





13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

| Lab # | Report of Analysis | | Report Number: 22-129-4149 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------|---|--------|--|--|------------------------|--------------------------|--|------------------|--|--|--|--|----------|--|--|--|--|----------------|---|------|------|------|------------------|---|------|------|------|-------------------|---|-------|-------|-----|------------------|---|--------|------|------|-------------------------------|--|--|--|--|------------|---|------|------|------|--------------------|---|------|------|------|-----------|---|------|------|-----|------------------|---|------|------|-----|--------|---|------|------|-----|---------|---|------|------|------|-----------|---|------|------|-----|--------|---|-------|-------|-----|----------------|--|--|--|--|------|-----|-------|-------|------|-----------|-----|-----|-----|-----|-------|-----|-------|------|------|-------------------------|--|--|--|--|----------|---|-------|--|--|--------------|---|-------|--|--------|----------------|---|-------|-------|-------|-----|---|-------|-------|-------|--------------|---|-------|-------|--|----------|---|------|------|--|----|--|-----|--|--|----------------------------------|-------|------|--|--|
| Account: 25124 | RUSTY WILLARD CITY OF DENTON 1100 SOUTH MAYHILL RD DENTON TX 76208 | |  Robert Ferris Account Manager 402-829-9871 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date Sampled: Date Received: Sample ID: | 2022-04-26 2022-04-27 Jan. Feb. March 2022 Curing Piles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total content, lbs per ton (as rec'd) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th></th> <th></th> <th>Analysis (as rec'd)</th> <th>Analysis (dry weight)</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="5">NUTRIENTS</td> </tr> <tr> <td colspan="5">Nitrogen</td> </tr> <tr> <td>Total Nitrogen</td> <td>%</td> <td>1.17</td> <td>1.72</td> <td>23.4</td> </tr> <tr> <td>Organic Nitrogen</td> <td>%</td> <td>0.98</td> <td>1.43</td> <td>19.5</td> </tr> <tr> <td>Ammonium Nitrogen</td> <td>%</td> <td>0.195</td> <td>0.286</td> <td>3.9</td> </tr> <tr> <td>Nitrate Nitrogen</td> <td>%</td> <td>< 0.01</td> <td>----</td> <td>----</td> </tr> <tr> <td colspan="5">Major and Secondary Nutrients</td> </tr> <tr> <td>Phosphorus</td> <td>%</td> <td>0.59</td> <td>0.87</td> <td>11.8</td> </tr> <tr> <td>Phosphorus as P2O5</td> <td>%</td> <td>1.35</td> <td>1.98</td> <td>27.0</td> </tr> <tr> <td>Potassium</td> <td>%</td> <td>0.24</td> <td>0.35</td> <td>4.8</td> </tr> <tr> <td>Potassium as K2O</td> <td>%</td> <td>0.29</td> <td>0.43</td> <td>5.8</td> </tr> <tr> <td>Sulfur</td> <td>%</td> <td>0.38</td> <td>0.56</td> <td>7.6</td> </tr> <tr> <td>Calcium</td> <td>%</td> <td>2.70</td> <td>3.97</td> <td>54.0</td> </tr> <tr> <td>Magnesium</td> <td>%</td> <td>0.16</td> <td>0.24</td> <td>3.2</td> </tr> <tr> <td>Sodium</td> <td>%</td> <td>0.070</td> <td>0.103</td> <td>1.4</td> </tr> <tr> <td colspan="5">Micronutrients</td> </tr> <tr> <td>Iron</td> <td>ppm</td> <td>21700</td> <td>31879</td> <td>43.4</td> </tr> <tr> <td>Manganese</td> <td>ppm</td> <td>269</td> <td>395</td> <td>0.5</td> </tr> <tr> <td>Boron</td> <td>ppm</td> <td>< 100</td> <td>----</td> <td>----</td> </tr> <tr> <td colspan="5">OTHER PROPERTIES</td> </tr> <tr> <td>Moisture</td> <td>%</td> <td colspan="2">31.93</td> <td></td> </tr> <tr> <td>Total Solids</td> <td>%</td> <td>68.07</td> <td></td> <td>1361.4</td> </tr> <tr> <td>Organic Matter</td> <td>%</td> <td>32.90</td> <td>48.33</td> <td>658.0</td> </tr> <tr> <td>Ash</td> <td>%</td> <td>34.80</td> <td>51.12</td> <td>696.0</td> </tr> <tr> <td>Total