07                                     | 3.92E-07                                     |
| FARM_D3            | Tank Farm D3 | Butyl Acetate                         | 123864   | 5.44E-10                                     | 5.44E-10                                     |
| FARM_D3            | Tank Farm D3 | Chloroform                            | 67663    | 2.51E-09                                     | 2.51E-09                                     |
| FARM_D3            | Tank Farm D3 | Cyclohexanone                         | 108941   | 2.83E-09                                     | 2.83E-09                                     |
| FARM_D3            | Tank Farm D3 | Dibutyl Phthalate                     | 84742    | 1.68E-18                                     | 1.68E-18                                     |
| FARM_D3            | Tank Farm D3 | Diethylene Glycol                     | 111466   | 4.03E-11                                     | 4.03E-11                                     |
| FARM_D3            | Tank Farm D3 | Diethylene Glycol Butyl Ether         | 112345   | 7.76E-12                                     | 7.76E-12                                     |
| FARM_D3            | Tank Farm D3 | Dimethylformamide                     | 68122    | 3.39E-10                                     | 3.39E-10                                     |
| FARM_D3            | Tank Farm D3 | Ethanol                               | 64175    | 8.39E-09                                     | 8.39E-09                                     |
| FARM_D3            | Tank Farm D3 | Ethyl Acetate                         | 141786   | 1.91E-08                                     | 1.91E-08                                     |
| FARM_D3            | Tank Farm D3 | Ethyl Benzene                         | 100414   | 2.32E-10                                     | 2.32E-10                                     |
| FARM_D3            | Tank Farm D3 | Ethyl Lactate                         | 687478   | 8.85E-08                                     | 8.85E-08                                     |
| FARM_D3            | Tank Farm D3 | Ethyl-3-Ethoxypropionate              | 763699   | 9.37E-10                                     | 9.37E-10                                     |
| FARM_D3            | Tank Farm D3 | Ethylene Glycol                       | 107211   | 3.86E-05                                     | 3.86E-05                                     |
| FARM_D3            | Tank Farm D3 | Heptane                               | 142825   | 1.11E-09                                     | 1.11E-09                                     |
| FARM_D3            | Tank Farm D3 | Hexamethyldisilazane                  | 999973   | 1.30E-08                                     | 1.30E-08                                     |
| FARM_D3            | Tank Farm D3 | Hexane                                | 110543   | 5.53E-09                                     | 5.53E-09                                     |
| FARM_D3            | Tank Farm D3 | Hydrofluoric Acid                     | 7664393  | 8.69E-10                                     | 8.69E-10                                     |
| FARM_D3            | Tank Farm D3 | Isoparaffinic Hydrocarbons            | 64771728 | 2.54E-11                                     | 2.54E-11                                     |
| FARM_D3            | Tank Farm D3 | Isopropanolamine                      | 78966    | 2.75E-10                                     | 2.75E-10                                     |
| FARM_D3            | Tank Farm D3 | Isopropyl Acetate                     | 108214   | 7.71E-11                                     | 7.71E-11                                     |
| FARM_D3            | Tank Farm D3 | Methanol                              | 67561    | 2.79E-08                                     | 2.79E-08                                     |
| FARM_D3            | Tank Farm D3 | Methyl Ethyl Ketone                   | 78933    | 1.87E-07                                     | 1.87E-07                                     |
| FARM_D3            | Tank Farm D3 | Methyl Isobutyl Ketone                | 108101   | 1.33E-09                                     | 1.33E-09                                     |
| FARM_D3            | Tank Farm D3 | Methylene Chloride                    | 75092    | 6.11E-07                                     | 6.11E-07                                     |
| FARM_D3            | Tank Farm D3 | Naphtha                               | 8030306  | 7.08E-07                                     | 7.08E-07                                     |
| FARM_D3            | Tank Farm D3 | n-Butanol                             | 71363    | 1.11E-09                                     | 1.11E-09                                     |
| FARM_D3            | Tank Farm D3 | n-Butyl Cellosolve                    | 111762   | 6.72E-12                                     | 6.72E-12                                     |
| FARM_D3            | Tank Farm D3 | n-Methyl-2-Pyrrolidone                | 872504   | 7.28E-08                                     | 7.28E-08                                     |
| FARM_D3            | Tank Farm D3 | n-Propyl Acetate                      | 109604   | 6.30E-09                                     | 6.30E-09                                     |
| FARM_D3            | Tank Farm D3 | Petroleum Oil Products                | 8002059  | 2.63E-11                                     | 2.63E-11                                     |
| FARM_D3            | Tank Farm D3 | Phenol                                | 108952   | 6.64E-13                                     | 6.64E-13                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description  | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------|---------------------------------------|----------|--|--|
| FARM_D3            | Tank Farm D3 | Phosphoric Acid                       | 7664382  | 1.59E-14                                     | 1.59E-14                                     |
| FARM_D3            | Tank Farm D3 | Propylene Glycol Methyl Ether Acetate | 108656   | 5.03E-09                                     | 5.03E-09                                     |
| FARM_D3            | Tank Farm D3 | Stoddard Solvent                      | 8052413  | 1.73E-02                                     | 1.73E-02                                     |
| FARM_D3            | Tank Farm D3 | Sulfolane                             | 126330   | 1.88E-11                                     | 1.88E-11                                     |
| FARM_D3            | Tank Farm D3 | Tetrachloroethylene                   | 127184   | 8.07E-08                                     | 8.07E-08                                     |
| FARM_D3            | Tank Farm D3 | Tetraethyl Orthosilicate              | 78104    | 3.04E-12                                     | 3.04E-12                                     |
| FARM_D3            | Tank Farm D3 | Tetrahydrofuran                       | 109999   | 4.90E-09                                     | 4.90E-09                                     |
| FARM_D3            | Tank Farm D3 | Toluene                               | 108883   | 2.67E-08                                     | 2.67E-08                                     |
| FARM_D3            | Tank Farm D3 | Trichloroethylene                     | 79016    | 8.80E-08                                     | 8.80E-08                                     |
| FARM_D3            | Tank Farm D3 | Triethylenetetramine                  | 112243   | 1.30E-14                                     | 1.30E-14                                     |
| FARM_D3            | Tank Farm D3 | Xylenes                               | 1330207  | 4.62E-08                                     | 4.62E-08                                     |
| FARM_F             | Tank Farm F  | 1,1,1-Trichloroethane                 | 71556    | 5.42E-06                                     | 5.42E-06                                     |
| FARM_F             | Tank Farm F  | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 3.71E-06                                     | 3.71E-06                                     |
| FARM_F             | Tank Farm F  | 1,2-Trimethylbenzene                  | 95636    | 1.96E-07                                     | 1.96E-07                                     |
| FARM_F             | Tank Farm F  | 1,2-Dichlorobenzene                   | 95501    | 1.24E-09                                     | 1.24E-09                                     |
| FARM_F             | Tank Farm F  | 1-Methoxy-2-Propanol                  | 107982   | 2.59E-06                                     | 2.59E-06                                     |
| FARM_F             | Tank Farm F  | 2-Butoxyethanol acetate               | 112072   | 3.08E-11                                     | 3.08E-11                                     |
| FARM_F             | Tank Farm F  | 2-Ethoxyethyl acetate                 | 111159   | 1.07E-07                                     | 1.07E-07                                     |
| FARM_F             | Tank Farm F  | 2-Ethoxypropanol                      | 19089475 | 1.52E-06                                     | 1.52E-06                                     |
| FARM_F             | Tank Farm F  | 2-Heptanone                           | 110430   | 4.13E-08                                     | 4.13E-08                                     |
| FARM_F             | Tank Farm F  | 2-Methoxyethanol                      | 109864   | 3.90E-08                                     | 3.90E-08                                     |
| FARM_F             | Tank Farm F  | 2-Methyl-1-Propanol                   | 78831    | 1.03E-06                                     | 1.03E-06                                     |
| FARM_F             | Tank Farm F  | 2-Pentanone                           | 107879   | 6.06E-07                                     | 6.06E-07                                     |
| FARM_F             | Tank Farm F  | 2-Pyrrolidone                         | 616455   | 2.23E-08                                     | 2.23E-08                                     |
| FARM_F             | Tank Farm F  | Acetic acid                           | 64197    | 5.19E-06                                     | 5.19E-06                                     |
| FARM_F             | Tank Farm F  | Acetone                               | 67641    | 3.59E-03                                     | 3.59E-03                                     |
| FARM_F             | Tank Farm F  | Acetonitrile                          | 75058    | 3.47E-05                                     | 3.47E-05                                     |
| FARM_F             | Tank Farm F  | Alcohols                              | 67630    | 4.73E-04                                     | 4.73E-04                                     |
| FARM_F             | Tank Farm F  | Benzene                               | 71432    | 1.79E-05                                     | 1.79E-05                                     |
| FARM_F             | Tank Farm F  | Biocide (as Acrolein)                 | 107028   | 1.14E-07                                     | 1.14E-07                                     |
| FARM_F             | Tank Farm F  | Butyl Acetate                         | 123864   | 4.04E-05                                     | 4.04E-05                                     |
| FARM_F             | Tank Farm F  | Chlorobenzene                         | 108907   | 1.50E-08                                     | 1.50E-08                                     |
| FARM_F             | Tank Farm F  | Chloroform                            | 67663    | 5.47E-06                                     | 5.47E-06                                     |
| FARM_F             | Tank Farm F  | Cresol                                | 1319773  | 4.31E-10                                     | 4.31E-10                                     |
| FARM_F             | Tank Farm F  | Cyclohexane                           | 110827   | 1.72E-04                                     | 1.72E-04                                     |
| FARM_F             | Tank Farm F  | Cyclohexanone                         | 108941   | 1.45E-06                                     | 1.45E-06                                     |
| FARM_F             | Tank Farm F  | Dibutyl Phthalate                     | 84742    | 5.71E-17                                     | 5.71E-17                                     |
| FARM_F             | Tank Farm F  | Diesel Fuel                           | 68476346 | 6.84E-06                                     | 6.84E-06                                     |
| FARM_F             | Tank Farm F  | Diethylene Glycol                     | 111466   | 6.89E-08                                     | 6.89E-08                                     |
| FARM_F             | Tank Farm F  | Diethylene Glycol Butyl Ether         | 112345   | 4.49E-09                                     | 4.49E-09                                     |
| FARM_F             | Tank Farm F  | Diethylenetriamine                    | 111400   | 1.42E-09                                     | 1.42E-09                                     |
| FARM_F             | Tank Farm F  | Dimethylformamide                     | 68122    | 1.11E-07                                     | 1.11E-07                                     |
| FARM_F             | Tank Farm F  | Ethanol                               | 64175    | 7.89E-05                                     | 7.89E-05                                     |
| FARM_F             | Tank Farm F  | Ethyl Acetate                         | 141786   | 2.80E-05                                     | 2.80E-05                                     |
| FARM_F             | Tank Farm F  | Ethyl Benzene                         | 100414   | 1.19E-06                                     | 1.19E-06                                     |
| FARM_F             | Tank Farm F  | Ethyl Lactate                         | 687478   | 4.14E-06                                     | 4.14E-06                                     |
| FARM_F             | Tank Farm F  | Ethyl-3-Ethoxypropionate              | 763699   | 3.20E-08                                     | 3.20E-08                                     |
| FARM_F             | Tank Farm F  | Ethylene Glycol                       | 107211   | 2.60E-05                                     | 2.60E-05                                     |
| FARM_F             | Tank Farm F  | Ferric Chloride                       | 7705080  | 3.93E-07                                     | 3.93E-07                                     |
| FARM_F             | Tank Farm F  | Gasoline                              | 8006619  | 5.07E-03                                     | 5.07E-03                                     |
| FARM_F             | Tank Farm F  | Glycerin                              | 56815    | 3.07E-15                                     | 3.07E-15                                     |
| FARM_F             | Tank Farm F  | Heptane                               | 142825   | 2.90E-06                                     | 2.90E-06                                     |
| FARM_F             | Tank Farm F  | Hexamethyldisilazane                  | 999973   | 4.43E-07                                     | 4.43E-07                                     |
| FARM_F             | Tank Farm F  | Hexane                                | 110543   | 4.78E-06                                     | 4.78E-06                                     |
| FARM_F             | Tank Farm F  | Hydrochloric Acid                     | 7647010  | 3.10E-09                                     | 3.10E-09                                     |
| FARM_F             | Tank Farm F  | Hydrofluoric Acid                     | 7664393  | 2.18E-06                                     | 2.18E-06                                     |
| FARM_F             | Tank Farm F  | Isoparaffinic Hydrocarbons            | 64771728 | 5.38E-06                                     | 5.38E-06                                     |
| FARM_F             | Tank Farm F  | Isopropanolamine                      | 78966    | 9.37E-09                                     | 9.37E-09                                     |
| FARM_F             | Tank Farm F  | Isopropyl Acetate                     | 108214   | 2.95E-06                                     | 2.95E-06                                     |
| FARM_F             | Tank Farm F  | Jet Fuel/Kerosene                     | 8008206  | 9.83E-06                                     | 9.83E-06                                     |
| FARM_F             | Tank Farm F  | Methanol                              | 67561    | 3.10E-04                                     | 3.10E-04                                     |
| FARM_F             | Tank Farm F  | Methyl Ethyl Ketone                   | 78933    | 6.01E-04                                     | 6.01E-04                                     |
| FARM_F             | Tank Farm F  | Methyl Isobutyl Ketone                | 108101   | 1.17E-06                                     | 1.17E-06                                     |
| FARM_F             | Tank Farm F  | Methylene Chloride                    | 75092    | 8.81E-04                                     | 8.81E-04                                     |
| FARM_F             | Tank Farm F  | Naphtha                               | 8030306  | 6.78E-04                                     | 6.78E-04                                     |
| FARM_F             | Tank Farm F  | Naphthalene                           | 91203    | 3.61E-09                                     | 3.61E-09                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                         | Chemical                              | CAS No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------------------------------|---------------------------------------|----------|--|--|
| FARM_F             | Tank Farm F                         | n-Butanol                             | 71363    | 1.14E-05                                     | 1.14E-05                                     |
| FARM_F             | Tank Farm F                         | n-Butyl Cellosolve                    | 111762   | 1.47E-06                                     | 1.47E-06                                     |
| FARM_F             | Tank Farm F                         | Nitric Acid                           | 7697372  | 8.99E-09                                     | 8.99E-09                                     |
| FARM_F             | Tank Farm F                         | n-Methyl-2-Pyrrolidone                | 872504   | 3.58E-05                                     | 3.58E-05                                     |
| FARM_F             | Tank Farm F                         | n-Propyl Acetate                      | 109604   | 2.47E-06                                     | 2.47E-06                                     |
| FARM_F             | Tank Farm F                         | Petroleum Oil Products                | 8002059  | 6.06E-07                                     | 6.06E-07                                     |
| FARM_F             | Tank Farm F                         | Phenol                                | 108952   | 8.39E-08                                     | 8.39E-08                                     |
| FARM_F             | Tank Farm F                         | Phenylmercuric acetate                | 62384    | 1.42E-16                                     | 1.42E-16                                     |
| FARM_F             | Tank Farm F                         | Phosphoric Acid                       | 7664382  | 6.92E-09                                     | 6.92E-09                                     |
| FARM_F             | Tank Farm F                         | Polydimethyl Siloxane                 | 63148629 | 9.16E-11                                     | 9.16E-11                                     |
| FARM_F             | Tank Farm F                         | Propylene Glycol Methyl Ether Acetate | 108656   | 1.38E-06                                     | 1.38E-06                                     |
| FARM_F             | Tank Farm F                         | Pyridine                              | 110861   | 1.66E-07                                     | 1.66E-07                                     |
| FARM_F             | Tank Farm F                         | Stoddard Solvent                      | 8052413  | 1.40E-02                                     | 1.40E-02                                     |
| FARM_F             | Tank Farm F                         | Styrene                               | 100425   | 1.35E-06                                     | 1.35E-06                                     |
| FARM_F             | Tank Farm F                         | Sulfolane                             | 126330   | 7.01E-07                                     | 7.01E-07                                     |
| FARM_F             | Tank Farm F                         | Sulfuric Acid                         | 7664939  | 1.28E-11                                     | 1.28E-11                                     |
| FARM_F             | Tank Farm F                         | Tetrachloroethylene                   | 127184   | 2.64E-05                                     | 2.64E-05                                     |
| FARM_F             | Tank Farm F                         | Tetraethyl Orthosilicate              | 78104    | 2.63E-07                                     | 2.63E-07                                     |
| FARM_F             | Tank Farm F                         | Tetrahydrofuran                       | 109999   | 3.95E-07                                     | 3.95E-07                                     |
| FARM_F             | Tank Farm F                         | Toluene                               | 108883   | 4.49E-04                                     | 4.49E-04                                     |
| FARM_F             | Tank Farm F                         | Trichloroethylene                     | 79016    | 9.14E-06                                     | 9.14E-06                                     |
| FARM_F             | Tank Farm F                         | Triethylenetetramine                  | 112243   | 4.42E-13                                     | 4.42E-13                                     |
| FARM_F             | Tank Farm F                         | Xylenes                               | 1330207  | 5.78E-05                                     | 5.78E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,1,1-Trichloroethane                 | 71556    | 4.88E-07                                     | 4.88E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 1.22E-07                                     | 1.22E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,1,2-Trichloroethane                 | 79005    | 2.39E-11                                     | 2.39E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,2,4-Trimethylbenzene                | 95636    | 8.78E-10                                     | 8.78E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,2-Dichlorobenzene                   | 95501    | 1.07E-11                                     | 1.07E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,3,5-Trimethylbenzene                | 108678   | 7.44E-10                                     | 7.44E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1,4-Dioxane                           | 123911   | 1.10E-08                                     | 1.10E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 1-Methoxy-2-Propanol                  | 107982   | 3.28E-06                                     | 3.28E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Butoxyethanol acetate               | 112072   | 4.37E-12                                     | 4.37E-12                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Ethoxyethyl acetate                 | 111159   | 3.35E-09                                     | 3.35E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Ethoxypropanol                      | 19089475 | 2.39E-08                                     | 2.39E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Heptanone                           | 110430   | 1.08E-09                                     | 1.08E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Methoxyethanol                      | 109864   | 2.06E-08                                     | 2.06E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Methyl-1-Propanol                   | 78831    | 4.63E-09                                     | 4.63E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Pentanone                           | 107879   | 1.35E-06                                     | 1.35E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 2-Pyrrolidone                         | 616455   | 9.96E-11                                     | 9.96E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 8.58E-12                                     | 8.58E-12                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Acetic acid                           | 64197    | 3.46E-08                                     | 3.46E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Acetone                               | 67641    | 5.62E-05                                     | 5.62E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Acetonitrile                          | 75058    | 3.15E-06                                     | 3.15E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Alcohols                              | 67630    | 1.01E-05                                     | 1.01E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Amyl Acetate                          | 628637   | 2.46E-08                                     | 2.46E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Benzene                               | 71432    | 7.32E-07                                     | 7.32E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Biocide (as Acrolein)                 | 107028   | 5.10E-10                                     | 5.10E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Brominated Bisphenol                  | 79947    | 2.08E-19                                     | 2.08E-19                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Butyl Acetate                         | 123864   | 3.81E-07                                     | 3.81E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Carbon Tetrachloride                  | 56235    | 3.55E-10                                     | 3.55E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Chlorobenzene                         | 108907   | 3.31E-10                                     | 3.31E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Chloroform                            | 67663    | 2.55E-07                                     | 2.55E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Cresol                                | 1319773  | 7.44E-12                                     | 7.44E-12                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Cyclohexane                           | 110827   | 9.21E-07                                     | 9.21E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Cyclohexanone                         | 108941   | 2.93E-08                                     | 2.93E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Dibutyl Phthalate                     | 84742    | 1.91E-17                                     | 1.91E-17                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Diesel Fuel                           | 68476346 | 5.21E-08                                     | 5.21E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Diethylene Glycol                     | 111466   | 1.35E-10                                     | 1.35E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Diethylene Glycol Butyl Ether         | 112345   | 2.56E-11                                     | 2.56E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Diethylenetriamine                    | 111400   | 6.34E-12                                     | 6.34E-12                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Dimethylformamide                     | 68122    | 3.97E-08                                     | 3.97E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Ethanol                               | 64175    | 3.08E-06                                     | 3.08E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Ethyl Acetate                         | 141786   | 1.41E-06                                     | 1.41E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Ethyl Benzene                         | 100414   | 2.88E-08                                     | 2.88E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Ethyl Lactate                         | 687478   | 4.91E-07                                     | 4.91E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Ethyl-3-Ethoxypropionate              | 763699   | 1.09E-09                                     | 1.09E-09                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                         | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------------------------------|---------------------------------------|----------|--|--|
| FUG_A              | Fugitive Emissions from Tank Farm A | Ethylene Glycol                       | 107211   | 1.26E-07                                     | 1.26E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Ferric Chloride                       | 7705080  | 2.87E-09                                     | 2.87E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Formic Acid                           | 64186    | 2.49E-11                                     | 2.49E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Gasoline                              | 8006619  | 3.49E-05                                     | 3.49E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Glycerin                              | 56815    | 3.51E-17                                     | 3.51E-17                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Heptane                               | 142825   | 1.33E-07                                     | 1.33E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Hexamethyldisilazane                  | 999973   | 9.31E-09                                     | 9.31E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Hexane                                | 110543   | 7.26E-07                                     | 7.26E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Hydrochloric Acid                     | 7647010  | 1.61E-11                                     | 1.61E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Hydrofluoric Acid                     | 7664393  | 1.14E-08                                     | 1.14E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | isobutyl acetate                      | 110190   | 6.14E-09                                     | 6.14E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Isobutyl Isobutyrate                  | 97858    | 5.26E-12                                     | 5.26E-12                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Isoparaffinic Hydrocarbons            | 64771728 | 3.53E-07                                     | 3.53E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Isopropanolamine                      | 78966    | 1.47E-10                                     | 1.47E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Isopropyl Acetate                     | 108214   | 1.51E-08                                     | 1.51E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Jet Fuel/Kerosene                     | 8008206  | 6.89E-08                                     | 6.89E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Methanol                              | 67561    | 9.70E-06                                     | 9.70E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Methyl Ethyl Ketone                   | 78933    | 1.07E-05                                     | 1.07E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Methyl Isobutyl Ketone                | 108101   | 3.75E-07                                     | 3.75E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Methylene Chloride                    | 75092    | 1.77E-05                                     | 1.77E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Mineral Oil                           | 8012951  | 6.63E-07                                     | 6.63E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Naphtha                               | 8030306  | 1.20E-05                                     | 1.20E-05                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Naphthalene                           | 91203    | 4.40E-11                                     | 4.40E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | n-Butanol                             | 71363    | 1.68E-07                                     | 1.68E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | n-Butyl Cellosolve                    | 111762   | 1.07E-08                                     | 1.07E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Nitric Acid                           | 7697372  | 6.59E-11                                     | 6.59E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | n-Methyl-2-Pyrrolidone                | 872504   | 2.41E-07                                     | 2.41E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | n-Propyl Acetate                      | 109604   | 3.64E-08                                     | 3.64E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Petroleum Oil Products                | 8002059  | 5.48E-09                                     | 5.48E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Phenol                                | 108952   | 4.14E-10                                     | 4.14E-10                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Phenylmercuric acetate                | 62384    | 6.35E-19                                     | 6.35E-19                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Phosphoric Acid                       | 7664382  | 3.09E-11                                     | 3.09E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Polydimethyl Siloxane                 | 63148629 | 5.78E-11                                     | 5.78E-11                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Propylene Glycol Methyl Ether Acetate | 108656   | 1.28E-07                                     | 1.28E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Propylene Oxide                       | 75569    | 8.27E-08                                     | 8.27E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Pyridine                              | 110861   | 7.54E-09                                     | 7.54E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Stoddard Solvent                      | 8052413  | 5.62E-06                                     | 5.62E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Styrene                               | 100425   | 2.18E-08                                     | 2.18E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Sulfolane                             | 126330   | 1.66E-08                                     | 1.66E-08                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Sulfuric Acid                         | 7664939  | 9.46E-14                                     | 9.46E-14                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Tetrachloroethylene                   | 127184   | 6.45E-07                                     | 6.45E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Tetraethyl Orthosilicate              | 78104    | 8.82E-09                                     | 8.82E-09                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Tetrahydrofuran                       | 109999   | 6.92E-07                                     | 6.92E-07                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Toluene                               | 108883   | 5.74E-06                                     | 5.74E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Trichloroethylene                     | 79016    | 2.95E-06                                     | 2.95E-06                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Triethylenetetramine                  | 112243   | 1.75E-12                                     | 1.75E-12                                     |
| FUG_A              | Fugitive Emissions from Tank Farm A | Xylenes                               | 1330207  | 8.86E-07                                     | 8.86E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,1,1-Trichloroethane                 | 71556    | 9.88E-08                                     | 9.88E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 1.10E-07                                     | 1.10E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,1,2-Trichloroethane                 | 79005    | 1.29E-12                                     | 1.29E-12                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,2,4-Trimethylbenzene                | 95636    | 2.01E-09                                     | 2.01E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,2-Dichlorobenzene                   | 95501    | 1.29E-11                                     | 1.29E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,3,5-Trimethylbenzene                | 108678   | 4.03E-11                                     | 4.03E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1,4-Dioxane                           | 123911   | 5.97E-10                                     | 5.97E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 1-Methoxy-2-Propanol                  | 107982   | 2.10E-07                                     | 2.10E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Butoxyethanol acetate               | 112072   | 1.09E-12                                     | 1.09E-12                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Ethoxyethyl acetate                 | 111159   | 3.16E-09                                     | 3.16E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Ethoxypropanol                      | 19089475 | 4.36E-08                                     | 4.36E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Heptanone                           | 110430   | 6.28E-10                                     | 6.28E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Methoxyethanol                      | 109864   | 1.51E-09                                     | 1.51E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Methyl-1-Propanol                   | 78831    | 1.06E-08                                     | 1.06E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Pentanol                            | 107879   | 8.96E-08                                     | 8.96E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 2-Pyrrolidone                         | 616455   | 2.29E-10                                     | 2.29E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 4.64E-13                                     | 4.64E-13                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Acetic acid                           | 64197    | 5.38E-08                                     | 5.38E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Acetone                               | 67641    | 3.40E-05                                     | 3.40E-05                                     |