Carbon</td> <td>%</td> <td>13.97</td> <td>20.52</td> <td></td> </tr> <tr> <td>Chloride</td> <td>%</td> <td>0.02</td> <td>0.03</td> <td></td> </tr> <tr> <td>pH</td> <td></td> <td colspan="2">7.7</td> <td></td> </tr> <tr> <td>Conductivity 1:5 (Soluble Salts)</td> <td>mS/cm</td> <td colspan="2">3.59</td> <td></td> </tr> </tbody> </table> | | | | | | | Analysis (as rec'd) | Analysis (dry weight) | | NUTRIENTS | | | | | Nitrogen | | | | | Total Nitrogen | % | 1.17 | 1.72 | 23.4 | Organic Nitrogen | % | 0.98 | 1.43 | 19.5 | Ammonium Nitrogen | % | 0.195 | 0.286 | 3.9 | Nitrate Nitrogen | % | < 0.01 | ---- | ---- | Major and Secondary Nutrients | | | | | Phosphorus | % | 0.59 | 0.87 | 11.8 | Phosphorus as P2O5 | % | 1.35 | 1.98 | 27.0 | Potassium | % | 0.24 | 0.35 | 4.8 | Potassium as K2O | % | 0.29 | 0.43 | 5.8 | Sulfur | % | 0.38 | 0.56 | 7.6 | Calcium | % | 2.70 | 3.97 | 54.0 | Magnesium | % | 0.16 | 0.24 | 3.2 | Sodium | % | 0.070 | 0.103 | 1.4 | Micronutrients | | | | | Iron | ppm | 21700 | 31879 | 43.4 | Manganese | ppm | 269 | 395 | 0.5 | Boron | ppm | < 100 | ---- | ---- | OTHER PROPERTIES | | | | | Moisture | % | 31.93 | | | Total Solids | % | 68.07 | | 1361.4 | Organic Matter | % | 32.90 | 48.33 | 658.0 | Ash | % | 34.80 | 51.12 | 696.0 | Total Carbon | % | 13.97 | 20.52 | | Chloride | % | 0.02 | 0.03 | | pH | | 7.7 | | | Conductivity 1:5 (Soluble Salts) | mS/cm | 3.59 | | |
| | | Analysis (as rec'd) | Analysis (dry weight) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NUTRIENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrogen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Nitrogen | % | 1.17 | 1.72 | 23.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organic Nitrogen | % | 0.98 | 1.43 | 19.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ammonium Nitrogen | % | 0.195 | 0.286 | 3.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrate Nitrogen | % | < 0.01 | ---- | ---- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Major and Secondary Nutrients | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phosphorus | % | 0.59 | 0.87 | 11.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phosphorus as P2O5 | % | 1.35 | 1.98 | 27.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potassium | % | 0.24 | 0.35 | 4.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potassium as K2O | % | 0.29 | 0.43 | 5.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfur | % | 0.38 | 0.56 | 7.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium | % | 2.70 | 3.97 | 54.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Magnesium | % | 0.16 | 0.24 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sodium | % | 0.070 | 0.103 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Micronutrients | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iron | ppm | 21700 | 31879 | 43.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manganese | ppm | 269 | 395 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boron | ppm | < 100 | ---- | ---- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moisture | % | 31.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids | % | 68.07 | | 1361.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organic Matter | % | 32.90 | 48.33 | 658.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ash | % | 34.80 | 51.12 | 696.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Carbon | % | 13.97 | 20.52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chloride | % | 0.02 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pH | | 7.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conductivity 1:5 (Soluble Salts) | mS/cm | 3.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