**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                         | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------------------------------|---------------------------------------|----------|--|--|
| FUG_B              | Fugitive Emissions from Tank Farm B | Acetonitrile                          | 75058    | 5.20E-07                                     | 5.20E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Alcohols                              | 67630    | 4.95E-06                                     | 4.95E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Amyl Acetate                          | 628637   | 1.33E-09                                     | 1.33E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Benzene                               | 71432    | 2.19E-07                                     | 2.19E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Biocide (as Acrolein)                 | 107028   | 1.17E-09                                     | 1.17E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Brominated Bisphenol                  | 79947    | 1.12E-20                                     | 1.12E-20                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Butyl Acetate                         | 123864   | 3.53E-07                                     | 3.53E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Carbon Tetrachloride                  | 56235    | 1.92E-11                                     | 1.92E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Chlorobenzene                         | 108907   | 1.68E-10                                     | 1.68E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Chloroform                            | 67663    | 7.01E-08                                     | 7.01E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Cresol                                | 1319773  | 4.71E-12                                     | 4.71E-12                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Cyclohexane                           | 110827   | 1.77E-06                                     | 1.77E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Cyclohexanone                         | 108941   | 1.78E-08                                     | 1.78E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Dibutyl Phthalate                     | 84742    | 2.63E-18                                     | 2.63E-18                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Diesel Fuel                           | 68476346 | 7.13E-08                                     | 7.13E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Diethylene Glycol                     | 111466   | 1.11E-10                                     | 1.11E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Diethylene Glycol Butyl Ether         | 112345   | 5.10E-11                                     | 5.10E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Diethylenetriamine                    | 111400   | 1.46E-11                                     | 1.46E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Dimethylformamide                     | 68122    | 3.46E-09                                     | 3.46E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ethanol                               | 64175    | 9.61E-07                                     | 9.61E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ethyl Acetate                         | 141786   | 3.67E-07                                     | 3.67E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ethyl Benzene                         | 100414   | 1.36E-08                                     | 1.36E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ethyl Lactate                         | 687478   | 1.22E-07                                     | 1.22E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ethyl-3-Ethoxypropionate              | 763699   | 9.49E-10                                     | 9.49E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ethylene Glycol                       | 107211   | 2.98E-08                                     | 2.98E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Ferric Chloride                       | 7705080  | 4.09E-09                                     | 4.09E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Formic Acid                           | 64186    | 1.35E-12                                     | 1.35E-12                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Gasoline                              | 8006619  | 5.26E-05                                     | 5.26E-05                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Glycerin                              | 56815    | 3.26E-17                                     | 3.26E-17                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Heptane                               | 142825   | 3.69E-08                                     | 3.69E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Hexamethyldisilazane                  | 999973   | 1.28E-08                                     | 1.28E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Hexane                                | 110543   | 9.05E-08                                     | 9.05E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Hydrochloric Acid                     | 7647010  | 3.19E-11                                     | 3.19E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Hydrofluoric Acid                     | 7664393  | 2.29E-08                                     | 2.29E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | isobutyl acetate                      | 110190   | 3.32E-10                                     | 3.32E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Isobutyl Isobutyrate                  | 97858    | 2.84E-13                                     | 2.84E-13                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Isoparaffinic Hydrocarbons            | 64771728 | 7.29E-08                                     | 7.29E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Isopropanolamine                      | 78966    | 2.69E-10                                     | 2.69E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Isopropyl Acetate                     | 108214   | 3.04E-08                                     | 3.04E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Jet Fuel/Kerosene                     | 8008206  | 1.02E-07                                     | 1.02E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Methanol                              | 67561    | 3.18E-06                                     | 3.18E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Methyl Ethyl Ketone                   | 78933    | 5.57E-06                                     | 5.57E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Methyl Isobutyl Ketone                | 108101   | 3.28E-08                                     | 3.28E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Methylene Chloride                    | 75092    | 1.01E-05                                     | 1.01E-05                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Mineral Oil                           | 8012951  | 3.59E-08                                     | 3.59E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Naphtha                               | 8030306  | 7.06E-06                                     | 7.06E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Naphthalene                           | 91203    | 3.85E-11                                     | 3.85E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | n-Butanol                             | 71363    | 1.01E-07                                     | 1.01E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | n-Butyl Cellosolve                    | 111762   | 1.23E-08                                     | 1.23E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Nitric Acid                           | 7697372  | 9.35E-11                                     | 9.35E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | n-Methyl-2-Pyrrolidone                | 872504   | 2.63E-07                                     | 2.63E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | n-Propyl Acetate                      | 109604   | 3.05E-08                                     | 3.05E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Petroleum Oil Products                | 8002059  | 6.38E-09                                     | 6.38E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Phenol                                | 108952   | 8.62E-10                                     | 8.62E-10                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Phenylmercuric acetate                | 62384    | 1.46E-18                                     | 1.46E-18                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Phosphoric Acid                       | 7664382  | 7.09E-11                                     | 7.09E-11                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Polydimethyl Siloxane                 | 63148629 | 4.04E-12                                     | 4.04E-12                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Propylene Glycol Methyl Ether Acetate | 108656   | 2.38E-08                                     | 2.38E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Propylene Oxide                       | 75569    | 4.47E-09                                     | 4.47E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Pyridine                              | 110861   | 2.06E-09                                     | 2.06E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Stoddard Solvent                      | 8052413  | 6.24E-06                                     | 6.24E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Styrene                               | 100425   | 1.47E-08                                     | 1.47E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Sulfolane                             | 126330   | 7.92E-09                                     | 7.92E-09                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Sulfuric Acid                         | 7664939  | 1.33E-13                                     | 1.33E-13                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Tetrachloroethylene                   | 127184   | 3.48E-07                                     | 3.48E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B | Tetraethyl Orthosilicate              | 78104    | 3.11E-09                                     | 3.11E-09                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                          | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------------------------|---------------------------------------|----------|--|--|
| FUG_B              | Fugitive Emissions from Tank Farm B  | Tetrahydrofuran                       | 109999   | 4.44E-08                                     | 4.44E-08                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B  | Toluene                               | 108883   | 3.93E-06                                     | 3.93E-06                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B  | Trichloroethylene                     | 79016    | 3.04E-07                                     | 3.04E-07                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B  | Triethylenetetramine                  | 112243   | 1.07E-13                                     | 1.07E-13                                     |
| FUG_B              | Fugitive Emissions from Tank Farm B  | Xylenes                               | 1330207  | 5.51E-07                                     | 5.51E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 1,1,1-Trichloroethane                 | 71556    | 1.90E-07                                     | 1.90E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 1,2,4-Trimethylbenzene                | 95636    | 8.47E-09                                     | 8.47E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 1,2-Dichlorobenzene                   | 95501    | 5.33E-11                                     | 5.33E-11                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 1-Methoxy-2-Propanol                  | 107982   | 9.50E-08                                     | 9.50E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 2-Heptanone                           | 110430   | 1.41E-09                                     | 1.41E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 2-Methoxyethanol                      | 109864   | 1.68E-09                                     | 1.68E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 2-Methyl-1-Propanol                   | 78831    | 4.46E-08                                     | 4.46E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | 2-Pyrrolidone                         | 616455   | 9.63E-10                                     | 9.63E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Acetic acid                           | 64197    | 2.24E-07                                     | 2.24E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Acetone                               | 67641    | 2.85E-05                                     | 2.85E-05                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Acetonitrile                          | 75058    | 1.49E-06                                     | 1.49E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Alcohols                              | 67630    | 7.95E-06                                     | 7.95E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Benzene                               | 71432    | 7.72E-07                                     | 7.72E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Biocide (as Acrolein)                 | 107028   | 4.93E-09                                     | 4.93E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Butyl Acetate                         | 123864   | 2.24E-07                                     | 2.24E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Chlorobenzene                         | 108907   | 6.47E-10                                     | 6.47E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Chloroform                            | 67663    | 2.32E-07                                     | 2.32E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Cresol                                | 1319773  | 1.86E-11                                     | 1.86E-11                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Cyclohexane                           | 110827   | 7.43E-06                                     | 7.43E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Cyclohexanone                         | 108941   | 5.84E-08                                     | 5.84E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Diesel Fuel                           | 68476346 | 2.95E-07                                     | 2.95E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Diethylene Glycol                     | 111466   | 3.80E-10                                     | 3.80E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Diethylene Glycol Butyl Ether         | 112345   | 1.82E-10                                     | 1.82E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Diethylenetriamine                    | 111400   | 6.13E-11                                     | 6.13E-11                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Dimethylformamide                     | 68122    | 4.27E-09                                     | 4.27E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Ethanol                               | 64175    | 3.39E-06                                     | 3.39E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Ethyl Acetate                         | 141786   | 1.18E-06                                     | 1.18E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Ethyl Benzene                         | 100414   | 5.09E-08                                     | 5.09E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Ethyl Lactate                         | 687478   | 4.84E-08                                     | 4.84E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Ethylene Glycol                       | 107211   | 6.85E-07                                     | 6.85E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Ferric Chloride                       | 7705080  | 1.70E-08                                     | 1.70E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Gasoline                              | 8006619  | 2.19E-04                                     | 2.19E-04                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Glycerin                              | 56815    | 1.33E-16                                     | 1.33E-16                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Heptane                               | 142825   | 1.23E-07                                     | 1.23E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Hexane                                | 110543   | 1.98E-07                                     | 1.98E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Hydrochloric Acid                     | 7647010  | 1.34E-10                                     | 1.34E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Hydrofluoric Acid                     | 7664393  | 9.28E-08                                     | 9.28E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Isoparaffinic Hydrocarbons            | 64771728 | 2.32E-07                                     | 2.32E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Isopropyl Acetate                     | 108214   | 1.27E-07                                     | 1.27E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Jet Fuel/Kerosene                     | 8008206  | 4.24E-07                                     | 4.24E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Methanol                              | 67561    | 3.40E-06                                     | 3.40E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Methyl Ethyl Ketone                   | 78933    | 1.64E-06                                     | 1.64E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Methyl Isobutyl Ketone                | 108101   | 4.87E-08                                     | 4.87E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Methylene Chloride                    | 75092    | 3.71E-05                                     | 3.71E-05                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Naphtha                               | 8030306  | 1.12E-05                                     | 1.12E-05                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Naphthalene                           | 91203    | 1.56E-10                                     | 1.56E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | n-Butanol                             | 71363    | 9.09E-09                                     | 9.09E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | n-Butyl Cellosolve                    | 111762   | 1.71E-10                                     | 1.71E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Nitric Acid                           | 7697372  | 3.88E-10                                     | 3.88E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | n-Methyl-2-Pyrrolidone                | 872504   | 8.03E-07                                     | 8.03E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | n-Propyl Acetate                      | 109604   | 9.72E-08                                     | 9.72E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Petroleum Oil Products                | 8002059  | 2.61E-08                                     | 2.61E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Phenol                                | 108952   | 3.62E-09                                     | 3.62E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Phenylmercuric acetate                | 62384    | 6.13E-18                                     | 6.13E-18                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Phosphoric Acid                       | 7664382  | 2.99E-10                                     | 2.99E-10                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Polydimethyl Siloxane                 | 63148629 | 3.95E-12                                     | 3.95E-12                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Propylene Glycol Methyl Ether Acetate | 108656   | 5.23E-08                                     | 5.23E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Pyridine                              | 110861   | 7.14E-09                                     | 7.14E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Stoddard Solvent                      | 8052413  | 2.25E-04                                     | 2.25E-04                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Styrene                               | 100425   | 5.81E-08                                     | 5.81E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Sulfolane                             | 126330   | 3.02E-08                                     | 3.02E-08                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                          | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------------------------|---------------------------------------|----------|--|--|
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Sulfuric Acid                         | 7664939  | 5.53E-13                                     | 5.53E-13                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Tetrachloroethylene                   | 127184   | 1.02E-06                                     | 1.02E-06                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Tetraethyl Orthosilicate              | 78104    | 1.14E-08                                     | 1.14E-08                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Tetrahydrofuran                       | 109999   | 9.83E-09                                     | 9.83E-09                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Toluene                               | 108883   | 4.66E-07                                     | 4.66E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Trichloroethylene                     | 79016    | 2.65E-07                                     | 2.65E-07                                     |
| FUG_C1             | Fugitive Emissions from Tank Farm C1 | Xylenes                               | 1330207  | 2.35E-07                                     | 2.35E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 1,1,1-Trichloroethane                 | 71556    | 7.48E-07                                     | 7.48E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 1.75E-06                                     | 1.75E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 1,2,4-Trimethylbenzene                | 95636    | 7.88E-09                                     | 7.88E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 1,2-Dichlorobenzene                   | 95501    | 4.96E-11                                     | 4.96E-11                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 1-Methoxy-2-Propanol                  | 107982   | 3.06E-07                                     | 3.06E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Butoxyethanol acetate               | 112072   | 1.46E-11                                     | 1.46E-11                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Ethoxyethyl acetate                 | 111159   | 5.06E-08                                     | 5.06E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Ethoxypropanol                      | 19089475 | 7.18E-07                                     | 7.18E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Heptanone                           | 110430   | 6.71E-09                                     | 6.71E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Methoxyethanol                      | 109864   | 1.56E-09                                     | 1.56E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Methyl-1-Propanol                   | 78831    | 4.15E-08                                     | 4.15E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Pentanone                           | 107879   | 3.50E-07                                     | 3.50E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | 2-Pyrrolidone                         | 616455   | 8.96E-10                                     | 8.96E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Acetic acid                           | 64197    | 2.08E-07                                     | 2.08E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Acetone                               | 67641    | 5.59E-05                                     | 5.59E-05                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Acetonitrile                          | 75058    | 1.45E-06                                     | 1.45E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Alcohols                              | 67630    | 1.54E-05                                     | 1.54E-05                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Benzene                               | 71432    | 7.19E-07                                     | 7.19E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Biocide (as Acrolein)                 | 107028   | 4.59E-09                                     | 4.59E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Butyl Acetate                         | 123864   | 2.20E-07                                     | 2.20E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Chlorobenzene                         | 108907   | 6.02E-10                                     | 6.02E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Chloroform                            | 67663    | 2.64E-07                                     | 2.64E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Cresol                                | 1319773  | 1.73E-11                                     | 1.73E-11                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Cyclohexane                           | 110827   | 6.91E-06                                     | 6.91E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Cyclohexanone                         | 108941   | 1.11E-07                                     | 1.11E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Dibutyl Phthalate                     | 84742    | 5.82E-17                                     | 5.82E-17                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Diesel Fuel                           | 68476346 | 2.75E-07                                     | 2.75E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Diethylene Glycol                     | 111466   | 5.96E-09                                     | 5.96E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Diethylene Glycol Butyl Ether         | 112345   | 3.68E-10                                     | 3.68E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Diethylenetriamine                    | 111400   | 5.71E-11                                     | 5.71E-11                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Dimethylformamide                     | 68122    | 1.10E-08                                     | 1.10E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ethanol                               | 64175    | 3.32E-06                                     | 3.32E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ethyl Acetate                         | 141786   | 1.47E-06                                     | 1.47E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ethyl Benzene                         | 100414   | 5.21E-08                                     | 5.21E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ethyl Lactate                         | 687478   | 1.47E-06                                     | 1.47E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ethyl-3-Ethoxypropionate              | 763699   | 1.51E-08                                     | 1.51E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ethylene Glycol                       | 107211   | 9.48E-07                                     | 9.48E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Ferric Chloride                       | 7705080  | 1.58E-08                                     | 1.58E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Gasoline                              | 8006619  | 2.03E-04                                     | 2.03E-04                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Glycerin                              | 56815    | 1.23E-16                                     | 1.23E-16                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Heptane                               | 142825   | 1.36E-07                                     | 1.36E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Hexamethyldisilazane                  | 999973   | 2.09E-07                                     | 2.09E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Hexane                                | 110543   | 2.90E-07                                     | 2.90E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Hydrochloric Acid                     | 7647010  | 1.25E-10                                     | 1.25E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Hydrofluoric Acid                     | 7664393  | 1.00E-07                                     | 1.00E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Isoparaffinic Hydrocarbons            | 64771728 | 2.17E-07                                     | 2.17E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Isopropanolamine                      | 78966    | 4.43E-09                                     | 4.43E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Isopropyl Acetate                     | 108214   | 1.20E-07                                     | 1.20E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Jet Fuel/Kerosene                     | 8008206  | 3.95E-07                                     | 3.95E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Methanol                              | 67561    | 3.71E-06                                     | 3.71E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Methyl Ethyl Ketone                   | 78933    | 5.14E-06                                     | 5.14E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Methyl Isobutyl Ketone                | 108101   | 7.20E-08                                     | 7.20E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Methylene Chloride                    | 75092    | 4.60E-05                                     | 4.60E-05                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Naphtha                               | 8030306  | 2.36E-05                                     | 2.36E-05                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Naphthalene                           | 91203    | 1.45E-10                                     | 1.45E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | n-Butanol                             | 71363    | 3.23E-08                                     | 3.23E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | n-Butyl Cellosolve                    | 111762   | 3.07E-10                                     | 3.07E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Nitric Acid                           | 7697372  | 3.61E-10                                     | 3.61E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | n-Methyl-2-Pyrrolidone                | 872504   | 2.80E-06                                     | 2.80E-06                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                          | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------------------------|---------------------------------------|----------|--|--|
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | n-Propyl Acetate                      | 109604   | 2.15E-07                                     | 2.15E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Petroleum Oil Products                | 8002059  | 2.47E-08                                     | 2.47E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Phenol                                | 108952   | 3.38E-09                                     | 3.38E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Phenylmercuric acetate                | 62384    | 5.71E-18                                     | 5.71E-18                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Phosphoric Acid                       | 7664382  | 2.78E-10                                     | 2.78E-10                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Polydimethyl Siloxane                 | 63148629 | 3.68E-12                                     | 3.68E-12                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Propylene Glycol Methyl Ether Acetate | 108656   | 1.30E-07                                     | 1.30E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Pyridine                              | 110861   | 6.65E-09                                     | 6.65E-09                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Stoddard Solvent                      | 8052413  | 3.39E-05                                     | 3.39E-05                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Styrene                               | 100425   | 5.41E-08                                     | 5.41E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Sulfolane                             | 126330   | 2.84E-08                                     | 2.84E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Sulfuric Acid                         | 7664939  | 5.15E-13                                     | 5.15E-13                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Tetrachloroethylene                   | 127184   | 2.55E-06                                     | 2.55E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Tetraethyl Orthosilicate              | 78104    | 1.06E-08                                     | 1.06E-08                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Tetrahydrofuran                       | 109999   | 1.02E-07                                     | 1.02E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Toluene                               | 108883   | 9.59E-07                                     | 9.59E-07                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Trichloroethylene                     | 79016    | 1.96E-06                                     | 1.96E-06                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Triethylenetetramine                  | 112243   | 2.09E-13                                     | 2.09E-13                                     |
| FUG_C3             | Fugitive Emissions from Tank Farm C3 | Xylenes                               | 1330207  | 1.15E-06                                     | 1.15E-06                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,1,1-Trichloroethane                 | 71556    | 3.26E-08                                     | 3.26E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 4.57E-09                                     | 4.57E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,1,2-Trichloroethane                 | 79005    | 1.72E-12                                     | 1.72E-12                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,2,4-Trimethylbenzene                | 95636    | 1.79E-13                                     | 1.79E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,2-Dichlorobenzene                   | 95501    | 3.76E-13                                     | 3.76E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,3,5-Trimethylbenzene                | 108678   | 5.36E-11                                     | 5.36E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1,4-Dioxane                           | 123911   | 7.95E-10                                     | 7.95E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 1-Methoxy-2-Propanol                  | 107982   | 2.35E-07                                     | 2.35E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 2-Butoxyethanol acetate               | 112072   | 2.80E-13                                     | 2.80E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 2-Ethoxyethyl acetate                 | 111159   | 1.20E-10                                     | 1.20E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 2-Heptanone                           | 110430   | 5.72E-11                                     | 5.72E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 2-Methoxyethanol                      | 109864   | 1.47E-09                                     | 1.47E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 2-Methyl-1-Propanol                   | 78831    | 7.65E-13                                     | 7.65E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 2-Pentanone                           | 107879   | 9.63E-08                                     | 9.63E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 6.18E-13                                     | 6.18E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Acetic acid                           | 64197    | 8.27E-10                                     | 8.27E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Acetone                               | 67641    | 2.30E-06                                     | 2.30E-06                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Acetonitrile                          | 75058    | 2.16E-07                                     | 2.16E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Alcohols                              | 67630    | 5.10E-07                                     | 5.10E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Amyl Acetate                          | 628637   | 1.77E-09                                     | 1.77E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Benzene                               | 71432    | 4.70E-08                                     | 4.70E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Brominated Bisphenol                  | 79947    | 1.50E-20                                     | 1.50E-20                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Butyl Acetate                         | 123864   | 7.69E-09                                     | 7.69E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Carbon Tetrachloride                  | 56235    | 2.56E-11                                     | 2.56E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Chlorobenzene                         | 108907   | 1.90E-11                                     | 1.90E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Chloroform                            | 67663    | 1.66E-08                                     | 1.66E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Cresol                                | 1319773  | 3.97E-13                                     | 3.97E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Cyclohexane                           | 110827   | 1.10E-08                                     | 1.10E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Cyclohexanone                         | 108941   | 1.57E-09                                     | 1.57E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Dibutyl Phthalate                     | 84742    | 1.31E-18                                     | 1.31E-18                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Diesel Fuel                           | 68476346 | 1.55E-09                                     | 1.55E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Diethylene Glycol                     | 111466   | 1.63E-14                                     | 1.63E-14                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Diethylene Glycol Butyl Ether         | 112345   | 1.87E-13                                     | 1.87E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Dimethylformamide                     | 68122    | 2.81E-09                                     | 2.81E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ethanol                               | 64175    | 1.96E-07                                     | 1.96E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ethyl Acetate                         | 141786   | 9.18E-08                                     | 9.18E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ethyl Benzene                         | 100414   | 1.69E-09                                     | 1.69E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ethyl Lactate                         | 687478   | 3.16E-08                                     | 3.16E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ethyl-3-Ethoxypropionate              | 763699   | 4.27E-11                                     | 4.27E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ethylene Glycol                       | 107211   | 6.67E-11                                     | 6.67E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Ferric Chloride                       | 7705080  | 8.05E-11                                     | 8.05E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Formic Acid                           | 64186    | 1.80E-12                                     | 1.80E-12                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Gasoline                              | 8006619  | 8.86E-07                                     | 8.86E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Glycerin                              | 56815    | 1.54E-18                                     | 1.54E-18                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Heptane                               | 142825   | 8.63E-09                                     | 8.63E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Hexamethyldisilazane                  | 999973   | 1.70E-10                                     | 1.70E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Hexane                                | 110543   | 5.06E-08                                     | 5.06E-08                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                          | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------------------------|---------------------------------------|----------|--|--|
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Hydrochloric Acid                     | 7647010  | 1.59E-13                                     | 1.59E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Hydrofluoric Acid                     | 7664393  | 9.65E-11                                     | 9.65E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | isobutyl acetate                      | 110190   | 4.42E-10                                     | 4.42E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Isobutyl Isobutyrate                  | 97858    | 3.79E-13                                     | 3.79E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Isoparaffinic Hydrocarbons            | 64771728 | 2.37E-08                                     | 2.37E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Isopropyl Acetate                     | 108214   | 1.37E-10                                     | 1.37E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Jet Fuel/Kerosene                     | 8008206  | 1.80E-09                                     | 1.80E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Methanol                              | 67561    | 5.54E-07                                     | 5.54E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Methyl Ethyl Ketone                   | 78933    | 4.68E-07                                     | 4.68E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Methyl Isobutyl Ketone                | 108101   | 2.66E-08                                     | 2.66E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Methylene Chloride                    | 75092    | 9.74E-07                                     | 9.74E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Mineral Oil                           | 8012951  | 4.78E-08                                     | 4.78E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Naphtha                               | 8030306  | 5.55E-07                                     | 5.55E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Naphthalene                           | 91203    | 2.01E-12                                     | 2.01E-12                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | n-Butanol                             | 71363    | 6.26E-09                                     | 6.26E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | n-Butyl Cellosolve                    | 111762   | 2.18E-11                                     | 2.18E-11                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Nitric Acid                           | 7697372  | 1.85E-12                                     | 1.85E-12                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | n-Methyl-2-Pyrrolidone                | 872504   | 7.25E-09                                     | 7.25E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | n-Propyl Acetate                      | 109604   | 1.65E-09                                     | 1.65E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Petroleum Oil Products                | 8002059  | 1.99E-10                                     | 1.99E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Phenol                                | 108952   | 2.84E-12                                     | 2.84E-12                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Polydimethyl Siloxane                 | 63148629 | 4.13E-12                                     | 4.13E-12                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Propylene Glycol Methyl Ether Acetate | 108656   | 8.65E-09                                     | 8.65E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Propylene Oxide                       | 75569    | 5.96E-09                                     | 5.96E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Pyridine                              | 110861   | 4.91E-10                                     | 4.91E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Stoddard Solvent                      | 8052413  | 2.95E-07                                     | 2.95E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Styrene                               | 100425   | 1.14E-09                                     | 1.14E-09                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Sulfolane                             | 126330   | 9.68E-10                                     | 9.68E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Sulfuric Acid                         | 7664939  | 2.69E-15                                     | 2.69E-15                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Tetrachloroethylene                   | 127184   | 3.58E-08                                     | 3.58E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Tetraethyl Orthosilicate              | 78104    | 5.51E-10                                     | 5.51E-10                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Tetrahydrofuran                       | 109999   | 4.96E-08                                     | 4.96E-08                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Toluene                               | 108883   | 1.84E-07                                     | 1.84E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Trichloroethylene                     | 79016    | 2.07E-07                                     | 2.07E-07                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Triethylenetetramine                  | 112243   | 1.26E-13                                     | 1.26E-13                                     |
| FUG_D1             | Fugitive Emissions from Tank Farm D1 | Xylenes                               | 1330207  | 3.42E-08                                     | 3.42E-08                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 1,1,1-Trichloroethane                 | 71556    | 1.47E-09                                     | 1.47E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 5.38E-09                                     | 5.38E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 1-Methoxy-2-Propanol                  | 107982   | 5.55E-10                                     | 5.55E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 2-Butoxyethanol acetate               | 112072   | 4.47E-14                                     | 4.47E-14                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 2-Ethoxyethyl acetate                 | 111159   | 1.55E-10                                     | 1.55E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 2-Ethoxypropanol                      | 19089475 | 2.20E-09                                     | 2.20E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 2-Heptanone                           | 110430   | 1.27E-11                                     | 1.27E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | 2-Pentanone                           | 107879   | 8.79E-10                                     | 8.79E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Acetone                               | 67641    | 7.65E-08                                     | 7.65E-08                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Acetonitrile                          | 75058    | 1.69E-10                                     | 1.69E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Alcohols                              | 67630    | 1.93E-08                                     | 1.93E-08                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Butyl Acetate                         | 123864   | 2.69E-11                                     | 2.69E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Chloroform                            | 67663    | 1.24E-10                                     | 1.24E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Cyclohexanone                         | 108941   | 1.40E-10                                     | 1.40E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Dibutyl Phthalate                     | 84742    | 8.28E-20                                     | 8.28E-20                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Diethylene Glycol                     | 111466   | 1.99E-12                                     | 1.99E-12                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Diethylene Glycol Butyl Ether         | 112345   | 3.83E-13                                     | 3.83E-13                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Dimethylformamide                     | 68122    | 1.68E-11                                     | 1.68E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Ethanol                               | 64175    | 4.14E-10                                     | 4.14E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Ethyl Acetate                         | 141786   | 9.41E-10                                     | 9.41E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Ethyl Benzene                         | 100414   | 1.14E-11                                     | 1.14E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Ethyl Lactate                         | 687478   | 4.37E-09                                     | 4.37E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Ethyl-3-Ethoxypropionate              | 763699   | 4.63E-11                                     | 4.63E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Ethylene Glycol                       | 107211   | 1.91E-06                                     | 1.91E-06                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Heptane                               | 142825   | 5.47E-11                                     | 5.47E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Hexamethyldisilazane                  | 999973   | 6.41E-10                                     | 6.41E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Hexane                                | 110543   | 2.73E-10                                     | 2.73E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Hydrofluoric Acid                     | 7664393  | 4.29E-11                                     | 4.29E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Isoparaffinic Hydrocarbons            | 64771728 | 1.25E-12                                     | 1.25E-12                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3 | Isopropanolamine                      | 78966    | 1.36E-11                                     | 1.36E-11                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                                    | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--|---------------------------------------|----------|--|--|
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Isopropyl Acetate                     | 108214   | 3.81E-12                                     | 3.81E-12                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Methanol                              | 67561    | 1.38E-09                                     | 1.38E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Methyl Ethyl Ketone                   | 78933    | 9.24E-09                                     | 9.24E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Methyl Isobutyl Ketone                | 108101   | 6.59E-11                                     | 6.59E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Methylene Chloride                    | 75092    | 3.02E-08                                     | 3.02E-08                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Naphtha                               | 8030306  | 3.50E-08                                     | 3.50E-08                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | n-Butanol                             | 71363    | 5.47E-11                                     | 5.47E-11                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | n-Butyl Cellosolve                    | 111762   | 3.28E-13                                     | 3.32E-13                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | n-Methyl-2-Pyrrolidone                | 872504   | 3.60E-09                                     | 3.60E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | n-Propyl Acetate                      | 109604   | 3.11E-10                                     | 3.11E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Petroleum Oil Products                | 8002059  | 1.30E-12                                     | 1.30E-12                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Phenol                                | 108952   | 3.28E-14                                     | 3.28E-14                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Phosphoric Acid                       | 7664382  | 7.83E-16                                     | 7.83E-16                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Propylene Glycol Methyl Ether Acetate | 108656   | 2.48E-10                                     | 2.48E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Stoddard Solvent                      | 8052413  | 8.57E-04                                     | 8.57E-04                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Sulfolane                             | 126330   | 9.29E-13                                     | 9.29E-13                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Tetrachloroethylene                   | 127184   | 3.99E-09                                     | 3.99E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Tetraethyl Orthosilicate              | 78104    | 1.50E-13                                     | 1.50E-13                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Tetrahydrofuran                       | 109999   | 2.42E-10                                     | 2.42E-10                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Toluene                               | 108883   | 1.32E-09                                     | 1.32E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Trichloroethylene                     | 79016    | 4.35E-09                                     | 4.35E-09                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Triethylenetetramine                  | 112243   | 6.41E-16                                     | 6.41E-16                                     |
| FUG_D3             | Fugitive Emissions from Tank Farm D3           | Xylenes                               | 1330207  | 2.28E-09                                     | 2.28E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 1,1,1-Trichloroethane                 | 71556    | 7.67E-07                                     | 7.67E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 2.70E-06                                     | 2.70E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 1-Methoxy-2-Propanol                  | 107982   | 2.90E-07                                     | 2.90E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 2-Butoxyethanol acetate               | 112072   | 2.24E-11                                     | 2.24E-11                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 2-Ethoxyethyl acetate                 | 111159   | 7.78E-08                                     | 7.78E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 2-Ethoxypropanol                      | 19089475 | 1.10E-06                                     | 1.10E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 2-Heptanone                           | 110430   | 6.75E-09                                     | 6.75E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | 2-Pentanone                           | 107879   | 4.61E-07                                     | 4.61E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Acetone                               | 67641    | 3.98E-05                                     | 3.98E-05                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Acetonitrile                          | 75058    | 8.80E-08                                     | 8.80E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Alcohols                              | 67630    | 1.02E-05                                     | 1.02E-05                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Butyl Acetate                         | 123864   | 1.42E-08                                     | 1.42E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Chloroform                            | 67663    | 6.46E-08                                     | 6.46E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Cyclohexanone                         | 108941   | 7.34E-08                                     | 7.34E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Dibutyl Phthalate                     | 84742    | 4.87E-17                                     | 4.87E-17                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Diethylene Glycol                     | 111466   | 4.82E-09                                     | 4.82E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Diethylene Glycol Butyl Ether         | 112345   | 2.12E-10                                     | 2.12E-10                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Dimethylformamide                     | 68122    | 8.89E-09                                     | 8.89E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Ethanol                               | 64175    | 2.18E-07                                     | 2.18E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Ethyl Acetate                         | 141786   | 4.92E-07                                     | 4.92E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Ethyl Benzene                         | 100414   | 6.03E-09                                     | 6.03E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Ethyl Lactate                         | 687478   | 2.19E-06                                     | 2.19E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Ethyl-3-Ethoxypropionate              | 763699   | 2.32E-08                                     | 2.32E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Ethylene Glycol                       | 107211   | 1.94E-09                                     | 1.94E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Heptane                               | 142825   | 2.86E-08                                     | 2.86E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Hexamethyldisilazane                  | 999973   | 3.22E-07                                     | 3.22E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Hexane                                | 110543   | 1.42E-07                                     | 1.42E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Hydrofluoric Acid                     | 7664393  | 2.15E-08                                     | 2.15E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Isoparaffinic Hydrocarbons            | 64771728 | 6.51E-10                                     | 6.51E-10                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Isopropanolamine                      | 78966    | 6.81E-09                                     | 6.81E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Isopropyl Acetate                     | 108214   | 1.99E-09                                     | 1.99E-09                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Methanol                              | 67561    | 7.24E-07                                     | 7.24E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Methyl Ethyl Ketone                   | 78933    | 4.83E-06                                     | 4.83E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Methyl Isobutyl Ketone                | 108101   | 3.47E-08                                     | 3.47E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Methylene Chloride                    | 75092    | 1.57E-05                                     | 1.57E-05                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Naphtha                               | 8030306  | 1.80E-05                                     | 1.80E-05                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | n-Butanol                             | 71363    | 2.93E-08                                     | 2.93E-08                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | n-Butyl Cellosolve                    | 111762   | 1.78E-10                                     | 1.78E-10                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | n-Methyl-2-Pyrrolidone                | 872504   | 2.70E-06                                     | 2.70E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | n-Propyl Acetate                      | 109604   | 1.63E-07                                     | 1.63E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Petroleum Oil Products                | 8002059  | 6.53E-10                                     | 6.53E-10                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Phenol                                | 108952   | 1.77E-11                                     | 1.77E-11                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Phosphoric Acid                       | 7664382  | 3.93E-13                                     | 3.93E-13                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                                    | Chemical                              | CAS No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--|---------------------------------------|----------|--|--|
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Propylene Glycol Methyl Ether Acetate | 108656   | 1.25E-07                                     | 1.25E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Stoddard Solvent                      | 8052413  | 3.74E-05                                     | 3.74E-05                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Sulfolane                             | 126330   | 4.66E-10                                     | 4.66E-10                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Tetrachloroethylene                   | 127184   | 2.09E-06                                     | 2.09E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Tetraethyl Orthosilicate              | 78104    | 7.97E-11                                     | 7.97E-11                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Tetrahydrofuran                       | 109999   | 1.26E-07                                     | 1.26E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Toluene                               | 108883   | 6.92E-07                                     | 6.92E-07                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Trichloroethylene                     | 79016    | 2.27E-06                                     | 2.27E-06                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Triethylenetetramine                  | 112243   | 3.21E-13                                     | 3.21E-13                                     |
| FUG_DIST           | Fugitive Emissions from Distillation Processes | Xylenes                               | 1330207  | 1.20E-06                                     | 1.20E-06                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 1,1,1-Trichloroethane                 | 71556    | 3.53E-09                                     | 3.53E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 2.41E-09                                     | 2.41E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 1,2,4-Trimethylbenzene                | 95636    | 1.28E-10                                     | 1.28E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 1,2-Dichlorobenzene                   | 95501    | 8.04E-13                                     | 8.04E-13                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 1-Methoxy-2-Propanol                  | 107982   | 1.68E-09                                     | 1.68E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Butoxyethanol acetate               | 112072   | 2.00E-14                                     | 2.00E-14                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Ethoxyethyl acetate                 | 111159   | 6.96E-11                                     | 6.96E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Ethoxypropanol                      | 19089475 | 9.88E-10                                     | 9.88E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Heptanone                           | 110430   | 2.69E-11                                     | 2.69E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Methoxyethanol                      | 109864   | 2.53E-11                                     | 2.53E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Methyl-1-Propanol                   | 78831    | 6.73E-10                                     | 6.73E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Pentanone                           | 107879   | 3.94E-10                                     | 3.94E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | 2-Pyrrolidone                         | 616455   | 1.45E-11                                     | 1.45E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Acetic acid                           | 64197    | 3.38E-09                                     | 3.38E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Acetone                               | 67641    | 2.33E-06                                     | 2.33E-06                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Acetonitrile                          | 75058    | 2.26E-08                                     | 2.26E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Alcohols                              | 67630    | 3.08E-07                                     | 3.08E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Benzene                               | 71432    | 1.16E-08                                     | 1.16E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Biocide (as Acrolein)                 | 107028   | 7.44E-11                                     | 7.44E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Butyl Acetate                         | 123864   | 2.63E-08                                     | 2.63E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Chlorobenzene                         | 108907   | 9.76E-12                                     | 9.76E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Chloroform                            | 67663    | 3.56E-09                                     | 3.56E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Cresol                                | 1319773  | 2.80E-13                                     | 2.80E-13                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Cyclohexane                           | 110827   | 1.12E-07                                     | 1.12E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Cyclohexanone                         | 108941   | 9.42E-10                                     | 9.42E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Dibutyl Phthalate                     | 84742    | 3.72E-20                                     | 3.72E-20                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Diesel Fuel                           | 68476346 | 4.45E-09                                     | 4.45E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Diethylene Glycol                     | 111466   | 4.48E-11                                     | 4.48E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Diethylene Glycol Butyl Ether         | 112345   | 2.92E-12                                     | 2.92E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Diethylenetriamine                    | 111400   | 9.24E-13                                     | 9.24E-13                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Dimethylformamide                     | 68122    | 7.20E-11                                     | 7.20E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ethanol                               | 64175    | 5.13E-08                                     | 5.13E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ethyl Acetate                         | 141786   | 1.82E-08                                     | 1.82E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ethyl Benzene                         | 100414   | 7.73E-10                                     | 7.73E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ethyl Lactate                         | 687478   | 2.69E-09                                     | 2.69E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ethyl-3-Ethoxypropionate              | 763699   | 2.08E-11                                     | 2.08E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ethylene Glycol                       | 107211   | 1.69E-08                                     | 1.69E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Ferric Chloride                       | 7705080  | 2.56E-10                                     | 2.56E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Gasoline                              | 8006619  | 3.30E-06                                     | 3.30E-06                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Glycerin                              | 56815    | 2.00E-18                                     | 2.00E-18                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Heptane                               | 142825   | 1.88E-09                                     | 1.88E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Hexamethyldisilazane                  | 999973   | 2.88E-10                                     | 2.88E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Hexane                                | 110543   | 3.11E-09                                     | 3.11E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Hydrochloric Acid                     | 7647010  | 2.02E-12                                     | 2.02E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Hydrofluoric Acid                     | 7664393  | 1.42E-09                                     | 1.42E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Isoparaffinic Hydrocarbons            | 64771728 | 3.50E-09                                     | 3.50E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Isopropanolamine                      | 78966    | 6.10E-12                                     | 6.10E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Isopropyl Acetate                     | 108214   | 1.92E-09                                     | 1.92E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Jet Fuel/Kerosene                     | 8008206  | 6.40E-09                                     | 6.40E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Methanol                              | 67561    | 2.02E-07                                     | 2.02E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Methyl Ethyl Ketone                   | 78933    | 3.91E-07                                     | 3.91E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Methyl Isobutyl Ketone                | 108101   | 7.63E-10                                     | 7.63E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Methylene Chloride                    | 75092    | 5.73E-07                                     | 5.73E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Naphtha                               | 8030306  | 4.41E-07                                     | 4.41E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | Naphthalene                           | 91203    | 2.35E-12                                     | 2.35E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F            | n-Butanol                             | 71363    | 7.40E-09                                     | 7.40E-09                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description                         | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------------------------------|---------------------------------------|----------|--|--|
| FUG_F              | Fugitive Emissions from Tank Farm F | n-Butyl Cellosolve                    | 111762   | 9.54E-10                                     | 9.54E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Nitric Acid                           | 7697372  | 5.85E-12                                     | 5.85E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | n-Methyl-2-Pyrrolidone                | 872504   | 2.33E-08                                     | 2.33E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | n-Propyl Acetate                      | 109604   | 1.61E-09                                     | 1.61E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Petroleum Oil Products                | 8002059  | 3.94E-10                                     | 3.94E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Phenol                                | 108952   | 5.45E-11                                     | 5.45E-11                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Phenylmercuric acetate                | 62384    | 9.25E-20                                     | 9.25E-20                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Phosphoric Acid                       | 7664382  | 4.50E-12                                     | 4.50E-12                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Polydimethyl Siloxane                 | 63148629 | 5.96E-14                                     | 5.96E-14                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Propylene Glycol Methyl Ether Acetate | 108656   | 9.00E-10                                     | 9.00E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Pyridine                              | 110861   | 1.08E-10                                     | 1.08E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Stoddard Solvent                      | 8052413  | 9.11E-06                                     | 9.11E-06                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Styrene                               | 100425   | 8.76E-10                                     | 8.76E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Sulfolane                             | 126330   | 4.56E-10                                     | 4.56E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Sulfuric Acid                         | 7664939  | 8.34E-15                                     | 8.34E-15                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Tetrachloroethylene                   | 127184   | 1.71E-08                                     | 1.71E-08                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Tetraethyl Orthosilicate              | 78104    | 1.71E-10                                     | 1.71E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Tetrahydrofuran                       | 109999   | 2.57E-10                                     | 2.57E-10                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Toluene                               | 108883   | 2.92E-07                                     | 2.92E-07                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Trichloroethylene                     | 79016    | 5.95E-09                                     | 5.95E-09                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Triethylenetetramine                  | 112243   | 2.87E-16                                     | 2.87E-16                                     |
| FUG_F              | Fugitive Emissions from Tank Farm F | Xylenes                               | 1330207  | 3.76E-08                                     | 3.76E-08                                     |
| LAB_PACK           | Labpack Consolidation               | Acetone                               | 67641    | 1.41E-02                                     | 5.36E-02                                     |
| LAB_PACK           | Labpack Consolidation               | Alcohols                              | 67630    | 2.74E-03                                     | 1.04E-02                                     |
| LAB_PACK           | Labpack Consolidation               | Ethyl Acetate                         | 141786   | 5.67E-03                                     | 2.15E-02                                     |
| LAB_PACK           | Labpack Consolidation               | Stoddard Solvent                      | 8052413  | 1.22E-04                                     | 4.62E-04                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,1,1-Trichloroethane                 | 71556    | 6.32E-07                                     | 9.48E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 4.81E-08                                     | 7.21E-08                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,1,2-Trichloroethane                 | 79005    | 1.28E-12                                     | 1.93E-12                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,2,4-Trimethylbenzene                | 95636    | 6.76E-07                                     | 1.01E-06                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,2-Dichlorobenzene                   | 95501    | 2.63E-09                                     | 3.95E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,3,5-Trimethylbenzene                | 108678   | 3.61E-11                                     | 5.42E-11                                     |
| LAB_STK            | Laboratory Exhaust                  | 1,4-Dioxane                           | 123911   | 4.95E-10                                     | 7.43E-10                                     |
| LAB_STK            | Laboratory Exhaust                  | 1-Methoxy-2-Propanol                  | 107982   | 3.38E-08                                     | 5.07E-08                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Butoxyethanol acetate               | 112072   | 6.27E-13                                     | 9.40E-13                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Ethoxyethyl acetate                 | 111159   | 1.46E-09                                     | 2.19E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Ethoxypropanol                      | 19089475 | 1.97E-08                                     | 2.95E-08                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Heptanone                           | 110430   | 4.21E-09                                     | 6.32E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Methoxyethanol                      | 109864   | 1.20E-09                                     | 1.80E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Methyl-1-Propanol                   | 78831    | 1.12E-09                                     | 1.68E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | 2-Pentanol                            | 107879   | 8.33E-08                                     | 1.25E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 3.51E-13                                     | 5.26E-13                                     |
| LAB_STK            | Laboratory Exhaust                  | Acetic acid                           | 64197    | 5.13E-10                                     | 7.69E-10                                     |
| LAB_STK            | Laboratory Exhaust                  | Acetone                               | 67641    | 1.97E-06                                     | 2.96E-06                                     |
| LAB_STK            | Laboratory Exhaust                  | Acetonitrile                          | 75058    | 3.88E-08                                     | 5.82E-08                                     |
| LAB_STK            | Laboratory Exhaust                  | Alcohols                              | 67630    | 6.26E-07                                     | 9.40E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | Amyl Acetate                          | 628637   | 1.44E-09                                     | 2.17E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | Benzene                               | 71432    | 1.45E-06                                     | 2.18E-06                                     |
| LAB_STK            | Laboratory Exhaust                  | Biocide (as Acrolein)                 | 107028   | 1.54E-10                                     | 2.31E-10                                     |
| LAB_STK            | Laboratory Exhaust                  | Brominated Bisphenol                  | 79947    | 1.22E-20                                     | 1.83E-20                                     |
| LAB_STK            | Laboratory Exhaust                  | Butyl Acetate                         | 123864   | 9.74E-06                                     | 1.46E-05                                     |
| LAB_STK            | Laboratory Exhaust                  | Carbon Tetrachloride                  | 56235    | 1.73E-11                                     | 2.59E-11                                     |
| LAB_STK            | Laboratory Exhaust                  | Chlorobenzene                         | 108907   | 4.38E-09                                     | 6.57E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | Chloroform                            | 67663    | 8.92E-08                                     | 1.34E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | Cresol                                | 1319773  | 1.85E-12                                     | 2.78E-12                                     |
| LAB_STK            | Laboratory Exhaust                  | Cyclohexane                           | 110827   | 3.40E-07                                     | 5.10E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | Cyclohexanone                         | 108941   | 1.22E-09                                     | 1.83E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | Dibutyl Phthalate                     | 84742    | 4.06E-17                                     | 6.09E-17                                     |
| LAB_STK            | Laboratory Exhaust                  | Diesel Fuel                           | 68476346 | 5.51E-08                                     | 8.27E-08                                     |
| LAB_STK            | Laboratory Exhaust                  | Diethylene Glycol                     | 111466   | 7.26E-11                                     | 1.09E-10                                     |
| LAB_STK            | Laboratory Exhaust                  | Diethylene Glycol Butyl Ether         | 112345   | 8.60E-11                                     | 1.29E-10                                     |
| LAB_STK            | Laboratory Exhaust                  | Diethylenetriamine                    | 111400   | 1.18E-12                                     | 1.77E-12                                     |
| LAB_STK            | Laboratory Exhaust                  | Dimethylformamide                     | 68122    | 2.38E-09                                     | 3.58E-09                                     |
| LAB_STK            | Laboratory Exhaust                  | Ethanol                               | 64175    | 1.69E-07                                     | 2.54E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | Ethyl Acetate                         | 141786   | 7.77E-08                                     | 1.17E-07                                     |
| LAB_STK            | Laboratory Exhaust                  | Ethyl Benzene                         | 100414   | 1.40E-06                                     | 2.09E-06                                     |



**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description        | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|--------------------|---------------------------------------|----------|--|--|
| LAB_STK            | Laboratory Exhaust | Ethyl Lactate                         | 687478   | 3.91E-08                                     | 5.86E-08                                     |
| LAB_STK            | Laboratory Exhaust | Ethyl-3-Ethoxypropionate              | 763699   | 2.76E-10                                     | 4.14E-10                                     |
| LAB_STK            | Laboratory Exhaust | Ethylene Glycol                       | 107211   | 4.28E-11                                     | 6.42E-11                                     |
| LAB_STK            | Laboratory Exhaust | Ferric Chloride                       | 7705080  | 5.95E-10                                     | 8.92E-10                                     |
| LAB_STK            | Laboratory Exhaust | Formic Acid                           | 64186    | 8.25E-13                                     | 1.24E-12                                     |
| LAB_STK            | Laboratory Exhaust | Gasoline                              | 8006619  | 1.94E-05                                     | 2.90E-05                                     |
| LAB_STK            | Laboratory Exhaust | Glycerin                              | 56815    | 3.68E-12                                     | 5.51E-12                                     |
| LAB_STK            | Laboratory Exhaust | Heptane                               | 142825   | 6.60E-09                                     | 9.90E-09                                     |
| LAB_STK            | Laboratory Exhaust | Hexamethyldisilazane                  | 999973   | 5.73E-09                                     | 8.60E-09                                     |
| LAB_STK            | Laboratory Exhaust | Hexane                                | 110543   | 6.06E-05                                     | 9.09E-05                                     |
| LAB_STK            | Laboratory Exhaust | Hydrochloric Acid                     | 7647010  | 1.30E-13                                     | 1.95E-13                                     |
| LAB_STK            | Laboratory Exhaust | isobutyl acetate                      | 110190   | 8.05E-10                                     | 1.21E-09                                     |
| LAB_STK            | Laboratory Exhaust | Isobutyl Isobutyrate                  | 97858    | 7.98E-13                                     | 1.20E-12                                     |
| LAB_STK            | Laboratory Exhaust | Isoparaffinic Hydrocarbons            | 64771728 | 2.81E-06                                     | 4.21E-06                                     |
| LAB_STK            | Laboratory Exhaust | Isopropanolamine                      | 78966    | 1.21E-10                                     | 1.82E-10                                     |
| LAB_STK            | Laboratory Exhaust | Isopropyl Acetate                     | 108214   | 1.53E-08                                     | 2.30E-08                                     |
| LAB_STK            | Laboratory Exhaust | Jet Fuel/Kerosene                     | 8008206  | 1.72E-07                                     | 2.58E-07                                     |
| LAB_STK            | Laboratory Exhaust | Methanol                              | 67561    | 4.86E-07                                     | 7.29E-07                                     |
| LAB_STK            | Laboratory Exhaust | Methyl Ethyl Ketone                   | 78933    | 4.04E-07                                     | 6.07E-07                                     |
| LAB_STK            | Laboratory Exhaust | Methyl Isobutyl Ketone                | 108101   | 2.38E-08                                     | 3.57E-08                                     |
| LAB_STK            | Laboratory Exhaust | Methylene Chloride                    | 75092    | 5.86E-06                                     | 8.79E-06                                     |
| LAB_STK            | Laboratory Exhaust | Mineral Oil                           | 8012951  | 3.89E-08                                     | 5.83E-08                                     |
| LAB_STK            | Laboratory Exhaust | Naphtha                               | 8030306  | 9.77E-08                                     | 1.47E-07                                     |
| LAB_STK            | Laboratory Exhaust | Naphthalene                           | 91203    | 1.08E-08                                     | 1.62E-08                                     |
| LAB_STK            | Laboratory Exhaust | n-Butanol                             | 71363    | 6.00E-09                                     | 9.01E-09                                     |
| LAB_STK            | Laboratory Exhaust | n-Butyl Cellosolve                    | 111762   | 2.72E-11                                     | 4.08E-11                                     |
| LAB_STK            | Laboratory Exhaust | Nitric Acid                           | 7697372  | 1.19E-10                                     | 1.79E-10                                     |
| LAB_STK            | Laboratory Exhaust | n-Methyl-2-Pyrrolidone                | 872504   | 2.96E-08                                     | 4.44E-08                                     |
| LAB_STK            | Laboratory Exhaust | n-Propyl Acetate                      | 109604   | 1.64E-08                                     | 2.46E-08                                     |
| LAB_STK            | Laboratory Exhaust | Petroleum Oil Products                | 8002059  | 1.15E-09                                     | 1.72E-09                                     |
| LAB_STK            | Laboratory Exhaust | Phenol                                | 108952   | 1.61E-10                                     | 2.42E-10                                     |
| LAB_STK            | Laboratory Exhaust | Phenylmercuric acetate                | 62384    | 9.45E-18                                     | 1.42E-17                                     |
| LAB_STK            | Laboratory Exhaust | Phosphoric Acid                       | 7664382  | 1.85E-18                                     | 2.78E-18                                     |
| LAB_STK            | Laboratory Exhaust | Polydimethyl Siloxane                 | 63148629 | 9.69E-08                                     | 1.45E-07                                     |
| LAB_STK            | Laboratory Exhaust | Propylene Glycol Methyl Ether Acetate | 108656   | 7.04E-09                                     | 1.06E-08                                     |
| LAB_STK            | Laboratory Exhaust | Pyridine                              | 110861   | 3.28E-10                                     | 4.91E-10                                     |
| LAB_STK            | Laboratory Exhaust | Stoddard Solvent                      | 8052413  | 2.15E-08                                     | 3.23E-08                                     |
| LAB_STK            | Laboratory Exhaust | Styrene                               | 100425   | 6.33E-07                                     | 9.50E-07                                     |
| LAB_STK            | Laboratory Exhaust | Sulfolane                             | 126330   | 7.91E-10                                     | 1.19E-09                                     |
| LAB_STK            | Laboratory Exhaust | Sulfuric Acid                         | 7664939  | 2.22E-14                                     | 3.33E-14                                     |
| LAB_STK            | Laboratory Exhaust | Tetrachloroethylene                   | 127184   | 3.48E-05                                     | 5.22E-05                                     |
| LAB_STK            | Laboratory Exhaust | Tetraethyl Orthosilicate              | 78104    | 5.10E-10                                     | 7.65E-10                                     |
| LAB_STK            | Laboratory Exhaust | Tetrahydrofuran                       | 109999   | 4.24E-08                                     | 6.36E-08                                     |
| LAB_STK            | Laboratory Exhaust | Toluene                               | 108883   | 3.63E-06                                     | 5.45E-06                                     |
| LAB_STK            | Laboratory Exhaust | Trichloroethylene                     | 79016    | 1.29E-06                                     | 1.94E-06                                     |
| LAB_STK            | Laboratory Exhaust | Triethylenetetramine                  | 112243   | 1.02E-13                                     | 1.53E-13                                     |
| LAB_STK            | Laboratory Exhaust | Xylenes                               | 1330207  | 7.55E-06                                     | 1.13E-05                                     |
| RAILSAMP           | Railcar Sampling   | 1,1,1-Trichloroethane                 | 71556    | 3.40E-09                                     | 4.96E-07                                     |
| RAILSAMP           | Railcar Sampling   | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 4.90E-10                                     | 7.15E-08                                     |
| RAILSAMP           | Railcar Sampling   | 1,1,2-Trichloroethane                 | 79005    | 1.68E-13                                     | 2.46E-11                                     |
| RAILSAMP           | Railcar Sampling   | 1,2,4-Trimethylbenzene                | 95636    | 1.72E-14                                     | 2.51E-12                                     |
| RAILSAMP           | Railcar Sampling   | 1,2-Dichlorobenzene                   | 95501    | 3.67E-14                                     | 5.36E-12                                     |
| RAILSAMP           | Railcar Sampling   | 1,3,5-Trimethylbenzene                | 108678   | 4.73E-12                                     | 6.91E-10                                     |
| RAILSAMP           | Railcar Sampling   | 1,4-Dioxane                           | 123911   | 6.49E-11                                     | 9.47E-09                                     |
| RAILSAMP           | Railcar Sampling   | 1-Methoxy-2-Propanol                  | 107982   | 4.43E-09                                     | 6.46E-07                                     |
| RAILSAMP           | Railcar Sampling   | 2-Butoxyethanol acetate               | 112072   | 2.98E-14                                     | 4.36E-12                                     |
| RAILSAMP           | Railcar Sampling   | 2-Ethoxyethyl acetate                 | 111159   | 1.27E-11                                     | 1.85E-09                                     |
| RAILSAMP           | Railcar Sampling   | 2-Heptanone                           | 110430   | 1.72E-11                                     | 2.52E-09                                     |
| RAILSAMP           | Railcar Sampling   | 2-Methoxyethanol                      | 109864   | 1.58E-10                                     | 2.30E-08                                     |
| RAILSAMP           | Railcar Sampling   | 2-Methyl-1-Propanol                   | 78831    | 7.68E-14                                     | 1.12E-11                                     |
| RAILSAMP           | Railcar Sampling   | 2-Pentanone                           | 107879   | 1.09E-08                                     | 1.59E-06                                     |
| RAILSAMP           | Railcar Sampling   | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 4.59E-14                                     | 6.70E-12                                     |
| RAILSAMP           | Railcar Sampling   | Acetic acid                           | 64197    | 6.71E-11                                     | 9.80E-09                                     |
| RAILSAMP           | Railcar Sampling   | Acetone                               | 67641    | 2.58E-07                                     | 3.77E-05                                     |
| RAILSAMP           | Railcar Sampling   | Acetonitrile                          | 75058    | 2.33E-08                                     | 3.41E-06                                     |
| RAILSAMP           | Railcar Sampling   | Alcohols                              | 67630    | 5.79E-08                                     | 8.46E-06                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description           | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-----------------------|---------------------------------------|----------|--|--|
| RAILSAMP           | Railcar Sampling      | Amyl Acetate                          | 628637   | 1.89E-10                                     | 2.76E-08                                     |
| RAILSAMP           | Railcar Sampling      | Benzene                               | 71432    | 5.28E-09                                     | 7.71E-07                                     |
| RAILSAMP           | Railcar Sampling      | Brominated Bisphenol                  | 79947    | 1.60E-21                                     | 2.33E-19                                     |
| RAILSAMP           | Railcar Sampling      | Butyl Acetate                         | 123864   | 8.75E-10                                     | 1.28E-07                                     |
| RAILSAMP           | Railcar Sampling      | Carbon Tetrachloride                  | 56235    | 2.26E-12                                     | 3.30E-10                                     |
| RAILSAMP           | Railcar Sampling      | Chlorobenzene                         | 108907   | 1.59E-12                                     | 2.31E-10                                     |
| RAILSAMP           | Railcar Sampling      | Chloroform                            | 67663    | 1.52E-09                                     | 2.22E-07                                     |
| RAILSAMP           | Railcar Sampling      | Cresol                                | 1319773  | 2.78E-14                                     | 4.06E-12                                     |
| RAILSAMP           | Railcar Sampling      | Cyclohexane                           | 110827   | 1.22E-09                                     | 1.79E-07                                     |
| RAILSAMP           | Railcar Sampling      | Cyclohexanone                         | 108941   | 1.60E-10                                     | 2.34E-08                                     |
| RAILSAMP           | Railcar Sampling      | Dibutyl Phthalate                     | 84742    | 5.31E-18                                     | 7.76E-16                                     |
| RAILSAMP           | Railcar Sampling      | Diesel Fuel                           | 68476346 | 7.04E-10                                     | 1.03E-07                                     |
| RAILSAMP           | Railcar Sampling      | Diethylene Glycol                     | 111466   | 7.11E-15                                     | 1.04E-12                                     |
| RAILSAMP           | Railcar Sampling      | Diethylene Glycol Butyl Ether         | 112345   | 3.16E-14                                     | 4.62E-12                                     |
| RAILSAMP           | Railcar Sampling      | Dimethylformamide                     | 68122    | 3.12E-10                                     | 4.56E-08                                     |
| RAILSAMP           | Railcar Sampling      | Ethanol                               | 64175    | 2.21E-08                                     | 3.23E-06                                     |
| RAILSAMP           | Railcar Sampling      | Ethyl Acetate                         | 141786   | 1.02E-08                                     | 1.49E-06                                     |
| RAILSAMP           | Railcar Sampling      | Ethyl Benzene                         | 100414   | 1.86E-10                                     | 2.71E-08                                     |
| RAILSAMP           | Railcar Sampling      | Ethyl Lactate                         | 687478   | 3.37E-09                                     | 4.92E-07                                     |
| RAILSAMP           | Railcar Sampling      | Ethyl-3-Ethoxypropionate              | 763699   | 3.03E-12                                     | 4.43E-10                                     |
| RAILSAMP           | Railcar Sampling      | Ethylene Glycol                       | 107211   | 5.60E-12                                     | 8.18E-10                                     |
| RAILSAMP           | Railcar Sampling      | Ferric Chloride                       | 7705080  | 8.58E-12                                     | 1.25E-09                                     |
| RAILSAMP           | Railcar Sampling      | Formic Acid                           | 64186    | 1.08E-13                                     | 1.58E-11                                     |
| RAILSAMP           | Railcar Sampling      | Gasoline                              | 8006619  | 1.91E-07                                     | 2.79E-05                                     |
| RAILSAMP           | Railcar Sampling      | Glycerin                              | 56815    | 2.68E-14                                     | 3.92E-12                                     |
| RAILSAMP           | Railcar Sampling      | Heptane                               | 142825   | 8.64E-10                                     | 1.26E-07                                     |
| RAILSAMP           | Railcar Sampling      | Hexamethyldisilazane                  | 999973   | 1.81E-11                                     | 2.64E-09                                     |
| RAILSAMP           | Railcar Sampling      | Hexane                                | 110543   | 5.64E-09                                     | 8.24E-07                                     |
| RAILSAMP           | Railcar Sampling      | Hydrochloric Acid                     | 7647010  | 1.61E-12                                     | 2.35E-10                                     |
| RAILSAMP           | Railcar Sampling      | isobutyl acetate                      | 110190   | 1.05E-10                                     | 1.54E-08                                     |
| RAILSAMP           | Railcar Sampling      | Isobutyl Isobutyrate                  | 97858    | 1.04E-13                                     | 1.52E-11                                     |
| RAILSAMP           | Railcar Sampling      | Isoparaffinic Hydrocarbons            | 64771728 | 3.68E-07                                     | 5.37E-05                                     |
| RAILSAMP           | Railcar Sampling      | Isopropyl Acetate                     | 108214   | 1.10E-11                                     | 1.60E-09                                     |
| RAILSAMP           | Railcar Sampling      | Jet Fuel/Kerosene                     | 8008206  | 1.78E-09                                     | 2.60E-07                                     |
| RAILSAMP           | Railcar Sampling      | Methanol                              | 67561    | 6.36E-08                                     | 9.29E-06                                     |
| RAILSAMP           | Railcar Sampling      | Methyl Ethyl Ketone                   | 78933    | 5.29E-08                                     | 7.73E-06                                     |
| RAILSAMP           | Railcar Sampling      | Methyl Isobutyl Ketone                | 108101   | 3.11E-09                                     | 4.55E-07                                     |
| RAILSAMP           | Railcar Sampling      | Methylene Chloride                    | 75092    | 1.10E-07                                     | 1.60E-05                                     |
| RAILSAMP           | Railcar Sampling      | Mineral Oil                           | 8012951  | 5.09E-09                                     | 7.44E-07                                     |
| RAILSAMP           | Railcar Sampling      | Naphtha                               | 8030306  | 1.18E-08                                     | 1.72E-06                                     |
| RAILSAMP           | Railcar Sampling      | Naphthalene                           | 91203    | 4.37E-14                                     | 6.38E-12                                     |
| RAILSAMP           | Railcar Sampling      | n-Butanol                             | 71363    | 7.86E-10                                     | 1.15E-07                                     |
| RAILSAMP           | Railcar Sampling      | n-Butyl Cellosolve                    | 111762   | 3.05E-12                                     | 4.46E-10                                     |
| RAILSAMP           | Railcar Sampling      | Nitric Acid                           | 7697372  | 1.56E-11                                     | 2.28E-09                                     |
| RAILSAMP           | Railcar Sampling      | n-Methyl-2-Pyrrolidone                | 872504   | 2.33E-10                                     | 3.40E-08                                     |
| RAILSAMP           | Railcar Sampling      | n-Propyl Acetate                      | 109604   | 1.99E-10                                     | 2.91E-08                                     |
| RAILSAMP           | Railcar Sampling      | Petroleum Oil Products                | 8002059  | 2.12E-11                                     | 3.10E-09                                     |
| RAILSAMP           | Railcar Sampling      | Phenol                                | 108952   | 3.33E-13                                     | 4.87E-11                                     |
| RAILSAMP           | Railcar Sampling      | Polydimethyl Siloxane                 | 63148629 | 4.41E-13                                     | 6.43E-11                                     |
| RAILSAMP           | Railcar Sampling      | Propylene Glycol Methyl Ether Acetate | 108656   | 9.22E-10                                     | 1.35E-07                                     |
| RAILSAMP           | Railcar Sampling      | Propylene Oxide                       | 75569    | 5.49E-10                                     | 8.02E-08                                     |
| RAILSAMP           | Railcar Sampling      | Pyridine                              | 110861   | 4.29E-11                                     | 6.26E-09                                     |
| RAILSAMP           | Railcar Sampling      | Stoddard Solvent                      | 8052413  | 1.04E-09                                     | 1.52E-07                                     |
| RAILSAMP           | Railcar Sampling      | Styrene                               | 100425   | 1.26E-10                                     | 1.83E-08                                     |
| RAILSAMP           | Railcar Sampling      | Sulfolane                             | 126330   | 1.03E-10                                     | 1.51E-08                                     |
| RAILSAMP           | Railcar Sampling      | Sulfuric Acid                         | 7664939  | 2.75E-13                                     | 4.01E-11                                     |
| RAILSAMP           | Railcar Sampling      | Tetrachloroethylene                   | 127184   | 4.10E-09                                     | 5.99E-07                                     |
| RAILSAMP           | Railcar Sampling      | Tetraethyl Orthosilicate              | 78104    | 6.68E-11                                     | 9.75E-09                                     |
| RAILSAMP           | Railcar Sampling      | Tetrahydrofuran                       | 109999   | 5.55E-09                                     | 8.10E-07                                     |
| RAILSAMP           | Railcar Sampling      | Toluene                               | 108883   | 2.08E-08                                     | 3.04E-06                                     |
| RAILSAMP           | Railcar Sampling      | Trichloroethylene                     | 79016    | 2.33E-08                                     | 3.40E-06                                     |
| RAILSAMP           | Railcar Sampling      | Triethylenetetramine                  | 112243   | 1.34E-14                                     | 1.95E-12                                     |
| RAILSAMP           | Railcar Sampling      | Xylenes                               | 1330207  | 3.74E-09                                     | 5.46E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | 1,1,1-Trichloroethane                 | 71556    | 8.67E-08                                     | 7.60E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 6.60E-09                                     | 5.78E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | 1,1,2-Trichloroethane                 | 79005    | 1.76E-13                                     | 1.54E-12                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description           | Chemical                       | CAS No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-----------------------|--------------------------------|----------|--|--|
| TANKSAMP           | Tanker Truck Sampling | 1,2,4-Trimethylbenzene         | 95636    | 9.28E-08                                     | 8.13E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | 1,2-Dichlorobenzene            | 95501    | 3.62E-10                                     | 3.17E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | 1,3,5-Trimethylbenzene         | 108678   | 4.96E-12                                     | 4.34E-11                                     |
| TANKSAMP           | Tanker Truck Sampling | 1,4-Dioxane                    | 123911   | 6.80E-11                                     | 5.95E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | 1-Methoxy-2-Propanol           | 107982   | 4.64E-09                                     | 4.06E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Butoxyethanol acetate        | 112072   | 8.60E-14                                     | 7.54E-13                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Ethoxyethyl acetate          | 111159   | 2.00E-10                                     | 1.75E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Ethoxypropanol               | 19089475 | 2.70E-09                                     | 2.36E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Heptanone                    | 110430   | 5.78E-10                                     | 5.07E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Methoxyethanol               | 109864   | 1.65E-10                                     | 1.45E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Methyl-1-Propanol            | 78831    | 1.54E-10                                     | 1.35E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | 2-Pentanol                     | 107879   | 1.14E-08                                     | 1.00E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | 4-Hydroxy-4-Methyl-2-Pentanone | 123422   | 4.81E-14                                     | 4.22E-13                                     |
| TANKSAMP           | Tanker Truck Sampling | Acetic acid                    | 64197    | 7.04E-11                                     | 6.16E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Acetone                        | 67641    | 2.71E-07                                     | 2.37E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Acetonitrile                   | 75058    | 5.32E-09                                     | 4.66E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Alcohols                       | 67630    | 8.60E-08                                     | 7.53E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Amyl Acetate                   | 628637   | 1.98E-10                                     | 1.74E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Benzene                        | 71432    | 2.00E-07                                     | 1.75E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Biocide (as Acrolein)          | 107028   | 2.12E-11                                     | 1.85E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Brominated Bisphenol           | 79947    | 1.67E-21                                     | 1.47E-20                                     |
| TANKSAMP           | Tanker Truck Sampling | Butyl Acetate                  | 123864   | 1.34E-06                                     | 1.17E-05                                     |
| TANKSAMP           | Tanker Truck Sampling | Carbon Tetrachloride           | 56235    | 2.37E-12                                     | 2.08E-11                                     |
| TANKSAMP           | Tanker Truck Sampling | Chlorobenzene                  | 108907   | 6.01E-10                                     | 5.27E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Chloroform                     | 67663    | 1.22E-08                                     | 1.07E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Cresol                         | 1319773  | 2.54E-13                                     | 2.22E-12                                     |
| TANKSAMP           | Tanker Truck Sampling | Cyclohexane                    | 110827   | 4.67E-08                                     | 4.09E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Cyclohexanone                  | 108941   | 1.68E-10                                     | 1.47E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Dibutyl Phthalate              | 84742    | 5.57E-18                                     | 4.88E-17                                     |
| TANKSAMP           | Tanker Truck Sampling | Diesel Fuel                    | 68476346 | 7.56E-09                                     | 6.63E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Diethylene Glycol              | 111466   | 9.97E-12                                     | 8.73E-11                                     |
| TANKSAMP           | Tanker Truck Sampling | Diethylene Glycol Butyl Ether  | 112345   | 1.18E-11                                     | 1.03E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Diethylenetriamine             | 111400   | 1.62E-13                                     | 1.42E-12                                     |
| TANKSAMP           | Tanker Truck Sampling | Dimethylformamide              | 68122    | 3.27E-10                                     | 2.87E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Ethanol                        | 64175    | 2.32E-08                                     | 2.03E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Ethyl Acetate                  | 141786   | 1.07E-08                                     | 9.35E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Ethyl Benzene                  | 100414   | 1.91E-07                                     | 1.68E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Ethyl Lactate                  | 687478   | 5.36E-09                                     | 4.70E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Ethyl-3-Ethoxypropionate       | 763699   | 3.79E-11                                     | 3.32E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Ethylene Glycol                | 107211   | 5.87E-12                                     | 5.14E-11                                     |
| TANKSAMP           | Tanker Truck Sampling | Ferric Chloride                | 7705080  | 8.16E-11                                     | 7.15E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Formic Acid                    | 64186    | 1.13E-13                                     | 9.92E-13                                     |
| TANKSAMP           | Tanker Truck Sampling | Gasoline                       | 8006619  | 2.66E-06                                     | 2.33E-05                                     |
| TANKSAMP           | Tanker Truck Sampling | Glycerin                       | 56815    | 5.05E-13                                     | 4.42E-12                                     |
| TANKSAMP           | Tanker Truck Sampling | Heptane                        | 142825   | 9.06E-10                                     | 7.93E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Hexamethyldisilazane           | 999973   | 7.86E-10                                     | 6.89E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Hexane                         | 110543   | 8.32E-06                                     | 7.29E-05                                     |
| TANKSAMP           | Tanker Truck Sampling | Hydrochloric Acid              | 7647010  | 1.78E-14                                     | 1.56E-13                                     |
| TANKSAMP           | Tanker Truck Sampling | isobutyl acetate               | 110190   | 1.11E-10                                     | 9.68E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Isobutyl Isobutyrate           | 97858    | 1.09E-13                                     | 9.59E-13                                     |
| TANKSAMP           | Tanker Truck Sampling | Isoparaffinic Hydrocarbons     | 64771728 | 3.85E-07                                     | 3.38E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Isopropanolamine               | 78966    | 1.67E-11                                     | 1.46E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Isopropyl Acetate              | 108214   | 2.10E-09                                     | 1.84E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Jet Fuel/Kerosene              | 8008206  | 2.36E-08                                     | 2.07E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Methanol                       | 67561    | 6.67E-08                                     | 5.84E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Methyl Ethyl Ketone            | 78933    | 5.55E-08                                     | 4.86E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Methyl Isobutyl Ketone         | 108101   | 3.26E-09                                     | 2.86E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Methylene Chloride             | 75092    | 8.04E-07                                     | 7.04E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Mineral Oil                    | 8012951  | 5.34E-09                                     | 4.68E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Naphtha                        | 8030306  | 1.34E-08                                     | 1.17E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Naphthalene                    | 91203    | 1.49E-09                                     | 1.30E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | n-Butanol                      | 71363    | 8.24E-10                                     | 7.22E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | n-Butyl Cellosolve             | 111762   | 3.73E-12                                     | 3.27E-11                                     |
| TANKSAMP           | Tanker Truck Sampling | Nitric Acid                    | 7697372  | 1.63E-11                                     | 1.43E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | n-Methyl-2-Pyrrolidone         | 872504   | 4.07E-09                                     | 3.56E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | n-Propyl Acetate               | 109604   | 2.25E-09                                     | 1.97E-08                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description           | Chemical                              | CAS No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-----------------------|---------------------------------------|----------|--|--|
| TANKSAMP           | Tanker Truck Sampling | Petroleum Oil Products                | 8002059  | 1.57E-10                                     | 1.38E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Phenol                                | 108952   | 2.21E-11                                     | 1.94E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Phenylmercuric acetate                | 62384    | 1.30E-18                                     | 1.14E-17                                     |
| TANKSAMP           | Tanker Truck Sampling | Phosphoric Acid                       | 7664382  | 2.54E-19                                     | 2.23E-18                                     |
| TANKSAMP           | Tanker Truck Sampling | Polydimethyl Siloxane                 | 63148629 | 1.33E-08                                     | 1.16E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Propylene Glycol Methyl Ether Acetate | 108656   | 9.67E-10                                     | 8.47E-09                                     |
| TANKSAMP           | Tanker Truck Sampling | Pyridine                              | 110861   | 4.50E-11                                     | 3.94E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Stoddard Solvent                      | 8052413  | 2.95E-09                                     | 2.58E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Styrene                               | 100425   | 8.69E-08                                     | 7.62E-07                                     |
| TANKSAMP           | Tanker Truck Sampling | Sulfolane                             | 126330   | 1.09E-10                                     | 9.51E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Sulfuric Acid                         | 7664939  | 3.04E-15                                     | 2.67E-14                                     |
| TANKSAMP           | Tanker Truck Sampling | Tetrachloroethylene                   | 127184   | 4.78E-06                                     | 4.19E-05                                     |
| TANKSAMP           | Tanker Truck Sampling | Tetraethyl Orthosilicate              | 78104    | 7.00E-11                                     | 6.13E-10                                     |
| TANKSAMP           | Tanker Truck Sampling | Tetrahydrofuran                       | 109999   | 5.82E-09                                     | 5.10E-08                                     |
| TANKSAMP           | Tanker Truck Sampling | Toluene                               | 108883   | 4.98E-07                                     | 4.37E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Trichloroethylene                     | 79016    | 1.77E-07                                     | 1.55E-06                                     |
| TANKSAMP           | Tanker Truck Sampling | Triethylenetetramine                  | 112243   | 1.40E-14                                     | 1.23E-13                                     |
| TANKSAMP           | Tanker Truck Sampling | Xylenes                               | 1330207  | 1.04E-06                                     | 9.08E-06                                     |
| TNK_WSH            | Truck Washout         | 1,1,1-Trichloroethane                 | 71556    | 3.21E-06                                     | 1.67E-06                                     |
| TNK_WSH            | Truck Washout         | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 6.49E-06                                     | 4.43E-06                                     |
| TNK_WSH            | Truck Washout         | 1,1,2-Trichloroethane                 | 79005    | 4.00E-11                                     | 2.77E-11                                     |
| TNK_WSH            | Truck Washout         | 1,2,4-Trimethylbenzene                | 95636    | 4.55E-12                                     | 3.15E-12                                     |
| TNK_WSH            | Truck Washout         | 1,2-Dichlorobenzene                   | 95501    | 7.94E-12                                     | 5.50E-12                                     |
| TNK_WSH            | Truck Washout         | 1,3,5-Trimethylbenzene                | 108678   | 1.25E-09                                     | 8.66E-10                                     |
| TNK_WSH            | Truck Washout         | 1,4-Dioxane                           | 123911   | 2.34E-08                                     | 1.62E-08                                     |
| TNK_WSH            | Truck Washout         | 1-Methoxy-2-Propanol                  | 107982   | 1.80E-06                                     | 1.08E-06                                     |
| TNK_WSH            | Truck Washout         | 2-Butoxyethanol acetate               | 112072   | 1.28E-08                                     | 8.82E-09                                     |
| TNK_WSH            | Truck Washout         | 2-Ethoxyethyl acetate                 | 111159   | 2.66E-07                                     | 1.83E-07                                     |
| TNK_WSH            | Truck Washout         | 2-Ethoxypropanol                      | 19089475 | 4.72E-06                                     | 3.26E-06                                     |
| TNK_WSH            | Truck Washout         | 2-Heptanone                           | 110430   | 7.49E-08                                     | 4.86E-08                                     |
| TNK_WSH            | Truck Washout         | 2-Methoxyethanol                      | 109864   | 6.58E-08                                     | 4.55E-08                                     |
| TNK_WSH            | Truck Washout         | 2-Methyl-1-Propanol                   | 78831    | 3.29E-11                                     | 2.28E-11                                     |
| TNK_WSH            | Truck Washout         | 2-Pentanone                           | 107879   | 6.44E-06                                     | 3.01E-06                                     |
| TNK_WSH            | Truck Washout         | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 1.26E-11                                     | 8.69E-12                                     |
| TNK_WSH            | Truck Washout         | Acetic acid                           | 64197    | 3.55E-08                                     | 2.46E-08                                     |
| TNK_WSH            | Truck Washout         | Acetone                               | 67641    | 4.51E-04                                     | 2.14E-04                                     |
| TNK_WSH            | Truck Washout         | Acetonitrile                          | 75058    | 1.90E-05                                     | 1.25E-05                                     |
| TNK_WSH            | Truck Washout         | Alcohols                              | 67630    | 1.07E-04                                     | 7.42E-05                                     |
| TNK_WSH            | Truck Washout         | Amyl Acetate                          | 628637   | 4.61E-08                                     | 3.19E-08                                     |
| TNK_WSH            | Truck Washout         | Benzene                               | 71432    | 2.15E-06                                     | 1.49E-06                                     |
| TNK_WSH            | Truck Washout         | Brominated Bisphenol                  | 79947    | 9.33E-20                                     | 6.46E-20                                     |
| TNK_WSH            | Truck Washout         | Butyl Acetate                         | 123864   | 2.94E-07                                     | 1.66E-07                                     |
| TNK_WSH            | Truck Washout         | Carbon Tetrachloride                  | 56235    | 4.67E-10                                     | 3.23E-10                                     |
| TNK_WSH            | Truck Washout         | Chlorobenzene                         | 108907   | 4.47E-10                                     | 3.10E-10                                     |
| TNK_WSH            | Truck Washout         | Chloroform                            | 67663    | 6.04E-07                                     | 2.80E-07                                     |
| TNK_WSH            | Truck Washout         | Cresol                                | 1319773  | 2.72E-12                                     | 1.89E-12                                     |
| TNK_WSH            | Truck Washout         | Cyclohexane                           | 110827   | 4.62E-07                                     | 3.20E-07                                     |
| TNK_WSH            | Truck Washout         | Cyclohexanone                         | 108941   | 3.12E-07                                     | 1.84E-07                                     |
| TNK_WSH            | Truck Washout         | Dibutyl Phthalate                     | 84742    | 3.12E-15                                     | 1.74E-15                                     |
| TNK_WSH            | Truck Washout         | Diesel Fuel                           | 68476346 | 1.21E-07                                     | 8.37E-08                                     |
| TNK_WSH            | Truck Washout         | Diethylene Glycol                     | 111466   | 1.71E-08                                     | 1.18E-08                                     |
| TNK_WSH            | Truck Washout         | Diethylene Glycol Butyl Ether         | 112345   | 6.19E-12                                     | 4.29E-12                                     |
| TNK_WSH            | Truck Washout         | Dimethylformamide                     | 68122    | 1.89E-07                                     | 9.39E-08                                     |
| TNK_WSH            | Truck Washout         | Ethanol                               | 64175    | 1.74E-05                                     | 1.06E-05                                     |
| TNK_WSH            | Truck Washout         | Ethyl Acetate                         | 141786   | 6.15E-06                                     | 2.54E-06                                     |
| TNK_WSH            | Truck Washout         | Ethyl Benzene                         | 100414   | 8.04E-08                                     | 3.85E-08                                     |
| TNK_WSH            | Truck Washout         | Ethyl Lactate                         | 687478   | 9.17E-06                                     | 5.72E-06                                     |
| TNK_WSH            | Truck Washout         | Ethyl-3-Ethoxypropionate              | 763699   | 4.78E-08                                     | 3.26E-08                                     |
| TNK_WSH            | Truck Washout         | Ethylene Glycol                       | 107211   | 1.31E-08                                     | 7.07E-09                                     |
| TNK_WSH            | Truck Washout         | Ferric Chloride                       | 7705080  | 1.68E-09                                     | 1.16E-09                                     |
| TNK_WSH            | Truck Washout         | Formic Acid                           | 64186    | 7.45E-11                                     | 5.16E-11                                     |
| TNK_WSH            | Truck Washout         | Gasoline                              | 8006619  | 5.61E-05                                     | 3.88E-05                                     |
| TNK_WSH            | Truck Washout         | Glycerin                              | 56815    | 9.25E-12                                     | 6.41E-12                                     |
| TNK_WSH            | Truck Washout         | Heptane                               | 142825   | 3.88E-07                                     | 1.90E-07                                     |
| TNK_WSH            | Truck Washout         | Hexamethyldisilazane                  | 999973   | 8.90E-07                                     | 6.14E-07                                     |
| TNK_WSH            | Truck Washout         | Hexane                                | 110543   | 2.82E-06                                     | 1.44E-06                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description   | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|---------------|---------------------------------------|----------|--|--|
| TNK_WSH            | Truck Washout | Hydrochloric Acid                     | 7647010  | 1.48E-11                                     | 1.03E-11                                     |
| TNK_WSH            | Truck Washout | isobutyl acetate                      | 110190   | 2.88E-08                                     | 2.00E-08                                     |
| TNK_WSH            | Truck Washout | Isobutyl Isobutyrate                  | 97858    | 2.30E-11                                     | 1.59E-11                                     |
| TNK_WSH            | Truck Washout | Isoparaffinic Hydrocarbons            | 64771728 | 1.62E-04                                     | 1.12E-04                                     |
| TNK_WSH            | Truck Washout | Isopropanolamine                      | 78966    | 4.03E-08                                     | 2.79E-08                                     |
| TNK_WSH            | Truck Washout | Isopropyl Acetate                     | 108214   | 9.67E-09                                     | 4.33E-09                                     |
| TNK_WSH            | Truck Washout | Jet Fuel/Kerosene                     | 8008206  | 3.43E-07                                     | 2.37E-07                                     |
| TNK_WSH            | Truck Washout | Methanol                              | 67561    | 7.34E-05                                     | 4.37E-05                                     |
| TNK_WSH            | Truck Washout | Methyl Ethyl Ketone                   | 78933    | 5.37E-05                                     | 2.10E-05                                     |
| TNK_WSH            | Truck Washout | Methyl Isobutyl Ketone                | 108101   | 1.15E-06                                     | 6.84E-07                                     |
| TNK_WSH            | Truck Washout | Methylene Chloride                    | 75092    | 1.25E-04                                     | 5.81E-05                                     |
| TNK_WSH            | Truck Washout | Mineral Oil                           | 8012951  | 2.24E-06                                     | 1.55E-06                                     |
| TNK_WSH            | Truck Washout | Naphtha                               | 8030306  | 1.75E-05                                     | 9.77E-06                                     |
| TNK_WSH            | Truck Washout | Naphthalene                           | 91203    | 1.08E-11                                     | 7.50E-12                                     |
| TNK_WSH            | Truck Washout | n-Butanol                             | 71363    | 5.31E-07                                     | 2.33E-07                                     |
| TNK_WSH            | Truck Washout | n-Butyl Cellosolve                    | 111762   | 1.64E-09                                     | 1.14E-09                                     |
| TNK_WSH            | Truck Washout | Nitric Acid                           | 7697372  | 7.86E-09                                     | 5.44E-09                                     |
| TNK_WSH            | Truck Washout | n-Methyl-2-Pyrrolidone                | 872504   | 7.54E-06                                     | 5.17E-06                                     |
| TNK_WSH            | Truck Washout | n-Propyl Acetate                      | 109604   | 8.31E-07                                     | 5.33E-07                                     |
| TNK_WSH            | Truck Washout | Petroleum Oil Products                | 8002059  | 3.42E-09                                     | 1.65E-09                                     |
| TNK_WSH            | Truck Washout | Phenol                                | 108952   | 1.98E-10                                     | 7.79E-11                                     |
| TNK_WSH            | Truck Washout | Phosphoric Acid                       | 7664382  | 1.31E-10                                     | 9.06E-11                                     |
| TNK_WSH            | Truck Washout | Polydimethyl Siloxane                 | 63148629 | 1.89E-10                                     | 1.31E-10                                     |
| TNK_WSH            | Truck Washout | Propylene Glycol Methyl Ether Acetate | 108656   | 6.41E-07                                     | 2.90E-07                                     |
| TNK_WSH            | Truck Washout | Propylene Oxide                       | 75569    | 3.00E-07                                     | 2.08E-07                                     |
| TNK_WSH            | Truck Washout | Pyridine                              | 110861   | 1.72E-08                                     | 1.19E-08                                     |
| TNK_WSH            | Truck Washout | Stoddard Solvent                      | 8052413  | 4.33E-02                                     | 3.00E-02                                     |
| TNK_WSH            | Truck Washout | Styrene                               | 100425   | 3.83E-08                                     | 2.65E-08                                     |
| TNK_WSH            | Truck Washout | Sulfolane                             | 126330   | 3.88E-08                                     | 2.68E-08                                     |
| TNK_WSH            | Truck Washout | Sulfuric Acid                         | 7664939  | 2.53E-12                                     | 1.75E-12                                     |
| TNK_WSH            | Truck Washout | Tetrachloroethylene                   | 127184   | 6.55E-06                                     | 3.99E-06                                     |
| TNK_WSH            | Truck Washout | Tetraethyl Orthosilicate              | 78104    | 1.04E-08                                     | 7.05E-09                                     |
| TNK_WSH            | Truck Washout | Tetrahydrofuran                       | 109999   | 3.23E-06                                     | 1.69E-06                                     |
| TNK_WSH            | Truck Washout | Toluene                               | 108883   | 1.06E-05                                     | 4.96E-06                                     |
| TNK_WSH            | Truck Washout | Trichloroethylene                     | 79016    | 1.34E-05                                     | 5.39E-06                                     |
| TNK_WSH            | Truck Washout | Triethylenetetramine                  | 112243   | 3.88E-12                                     | 2.01E-12                                     |
| TNK_WSH            | Truck Washout | Xylenes                               | 1330207  | 6.04E-06                                     | 3.41E-06                                     |
| TR1                | Trough 1      | 1,1,1-Trichloroethane                 | 71556    | 1.27E-06                                     | 1.27E-06                                     |
| TR1                | Trough 1      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 7.16E-07                                     | 7.16E-07                                     |
| TR1                | Trough 1      | 1,1,2-Trichloroethane                 | 79005    | 4.55E-11                                     | 4.55E-11                                     |
| TR1                | Trough 1      | 1,2,4-Trimethylbenzene                | 95636    | 1.09E-08                                     | 1.09E-08                                     |
| TR1                | Trough 1      | 1,2-Dichlorobenzene                   | 95501    | 7.85E-11                                     | 7.85E-11                                     |
| TR1                | Trough 1      | 1,3,5-Trimethylbenzene                | 108678   | 1.42E-09                                     | 1.42E-09                                     |
| TR1                | Trough 1      | 1,4-Dioxane                           | 123911   | 2.10E-08                                     | 2.10E-08                                     |
| TR1                | Trough 1      | 1-Methoxy-2-Propanol                  | 107982   | 6.40E-06                                     | 6.40E-06                                     |
| TR1                | Trough 1      | 2-Butoxyethanol acetate               | 112072   | 1.23E-11                                     | 1.23E-11                                     |
| TR1                | Trough 1      | 2-Ethoxyethyl acetate                 | 111159   | 2.04E-08                                     | 2.04E-08                                     |
| TR1                | Trough 1      | 2-Ethoxypropanol                      | 19089475 | 2.44E-07                                     | 2.44E-07                                     |
| TR1                | Trough 1      | 2-Heptanone                           | 110430   | 4.73E-09                                     | 4.73E-09                                     |
| TR1                | Trough 1      | 2-Methoxyethanol                      | 109864   | 4.11E-08                                     | 4.11E-08                                     |
| TR1                | Trough 1      | 2-Methyl-1-Propanol                   | 78831    | 5.74E-08                                     | 5.74E-08                                     |
| TR1                | Trough 1      | 2-Pentanone                           | 107879   | 2.64E-06                                     | 2.64E-06                                     |
| TR1                | Trough 1      | 2-Pyrrolidone                         | 616455   | 1.24E-09                                     | 1.24E-09                                     |
| TR1                | Trough 1      | 4-Hydroxy-4-Methyl-2-Pentanone        | 123422   | 1.63E-11                                     | 1.63E-11                                     |
| TR1                | Trough 1      | Acetic acid                           | 64197    | 3.10E-07                                     | 3.10E-07                                     |
| TR1                | Trough 1      | Acetone                               | 67641    | 2.52E-04                                     | 2.52E-04                                     |
| TR1                | Trough 1      | Acetonitrile                          | 75058    | 7.64E-06                                     | 7.64E-06                                     |
| TR1                | Trough 1      | Alcohols                              | 67630    | 3.99E-05                                     | 3.99E-05                                     |
| TR1                | Trough 1      | Amyl Acetate                          | 628637   | 4.69E-08                                     | 4.69E-08                                     |
| TR1                | Trough 1      | Benzene                               | 71432    | 2.23E-06                                     | 2.23E-06                                     |
| TR1                | Trough 1      | Biocide (as Acrolein)                 | 107028   | 6.34E-09                                     | 6.34E-09                                     |
| TR1                | Trough 1      | Brominated Bisphenol                  | 79947    | 3.96E-19                                     | 3.96E-19                                     |
| TR1                | Trough 1      | Butyl Acetate                         | 123864   | 2.29E-06                                     | 2.29E-06                                     |
| TR1                | Trough 1      | Carbon Tetrachloride                  | 56235    | 6.77E-10                                     | 6.77E-10                                     |
| TR1                | Trough 1      | Chlorobenzene                         | 108907   | 1.34E-09                                     | 1.34E-09                                     |
| TR1                | Trough 1      | Chloroform                            | 67663    | 7.51E-07                                     | 7.51E-07                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------|---------------------------------------|----------|--|--|
| TR1                | Trough 1    | Cresol                                | 1319773  | 3.44E-11                                     | 3.44E-11                                     |
| TR1                | Trough 1    | Cyclohexane                           | 110827   | 9.84E-06                                     | 9.84E-06                                     |
| TR1                | Trough 1    | Cyclohexanone                         | 108941   | 1.32E-07                                     | 1.32E-07                                     |
| TR1                | Trough 1    | Dibutyl Phthalate                     | 84742    | 4.39E-17                                     | 4.39E-17                                     |
| TR1                | Trough 1    | Diesel Fuel                           | 68476346 | 4.21E-07                                     | 4.21E-07                                     |
| TR1                | Trough 1    | Diethylene Glycol                     | 111466   | 7.44E-10                                     | 7.44E-10                                     |
| TR1                | Trough 1    | Diethylene Glycol Butyl Ether         | 112345   | 2.82E-10                                     | 2.82E-10                                     |
| TR1                | Trough 1    | Diethylenetriamine                    | 111400   | 7.88E-11                                     | 7.88E-11                                     |
| TR1                | Trough 1    | Dimethylformamide                     | 68122    | 8.17E-08                                     | 8.17E-08                                     |
| TR1                | Trough 1    | Ethanol                               | 64175    | 9.60E-06                                     | 9.60E-06                                     |
| TR1                | Trough 1    | Ethyl Acetate                         | 141786   | 4.05E-06                                     | 4.05E-06                                     |
| TR1                | Trough 1    | Ethyl Benzene                         | 100414   | 1.11E-07                                     | 1.11E-07                                     |
| TR1                | Trough 1    | Ethyl Lactate                         | 687478   | 1.38E-06                                     | 1.38E-06                                     |
| TR1                | Trough 1    | Ethyl-3-Ethoxypropionate              | 763699   | 6.26E-09                                     | 6.26E-09                                     |
| TR1                | Trough 1    | Ethylene Glycol                       | 107211   | 3.48E-07                                     | 3.48E-07                                     |
| TR1                | Trough 1    | Ferric Chloride                       | 7705080  | 2.40E-08                                     | 2.40E-08                                     |
| TR1                | Trough 1    | Formic Acid                           | 64186    | 4.75E-11                                     | 4.75E-11                                     |
| TR1                | Trough 1    | Gasoline                              | 8006619  | 3.05E-04                                     | 3.05E-04                                     |
| TR1                | Trough 1    | Glycerin                              | 56815    | 2.11E-16                                     | 2.11E-16                                     |
| TR1                | Trough 1    | Heptane                               | 142825   | 3.93E-07                                     | 3.93E-07                                     |
| TR1                | Trough 1    | Hexamethyldisilazane                  | 999973   | 7.55E-08                                     | 7.55E-08                                     |
| TR1                | Trough 1    | Hexane                                | 110543   | 1.62E-06                                     | 1.62E-06                                     |
| TR1                | Trough 1    | Hydrochloric Acid                     | 7647010  | 1.76E-10                                     | 1.76E-10                                     |
| TR1                | Trough 1    | Hydrofluoric Acid                     | 7664393  | 1.27E-07                                     | 1.27E-07                                     |
| TR1                | Trough 1    | isobutyl acetate                      | 110190   | 1.17E-08                                     | 1.17E-08                                     |
| TR1                | Trough 1    | Isobutyl Isobutyrate                  | 97858    | 1.00E-11                                     | 1.00E-11                                     |
| TR1                | Trough 1    | Isoparaffinic Hydrocarbons            | 64771728 | 9.25E-07                                     | 9.25E-07                                     |
| TR1                | Trough 1    | Isopropanolamine                      | 78966    | 1.50E-09                                     | 1.50E-09                                     |
| TR1                | Trough 1    | Isopropyl Acetate                     | 108214   | 1.68E-07                                     | 1.68E-07                                     |
| TR1                | Trough 1    | Jet Fuel/Kerosene                     | 8008206  | 5.93E-07                                     | 5.93E-07                                     |
| TR1                | Trough 1    | Methanol                              | 67561    | 3.09E-05                                     | 3.09E-05                                     |
| TR1                | Trough 1    | Methyl Ethyl Ketone                   | 78933    | 4.39E-05                                     | 4.39E-05                                     |
| TR1                | Trough 1    | Methyl Isobutyl Ketone                | 108101   | 7.73E-07                                     | 7.73E-07                                     |
| TR1                | Trough 1    | Methylene Chloride                    | 75092    | 7.68E-05                                     | 7.68E-05                                     |
| TR1                | Trough 1    | Mineral Oil                           | 8012951  | 1.26E-06                                     | 1.26E-06                                     |
| TR1                | Trough 1    | Naphtha                               | 8030306  | 5.30E-05                                     | 5.30E-05                                     |
| TR1                | Trough 1    | Naphthalene                           | 91203    | 2.53E-10                                     | 2.53E-10                                     |
| TR1                | Trough 1    | n-Butanol                             | 71363    | 7.50E-07                                     | 7.50E-07                                     |
| TR1                | Trough 1    | n-Butyl Cellosolve                    | 111762   | 7.54E-08                                     | 7.54E-08                                     |
| TR1                | Trough 1    | Nitric Acid                           | 7697372  | 5.48E-10                                     | 5.48E-10                                     |
| TR1                | Trough 1    | n-Methyl-2-Pyrrolidone                | 872504   | 1.63E-06                                     | 1.63E-06                                     |
| TR1                | Trough 1    | n-Propyl Acetate                      | 109604   | 2.03E-07                                     | 2.03E-07                                     |
| TR1                | Trough 1    | Petroleum Oil Products                | 8002059  | 3.90E-08                                     | 3.90E-08                                     |
| TR1                | Trough 1    | Phenol                                | 108952   | 4.73E-09                                     | 4.73E-09                                     |
| TR1                | Trough 1    | Phenylmercuric acetate                | 62384    | 7.89E-18                                     | 7.89E-18                                     |
| TR1                | Trough 1    | Phosphoric Acid                       | 7664382  | 3.84E-10                                     | 3.84E-10                                     |
| TR1                | Trough 1    | Polydimethyl Siloxane                 | 63148629 | 1.14E-10                                     | 1.14E-10                                     |
| TR1                | Trough 1    | Propylene Glycol Methyl Ether Acetate | 108656   | 3.23E-07                                     | 3.23E-07                                     |
| TR1                | Trough 1    | Propylene Oxide                       | 75569    | 1.57E-07                                     | 1.57E-07                                     |
| TR1                | Trough 1    | Pyridine                              | 110861   | 2.22E-08                                     | 2.22E-08                                     |
| TR1                | Trough 1    | Stoddard Solvent                      | 8052413  | 3.86E-05                                     | 3.86E-05                                     |
| TR1                | Trough 1    | Styrene                               | 100425   | 1.05E-07                                     | 1.05E-07                                     |
| TR1                | Trough 1    | Sulfolane                             | 126330   | 6.45E-08                                     | 6.45E-08                                     |
| TR1                | Trough 1    | Sulfuric Acid                         | 7664939  | 7.83E-13                                     | 7.83E-13                                     |
| TR1                | Trough 1    | Tetrachloroethylene                   | 127184   | 2.70E-06                                     | 2.70E-06                                     |
| TR1                | Trough 1    | Tetraethyl Orthosilicate              | 78104    | 2.92E-08                                     | 2.92E-08                                     |
| TR1                | Trough 1    | Tetrahydrofuran                       | 109999   | 1.35E-06                                     | 1.35E-06                                     |
| TR1                | Trough 1    | Toluene                               | 108883   | 2.79E-05                                     | 2.79E-05                                     |
| TR1                | Trough 1    | Trichloroethylene                     | 79016    | 6.30E-06                                     | 6.30E-06                                     |
| TR1                | Trough 1    | Triethylenetetramine                  | 112243   | 3.39E-12                                     | 3.39E-12                                     |
| TR1                | Trough 1    | Xylenes                               | 1330207  | 4.05E-06                                     | 4.05E-06                                     |
| TR2                | Trough 2    | 1,1,1-Trichloroethane                 | 71556    | 6.12E-07                                     | 6.12E-07                                     |
| TR2                | Trough 2    | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 3.45E-07                                     | 3.45E-07                                     |
| TR2                | Trough 2    | 1,1,2-Trichloroethane                 | 79005    | 2.20E-11                                     | 2.20E-11                                     |
| TR2                | Trough 2    | 1,2,4-Trimethylbenzene                | 95636    | 5.25E-09                                     | 5.25E-09                                     |
| TR2                | Trough 2    | 1,2-Dichlorobenzene                   | 95501    | 3.78E-11                                     | 3.78E-11                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                       | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------|--------------------------------|----------|--|--|
| TR2                | Trough 2    | 1,3,5-Trimethylbenzene         | 108678   | 6.84E-10                                     | 6.84E-10                                     |
| TR2                | Trough 2    | 1,4-Dioxane                    | 123911   | 1.01E-08                                     | 1.01E-08                                     |
| TR2                | Trough 2    | 1-Methoxy-2-Propanol           | 107982   | 3.09E-06                                     | 3.09E-06                                     |
| TR2                | Trough 2    | 2-Butoxyethanol acetate        | 112072   | 5.95E-12                                     | 5.95E-12                                     |
| TR2                | Trough 2    | 2-Ethoxyethyl acetate          | 111159   | 9.82E-09                                     | 9.82E-09                                     |
| TR2                | Trough 2    | 2-Ethoxypropanol               | 19089475 | 1.18E-07                                     | 1.18E-07                                     |
| TR2                | Trough 2    | 2-Heptanone                    | 110430   | 2.28E-09                                     | 2.28E-09                                     |
| TR2                | Trough 2    | 2-Methoxyethanol               | 109864   | 1.98E-08                                     | 1.98E-08                                     |
| TR2                | Trough 2    | 2-Methyl-1-Propanol            | 78831    | 2.77E-08                                     | 2.77E-08                                     |
| TR2                | Trough 2    | 2-Pentanonone                  | 107879   | 1.27E-06                                     | 1.27E-06                                     |
| TR2                | Trough 2    | 2-Pyrrolidone                  | 616455   | 5.97E-10                                     | 5.97E-10                                     |
| TR2                | Trough 2    | 4-Hydroxy-4-Methyl-2-Pentanone | 123422   | 7.88E-12                                     | 7.88E-12                                     |
| TR2                | Trough 2    | Acetic acid                    | 64197    | 1.49E-07                                     | 1.49E-07                                     |
| TR2                | Trough 2    | Acetone                        | 67641    | 1.22E-04                                     | 1.22E-04                                     |
| TR2                | Trough 2    | Acetonitrile                   | 75058    | 3.68E-06                                     | 3.68E-06                                     |
| TR2                | Trough 2    | Alcohols                       | 67630    | 1.92E-05                                     | 1.92E-05                                     |
| TR2                | Trough 2    | Amyl Acetate                   | 628637   | 2.26E-08                                     | 2.26E-08                                     |
| TR2                | Trough 2    | Benzene                        | 71432    | 1.08E-06                                     | 1.08E-06                                     |
| TR2                | Trough 2    | Biocide (as Acrolein)          | 107028   | 3.06E-09                                     | 3.06E-09                                     |
| TR2                | Trough 2    | Brominated Bisphenol           | 79947    | 1.91E-19                                     | 1.91E-19                                     |
| TR2                | Trough 2    | Butyl Acetate                  | 123864   | 1.10E-06                                     | 1.10E-06                                     |
| TR2                | Trough 2    | Carbon Tetrachloride           | 56235    | 3.26E-10                                     | 3.26E-10                                     |
| TR2                | Trough 2    | Chlorobenzene                  | 108907   | 6.44E-10                                     | 6.44E-10                                     |
| TR2                | Trough 2    | Chloroform                     | 67663    | 3.62E-07                                     | 3.62E-07                                     |
| TR2                | Trough 2    | Cresol                         | 1319773  | 1.66E-11                                     | 1.66E-11                                     |
| TR2                | Trough 2    | Cyclohexane                    | 110827   | 4.75E-06                                     | 4.75E-06                                     |
| TR2                | Trough 2    | Cyclohexanone                  | 108941   | 6.36E-08                                     | 6.36E-08                                     |
| TR2                | Trough 2    | Dibutyl Phthalate              | 84742    | 2.12E-17                                     | 2.12E-17                                     |
| TR2                | Trough 2    | Diesel Fuel                    | 68476346 | 2.03E-07                                     | 2.03E-07                                     |
| TR2                | Trough 2    | Diethylene Glycol              | 111466   | 3.59E-10                                     | 3.59E-10                                     |
| TR2                | Trough 2    | Diethylene Glycol Butyl Ether  | 112345   | 1.36E-10                                     | 1.36E-10                                     |
| TR2                | Trough 2    | Diethylenetriamine             | 111400   | 3.80E-11                                     | 3.80E-11                                     |
| TR2                | Trough 2    | Dimethylformamide              | 68122    | 3.94E-08                                     | 3.94E-08                                     |
| TR2                | Trough 2    | Ethanol                        | 64175    | 4.63E-06                                     | 4.63E-06                                     |
| TR2                | Trough 2    | Ethyl Acetate                  | 141786   | 1.95E-06                                     | 1.95E-06                                     |
| TR2                | Trough 2    | Ethyl Benzene                  | 100414   | 5.37E-08                                     | 5.37E-08                                     |
| TR2                | Trough 2    | Ethyl Lactate                  | 687478   | 6.66E-07                                     | 6.66E-07                                     |
| TR2                | Trough 2    | Ethyl-3-Ethoxypropionate       | 763699   | 3.02E-09                                     | 3.02E-09                                     |
| TR2                | Trough 2    | Ethylene Glycol                | 107211   | 1.68E-07                                     | 1.68E-07                                     |
| TR2                | Trough 2    | Ferric Chloride                | 7705080  | 1.16E-08                                     | 1.16E-08                                     |
| TR2                | Trough 2    | Formic Acid                    | 64186    | 2.29E-11                                     | 2.29E-11                                     |
| TR2                | Trough 2    | Gasoline                       | 8006619  | 1.47E-04                                     | 1.47E-04                                     |
| TR2                | Trough 2    | Glycerin                       | 56815    | 1.02E-16                                     | 1.02E-16                                     |
| TR2                | Trough 2    | Heptane                        | 142825   | 1.89E-07                                     | 1.89E-07                                     |
| TR2                | Trough 2    | Hexamethyldisilazane           | 999973   | 3.64E-08                                     | 3.64E-08                                     |
| TR2                | Trough 2    | Hexane                         | 110543   | 7.83E-07                                     | 7.83E-07                                     |
| TR2                | Trough 2    | Hydrochloric Acid              | 7647010  | 8.51E-11                                     | 8.51E-11                                     |
| TR2                | Trough 2    | Hydrofluoric Acid              | 7664393  | 6.10E-08                                     | 6.10E-08                                     |
| TR2                | Trough 2    | isobutyl acetate               | 110190   | 5.64E-09                                     | 5.64E-09                                     |
| TR2                | Trough 2    | Isobutyl Isobutyrate           | 97858    | 4.83E-12                                     | 4.83E-12                                     |
| TR2                | Trough 2    | Isoparaffinic Hydrocarbons     | 64771728 | 4.46E-07                                     | 4.46E-07                                     |
| TR2                | Trough 2    | Isopropanolamine               | 78966    | 7.25E-10                                     | 7.25E-10                                     |
| TR2                | Trough 2    | Isopropyl Acetate              | 108214   | 8.08E-08                                     | 8.08E-08                                     |
| TR2                | Trough 2    | Jet Fuel/Kerosene              | 8008206  | 2.86E-07                                     | 2.86E-07                                     |
| TR2                | Trough 2    | Methanol                       | 67561    | 1.49E-05                                     | 1.49E-05                                     |
| TR2                | Trough 2    | Methyl Ethyl Ketone            | 78933    | 2.12E-05                                     | 2.12E-05                                     |
| TR2                | Trough 2    | Methyl Isobutyl Ketone         | 108101   | 3.72E-07                                     | 3.72E-07                                     |
| TR2                | Trough 2    | Methylene Chloride             | 75092    | 3.70E-05                                     | 3.70E-05                                     |
| TR2                | Trough 2    | Mineral Oil                    | 8012951  | 6.09E-07                                     | 6.09E-07                                     |
| TR2                | Trough 2    | Naphtha                        | 8030306  | 2.56E-05                                     | 2.56E-05                                     |
| TR2                | Trough 2    | Naphthalene                    | 91203    | 1.22E-10                                     | 1.22E-10                                     |
| TR2                | Trough 2    | n-Butanol                      | 71363    | 3.62E-07                                     | 3.62E-07                                     |
| TR2                | Trough 2    | n-Butyl Cellosolve             | 111762   | 3.63E-08                                     | 3.63E-08                                     |
| TR2                | Trough 2    | Nitric Acid                    | 7697372  | 2.64E-10                                     | 2.64E-10                                     |
| TR2                | Trough 2    | n-Methyl-2-Pyrrolidone         | 872504   | 7.87E-07                                     | 7.87E-07                                     |
| TR2                | Trough 2    | n-Propyl Acetate               | 109604   | 9.80E-08                                     | 9.80E-08                                     |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                              | CAS No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------|---------------------------------------|----------|--|--|
| TR2                | Trough 2    | Petroleum Oil Products                | 8002059  | 1.88E-08                                     | 1.88E-08                                     |
| TR2                | Trough 2    | Phenol                                | 108952   | 2.28E-09                                     | 2.28E-09                                     |
| TR2                | Trough 2    | Phenylmercuric acetate                | 62384    | 3.80E-18                                     | 3.80E-18                                     |
| TR2                | Trough 2    | Phosphoric Acid                       | 7664382  | 1.85E-10                                     | 1.85E-10                                     |
| TR2                | Trough 2    | Polydimethyl Siloxane                 | 63148629 | 5.51E-11                                     | 5.51E-11                                     |
| TR2                | Trough 2    | Propylene Glycol Methyl Ether Acetate | 108656   | 1.56E-07                                     | 1.56E-07                                     |
| TR2                | Trough 2    | Propylene Oxide                       | 75569    | 7.59E-08                                     | 7.59E-08                                     |
| TR2                | Trough 2    | Pyridine                              | 110861   | 1.07E-08                                     | 1.07E-08                                     |
| TR2                | Trough 2    | Stoddard Solvent                      | 8052413  | 1.86E-05                                     | 1.86E-05                                     |
| TR2                | Trough 2    | Styrene                               | 100425   | 5.05E-08                                     | 5.05E-08                                     |
| TR2                | Trough 2    | Sulfolane                             | 126330   | 3.11E-08                                     | 3.11E-08                                     |
| TR2                | Trough 2    | Sulfuric Acid                         | 7664939  | 3.77E-13                                     | 3.77E-13                                     |
| TR2                | Trough 2    | Tetrachloroethylene                   | 127184   | 1.30E-06                                     | 1.30E-06                                     |
| TR2                | Trough 2    | Tetraethyl Orthosilicate              | 78104    | 1.41E-08                                     | 1.41E-08                                     |
| TR2                | Trough 2    | Tetrahydrofuran                       | 109999   | 6.51E-07                                     | 6.51E-07                                     |
| TR2                | Trough 2    | Toluene                               | 108883   | 1.35E-05                                     | 1.35E-05                                     |
| TR2                | Trough 2    | Trichloroethylene                     | 79016    | 3.04E-06                                     | 3.04E-06                                     |
| TR2                | Trough 2    | Triethylenetetramine                  | 112243   | 1.63E-12                                     | 1.63E-12                                     |
| TR2                | Trough 2    | Xylenes                               | 1330207  | 1.95E-06                                     | 1.95E-06                                     |
| TR3                | Trough 3    | 1,1,1-Trichloroethane                 | 71556    | 8.10E-08                                     | 8.10E-08                                     |
| TR3                | Trough 3    | 1,2,4-Trimethylbenzene                | 95636    | 3.60E-09                                     | 3.60E-09                                     |
| TR3                | Trough 3    | 1,2-Dichlorobenzene                   | 95501    | 2.27E-11                                     | 2.27E-11                                     |
| TR3                | Trough 3    | 1-Methoxy-2-Propanol                  | 107982   | 4.04E-08                                     | 4.04E-08                                     |
| TR3                | Trough 3    | 2-Heptanone                           | 110430   | 5.98E-10                                     | 5.98E-10                                     |
| TR3                | Trough 3    | 2-Methoxyethanol                      | 109864   | 7.15E-10                                     | 7.15E-10                                     |
| TR3                | Trough 3    | 2-Methyl-1-Propanol                   | 78831    | 1.90E-08                                     | 1.90E-08                                     |
| TR3                | Trough 3    | 2-Pyrrolidone                         | 616455   | 4.10E-10                                     | 4.10E-10                                     |
| TR3                | Trough 3    | Acetic acid                           | 64197    | 9.53E-08                                     | 9.53E-08                                     |
| TR3                | Trough 3    | Acetone                               | 67641    | 1.21E-05                                     | 1.21E-05                                     |
| TR3                | Trough 3    | Acetonitrile                          | 75058    | 6.35E-07                                     | 6.35E-07                                     |
| TR3                | Trough 3    | Alcohols                              | 67630    | 3.38E-06                                     | 3.38E-06                                     |
| TR3                | Trough 3    | Benzene                               | 71432    | 3.29E-07                                     | 3.29E-07                                     |
| TR3                | Trough 3    | Biocide (as Acrolein)                 | 107028   | 2.10E-09                                     | 2.10E-09                                     |
| TR3                | Trough 3    | Butyl Acetate                         | 123864   | 9.55E-08                                     | 9.55E-08                                     |
| TR3                | Trough 3    | Chlorobenzene                         | 108907   | 2.75E-10                                     | 2.75E-10                                     |
| TR3                | Trough 3    | Chloroform                            | 67663    | 9.89E-08                                     | 9.89E-08                                     |
| TR3                | Trough 3    | Cresol                                | 1319773  | 7.91E-12                                     | 7.91E-12                                     |
| TR3                | Trough 3    | Cyclohexane                           | 110827   | 3.16E-06                                     | 3.16E-06                                     |
| TR3                | Trough 3    | Cyclohexanone                         | 108941   | 2.48E-08                                     | 2.48E-08                                     |
| TR3                | Trough 3    | Diesel Fuel                           | 68476346 | 1.26E-07                                     | 1.26E-07                                     |
| TR3                | Trough 3    | Diethylene Glycol                     | 111466   | 1.61E-10                                     | 1.61E-10                                     |
| TR3                | Trough 3    | Diethylene Glycol Butyl Ether         | 112345   | 7.75E-11                                     | 7.75E-11                                     |
| TR3                | Trough 3    | Diethylenetriamine                    | 111400   | 2.61E-11                                     | 2.61E-11                                     |
| TR3                | Trough 3    | Dimethylformamide                     | 68122    | 1.82E-09                                     | 1.82E-09                                     |
| TR3                | Trough 3    | Ethanol                               | 64175    | 1.44E-06                                     | 1.44E-06                                     |
| TR3                | Trough 3    | Ethyl Acetate                         | 141786   | 5.01E-07                                     | 5.01E-07                                     |
| TR3                | Trough 3    | Ethyl Benzene                         | 100414   | 2.17E-08                                     | 2.17E-08                                     |
| TR3                | Trough 3    | Ethyl Lactate                         | 687478   | 2.06E-08                                     | 2.06E-08                                     |
| TR3                | Trough 3    | Ethylene Glycol                       | 107211   | 2.92E-07                                     | 2.92E-07                                     |
| TR3                | Trough 3    | Ferric Chloride                       | 7705080  | 7.22E-09                                     | 7.22E-09                                     |
| TR3                | Trough 3    | Gasoline                              | 8006619  | 9.30E-05                                     | 9.30E-05                                     |
| TR3                | Trough 3    | Glycerin                              | 56815    | 5.64E-17                                     | 5.64E-17                                     |
| TR3                | Trough 3    | Heptane                               | 142825   | 5.25E-08                                     | 5.25E-08                                     |
| TR3                | Trough 3    | Hexane                                | 110543   | 8.44E-08                                     | 8.44E-08                                     |
| TR3                | Trough 3    | Hydrochloric Acid                     | 7647010  | 5.70E-11                                     | 5.70E-11                                     |
| TR3                | Trough 3    | Hydrofluoric Acid                     | 7664393  | 3.95E-08                                     | 3.95E-08                                     |
| TR3                | Trough 3    | Isoparaffinic Hydrocarbons            | 64771728 | 9.88E-08                                     | 9.88E-08                                     |
| TR3                | Trough 3    | Isopropyl Acetate                     | 108214   | 5.41E-08                                     | 5.41E-08                                     |
| TR3                | Trough 3    | Jet Fuel/Kerosene                     | 8008206  | 1.81E-07                                     | 1.81E-07                                     |
| TR3                | Trough 3    | Methanol                              | 67561    | 1.45E-06                                     | 1.45E-06                                     |
| TR3                | Trough 3    | Methyl Ethyl Ketone                   | 78933    | 6.96E-07                                     | 6.96E-07                                     |
| TR3                | Trough 3    | Methyl Isobutyl Ketone                | 108101   | 2.07E-08                                     | 2.07E-08                                     |
| TR3                | Trough 3    | Methylene Chloride                    | 75092    | 1.58E-05                                     | 1.58E-05                                     |
| TR3                | Trough 3    | Naphtha                               | 8030306  | 4.77E-06                                     | 4.77E-06                                     |
| TR3                | Trough 3    | Naphthalene                           | 91203    | 6.63E-11                                     | 6.63E-11                                     |
| TR3                | Trough 3    | n-Butanol                             | 71363    | 3.87E-09                                     | 3.87E-09                                     |