| Lab # | 70105961 | Biological & Physical Properties | Report Number: 22-129-4149 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Account: | 25124 | RUSTY WILLARD CITY OF DENTON 1100 SOUTH MAYHILL RD DENTON TX 76208 |  Robert Ferris Client Service Representative 402-829-9871 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date Sampled: | 2022-04-26 | Jan. Feb. March 2022 Curing Piles | Jan. Feb. And March 2022 Curing P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date Received: | 2022-04-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%;">Analysis (as rec'd)</th> <th style="width: 15%;">Analysis (dry weight)</th> <th style="width: 10%;">Units</th> <th style="width: 10%;">Detection Limit</th> <th style="width: 15%;">Method</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="background-color: #f4a460;">Biological Properties</td> </tr> <tr> <td>Germination</td> <td>100</td> <td></td> <td>%</td> <td>1</td> <td>TMECC 05.05A</td> </tr> <tr> <td>Germination Vigor</td> <td>100</td> <td></td> <td>%</td> <td>1</td> <td>TMECC 05.05A</td> </tr> <tr> <td>CO₂ OM Evolution</td> <td>0.65</td> <td></td> <td>mgCO₂-C/gOM/day</td> <td>0.01</td> <td>TMECC 05.08B</td> </tr> <tr> <td>CO₂ Solids Evolution</td> <td>0.64</td> <td></td> <td>mgCO₂-C/gTS/day</td> <td>0.01</td> <td>TMECC 05.08B</td> </tr> <tr> <td>Fecal Coliform</td> <td></td> <td>325</td> <td>mpn/g</td> <td>0.2</td> <td>EPA 1681</td> </tr> <tr> <td>Salmonella</td> <td></td> <td>< 1.2</td> <td>mpn/4g</td> <td>1.2</td> <td>TMECC 07.02</td> </tr> <tr> <td>Stability Rating</td> <td>Stable</td> <td></td> <td>N/A</td> <td>N/A</td> <td>TMECC 05.08B</td> </tr> <tr> <td colspan="6" style="background-color: #f4a460;">Physical Properties</td> </tr> <tr> <td>Bulk Density (Loose)</td> <td>792</td> <td></td> <td>lbs/cu yard</td> <td>1</td> <td>WT/VOL</td> </tr> <tr> <td>Bulk Density (Packed)</td> <td>1011</td> <td></td> <td>lbs/cu yard</td> <td>1</td> <td>WT/VOL</td> </tr> <tr> <td>Film Plastics</td> <td>n.d.</td> <td></td> <td>%</td> <td>0.1</td> <td>TMECC 03.08</td> </tr> <tr> <td>Glass Fragments</td> <td>n.d.</td> <td></td> <td>%</td> <td>0.1</td> <td>TMECC 03.08</td> </tr> <tr> <td>Hard Plastics</td> <td>n.d.</td> <td></td> <td>%</td> <td>0.1</td> <td>TMECC 03.08</td> </tr> <tr> <td>Metal Fragment</td> <td>n.d.</td> <td></td> <td>%</td> <td>0.1</td> <td>TMECC 03.08</td> </tr> <tr> <td>Sharps</td> <td>absent</td> <td></td> <td>---</td> <td>0.1</td> <td>TMECC 03.08</td> </tr> <tr> <td>Max. Particle Length</td> <td></td> <td>2.0</td> <td>inches</td> <td>N/A</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 3"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 2"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 1.5"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 1"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 3/4"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 5/8"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 3/8"</td> <td></td> <td>100</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> <tr> <td>Sieve % Passing 1/4"</td> <td></td> <td>98</td> <td>%</td> <td>0.01</td> <td>TMECC Sieve</td> </tr> </tbody> </table> | | | | | Analysis (as rec'd) | Analysis (dry weight) | Units | Detection Limit | Method | Biological Properties | | | | | | Germination | 100 | | % | 1 | TMECC 05.05A | Germination Vigor | 100 | | % | 1 | TMECC 05.05A | CO ₂ OM Evolution | 0.65 | | mgCO ₂ -C/gOM/day | 0.01 | TMECC 05.08B | CO ₂ Solids Evolution | 0.64 | | mgCO ₂ -C/gTS/day | 0.01 | TMECC 05.08B | Fecal Coliform | | 325 | mpn/g | 0.2 | EPA 1681 | Salmonella | | < 1.2 | mpn/4g | 1.2 | TMECC 07.02 | Stability Rating | Stable | | N/A | N/A | TMECC 05.08B | Physical Properties | | | | | | Bulk Density (Loose) | 792 | | lbs/cu yard | 1 | WT/VOL | Bulk Density (Packed) | 1011 | | lbs/cu yard | 1 | WT/VOL | Film Plastics | n.d. | | % | 0.1 | TMECC 03.08 | Glass Fragments | n.d. | | % | 0.1 | TMECC 03.08 | Hard Plastics | n.d. | | % | 0.1 | TMECC 03.08 | Metal Fragment | n.d. | | % | 0.1 | TMECC 03.08 | Sharps | absent | | --- | 0.1 | TMECC 03.08 | Max. Particle Length | | 2.0 | inches | N/A | TMECC Sieve | Sieve % Passing 3" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 2" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 1.5" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 1" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 3/4" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 5/8" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 3/8" | | 100 | % | 0.01 | TMECC Sieve | Sieve % Passing 1/4" | | 98 | % | 0.01 | TMECC Sieve |
| | Analysis (as rec'd) | Analysis (dry weight) | Units | Detection Limit | Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Biological Properties | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Germination | 100 | | % | 1 | TMECC 05.05A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Germination Vigor | 100 | | % | 1 | TMECC 05.05A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO ₂ OM Evolution | 0.65 | | mgCO ₂ -C/gOM/day | 0.01 | TMECC 05.08B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO ₂ Solids Evolution | 0.64 | | mgCO ₂ -C/gTS/day | 0.01 | TMECC 05.08B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fecal Coliform | | 325 | mpn/g | 0.2 | EPA 1681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salmonella | | < 1.2 | mpn/4g | 1.2 | TMECC 07.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stability Rating | Stable | | N/A | N/A | TMECC 05.08B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Physical Properties | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Density (Loose) | 792 | | lbs/cu yard | 1 | WT/VOL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Density (Packed) | 1011 | | lbs/cu yard | 1 | WT/VOL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Film Plastics | n.d. | | % | 0.1 | TMECC 03.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glass Fragments | n.d. | | % | 0.1 | TMECC 03.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hard Plastics | n.d. | | % | 0.1 | TMECC 03.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metal Fragment | n.d. | | % | 0.1 | TMECC 03.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sharps | absent | | --- | 0.1 | TMECC 03.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Particle Length | | 2.0 | inches | N/A | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 3" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 2" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 1.5" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 1" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 3/4" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 5/8" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 3/8" | | 100 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sieve % Passing 1/4" | | 98 | % | 0.01 | TMECC Sieve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Compost Results Interpretations