**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                              | CAS_No   | Emission Rates (grams/second) Annual Average | Emission Rates (grams/second) Maximum Hourly |
|--------------------|-------------|---------------------------------------|----------|--|--|
| TR3                | Trough 3    | n-Butyl Cellosolve                    | 111762   | 7.29E-11                                     | 7.29E-11                                     |
| TR3                | Trough 3    | Nitric Acid                           | 7697372  | 1.65E-10                                     | 1.65E-10                                     |
| TR3                | Trough 3    | n-Methyl-2-Pyrrolidone                | 872504   | 3.42E-07                                     | 3.42E-07                                     |
| TR3                | Trough 3    | n-Propyl Acetate                      | 109604   | 4.14E-08                                     | 4.14E-08                                     |
| TR3                | Trough 3    | Petroleum Oil Products                | 8002059  | 1.11E-08                                     | 1.11E-08                                     |
| TR3                | Trough 3    | Phenol                                | 108952   | 1.54E-09                                     | 1.54E-09                                     |
| TR3                | Trough 3    | Phenylmercuric acetate                | 62384    | 2.61E-18                                     | 2.61E-18                                     |
| TR3                | Trough 3    | Phosphoric Acid                       | 7664382  | 1.27E-10                                     | 1.27E-10                                     |
| TR3                | Trough 3    | Polydimethyl Siloxane                 | 63148629 | 1.68E-12                                     | 1.68E-12                                     |
| TR3                | Trough 3    | Propylene Glycol Methyl Ether Acetate | 108656   | 2.23E-08                                     | 2.23E-08                                     |
| TR3                | Trough 3    | Pyridine                              | 110861   | 3.04E-09                                     | 3.04E-09                                     |
| TR3                | Trough 3    | Stoddard Solvent                      | 8052413  | 9.55E-05                                     | 9.55E-05                                     |
| TR3                | Trough 3    | Styrene                               | 100425   | 2.47E-08                                     | 2.47E-08                                     |
| TR3                | Trough 3    | Sulfolane                             | 126330   | 1.29E-08                                     | 1.29E-08                                     |
| TR3                | Trough 3    | Sulfuric Acid                         | 7664939  | 2.35E-13                                     | 2.35E-13                                     |
| TR3                | Trough 3    | Tetrachloroethylene                   | 127184   | 4.33E-07                                     | 4.33E-07                                     |
| TR3                | Trough 3    | Tetraethyl Orthosilicate              | 78104    | 4.83E-09                                     | 4.83E-09                                     |
| TR3                | Trough 3    | Tetrahydrofuran                       | 109999   | 4.18E-09                                     | 4.18E-09                                     |
| TR3                | Trough 3    | Toluene                               | 108883   | 1.98E-07                                     | 1.98E-07                                     |
| TR3                | Trough 3    | Trichloroethylene                     | 79016    | 1.13E-07                                     | 1.13E-07                                     |
| TR3                | Trough 3    | Xylenes                               | 1330207  | 1.00E-07                                     | 1.00E-07                                     |
| TR4                | Trough 4    | 1,1,1-Trichloroethane                 | 71556    | 9.41E-07                                     | 9.41E-07                                     |
| TR4                | Trough 4    | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 2.20E-06                                     | 2.20E-06                                     |
| TR4                | Trough 4    | 1,2,4-Trimethylbenzene                | 95636    | 9.91E-09                                     | 9.91E-09                                     |
| TR4                | Trough 4    | 1,2-Dichlorobenzene                   | 95501    | 6.24E-11                                     | 6.24E-11                                     |
| TR4                | Trough 4    | 1-Methoxy-2-Propanol                  | 107982   | 3.84E-07                                     | 3.84E-07                                     |
| TR4                | Trough 4    | 2-Butoxyethanol acetate               | 112072   | 1.83E-11                                     | 1.83E-11                                     |
| TR4                | Trough 4    | 2-Ethoxyethyl acetate                 | 111159   | 6.36E-08                                     | 6.36E-08                                     |
| TR4                | Trough 4    | 2-Ethoxypropanol                      | 19089475 | 9.02E-07                                     | 9.02E-07                                     |
| TR4                | Trough 4    | 2-Heptanone                           | 110430   | 8.43E-09                                     | 8.43E-09                                     |
| TR4                | Trough 4    | 2-Methoxyethanol                      | 109864   | 1.97E-09                                     | 1.97E-09                                     |
| TR4                | Trough 4    | 2-Methyl-1-Propanol                   | 78831    | 5.22E-08                                     | 5.22E-08                                     |
| TR4                | Trough 4    | 2-Pentanol                            | 107879   | 4.40E-07                                     | 4.40E-07                                     |
| TR4                | Trough 4    | 2-Pyrrolidone                         | 616455   | 1.13E-09                                     | 1.13E-09                                     |
| TR4                | Trough 4    | Acetic acid                           | 64197    | 2.62E-07                                     | 2.62E-07                                     |
| TR4                | Trough 4    | Acetone                               | 67641    | 7.02E-05                                     | 7.02E-05                                     |
| TR4                | Trough 4    | Acetonitrile                          | 75058    | 1.83E-06                                     | 1.83E-06                                     |
| TR4                | Trough 4    | Alcohols                              | 67630    | 1.93E-05                                     | 1.93E-05                                     |
| TR4                | Trough 4    | Benzene                               | 71432    | 9.03E-07                                     | 9.03E-07                                     |
| TR4                | Trough 4    | Biocide (as Acrolein)                 | 107028   | 5.77E-09                                     | 5.77E-09                                     |
| TR4                | Trough 4    | Butyl Acetate                         | 123864   | 2.76E-07                                     | 2.76E-07                                     |
| TR4                | Trough 4    | Chlorobenzene                         | 108907   | 7.57E-10                                     | 7.57E-10                                     |
| TR4                | Trough 4    | Chloroform                            | 67663    | 3.32E-07                                     | 3.32E-07                                     |
| TR4                | Trough 4    | Cresol                                | 1319773  | 2.17E-11                                     | 2.17E-11                                     |
| TR4                | Trough 4    | Cyclohexane                           | 110827   | 8.69E-06                                     | 8.69E-06                                     |
| TR4                | Trough 4    | Cyclohexanone                         | 108941   | 1.39E-07                                     | 1.39E-07                                     |
| TR4                | Trough 4    | Dibutyl Phthalate                     | 84742    | 7.31E-17                                     | 7.31E-17                                     |
| TR4                | Trough 4    | Diesel Fuel                           | 68476346 | 3.45E-07                                     | 3.45E-07                                     |
| TR4                | Trough 4    | Diethylene Glycol                     | 111466   | 7.49E-09                                     | 7.49E-09                                     |
| TR4                | Trough 4    | Diethylene Glycol Butyl Ether         | 112345   | 4.63E-10                                     | 4.63E-10                                     |
| TR4                | Trough 4    | Diethylenetriamine                    | 111400   | 7.17E-11                                     | 7.17E-11                                     |
| TR4                | Trough 4    | Dimethylformamide                     | 68122    | 1.39E-08                                     | 1.39E-08                                     |
| TR4                | Trough 4    | Ethanol                               | 64175    | 4.18E-06                                     | 4.18E-06                                     |
| TR4                | Trough 4    | Ethyl Acetate                         | 141786   | 1.84E-06                                     | 1.84E-06                                     |
| TR4                | Trough 4    | Ethyl Benzene                         | 100414   | 6.55E-08                                     | 6.55E-08                                     |
| TR4                | Trough 4    | Ethyl Lactate                         | 687478   | 1.85E-06                                     | 1.85E-06                                     |
| TR4                | Trough 4    | Ethyl-3-Ethoxypropionate              | 763699   | 1.90E-08                                     | 1.90E-08                                     |
| TR4                | Trough 4    | Ethylene Glycol                       | 107211   | 1.19E-06                                     | 1.19E-06                                     |
| TR4                | Trough 4    | Ferric Chloride                       | 7705080  | 1.99E-08                                     | 1.99E-08                                     |
| TR4                | Trough 4    | Gasoline                              | 8006619  | 2.56E-04                                     | 2.56E-04                                     |
| TR4                | Trough 4    | Glycerin                              | 56815    | 1.55E-16                                     | 1.55E-16                                     |
| TR4                | Trough 4    | Heptane                               | 142825   | 1.72E-07                                     | 1.72E-07                                     |
| TR4                | Trough 4    | Hexamethyldisilazane                  | 999973   | 2.63E-07                                     | 2.63E-07                                     |
| TR4                | Trough 4    | Hexane                                | 110543   | 3.64E-07                                     | 3.64E-07                                     |
| TR4                | Trough 4    | Hydrochloric Acid                     | 7647010  | 1.57E-10                                     | 1.57E-10                                     |
| TR4                | Trough 4    | Hydrofluoric Acid                     | 7664393  | 1.26E-07                                     | 1.26E-07                                     |

**Table 6.4  
Modeled Source Emission Rates  
Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                              | CAS No   | Emission Rates (grams/second)<br>Annual Average | Emission Rates (grams/second)<br>Maximum Hourly |
|--------------------|-------------|---------------------------------------|----------|---|---|
| TR4                | Trough 4    | Isoparaffinic Hydrocarbons            | 64771728 | 2.72E-07  | 2.72E-07  |
| TR4                | Trough 4    | Isopropanolamine                      | 78966    | 5.56E-09  | 5.56E-09  |
| TR4                | Trough 4    | Isopropyl Acetate                     | 108214   | 1.51E-07  | 1.51E-07  |
| TR4                | Trough 4    | Jet Fuel/Kerosene                     | 8008206  | 4.96E-07  | 4.96E-07  |
| TR4                | Trough 4    | Methanol                              | 67561    | 4.67E-06  | 4.67E-06  |
| TR4                | Trough 4    | Methyl Ethyl Ketone                   | 78933    | 6.47E-06  | 6.47E-06  |
| TR4                | Trough 4    | Methyl Isobutyl Ketone                | 108101   | 9.06E-08  | 9.06E-08  |
| TR4                | Trough 4    | Methylene Chloride                    | 75092    | 5.78E-05  | 5.78E-05  |
| TR4                | Trough 4    | Naphtha                               | 8030306  | 2.96E-05  | 2.96E-05  |
| TR4                | Trough 4    | Naphthalene                           | 91203    | 1.82E-10  | 1.82E-10  |
| TR4                | Trough 4    | n-Butanol                             | 71363    | 4.07E-08  | 4.07E-08  |
| TR4                | Trough 4    | n-Butyl Cellosolve                    | 111762   | 3.85E-10  | 3.85E-10  |
| TR4                | Trough 4    | Nitric Acid                           | 7697372  | 4.54E-10  | 4.54E-10  |
| TR4                | Trough 4    | n-Methyl-2-Pyrrolidone                | 872504   | 3.52E-06  | 3.52E-06  |
| TR4                | Trough 4    | n-Propyl Acetate                      | 109604   | 2.71E-07  | 2.71E-07  |
| TR4                | Trough 4    | Petroleum Oil Products                | 8002059  | 3.11E-08  | 3.11E-08  |
| TR4                | Trough 4    | Phenol                                | 108952   | 4.25E-09  | 4.25E-09  |
| TR4                | Trough 4    | Phenylmercuric acetate                | 62384    | 7.18E-18  | 7.18E-18  |
| TR4                | Trough 4    | Phosphoric Acid                       | 7664382  | 3.50E-10  | 3.50E-10  |
| TR4                | Trough 4    | Polydimethyl Siloxane                 | 63148629 | 4.63E-12  | 4.63E-12  |
| TR4                | Trough 4    | Propylene Glycol Methyl Ether Acetate | 108656   | 1.63E-07  | 1.63E-07  |
| TR4                | Trough 4    | Pyridine                              | 110861   | 8.36E-09  | 8.36E-09  |
| TR4                | Trough 4    | Stoddard Solvent                      | 8052413  | 4.26E-05  | 4.26E-05  |
| TR4                | Trough 4    | Styrene                               | 100425   | 6.80E-08  | 6.80E-08  |
| TR4                | Trough 4    | Sulfolane                             | 126330   | 3.57E-08  | 3.57E-08  |
| TR4                | Trough 4    | Sulfuric Acid                         | 7664939  | 6.47E-13  | 6.47E-13  |
| TR4                | Trough 4    | Tetrachloroethylene                   | 127184   | 3.20E-06  | 3.20E-06  |
| TR4                | Trough 4    | Tetraethyl Orthosilicate              | 78104    | 1.34E-08  | 1.34E-08  |
| TR4                | Trough 4    | Tetrahydrofuran                       | 109999   | 1.29E-07  | 1.29E-07  |
| TR4                | Trough 4    | Toluene                               | 108883   | 1.21E-06  | 1.21E-06  |
| TR4                | Trough 4    | Trichloroethylene                     | 79016    | 2.46E-06  | 2.46E-06  |
| TR4                | Trough 4    | Triethylenetetramine                  | 112243   | 2.62E-13  | 2.62E-13  |
| TR4                | Trough 4    | Xylenes                               | 1330207  | 1.44E-06  | 1.44E-06  |
| TR5                | Trough 5    | 1,1,1-Trichloroethane                 | 71556    | 1.79E-09  | 1.79E-09  |
| TR5                | Trough 5    | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76131    | 6.55E-09  | 6.55E-09  |
| TR5                | Trough 5    | 1-Methoxy-2-Propanol                  | 107982   | 6.77E-10  | 6.77E-10  |
| TR5                | Trough 5    | 2-Butoxyethanol acetate               | 112072   | 5.44E-14  | 5.44E-14  |
| TR5                | Trough 5    | 2-Ethoxyethyl acetate                 | 111159   | 1.89E-10  | 1.89E-10  |
| TR5                | Trough 5    | 2-Ethoxypropanol                      | 19089475 | 2.68E-09  | 2.68E-09  |
| TR5                | Trough 5    | 2-Heptanone                           | 110430   | 1.55E-11  | 1.55E-11  |
| TR5                | Trough 5    | 2-Pentanonone                         | 107879   | 1.07E-09  | 1.07E-09  |
| TR5                | Trough 5    | Acetone                               | 67641    | 9.32E-08  | 9.32E-08  |
| TR5                | Trough 5    | Acetonitrile                          | 75058    | 2.06E-10  | 2.06E-10  |
| TR5                | Trough 5    | Alcohols                              | 67630    | 2.36E-08  | 2.36E-08  |
| TR5                | Trough 5    | Butyl Acetate                         | 123864   | 3.28E-11  | 3.28E-11  |
| TR5                | Trough 5    | Chloroform                            | 67663    | 1.51E-10  | 1.51E-10  |
| TR5                | Trough 5    | Cyclohexanone                         | 108941   | 1.70E-10  | 1.70E-10  |
| TR5                | Trough 5    | Dibutyl Phthalate                     | 84742    | 1.01E-19  | 1.01E-19  |
| TR5                | Trough 5    | Diethylene Glycol                     | 111466   | 2.42E-12  | 2.42E-12  |
| TR5                | Trough 5    | Diethylene Glycol Butyl Ether         | 112345   | 4.67E-13  | 4.67E-13  |
| TR5                | Trough 5    | Dimethylformamide                     | 68122    | 2.04E-11  | 2.04E-11  |
| TR5                | Trough 5    | Ethanol                               | 64175    | 5.05E-10  | 5.05E-10  |
| TR5                | Trough 5    | Ethyl Acetate                         | 141786   | 1.15E-09  | 1.15E-09  |
| TR5                | Trough 5    | Ethyl Benzene                         | 100414   | 1.40E-11  | 1.40E-11  |
| TR5                | Trough 5    | Ethyl Lactate                         | 687478   | 5.33E-09  | 5.33E-09  |
| TR5                | Trough 5    | Ethyl-3-Ethoxypropionate              | 763699   | 5.64E-11  | 5.64E-11  |
| TR5                | Trough 5    | Ethylene Glycol                       | 107211   | 2.32E-06  | 2.32E-06  |
| TR5                | Trough 5    | Heptane                               | 142825   | 6.67E-11  | 6.67E-11  |
| TR5                | Trough 5    | Hexamethyldisilazane                  | 999973   | 7.82E-10  | 7.82E-10  |
| TR5                | Trough 5    | Hexane                                | 110543   | 3.33E-10  | 3.33E-10  |
| TR5                | Trough 5    | Hydrofluoric Acid                     | 7664393  | 5.23E-11  | 5.23E-11  |
| TR5                | Trough 5    | Isoparaffinic Hydrocarbons            | 64771728 | 1.53E-12  | 1.53E-12  |
| TR5                | Trough 5    | Isopropanolamine                      | 78966    | 1.66E-11  | 1.66E-11  |
| TR5                | Trough 5    | Isopropyl Acetate                     | 108214   | 4.64E-12  | 4.64E-12  |
| TR5                | Trough 5    | Methanol                              | 67561    | 1.68E-09  | 1.68E-09  |
| TR5                | Trough 5    | Methyl Ethyl Ketone                   | 78933    | 1.13E-08  | 1.13E-08  |