Page 1

Report #:

22-129-4149

DATE RECEIVED:

2022-04-27

| | | |
|------------------|-------------|---|
| Organic Matter % | | Greater than 20% indicates a desirable range for compost on a dry weight basis. |
| 32.90 | As Received | |
| 48.33 | Dry Weight | |

Compost is a significant source of Organic Matter, which is an important supplier of carbon. Organic Matter improves soil and plant efficiency by improving soil physical properties, providing a source of energy to beneficial organisms, and enhancing the reservoir of soil nutrients.

| | | |
|-----------|--|---|
| C/N Ratio | | 20-30 indicates an ideal range for the initial compost process. 10-20 indicates an ideal range for a finished compost. |
| 11.9:1 | | |

All organic matter is made up of substantial amounts of carbon with lesser amounts of nitrogen. The balance of these two elements is called the Carbon/Nitrogen Ratio. For the best performance, the compost pile requires the correct proportion of carbon for energy and nitrogen for protein production. If the C:N ratio is too high (excess carbon) decomposition slows down. If the C:N ratio is too low (excess Nitrogen) the compost pile could be difficult to manage.

| | | |
|------------|--|--|
| Moisture % | | <35% = Indicates overly dry compost >55% = Indicates overly wet compost |
| 31.93 | | |

Moisture Percent is the measure of water present in the compost and expressed as a percentage of total weight. Moisture present affects handling and transport. Overly dry will be light and dusty while overly wet will be heavy and clumpy. A desirable moisture content of finished compost will range between 40 to 50%.

Compost Results Interpretations

Page 2

Report #:

22-129-4149

DATE RECEIVED:

2022-04-27

Conductivity or Soluble Salts measures the conductance of electrical current in a liquid compost slurry. Excessive soluble salt content in a compost can prevent or delay seed germination and proper root growth. Conductivity analysis is done on a 1:5 basis.

| Conductivity 1:5 | |
|--------------------|---|
| 3.6 | |
| Conductivity Level | Interpretation |
| Greater than 10 | Very High nutrient content. Use for Ag Applications |
| 5 - 10 | High nutrient content. Use for Ag Applications |
| 3 - 5 | Higher than desirable for salt sensitive plants, some loss of vigor |
| 0.6 - 3 | Desirable range for most plants |
| 0.3 - 0.6 | Ideal range for greenhouse growth media |
| 0.0 - 0.3 | Very Low: Indicates very low nutrient status: plants may show deficiencies. |

Compost Results Interpretations

Page 3

Report #:

22-129-4149

DATE RECEIVED:

2022-04-27

pH Value

7.7

0 to 14 scale with 6 to 8 as normal pH levels for compost

A pH in the 6 to 8 pH range indicates a more mature compost

pH measures the acidity or alkalinity of the compost, and is a measurement of the hydrogen ion activity of a soil or compost on a logarithmic scale. The pH scale ranges from 0 to 14 and 7 indicates a neutral pH. Growing media with a higher pH or pH greater than 7 can benefit from a compost that has a more acidic pH or pH below 7. This type of application will possibly lower the soil pH making the soil more conducive to plants that thrive in a more acidic soil condition.