**Table 6.4**  
**Modeled Source Emission Rates**  
**Romic Facility - Chandler, Arizona**

| Modeling Source ID | Description | Chemical                              | CAS_No  | Emission Rates                   | Emission Rates                   |
|--------------------|-------------|---------------------------------------|---------|----------------------------------|----------------------------------|
|                    |             |                                       |         | (grams/second)<br>Annual Average | (grams/second)<br>Maximum Hourly |
| TR5                | Trough 5    | Methyl Isobutyl Ketone                | 108101  | 8.03E-11                         | 8.03E-11                         |
| TR5                | Trough 5    | Methylene Chloride                    | 75092   | 3.68E-08                         | 3.68E-08                         |
| TR5                | Trough 5    | Naphtha                               | 8030306 | 4.26E-08                         | 4.26E-08                         |
| TR5                | Trough 5    | n-Butanol                             | 71363   | 6.67E-11                         | 6.67E-11                         |
| TR5                | Trough 5    | n-Butyl Cellosolve                    | 111762  | 4.04E-13                         | 4.04E-13                         |
| TR5                | Trough 5    | n-Methyl-2-Pyrrolidone                | 872504  | 4.38E-09                         | 4.38E-09                         |
| TR5                | Trough 5    | n-Propyl Acetate                      | 109604  | 3.79E-10                         | 3.79E-10                         |
| TR5                | Trough 5    | Petroleum Oil Products                | 8002059 | 1.59E-12                         | 1.59E-12                         |
| TR5                | Trough 5    | Phenol                                | 108952  | 4.00E-14                         | 4.00E-14                         |
| TR5                | Trough 5    | Phosphoric Acid                       | 7664382 | 9.55E-16                         | 9.55E-16                         |
| TR5                | Trough 5    | Propylene Glycol Methyl Ether Acetate | 108656  | 3.03E-10                         | 3.03E-10                         |
| TR5                | Trough 5    | Stoddard Solvent                      | 8052413 | 1.04E-03                         | 1.04E-03                         |
| TR5                | Trough 5    | Sulfolane                             | 126330  | 1.13E-12                         | 1.13E-12                         |
| TR5                | Trough 5    | Tetrachloroethylene                   | 127184  | 4.86E-09                         | 4.86E-09                         |
| TR5                | Trough 5    | Tetraethyl Orthosilicate              | 78104   | 1.83E-13                         | 1.83E-13                         |
| TR5                | Trough 5    | Tetrahydrofuran                       | 109999  | 2.95E-10                         | 2.95E-10                         |
| TR5                | Trough 5    | Toluene                               | 108883  | 1.61E-09                         | 1.61E-09                         |
| TR5                | Trough 5    | Trichloroethylene                     | 79016   | 5.30E-09                         | 5.30E-09                         |
| TR5                | Trough 5    | Triethylenetetramine                  | 112243  | 7.81E-16                         | 7.81E-16                         |
| TR5                | Trough 5    | Xylenes                               | 1330207 | 2.78E-09                         | 2.78E-09                         |

**Table 6.5  
Summary of Modeled Building Parameters  
Romic Facility - Chandler, Arizona**

| <b>Building ID</b> | <b>Building</b>          | <b>Number of Tiers</b> | <b>Elevation<br/>(meter)</b> | <b>Number of Corners</b> | <b>Height<br/>(meter)</b> | <b>UTMx<br/>(meter)</b> | <b>UTMy<br/>(meter)</b> |
|--------------------|--------------------------|------------------------|------------------------------|--------------------------|---------------------------|-------------------------|-------------------------|
| DSB1               | Drum Storage Building #1 | 1                      | 353                          | 5                        | 7.62                      | 410780                  | 3683779                 |
|                    |                          |                        |                              |                          |                           | 410805                  | 3683779                 |
|                    |                          |                        |                              |                          |                           | 410830                  | 3683767                 |
|                    |                          |                        |                              |                          |                           | 410830                  | 3683748                 |
|                    |                          |                        |                              |                          |                           | 410780                  | 3683748                 |
| CANOPY             | Canopy                   | 1                      | 353                          | 4                        | 7.62                      | 410804                  | 3683748                 |
|                    |                          |                        |                              |                          |                           | 410830                  | 3683748                 |
|                    |                          |                        |                              |                          |                           | 410830                  | 3683729                 |
|                    |                          |                        |                              |                          |                           | 410804                  | 3683729                 |
| TNKC_D             | Tank Farms C and D       | 1                      | 353                          | 6                        | 9.14                      | 410804                  | 3683728                 |
|                    |                          |                        |                              |                          |                           | 410831                  | 3683728                 |
|                    |                          |                        |                              |                          |                           | 410831                  | 3683694                 |
|                    |                          |                        |                              |                          |                           | 410830                  | 3683693                 |
|                    |                          |                        |                              |                          |                           | 410805                  | 3683693                 |
| 410804             | 3683694                  |                        |                              |                          |                           |                         |                         |
| TNKA_B             | Tank Farms A and B       | 1                      | 353                          | 6                        | 7.62                      | 410780                  | 3683728                 |
|                    |                          |                        |                              |                          |                           | 410781                  | 3683729                 |
|                    |                          |                        |                              |                          |                           | 410791                  | 3683729                 |
|                    |                          |                        |                              |                          |                           | 410792                  | 3683728                 |
|                    |                          |                        |                              |                          |                           | 410792                  | 3683701                 |
| 410780             | 3683701                  |                        |                              |                          |                           |                         |                         |
| BOILER             | Boiler Area              | 1                      | 353                          | 4                        | 6.1                       | 410780                  | 3683701                 |
|                    |                          |                        |                              |                          |                           | 410792                  | 3683701                 |
|                    |                          |                        |                              |                          |                           | 410792                  | 3683693                 |
|                    |                          |                        |                              |                          |                           | 410780                  | 3683693                 |
| LAB                | Lab                      | 1                      | 353                          | 4                        | 3.05                      | 410780                  | 3683687                 |
|                    |                          |                        |                              |                          |                           | 410792                  | 3683687                 |
|                    |                          |                        |                              |                          |                           | 410792                  | 3683676                 |
|                    |                          |                        |                              |                          |                           | 410780                  | 3683676                 |

**Table 6.5  
Summary of Modeled Building Parameters  
Romic Facility - Chandler, Arizona**

| <b>Building ID</b> | <b>Building</b>                                  | <b>Number of Tiers</b> | <b>Elevation<br/>(meter)</b> | <b>Number of Corners</b> | <b>Height<br/>(meter)</b> | <b>UTMx<br/>(meter)</b> | <b>UTMy<br/>(meter)</b> |
|--------------------|--|------------------------|------------------------------|--------------------------|---------------------------|-------------------------|-------------------------|
| TANKEFG            | Tank Farms E, F, and G                           | 1                      | 353                          | 10                       | 9.14                      | 410844                  | 3683710                 |
|                    |  |                        |                              |                          |                           | 410845                  | 3683711                 |
|                    |  |                        |                              |                          |                           | 410863                  | 3683711                 |
|                    |  |                        |                              |                          |                           | 410864                  | 3683710                 |
|                    |  |                        |                              |                          |                           | 410864                  | 3683699                 |
|                    |  |                        |                              |                          |                           | 410866                  | 3683699                 |
|                    |  |                        |                              |                          |                           | 410866                  | 3683687                 |
|                    |  |                        |                              |                          |                           | 410857                  | 3683687                 |
|                    |  |                        |                              |                          |                           | 410857                  | 3683691                 |
|                    |  |                        |                              |                          |                           | 410844                  | 3683691                 |
| DSB2               | Drum Storage Building #2                         | 1                      | 353                          | 6                        | 7.62                      | 410844                  | 3683691                 |
|                    |  |                        |                              |                          |                           | 410857                  | 3683691                 |
|                    |  |                        |                              |                          |                           | 410857                  | 3683687                 |
|                    |  |                        |                              |                          |                           | 410866                  | 3683687                 |
|                    |  |                        |                              |                          |                           | 410866                  | 3683664                 |
| 410844             | 3683664  |                        |                              |                          |                           |                         |                         |
| OFFICE1            | Office Building #1/<br>Locker Room/<br>Lunchroom | 1                      | 353                          | 6                        | 3.05                      | 410808                  | 3683683                 |
|                    |  |                        |                              |                          |                           | 410811                  | 3683683                 |
|                    |  |                        |                              |                          |                           | 410811                  | 3683686                 |
|                    |  |                        |                              |                          |                           | 410829                  | 3683686                 |
|                    |  |                        |                              |                          |                           | 410829                  | 3683673                 |
| 410808             | 3683673  |                        |                              |                          |                           |                         |                         |
| OFFICE2            | Office Building #2                               | 1                      | 353                          | 4                        | 3.05                      | 410802                  | 3683683                 |
|                    |  |                        |                              |                          |                           | 410805                  | 3683683                 |
|                    |  |                        |                              |                          |                           | 410805                  | 3683674                 |
|                    |  |                        |                              |                          |                           | 410802                  | 3683674                 |
| OFFICE3            | Office Building #3                               | 1                      | 353                          | 4                        | 3.05                      | 410802                  | 3683671                 |
|                    |  |                        |                              |                          |                           | 410823                  | 3683671                 |
|                    |  |                        |                              |                          |                           | 410823                  | 3683666                 |
|                    |  |                        |                              |                          |                           | 410802                  | 3683666                 |

**Table 6.6**  
**On-Site Worker Monitoring Type and Activity - March 2/3, 2006**  
**Romic Facility - Chandler, Arizona**

| <b>Sample #/Type</b>            | <b>Task Description</b>            | <b>Group</b>  |
|---------------------------------|------------------------------------|---------------|
| REB06001 - Personal, TWA        | Distillation Operations - Personal | Bulk Handling |
| REB06002 - Personal, TWA        | Drum Sampling - Personal           | Drum Handling |
| REB06003 - Personal, TWA        | Consolidation - Personal           | Drum Handling |
| REB06004 - Personal, TWA        | Warehouse - Personal               | Drum Handling |
| REB06005 - Personal, TWA        | Floater - Personal                 | N/A           |
| REB06006 - Personal, TWA        | Fuel Pumping - Personal            | Bulk Handling |
| REB06007 - Personal, TWA        | Consolidation - Personal           | Drum Handling |
| REB06008 - Personal, TWA        | Consolidation - Personal           | Drum Handling |
| REB06009 - Area, TWA            | Area Sample - T7                   | N/A           |
| REB06010 (A&B) - Personal, STEL | Truck Sampling - Personal (STEL)   | Bulk Handling |
| REB06016 - N/A                  | Field Blank                        | N/A           |
| REB06017 - Personal, TWA        | Floater - Personal                 | N/A           |
| REB06018 - Personal, TWA        | Fuels/Wastewater - Personal        | Bulk Handling |
| REB06019 - Personal, TWA        | Consolidation - Personal           | Drum Handling |
| REB06020 - N/A                  | Field Blank                        | N/A           |
| REB06021 (A&B) - Personal, STEL | Truck Sampling - Personal (STEL)   | Bulk Handling |
| REB06022 (A&B) - Personal, TWA  | Field Blank                        | N/A           |

**Notes:**

N/A = Not applicable  
 STEL = Short term exposure limit  
 TWA = Time-weighted average

**Source:**

Letter to Romic Environmental Technologies Corp. from Robert Brown & Associates dated March 23, 2006.

**Table 6.7**  
**On-Site Worker Monitoring Results - March 2/3, 2006**  
**Romic Facility - Chandler, Arizona**

| <b>Sample #/Type</b>      | <b>Analyte</b>         | <b>Result (mg/m<sup>3</sup>)</b> |
|---------------------------|------------------------|----------------------------------|
| REB06001 - Personal , TWA | Methylene Chloride     | 4.5                              |
|                           | Acetone                | 8.0                              |
|                           | Toluene                | (a)                              |
|                           | Methyl Ethyl Ketone    | (a)                              |
|                           | Isopropyl Alcohol      | (a)                              |
|                           | Total HC (as n-Hexane) | 10.5 (a)                         |
| REB06002 - Personal, TWA  | Methylene Chloride     | 2.0                              |
|                           | Acetone                | 2.9                              |
|                           | Toluene                | (a)                              |
|                           | Methyl Ethyl Ketone    | (a)                              |
|                           | Isopropyl Alcohol      | (a)                              |
|                           | Total HC (as n-Hexane) | 5.4 (a)                          |
| REB06003 - Personal, TWA  | Methylene Chloride     | 2.4                              |
|                           | Acetone                | 170                              |
|                           | Toluene                | 19.0                             |
|                           | Methyl Ethyl Ketone    | 13.0                             |
|                           | Isopropyl Alcohol      | 35.7                             |
|                           | Total HC (as n-Hexane) | 28.0 (b)                         |
| REB06004 - Personal, TWA  | Methylene Chloride     | <1.4                             |
|                           | Acetone                | 1.2                              |
|                           | Toluene                | (a)                              |
|                           | Methyl Ethyl Ketone    | (a)                              |
|                           | Isopropyl Alcohol      | (a)                              |
|                           | Total HC (as n-Hexane) | 3.9 (a)                          |
| REB06005 - Personal, TWA  | Methylene Chloride     | <1.4                             |
|                           | Acetone                | 2.8                              |
|                           | Toluene                | (a)                              |
|                           | Methyl Ethyl Ketone    | (a)                              |
|                           | Isopropyl Alcohol      | (a)                              |
|                           | Total HC (as n-Hexane) | 6.3 (a)                          |
| REB06006 - Personal, TWA  | Methylene Chloride     | 13.1                             |
|                           | Acetone                | 143                              |
|                           | Toluene                | 33.3                             |
|                           | Methyl Ethyl Ketone    | 23.2                             |
|                           | Isopropyl Alcohol      | (c)                              |
|                           | Total HC (as n-Hexane) | 59.0 (c)                         |
| REB06007 - Personal, TWA  | Methylene Chloride     | <1.4                             |
|                           | Acetone                | 4.3                              |
|                           | Toluene                | (a)                              |
|                           | Methyl Ethyl Ketone    | (a)                              |
|                           | Isopropyl Alcohol      | (a)                              |
|                           | Total HC (as n-Hexane) | 8.6 (a)                          |
| REB06008 - Personal, TWA  | Methylene Chloride     | <1.4                             |
|                           | Acetone                | 4.8                              |
|                           | Toluene                | (a)                              |
|                           | Methyl Ethyl Ketone    | (a)                              |
|                           | Isopropyl Alcohol      | (a)                              |
|                           | Total HC (as n-Hexane) | 15.6 (a)                         |
| REB06009 - Area, TWA      | Methylene Chloride     | 10.2                             |
|                           | Acetone                | 213                              |
|                           | Toluene                | 60.4                             |
|                           | Methyl Ethyl Ketone    | 41.4                             |
|                           | Isopropyl Alcohol      | 53.9                             |
|                           | Total HC (as n-Hexane) | 95.3 (b)                         |

**Table 6.7**  
**On-Site Worker Monitoring Results - March 2/3, 2006**  
**Romic Facility - Chandler, Arizona**

| Sample #/Type                 | Analyte                | Result (mg/m <sup>3</sup> ) |
|-------------------------------|------------------------|-----------------------------|
| REB06016 - Field Blank        | Methylene Chloride     | <LOQ (0.022)                |
|                               | Acetone                | N/D                         |
|                               | Toluene                | N/D                         |
|                               | Methyl Ethyl Ketone    | N/D                         |
|                               | Isopropyl Alcohol      | N/D                         |
|                               | Total HC (as n-Hexane) | <LOQ (0.011)                |
| REB06017 - Personal, TWA      | Methylene Chloride     | <1.8                        |
|                               | Acetone                | 1.1                         |
|                               | Toluene                | (a)                         |
|                               | Methyl Ethyl Ketone    | (a)                         |
|                               | Isopropyl Alcohol      | (a)                         |
|                               | Total HC (as n-Hexane) | 2.0                         |
| REB06018 - Personal, TWA      | Methylene Chloride     | 1.9                         |
|                               | Acetone                | (d)                         |
|                               | Toluene                | (d)                         |
|                               | Methyl Ethyl Ketone    | (d)                         |
|                               | Isopropyl Alcohol      | (d)                         |
|                               | Total HC (as n-Hexane) | 3.7                         |
| REB06019 - Personal, TWA      | Methylene Chloride     | 3.9                         |
|                               | Acetone                | 355.0                       |
|                               | Toluene                | 3.3                         |
|                               | Methyl Ethyl Ketone    | <LOQ                        |
|                               | Isopropyl Alcohol      | 8.4                         |
|                               | Total HC (as n-Hexane) | 41.4                        |
| REB6010 (A) - Personal, STEL  | Methylene Chloride     | <4.4                        |
|                               | Total HC (as n-Hexane) | 9.8                         |
| REB6010 (B) - Personal, STEL  | Methanol               | <2.9                        |
| REB06021 (A) - Personal, STEL | Methylene Chloride     | <4.4                        |
|                               | Total HC (as n-Hexane) | <2.4                        |
| REB06021 (B) - Personal, STEL | Methanol               | <2.9                        |
| REB06022 (A) - Field Blank    | Methylene Chloride     | <LOQ (4.4)                  |
|                               | Total HC (as n-Hexane) | <LOQ (2.4)                  |
| REB06022 (B) - Field Blank    | Methanol               | <LOQ (2.9)                  |

**Notes:**

mg/m<sup>3</sup> = milligrams per cubic meter      LOQ = Limit of Quantification  
 STEL = Short term exposure limit      TWA = Time-weighted average  
 N/A = Not applicable  
 N/D = Not detected

- (a) Isopropyl alcohol, methyl ethyl ketone, toluene, xylenes, and naptha are present at or below limit of quantification levels.
- (b) Xylenes and naptha are present at or below limit of quantification levels.
- (c) Isopropyl alcohol, xylenes, and naptha are present at or below limit of quantification levels.
- (d) Acetone, isopropyl alcohol, methy ethyl ketone, toluene, xylenes, and naptha are present at or below limit of quantification levels.

**Source:**

Letter to Romic Environmental Technologies Corp. from Robert Brown & Associates dated March 23, 2006.



**Table 7.1**  
**Summary of Human Health Risk Results**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b>      | <b>Cancer Risk</b> | <b>Chronic HI</b> | <b>Acute HI</b> |
|---------------------------------|--------------------|-------------------|-----------------|
| Sensitive Receptor - RME        | 1.8E-07            | 0.0012            | ---             |
| Sensitive Receptor - AEI        | 4.1E-08            | 0.00087           | ---             |
| Off-Site Resident - RME         | 1.8E-07            | 0.0012            | ---             |
| Off-Site Resident - AEI         | 4.1E-08            | 0.00087           | ---             |
| Off-Site Worker (Shift 1) - RME | 1.8E-05            | 0.12              | 1.6             |
| Off-Site Worker (Shift 1) - AEI | 2.8E-06            | 0.071             | 1.6             |
| Off-Site Worker (Shift 2) - RME | 1.0E-05            | 0.092             | 1.0             |
| Off-Site Worker (Shift 2) - AEI | 1.6E-06            | 0.055             | 1.0             |
| Off-Site Worker (Shift 3) - RME | 1.5E-05            | 0.071             | 1.5             |
| Off-Site Worker (Shift 3) - AEI | 2.3E-06            | 0.042             | 1.5             |

**Notes:**

AEI = Average Exposed Individual

HI = Hazard Index

RME = Reasonable Maximum Exposure

**Table 7.2**  
**Estimated Cancer Risks for an Off-Site Resident by Emission Source – RME**  
**Romic Facility - Chandler, Arizona**

| Receptor Location ID      | Cancer Risk    | Emission Source                                |
|---------------------------|----------------|--|
| R2386                     | 8.5E-12        | Boilers  |
| R2386                     | 6.7E-11        | Distillation Processes                         |
| R2386                     | 4.5E-10        | Distillation Area                              |
| R2386                     | 1.5E-08        | Drum Storage Building #1                       |
| R2386                     | 6.3E-09        | Drum Storage Building #2                       |
| R2386                     | 7.1E-10        | Drum Sampling                                  |
| R2386                     | 1.8E-08        | Tank Farm A                                    |
| R2386                     | 6.3E-09        | Tank Farm B                                    |
| R2386                     | 1.7E-09        | Tank Farm C1                                   |
| R2386                     | 3.5E-09        | Tank Farm C3                                   |
| R2386                     | 1.2E-07        | Tank Farm D1                                   |
| R2386                     | 1.0E-11        | Tank Farm D3                                   |
| R2386                     | 1.8E-09        | Tank Farm F                                    |
| R2386                     | 3.7E-10        | Fugitive Emissions from Tank Farm A            |
| R2386                     | 4.5E-11        | Fugitive Emissions from Tank Farm B            |
| R2386                     | 6.6E-11        | Fugitive Emissions from Tank Farm C1           |
| R2386                     | 2.7E-10        | Fugitive Emissions from Tank Farm C3           |
| R2386                     | 2.6E-11        | Fugitive Emissions from Tank Farm D1           |
| R2386                     | 5.2E-13        | Fugitive Emissions from Tank Farm D3           |
| R2386                     | 2.8E-10        | Fugitive Emissions from Distillation Processes |
| R2386                     | 1.2E-12        | Fugitive Emissions from Tank Farm F            |
| R2386                     | ---            | Labpack Consolidation                          |
| R2386                     | 3.1E-10        | Laboratory Exhaust                             |
| R2386                     | 2.7E-12        | Railcar Sampling                               |
| R2386                     | 4.8E-11        | Tanker Truck Sampling                          |
| R2386                     | 1.6E-09        | Truck Washout                                  |
| R2386                     | 8.8E-10        | Trough 1                                       |
| R2386                     | 3.9E-10        | Trough 2                                       |
| R2386                     | 2.7E-11        | Trough 3                                       |
| R2386                     | 3.3E-10        | Trough 4                                       |
| R2386                     | 5.7E-13        | Trough 5                                       |
| <b>Total Cancer Risk:</b> | <b>1.8E-07</b> | <b>All Emission Sources</b>                    |

**Note:**

RME = Reasonable Maximum Exposure

**Table 7.3**  
**Estimated Chronic Hazard Indices for an Off-Site Resident by Emission Source – RME**  
**Romic Facility - Chandler, Arizona**

| Receptor Location ID     | Chronic HI    | Emission Source                                |
|--------------------------|---------------|--|
| R2386                    | 9.1E-06       | Boilers  |
| R2386                    | 2.9E-07       | Distillation Processes                         |
| R2386                    | 1.6E-06       | Distillation Area                              |
| R2386                    | 4.3E-05       | Drum Storage Building #1                       |
| R2386                    | 1.8E-05       | Drum Storage Building #2                       |
| R2386                    | 2.0E-06       | Drum Sampling                                  |
| R2386                    | 7.1E-05       | Tank Farm A                                    |
| R2386                    | 1.0E-04       | Tank Farm B                                    |
| R2386                    | 7.7E-05       | Tank Farm C1                                   |
| R2386                    | 3.3E-05       | Tank Farm C3                                   |
| R2386                    | 3.7E-04       | Tank Farm D1                                   |
| R2386                    | 7.6E-05       | Tank Farm D3                                   |
| R2386                    | 1.2E-04       | Tank Farm F                                    |
| R2386                    | 1.4E-06       | Fugitive Emissions from Tank Farm A            |
| R2386                    | 7.3E-07       | Fugitive Emissions from Tank Farm B            |
| R2386                    | 3.0E-06       | Fugitive Emissions from Tank Farm C1           |
| R2386                    | 2.5E-06       | Fugitive Emissions from Tank Farm C3           |
| R2386                    | 7.8E-08       | Fugitive Emissions from Tank Farm D1           |
| R2386                    | 3.8E-06       | Fugitive Emissions from Tank Farm D3           |
| R2386                    | 9.7E-07       | Fugitive Emissions from Distillation Processes |
| R2386                    | 8.2E-08       | Fugitive Emissions from Tank Farm F            |
| R2386                    | 3.8E-05       | Labpack Consolidation                          |
| R2386                    | 5.8E-06       | Laboratory Exhaust                             |
| R2386                    | 8.1E-09       | Rail Sampling                                  |
| R2386                    | 8.9E-07       | Tanker Truck Sampling                          |
| R2386                    | 2.0E-04       | Truck Washout                                  |
| R2386                    | 6.2E-06       | Trough 1                                       |
| R2386                    | 2.8E-06       | Trough 2                                       |
| R2386                    | 1.2E-06       | Trough 3                                       |
| R2386                    | 3.1E-06       | Trough 4                                       |
| R2386                    | 4.2E-06       | Trough 5                                       |
| <b>Total Chronic HI:</b> | <b>0.0012</b> | <b>All Emission Sources</b>                    |

**Notes:**

HI = Hazard Index

RME = Reasonable Maximum Exposure

**Table 7.4a**  
**Estimated Cancer Risk for an Off-Site Worker by Emission Source – RME - Shift 1**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b>                      | <b>Receptor Location ID</b> | <b>Cancer Risk</b> | <b>Emission Source</b>                         |
|---|-----------------------------|--------------------|--|
| Off-Site Worker (Shift-1)                       | B55                         | 3.4E-11            | Boilers  |
| Off-Site Worker (Shift-1)                       | B55                         | 8.3E-10            | Distillation Processes                         |
| Off-Site Worker (Shift-1)                       | B55                         | 2.2E-09            | Distillation Area                              |
| Off-Site Worker (Shift-1)                       | B55                         | 1.5E-05            | Drum Storage Building #1                       |
| Off-Site Worker (Shift-1)                       | B55                         | 1.6E-07            | Drum Storage Building #2                       |
| Off-Site Worker (Shift-1)                       | B55                         | 1.1E-06            | Drum Sampling                                  |
| Off-Site Worker (Shift-1)                       | B55                         | 2.4E-08            | Tank Farm A                                    |
| Off-Site Worker (Shift-1)                       | B55                         | 7.8E-09            | Tank Farm B                                    |
| Off-Site Worker (Shift-1)                       | B55                         | 1.4E-08            | Tank Farm C1                                   |
| Off-Site Worker (Shift-1)                       | B55                         | 1.6E-08            | Tank Farm C3                                   |
| Off-Site Worker (Shift-1)                       | B55                         | 1.1E-06            | Tank Farm D1                                   |
| Off-Site Worker (Shift-1)                       | B55                         | 5.4E-11            | Tank Farm D3                                   |
| Off-Site Worker (Shift-1)                       | B55                         | 5.5E-08            | Tank Farm F                                    |
| Off-Site Worker (Shift-1)                       | B55                         | 1.3E-08            | Fugitive Emissions from Tank Farm A            |
| Off-Site Worker (Shift-1)                       | B55                         | 1.1E-09            | Fugitive Emissions from Tank Farm B            |
| Off-Site Worker (Shift-1)                       | B55                         | 4.7E-09            | Fugitive Emissions from Tank Farm C1           |
| Off-Site Worker (Shift-1)                       | B55                         | 8.9E-09            | Fugitive Emissions from Tank Farm C3           |
| Off-Site Worker (Shift-1)                       | B55                         | 2.7E-09            | Fugitive Emissions from Tank Farm D1           |
| Off-Site Worker (Shift-1)                       | B55                         | 2.2E-11            | Fugitive Emissions from Tank Farm D3           |
| Off-Site Worker (Shift-1)                       | B55                         | 4.5E-09            | Fugitive Emissions from Distillation Processes |
| Off-Site Worker (Shift-1)                       | B55                         | 9.2E-11            | Fugitive Emissions from Tank Farm F            |
| Off-Site Worker (Shift-1)                       | B55                         | ---                | Labpack Consolidation                          |
| Off-Site Worker (Shift-1)                       | B55                         | 1.9E-09            | Laboratory Exhaust                             |
| Off-Site Worker (Shift-1)                       | B55                         | 8.5E-10            | Rail Sampling                                  |
| Off-Site Worker (Shift-1)                       | B55                         | 8.9E-10            | Tanker Truck Sampling                          |
| Off-Site Worker (Shift-1)                       | B55                         | 4.3E-08            | Truck Washout                                  |
| Off-Site Worker (Shift-1)                       | B55                         | 2.4E-08            | Trough 1                                       |
| Off-Site Worker (Shift-1)                       | B55                         | 9.2E-09            | Trough 2                                       |
| Off-Site Worker (Shift-1)                       | B55                         | 2.1E-09            | Trough 3                                       |
| Off-Site Worker (Shift-1)                       | B55                         | 1.0E-08            | Trough 4                                       |
| Off-Site Worker (Shift-1)                       | B55                         | 2.7E-11            | Trough 5                                       |
| <b>Total Cancer Risk for Workers (Shift-1):</b> |                             | <b>1.8E-05</b>     | <b>All Emission Sources</b>                    |

**Note:**

RME = Reasonable Maximum Exposure

**Table 7.4b**  
**Estimated Cancer Risk for an Off-Site Worker by Emission Source – RME - Shift 2**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b>                      | <b>Receptor Location ID</b> | <b>Cancer Risk</b> | <b>Emission Source</b>                         |
|---|-----------------------------|--------------------|--|
| Off-Site Worker (Shift-2)                       | B53                         | 2.9E-10            | Boilers  |
| Off-Site Worker (Shift-2)                       | B53                         | 6.8E-09            | Distillation Processes                         |
| Off-Site Worker (Shift-2)                       | B53                         | 1.8E-08            | Distillation Area                              |
| Off-Site Worker (Shift-2)                       | B53                         | 1.5E-06            | Drum Storage Building #1                       |
| Off-Site Worker (Shift-2)                       | B53                         | 1.6E-07            | Drum Storage Building #2                       |
| Off-Site Worker (Shift-2)                       | B53                         | 3.4E-07            | Drum Sampling                                  |
| Off-Site Worker (Shift-2)                       | B53                         | 8.2E-07            | Tank Farm A                                    |
| Off-Site Worker (Shift-2)                       | B53                         | 2.3E-07            | Tank Farm B                                    |
| Off-Site Worker (Shift-2)                       | B53                         | 1.1E-07            | Tank Farm C1                                   |
| Off-Site Worker (Shift-2)                       | B53                         | 1.5E-07            | Tank Farm C3                                   |
| Off-Site Worker (Shift-2)                       | B53                         | 5.8E-06            | Tank Farm D1                                   |
| Off-Site Worker (Shift-2)                       | B53                         | 3.9E-10            | Tank Farm D3                                   |
| Off-Site Worker (Shift-2)                       | B53                         | 5.8E-08            | Tank Farm F                                    |
| Off-Site Worker (Shift-2)                       | B53                         | 6.6E-08            | Fugitive Emissions from Tank Farm A            |
| Off-Site Worker (Shift-2)                       | B53                         | 4.9E-09            | Fugitive Emissions from Tank Farm B            |
| Off-Site Worker (Shift-2)                       | B53                         | 8.3E-09            | Fugitive Emissions from Tank Farm C1           |
| Off-Site Worker (Shift-2)                       | B53                         | 1.9E-08            | Fugitive Emissions from Tank Farm C3           |
| Off-Site Worker (Shift-2)                       | B53                         | 2.3E-09            | Fugitive Emissions from Tank Farm D1           |
| Off-Site Worker (Shift-2)                       | B53                         | 3.3E-11            | Fugitive Emissions from Tank Farm D3           |
| Off-Site Worker (Shift-2)                       | B53                         | 1.5E-08            | Fugitive Emissions from Distillation Processes |
| Off-Site Worker (Shift-2)                       | B53                         | 4.5E-11            | Fugitive Emissions from Tank Farm F            |
| Off-Site Worker (Shift-2)                       | B53                         | ---                | Labpack Consolidation                          |
| Off-Site Worker (Shift-2)                       | B53                         | 1.3E-08            | Laboratory Exhaust                             |
| Off-Site Worker (Shift-2)                       | B53                         | 3.0E-10            | Rail Sampling                                  |
| Off-Site Worker (Shift-2)                       | B53                         | 4.4E-09            | Tanker Truck Sampling                          |
| Off-Site Worker (Shift-2)                       | B53                         | 4.4E-07            | Truck Washout                                  |
| Off-Site Worker (Shift-2)                       | B53                         | 9.9E-08            | Trough 1                                       |
| Off-Site Worker (Shift-2)                       | B53                         | 4.0E-08            | Trough 2                                       |
| Off-Site Worker (Shift-2)                       | B53                         | 4.0E-09            | Trough 3                                       |
| Off-Site Worker (Shift-2)                       | B53                         | 2.3E-08            | Trough 4                                       |
| Off-Site Worker (Shift-2)                       | B53                         | 3.4E-11            | Trough 5                                       |
| <b>Total Cancer Risk for Workers (Shift-2):</b> |                             | <b>1.0E-05</b>     | <b>All Emission Sources</b>                    |

**Note:**

RME = Reasonable Maximum Exposure

**Table 7.4c**  
**Estimated Cancer Risk for an Off-Site Worker by Emission Source – RME - Shift 3**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b>                      | <b>Receptor Location ID</b> | <b>Cancer Risk</b> | <b>Emission Source</b>                         |
|---|-----------------------------|--------------------|--|
| Off-Site Worker (Shift-3)                       | B40                         | 3.0E-10            | Boilers  |
| Off-Site Worker (Shift-3)                       | B40                         | 4.3E-09            | Distillation Processes                         |
| Off-Site Worker (Shift-3)                       | B40                         | 1.7E-08            | Distillation Area                              |
| Off-Site Worker (Shift-3)                       | B40                         | 5.4E-07            | Drum Storage Building #1                       |
| Off-Site Worker (Shift-3)                       | B40                         | 1.2E-05            | Drum Storage Building #2                       |
| Off-Site Worker (Shift-3)                       | B40                         | 9.4E-08            | Drum Sampling                                  |
| Off-Site Worker (Shift-3)                       | B40                         | 2.3E-07            | Tank Farm A                                    |
| Off-Site Worker (Shift-3)                       | B40                         | 8.0E-08            | Tank Farm B                                    |
| Off-Site Worker (Shift-3)                       | B40                         | 3.2E-08            | Tank Farm C1                                   |
| Off-Site Worker (Shift-3)                       | B40                         | 5.8E-08            | Tank Farm C3                                   |
| Off-Site Worker (Shift-3)                       | B40                         | 1.4E-06            | Tank Farm D1                                   |
| Off-Site Worker (Shift-3)                       | B40                         | 1.0E-10            | Tank Farm D3                                   |
| Off-Site Worker (Shift-3)                       | B40                         | 1.0E-08            | Tank Farm F                                    |
| Off-Site Worker (Shift-3)                       | B40                         | 1.9E-08            | Fugitive Emissions from Tank Farm A            |
| Off-Site Worker (Shift-3)                       | B40                         | 2.8E-09            | Fugitive Emissions from Tank Farm B            |
| Off-Site Worker (Shift-3)                       | B40                         | 5.9E-09            | Fugitive Emissions from Tank Farm C1           |
| Off-Site Worker (Shift-3)                       | B40                         | 2.9E-08            | Fugitive Emissions from Tank Farm C3           |
| Off-Site Worker (Shift-3)                       | B40                         | 2.8E-09            | Fugitive Emissions from Tank Farm D1           |
| Off-Site Worker (Shift-3)                       | B40                         | 7.6E-11            | Fugitive Emissions from Tank Farm D3           |
| Off-Site Worker (Shift-3)                       | B40                         | 2.2E-08            | Fugitive Emissions from Distillation Processes |
| Off-Site Worker (Shift-3)                       | B40                         | 2.0E-10            | Fugitive Emissions from Tank Farm F            |
| Off-Site Worker (Shift-3)                       | B40                         | ---                | Labpack Consolidation                          |
| Off-Site Worker (Shift-3)                       | B40                         | 3.6E-08            | Laboratory Exhaust                             |
| Off-Site Worker (Shift-3)                       | B40                         | 5.7E-11            | Rail Sampling                                  |
| Off-Site Worker (Shift-3)                       | B40                         | 8.4E-09            | Tanker Truck Sampling                          |
| Off-Site Worker (Shift-3)                       | B40                         | 1.5E-07            | Truck Washout                                  |
| Off-Site Worker (Shift-3)                       | B40                         | 5.8E-08            | Trough 1                                       |
| Off-Site Worker (Shift-3)                       | B40                         | 2.3E-08            | Trough 2                                       |
| Off-Site Worker (Shift-3)                       | B40                         | 2.1E-09            | Trough 3                                       |
| Off-Site Worker (Shift-3)                       | B40                         | 3.4E-08            | Trough 4                                       |
| Off-Site Worker (Shift-3)                       | B40                         | 1.1E-10            | Trough 5                                       |
| <b>Total Cancer Risk for Workers (Shift-3):</b> |                             | <b>1.5E-05</b>     | <b>All Emission Sources</b>                    |

**Note:**

RME = Reasonable Maximum Exposure

Table 7.5a

## Estimated Chronic Hazard Indices for an Off-Site Worker by Emission Source – RME - Shift 1

## Romic Facility - Chandler, Arizona

| Exposure Population                            | Receptor Location ID | Chronic HI  | Emission Source                                |
|--|----------------------|-------------|--|
| Off-Site Worker (Shift-1)                      | B52                  | 2.9E-04     | Boilers  |
| Off-Site Worker (Shift-1)                      | B52                  | 1.6E-05     | Distillation Processes                         |
| Off-Site Worker (Shift-1)                      | B52                  | 7.6E-06     | Distillation Area                              |
| Off-Site Worker (Shift-1)                      | B52                  | 3.4E-03     | Drum Storage Building #1                       |
| Off-Site Worker (Shift-1)                      | B52                  | 1.9E-03     | Drum Storage Building #2                       |
| Off-Site Worker (Shift-1)                      | B52                  | 4.9E-04     | Drum Sampling                                  |
| Off-Site Worker (Shift-1)                      | B52                  | 2.7E-05     | Tank Farm A                                    |
| Off-Site Worker (Shift-1)                      | B52                  | 3.8E-05     | Tank Farm B                                    |
| Off-Site Worker (Shift-1)                      | B52                  | 1.0E-03     | Tank Farm C1                                   |
| Off-Site Worker (Shift-1)                      | B52                  | 3.8E-04     | Tank Farm C3                                   |
| Off-Site Worker (Shift-1)                      | B52                  | 4.1E-03     | Tank Farm D1                                   |
| Off-Site Worker (Shift-1)                      | B52                  | 8.6E-04     | Tank Farm D3                                   |
| Off-Site Worker (Shift-1)                      | B52                  | 6.8E-03     | Tank Farm F                                    |
| Off-Site Worker (Shift-1)                      | B52                  | 3.7E-03     | Fugitive Emissions from Tank Farm A            |
| Off-Site Worker (Shift-1)                      | B52                  | 1.2E-03     | Fugitive Emissions from Tank Farm B            |
| Off-Site Worker (Shift-1)                      | B52                  | 1.8E-03     | Fugitive Emissions from Tank Farm C1           |
| Off-Site Worker (Shift-1)                      | B52                  | 1.3E-03     | Fugitive Emissions from Tank Farm C3           |
| Off-Site Worker (Shift-1)                      | B52                  | 2.8E-05     | Fugitive Emissions from Tank Farm D1           |
| Off-Site Worker (Shift-1)                      | B52                  | 1.6E-03     | Fugitive Emissions from Tank Farm D3           |
| Off-Site Worker (Shift-1)                      | B52                  | 1.8E-04     | Fugitive Emissions from Distillation Processes |
| Off-Site Worker (Shift-1)                      | B52                  | 1.6E-05     | Fugitive Emissions from Tank Farm F            |
| Off-Site Worker (Shift-1)                      | B52                  | 5.1E-02     | Labpack Consolidation                          |
| Off-Site Worker (Shift-1)                      | B52                  | 9.4E-05     | Laboratory Exhaust                             |
| Off-Site Worker (Shift-1)                      | B52                  | 1.0E-06     | Rail Sampling                                  |
| Off-Site Worker (Shift-1)                      | B52                  | 2.7E-05     | Tanker Truck Sampling                          |
| Off-Site Worker (Shift-1)                      | B52                  | 2.0E-02     | Truck Washout                                  |
| Off-Site Worker (Shift-1)                      | B52                  | 1.1E-02     | Trough 1                                       |
| Off-Site Worker (Shift-1)                      | B52                  | 4.7E-03     | Trough 2                                       |
| Off-Site Worker (Shift-1)                      | B52                  | 6.7E-04     | Trough 3                                       |
| Off-Site Worker (Shift-1)                      | B52                  | 1.6E-03     | Trough 4                                       |
| Off-Site Worker (Shift-1)                      | B52                  | 1.6E-03     | Trough 5                                       |
| <b>Total Chronic HI for Workers (Shift-1):</b> |                      | <b>0.12</b> | <b>All Emission Sources</b>                    |

**Notes:**

HI = Hazard Index

RME = Reasonable Maximum Exposure

**Table 7.5b**  
**Estimated Chronic Hazard Indices for an Off-Site Worker by Emission Source – RME - Shift 2**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b>                     | <b>Receptor Location ID</b> | <b>Chronic HI</b> | <b>Emission Source</b>                         |
|--|-----------------------------|-------------------|--|
| Off-Site Worker (Shift-2)                      | B52                         | 5.2E-04           | Boilers  |
| Off-Site Worker (Shift-2)                      | B52                         | 3.6E-05           | Distillation Processes                         |
| Off-Site Worker (Shift-2)                      | B52                         | 1.0E-04           | Distillation Area                              |
| Off-Site Worker (Shift-2)                      | B52                         | 7.6E-04           | Drum Storage Building #1                       |
| Off-Site Worker (Shift-2)                      | B52                         | 4.5E-04           | Drum Storage Building #2                       |
| Off-Site Worker (Shift-2)                      | B52                         | 1.6E-04           | Drum Sampling                                  |
| Off-Site Worker (Shift-2)                      | B52                         | 8.4E-04           | Tank Farm A                                    |
| Off-Site Worker (Shift-2)                      | B52                         | 1.7E-03           | Tank Farm B                                    |
| Off-Site Worker (Shift-2)                      | B52                         | 2.6E-03           | Tank Farm C1                                   |
| Off-Site Worker (Shift-2)                      | B52                         | 1.4E-03           | Tank Farm C3                                   |
| Off-Site Worker (Shift-2)                      | B52                         | 8.5E-03           | Tank Farm D1                                   |
| Off-Site Worker (Shift-2)                      | B52                         | 2.3E-03           | Tank Farm D3                                   |
| Off-Site Worker (Shift-2)                      | B52                         | 2.7E-03           | Tank Farm F                                    |
| Off-Site Worker (Shift-2)                      | B52                         | 6.6E-04           | Fugitive Emissions from Tank Farm A            |
| Off-Site Worker (Shift-2)                      | B52                         | 3.2E-04           | Fugitive Emissions from Tank Farm B            |
| Off-Site Worker (Shift-2)                      | B52                         | 2.6E-04           | Fugitive Emissions from Tank Farm C1           |
| Off-Site Worker (Shift-2)                      | B52                         | 2.5E-04           | Fugitive Emissions from Tank Farm C3           |
| Off-Site Worker (Shift-2)                      | B52                         | 3.9E-06           | Fugitive Emissions from Tank Farm D1           |
| Off-Site Worker (Shift-2)                      | B52                         | 2.5E-04           | Fugitive Emissions from Tank Farm D3           |
| Off-Site Worker (Shift-2)                      | B52                         | 1.4E-04           | Fugitive Emissions from Distillation Processes |
| Off-Site Worker (Shift-2)                      | B52                         | 2.3E-06           | Fugitive Emissions from Tank Farm F            |
| Off-Site Worker (Shift-2)                      | B52                         | 7.6E-03           | Labpack Consolidation                          |
| Off-Site Worker (Shift-2)                      | B52                         | 3.4E-04           | Laboratory Exhaust                             |
| Off-Site Worker (Shift-2)                      | B52                         | 3.4E-07           | Rail Sampling                                  |
| Off-Site Worker (Shift-2)                      | B52                         | 1.4E-04           | Tanker Truck Sampling                          |
| Off-Site Worker (Shift-2)                      | B52                         | 5.5E-02           | Truck Washout                                  |
| Off-Site Worker (Shift-2)                      | B52                         | 2.0E-03           | Trough 1                                       |
| Off-Site Worker (Shift-2)                      | B52                         | 1.5E-03           | Trough 2                                       |
| Off-Site Worker (Shift-2)                      | B52                         | 1.0E-04           | Trough 3                                       |
| Off-Site Worker (Shift-2)                      | B52                         | 3.8E-04           | Trough 4                                       |
| Off-Site Worker (Shift-2)                      | B52                         | 2.4E-04           | Trough 5                                       |
| <b>Total Chronic HI for Workers (Shift-2):</b> |                             | <b>0.092</b>      | <b>All Emission Sources</b>                    |

**Notes:**

HI = Hazard Index

RME = Reasonable Maximum Exposure



**Table 7.5c**  
**Estimated Chronic Hazard Indices for an Off-Site Worker by Emission Source – RME - Shift 3**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b>                     | <b>Receptor Location ID</b> | <b>Chronic HI</b> | <b>Emission Source</b>                         |
|--|-----------------------------|-------------------|--|
| Off-Site Worker (Shift-3)                      | B37                         | 2.1E-04           | Boilers  |
| Off-Site Worker (Shift-3)                      | B37                         | 2.0E-05           | Distillation Processes                         |
| Off-Site Worker (Shift-3)                      | B37                         | 4.9E-05           | Distillation Area                              |
| Off-Site Worker (Shift-3)                      | B37                         | 2.6E-03           | Drum Storage Building #1                       |
| Off-Site Worker (Shift-3)                      | B37                         | 5.9E-04           | Drum Storage Building #2                       |
| Off-Site Worker (Shift-3)                      | B37                         | 3.0E-04           | Drum Sampling                                  |
| Off-Site Worker (Shift-3)                      | B37                         | 1.1E-03           | Tank Farm A                                    |
| Off-Site Worker (Shift-3)                      | B37                         | 1.4E-03           | Tank Farm B                                    |
| Off-Site Worker (Shift-3)                      | B37                         | 1.4E-03           | Tank Farm C1                                   |
| Off-Site Worker (Shift-3)                      | B37                         | 4.7E-04           | Tank Farm C3                                   |
| Off-Site Worker (Shift-3)                      | B37                         | 2.9E-03           | Tank Farm D1                                   |
| Off-Site Worker (Shift-3)                      | B37                         | 4.3E-04           | Tank Farm D3                                   |
| Off-Site Worker (Shift-3)                      | B37                         | 3.5E-05           | Tank Farm F                                    |
| Off-Site Worker (Shift-3)                      | B37                         | 1.2E-04           | Fugitive Emissions from Tank Farm A            |
| Off-Site Worker (Shift-3)                      | B37                         | 6.6E-05           | Fugitive Emissions from Tank Farm B            |
| Off-Site Worker (Shift-3)                      | B37                         | 4.8E-04           | Fugitive Emissions from Tank Farm C1           |
| Off-Site Worker (Shift-3)                      | B37                         | 4.1E-04           | Fugitive Emissions from Tank Farm C3           |
| Off-Site Worker (Shift-3)                      | B37                         | 1.8E-05           | Fugitive Emissions from Tank Farm D1           |
| Off-Site Worker (Shift-3)                      | B37                         | 9.3E-04           | Fugitive Emissions from Tank Farm D3           |
| Off-Site Worker (Shift-3)                      | B37                         | 7.8E-05           | Fugitive Emissions from Distillation Processes |
| Off-Site Worker (Shift-3)                      | B37                         | 3.6E-05           | Fugitive Emissions from Tank Farm F            |
| Off-Site Worker (Shift-3)                      | B37                         | 2.7E-02           | Labpack Consolidation                          |
| Off-Site Worker (Shift-3)                      | B37                         | 2.6E-04           | Laboratory Exhaust                             |
| Off-Site Worker (Shift-3)                      | B37                         | 2.0E-07           | Rail Sampling                                  |
| Off-Site Worker (Shift-3)                      | B37                         | 6.9E-05           | Tanker Truck Sampling                          |
| Off-Site Worker (Shift-3)                      | B37                         | 2.6E-02           | Truck Washout                                  |
| Off-Site Worker (Shift-3)                      | B37                         | 6.2E-04           | Trough 1                                       |
| Off-Site Worker (Shift-3)                      | B37                         | 2.3E-04           | Trough 2                                       |
| Off-Site Worker (Shift-3)                      | B37                         | 1.6E-04           | Trough 3                                       |
| Off-Site Worker (Shift-3)                      | B37                         | 4.2E-04           | Trough 4                                       |
| Off-Site Worker (Shift-3)                      | B37                         | 1.3E-03           | Trough 5                                       |
| <b>Total Chronic HI for Workers (Shift-3):</b> |                             | <b>0.071</b>      | <b>All Emission Sources</b>                    |

**Notes:**

HI = Hazard Index

RME = Reasonable Maximum Exposure

**Table 7.6**  
**Estimated Acute Hazard Indices for an Individual at the Site Boundary**  
**Romic Facility - Chandler, Arizona**

| <b>Exposure Population</b> | <b>Receptor Location ID</b> | <b>Acute HI</b> |
|----------------------------|-----------------------------|-----------------|
| Off-Site Worker (Shift 1)  | B36                         | 1.6             |
| Off-Site Worker (Shift 2)  | B52                         | 0.95            |
| Off-Site Worker (Shift 3)  | B36                         | 1.5             |

**Note:**

HI = Hazard Index

**Table 7.7**  
**Estimated Acute Hazard Quotients by Source and Chemical - Shift 1 (a)**  
**Romic Facility - Chandler, Arizona**

| Exposure Population  | Receptor Location ID | Acute HI       | Emission Source                            | Chemical           | CAS#    |
|--|----------------------|----------------|--|--------------------|---------|
| Offsite Worker (RME)   | B36                  | 1.2E-04        | Distillation Processes                     | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 4.9E-05        | Distillation Processes                     | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.6E-03        | Distillation Processes                     | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 2.1E-05        | Distillation Processes                     | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0018</b>  | <b>Distillation Processes</b>              |                    |         |
| Offsite Worker (RME)   | B36                  | 4.7E-05        | Distillation Area                          | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 2.2E-05        | Distillation Area                          | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 4.2E-04        | Distillation Area                          | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 7.5E-05        | Distillation Area                          | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.00057</b> | <b>Distillation Area</b>                   |                    |         |
| Offsite Worker (RME)   | B36                  | 1.7E-02        | Drum Storage Building #1                   | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 7.9E-03        | Drum Storage Building #1                   | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.5E-01        | Drum Storage Building #1                   | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 8.4E-04        | Drum Storage Building #1                   | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.18</b>    | <b>Drum Storage Building #1</b>            |                    |         |
| Offsite Worker (RME)   | B36                  | 2.6E-03        | Drum Storage Building #2                   | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.2E-03        | Drum Storage Building #2                   | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.3E-02        | Drum Storage Building #2                   | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.3E-04        | Drum Storage Building #2                   | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.027</b>   | <b>Drum Storage Building #2</b>            |                    |         |
| Offsite Worker (RME)   | B36                  | 7.9E-04        | Drum Sampling                              | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 3.7E-04        | Drum Sampling                              | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 7.1E-03        | Drum Sampling                              | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 4.0E-05        | Drum Sampling                              | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0083</b>  | <b>Drum Sampling</b>                       |                    |         |
| Offsite Worker (RME)   | B36                  | 1.2E-03        | Tank Farm A                                | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 4.0E-04        | Tank Farm A                                | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 8.6E-03        | Tank Farm A                                | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 2.0E-04        | Tank Farm A                                | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.010</b>   | <b>Tank Farm A</b>                         |                    |         |
| Offsite Worker (RME)   | B36                  | 1.9E-03        | Tank Farm B                                | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 5.2E-04        | Tank Farm B                                | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.3E-02        | Tank Farm B                                | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 5.9E-04        | Tank Farm B                                | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.016</b>   | <b>Tank Farm B</b>                         |                    |         |
| Offsite Worker (RME)   | B36                  | 4.7E-04        | Tank Farm C1                               | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 2.4E-04        | Tank Farm C1                               | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.4E-02        | Tank Farm C1                               | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 6.2E-03        | Tank Farm C1                               | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.021</b>   | <b>Tank Farm C1</b>                        |                    |         |
| Offsite Worker (RME)   | B36                  | 3.1E-04        | Tank Farm C3                               | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.6E-04        | Tank Farm C3                               | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 5.7E-03        | Tank Farm C3                               | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 3.1E-04        | Tank Farm C3                               | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0065</b>  | <b>Tank Farm C3</b>                        |                    |         |
| Offsite Worker (RME)   | B36                  | 3.6E-03        | Tank Farm D1                               | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.5E-03        | Tank Farm D1                               | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 3.5E-02        | Tank Farm D1                               | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 7.8E-04        | Tank Farm D1                               | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.040</b>   | <b>Tank Farm D1</b>                        |                    |         |
| Offsite Worker (RME)   | B36                  | 2.8E-07        | Tank Farm D3                               | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.3E-07        | Tank Farm D3                               | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.5E-06        | Tank Farm D3                               | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 5.3E-03        | Tank Farm D3                               | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0053</b>  | <b>Tank Farm D3</b>                        |                    |         |
| Offsite Worker (RME)   | B36                  | 1.8E-03        | Tank Farm F                                | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 4.5E-04        | Tank Farm F                                | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.0E-02        | Tank Farm F                                | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.2E-02        | Tank Farm F                                | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.025</b>   | <b>Tank Farm F</b>                         |                    |         |
| Offsite Worker (RME)   | B36                  | 2.8E-04        | Fugitive Emissions from Tank Farm A        | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 9.1E-05        | Fugitive Emissions from Tank Farm A        | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.0E-03        | Fugitive Emissions from Tank Farm A        | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 4.6E-05        | Fugitive Emissions from Tank Farm A        | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0024</b>  | <b>Fugitive Emissions from Tank Farm A</b> |                    |         |

**Table 7.7**  
**Estimated Acute Hazard Quotients by Source and Chemical - Shift 1 (a)**  
**Romic Facility - Chandler, Arizona**

| Exposure Population  | Receptor Location ID | Acute HI        | Emission Source                                       | Chemical           | CAS#    |
|--|----------------------|-----------------|---|--------------------|---------|
| Offsite Worker (RME)   | B36                  | 1.6E-04         | Fugitive Emissions from Tank Farm B                   | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 4.4E-05         | Fugitive Emissions from Tank Farm B                   | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.1E-03         | Fugitive Emissions from Tank Farm B                   | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 5.0E-05         | Fugitive Emissions from Tank Farm B                   | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0014</b>   | <b>Fugitive Emissions from Tank Farm B</b>            |                    |         |
| Offsite Worker (RME)   | B36                  | 2.1E-04         | Fugitive Emissions from Tank Farm C1                  | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.1E-04         | Fugitive Emissions from Tank Farm C1                  | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 6.2E-03         | Fugitive Emissions from Tank Farm C1                  | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 2.8E-03         | Fugitive Emissions from Tank Farm C1                  | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0094</b>   | <b>Fugitive Emissions from Tank Farm C1</b>           |                    |         |
| Offsite Worker (RME)   | B36                  | 3.5E-04         | Fugitive Emissions from Tank Farm C3                  | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.8E-04         | Fugitive Emissions from Tank Farm C3                  | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 6.6E-03         | Fugitive Emissions from Tank Farm C3                  | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 3.8E-04         | Fugitive Emissions from Tank Farm C3                  | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0074</b>   | <b>Fugitive Emissions from Tank Farm C3</b>           |                    |         |
| Offsite Worker (RME)   | B36                  | 2.2E-05         | Fugitive Emissions from Tank Farm D1                  | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 9.2E-06         | Fugitive Emissions from Tank Farm D1                  | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.2E-04         | Fugitive Emissions from Tank Farm D1                  | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 4.9E-06         | Fugitive Emissions from Tank Farm D1                  | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.00025</b>  | <b>Fugitive Emissions from Tank Farm D1</b>           |                    |         |
| Offsite Worker (RME)   | B36                  | 6.0E-07         | Fugitive Emissions from Tank Farm D3                  | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 2.8E-07         | Fugitive Emissions from Tank Farm D3                  | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 5.3E-06         | Fugitive Emissions from Tank Farm D3                  | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.1E-02         | Fugitive Emissions from Tank Farm D3                  | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.011</b>    | <b>Fugitive Emissions from Tank Farm D3</b>           |                    |         |
| Offsite Worker (RME)   | B36                  | 1.9E-05         | Fugitive Emissions from Tank Farm F                   | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 4.5E-06         | Fugitive Emissions from Tank Farm F                   | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.0E-04         | Fugitive Emissions from Tank Farm F                   | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.2E-04         | Fugitive Emissions from Tank Farm F                   | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.00025</b>  | <b>Fugitive Emissions from Tank Farm F</b>            |                    |         |
| Offsite Worker (RME)   | B36                  | 1.5E-04         | Fugitive Emissions from Distillation Processes        | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 7.3E-05         | Fugitive Emissions from Distillation Processes        | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.4E-03         | Fugitive Emissions from Distillation Processes        | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 2.4E-04         | Fugitive Emissions from Distillation Processes        | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0018</b>   | <b>Fugitive Emissions from Distillation Processes</b> |                    |         |
| Offsite Worker (RME)   | B36                  | 5.6E-01         | Labpack Consolidation                                 | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 2.0E-01         | Labpack Consolidation                                 | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 8.2E-03         | Labpack Consolidation                                 | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.77</b>     | <b>Labpack Consolidation</b>                          |                    |         |
| Offsite Worker (RME)   | B36                  | 3.9E-06         | Laboratory Exhaust                                    | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 2.3E-06         | Laboratory Exhaust                                    | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.6E-04         | Laboratory Exhaust                                    | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 7.1E-08         | Laboratory Exhaust                                    | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.00027</b>  | <b>Laboratory Exhaust</b>                             |                    |         |
| Offsite Worker (RME)   | B36                  | 2.6E-06         | Rail Sampling   | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.1E-06         | Rail Sampling   | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.5E-05         | Rail Sampling   | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.8E-08         | Rail Sampling   | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.000029</b> | <b>Rail Sampling</b>                                  |                    |         |
| Offsite Worker (RME)   | B36                  | 2.9E-06         | Tanker Truck Sampling                                 | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.7E-06         | Tanker Truck Sampling                                 | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 2.0E-04         | Tanker Truck Sampling                                 | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 5.3E-08         | Tanker Truck Sampling                                 | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.00020</b>  | <b>Tanker Truck Sampling</b>                          |                    |         |
| Offsite Worker (RME)   | B36                  | 2.7E-04         | Truck Washout   | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 1.7E-04         | Truck Washout   | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.6E-03         | Truck Washout   | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 6.3E-02         | Truck Washout   | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.065</b>    | <b>Truck Washout</b>                                  |                    |         |
| Offsite Worker (RME)   | B36                  | 1.8E-03         | Trough 1  | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 5.3E-04         | Trough 1  | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.3E-02         | Trough 1  | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 4.7E-04         | Trough 1  | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.016</b>    | <b>Trough 1</b>                                       |                    |         |

**Table 7.7**  
**Estimated Acute Hazard Quotients by Source and Chemical - Shift 1 (a)**  
**Romic Facility - Chandler, Arizona**

| Exposure Population  | Receptor Location ID | Acute HI      | Emission Source | Chemical           | CAS#    |
|--|----------------------|---------------|-----------------|--------------------|---------|
| Offsite Worker (RME)   | B36                  | 6.9E-04       | Trough 2        | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 2.0E-04       | Trough 2        | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 4.8E-03       | Trough 2        | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.8E-04       | Trough 2        | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0058</b> | <b>Trough 2</b> |                    |         |
| Offsite Worker (RME)   | B36                  | 1.4E-04       | Trough 3        | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 7.1E-05       | Trough 3        | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 4.1E-03       | Trough 3        | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 1.8E-03       | Trough 3        | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.0061</b> | <b>Trough 3</b> |                    |         |
| Offsite Worker (RME)   | B36                  | 6.1E-04       | Trough 4        | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 3.1E-04       | Trough 4        | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.1E-02       | Trough 4        | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 6.2E-04       | Trough 4        | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source :</b> |                      | <b>0.013</b>  | <b>Trough 4</b> |                    |         |
| Offsite Worker (RME)   | B36                  | 1.5E-06       | Trough 5        | ACETONE            | 67641   |
| Offsite Worker (RME)   | B36                  | 6.8E-07       | Trough 5        | ALCOHOLS           | 67630   |
| Offsite Worker (RME)   | B36                  | 1.3E-05       | Trough 5        | METHYLENE CHLORIDE | 75092   |
| Offsite Worker (RME)   | B36                  | 2.7E-02       | Trough 5        | STODDARD SOLVENT   | 8052413 |
| <b>Total Acute HI for Workers (Shift-1) from this source:</b>  |                      | <b>0.027</b>  | <b>Trough 5</b> |                    |         |

**Note:**

HI = Hazard Index

(a) The table includes only those chemicals with a cumulative acute HI from all sources of over 0.1.

**Table 7.8**  
**On-Site Worker Monitoring Results Compared to Standards**  
**Romic Facility - Chandler, Arizona**

| Sample #/Type             | Analyte                | Result (mg/m <sup>3</sup> ) | PEL (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|---------------------------|------------------------|-----------------------------|--------------------------|---------------------------|
| REB06001 - Personal , TWA | Methylene Chloride     | 4.5                         | 87                       | N/A                       |
|                           | Acetone                | 8.0                         | 2400                     | N/A                       |
|                           | Toluene                | (a)                         | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 10.5 (a)                    | N/A                      | N/A                       |
| REB06002 - Personal, TWA  | Methylene Chloride     | 2.0                         | 87                       | N/A                       |
|                           | Acetone                | 2.9                         | 2400                     | N/A                       |
|                           | Toluene                | (a)                         | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 5.4 (a)                     | N/A                      | N/A                       |
| REB06003 - Personal, TWA  | Methylene Chloride     | 2.4                         | 87                       | N/A                       |
|                           | Acetone                | 170                         | 2400                     | N/A                       |
|                           | Toluene                | 19.0                        | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | 13.0                        | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | 35.7                        | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 28.0 (b)                    | N/A                      | N/A                       |
| REB06004 - Personal, TWA  | Methylene Chloride     | <1.4                        | 87                       | N/A                       |
|                           | Acetone                | 1.2                         | 2400                     | N/A                       |
|                           | Toluene                | (a)                         | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 3.9 (a)                     | N/A                      | N/A                       |
| REB06005 - Personal, TWA  | Methylene Chloride     | <1.4                        | 87                       | N/A                       |
|                           | Acetone                | 2.8                         | 2400                     | N/A                       |
|                           | Toluene                | (a)                         | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 6.3 (a)                     | N/A                      | N/A                       |
| REB06006 - Personal, TWA  | Methylene Chloride     | 13.1                        | 87                       | N/A                       |
|                           | Acetone                | 143                         | 2400                     | N/A                       |
|                           | Toluene                | 33.3                        | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | 23.2                        | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (c)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 59.0 (c)                    | N/A                      | N/A                       |
| REB06007 - Personal, TWA  | Methylene Chloride     | <1.4                        | 87                       | N/A                       |
|                           | Acetone                | 4.3                         | 2400                     | N/A                       |
|                           | Toluene                | (a)                         | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 8.6 (a)                     | N/A                      | N/A                       |
| REB06008 - Personal, TWA  | Methylene Chloride     | <1.4                        | 87                       | N/A                       |
|                           | Acetone                | 4.8                         | 2400                     | N/A                       |
|                           | Toluene                | (a)                         | 47                       | N/A                       |
|                           | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                           | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                           | Total HC (as n-Hexane) | 15.6 (a)                    | N/A                      | N/A                       |

**Table 7.8**  
**On-Site Worker Monitoring Results Compared to Standards**  
**Romic Facility - Chandler, Arizona**

| Sample #/Type                 | Analyte                | Result (mg/m <sup>3</sup> ) | PEL (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|-------------------------------|------------------------|-----------------------------|--------------------------|---------------------------|
| REB06009 - Area, TWA          | Methylene Chloride     | 10.2                        | 87                       | N/A                       |
|                               | Acetone                | 213                         | 2400                     | N/A                       |
|                               | Toluene                | 60.4                        | 47                       | N/A                       |
|                               | Methyl Ethyl Ketone    | 41.4                        | 590                      | N/A                       |
|                               | Isopropyl Alcohol      | 53.9                        | 980                      | N/A                       |
|                               | Total HC (as n-Hexane) | 95.3 (b)                    | N/A                      | N/A                       |
| REB06016 - Field Blank        | Methylene Chloride     | <LOQ (0.022)                | 87                       | N/A                       |
|                               | Acetone                | N/D                         | 2400                     | N/A                       |
|                               | Toluene                | N/D                         | 47                       | N/A                       |
|                               | Methyl Ethyl Ketone    | N/D                         | 590                      | N/A                       |
|                               | Isopropyl Alcohol      | N/D                         | 980                      | N/A                       |
|                               | Total HC (as n-Hexane) | <LOQ (0.011)                | N/A                      | N/A                       |
| REB06017 - Personal, TWA      | Methylene Chloride     | <1.8                        | 87                       | N/A                       |
|                               | Acetone                | 1.1                         | 2400                     | N/A                       |
|                               | Toluene                | (a)                         | 47                       | N/A                       |
|                               | Methyl Ethyl Ketone    | (a)                         | 590                      | N/A                       |
|                               | Isopropyl Alcohol      | (a)                         | 980                      | N/A                       |
|                               | Total HC (as n-Hexane) | 2.0                         | N/A                      | N/A                       |
| REB06018 - Personal, TWA      | Methylene Chloride     | 1.9                         | 87                       | N/A                       |
|                               | Acetone                | (d)                         | 2400                     | N/A                       |
|                               | Toluene                | (d)                         | 47                       | N/A                       |
|                               | Methyl Ethyl Ketone    | (d)                         | 590                      | N/A                       |
|                               | Isopropyl Alcohol      | (d)                         | 980                      | N/A                       |
|                               | Total HC (as n-Hexane) | 3.7                         | N/A                      | N/A                       |
| REB06019 - Personal, TWA      | Methylene Chloride     | 3.9                         | 87                       | N/A                       |
|                               | Acetone                | 355.0                       | 2400                     | N/A                       |
|                               | Toluene                | 3.3                         | 47                       | N/A                       |
|                               | Methyl Ethyl Ketone    | <LOQ                        | 590                      | N/A                       |
|                               | Isopropyl Alcohol      | 8.4                         | 980                      | N/A                       |
|                               | Total HC (as n-Hexane) | 41.4                        | N/A                      | N/A                       |
| REB6010 (A) - Personal, STEL  | Methylene Chloride     | <4.4                        | N/A                      | 435                       |
|                               | Total HC (as n-Hexane) | 9.8                         | N/A                      | N/A                       |
| REB6010 (B) - Personal, STEL  | Methanol               | <2.9                        | N/A                      | 328                       |
| REB06021 (A) - Personal, STEL | Methylene Chloride     | <4.4                        | N/A                      | 435                       |
|                               | Total HC (as n-Hexane) | <2.4                        | N/A                      | N/A                       |
| REB06021 (B) - Personal, STEL | Methanol               | <2.9                        | N/A                      | 328                       |
| REB06022 (A) - Field Blank    | Methylene Chloride     | <LOQ (4.4)                  | N/A                      | 435                       |
|                               | Total HC (as n-Hexane) | <LOQ (2.4)                  | N/A                      | N/A                       |
| REB06022 (B) - Field Blank    | Methanol               | <LOQ (2.9)                  | N/A                      | 328                       |

**Notes:**

mg/m<sup>3</sup> = milligrams per cubic meter  
 LOQ = Limit of Quantification  
 N/A = Not applicable                      STEL = Short term exposure limit  
 N/D = Not detected                      TWA = Time-weighted average

- (a) Isopropyl alcohol, methyl ethyl ketone, toluene, xylenes, and naphtha are present at or below limit of quantification levels.
- (b) Xylenes and naphtha are present at or below limit of quantification levels.
- (c) Isopropyl alcohol, xylenes, and naphtha are present at or below limit of quantification levels.
- (d) Acetone, isopropyl alcohol, methyl ethyl ketone, toluene, xylenes, and naphtha are present at or below limit of quantification levels.

**Source:**

Letter to Romic Environmental Technologies Corp. from Robert Brown & Associates dated March 23, 2006.