Nutrient Index (Ag Index)

>10

The Nutrient Index normally runs between 1 and 10.

The Nutrient Index is obtained by dividing the total nutrients (N,P,K) by the amount of salt (Sodium and Chloride). The higher the Nutrient Index the less chance of having a toxic buildup of Sodium (salt) in the soil.

| AG INDEX CHART | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|----|----------------------|
| <i>salt injury possible</i> | <i>use on soils with excellent drainage characteristics, good water quality and low salts</i> | | | | <i>you may use on soils with poor drainage, poor water quality, or high salts</i> | | | | | <i>for all soils</i> |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | > 10 |

Nutrients (N+P205+K20)

4.13

Average Nutrient Content Dry Weight

<2 = Low, >5 = High

1-1.5-0.5

Rating As Received

The most commonly used compost data is the amount of Nitrogen, Phosphate, and Potash (abbreviated as N,P,K) present and the information is similar to that found in common fertilizers. If a compost result has the rating 1-2-2 it means that the compost has 1% Nitrogen, 2% Phosphate and 2% Potash. Most compost tests will have a average nutrient level (N+P+K) of < 5%.

22-129-4149

REPORT DATE
May 09, 2022
 RECEIVED DATE
Apr 27, 2022

SEND TO
25124



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770
 www.midwestlabs.com

ISSUE DATE
May 09, 2022

**CITY OF DENTON
 RUSTY WILLARD
 1100 SOUTH MAYHILL RD
 DENTON TX 76208**

REPORT OF ANALYSIS
 For: (25124) CITY OF DENTON
 Jan. Feb. And March 2022 Curing Piles

Sample ID: Jan. Feb. March 2022 Curing Piles Lab Number: 70105961 Date Sampled: 2022-04-26 1335

| Analysis | Level Found | | Units | Reporting | | Analyst- Date | Verified- Date |
|--------------------|-------------|------------|-------|-----------|----------|------------------|-------------------|
| | As Received | Dry Weight | | Limit | Method | | |
| Cadmium (total) | n.d. | n.d. | mg/kg | 0.50 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Chromium (total) | 32.9 | 48.4 | mg/kg | 1.00 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Mercury (total) | n.d. | 0.06 | mg/kg | 0.05 | EPA 7471 | th1-2022/05/05 | ras7-2022/05/05 |
| Lead (total) | 7.0 | 10.3 | mg/kg | 5.0 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Molybdenum (total) | 2.2 | 3.3 | mg/kg | 1.0 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Nickel (total) | 8.0 | 11.8 | mg/kg | 1.0 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Selenium (total) | n.d. | n.d. | mg/kg | 10.0 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Zinc (total) | 152.4 | 223.9 | mg/kg | 2.0 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Copper (total) | 142 | 208 | mg/kg | 1 | EPA 6010 | ery3-2022/04/28 | th1-2022/05/04 |
| Arsenic (total) | 2.74 | 4.03 | mg/kg | 0.50 | EPA 6020 | ras7-2022/05/03 | th1-2022/05/04 |

n.d. = not detected , ppm = parts per million, ppm = mg/kg

For questions please contact:


 Rob Ferris
 Account Manager
 rferris@midwestlabs.com (402)829-9871

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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13611 B Street | Omaha, NE 68144-3693 | 402-334-7770

70105961-961
 Sample: 1 Page: 1/2
 Ashley Vafelka
 2022 04 27 09:33

SUBMITTAL FORM

Order Number: 5023808
Order Date: 2022-04-26 13:33:54
Submitted By: Billy Downey

Account: 25124
CITY OF DENTON
1100 SOUTH MAYHILL RD
DENTON, TX 76208

Sample Description: Jan. Feb. And March 2022 Curing Piles

SAMPLES FOR ANALYSIS

Handwritten notes:
11.80
Ben
04/27/22
PSI

Compost



5023808-1

Date Sampled: 2022-04-26

70105961

Sample ID: Jan. Feb. March 2022 Curing Piles

Time Sampled: 1335

Analysis Requested:

STA COMPOST (Carbon (total), Loss on ignition (OM), Nitrogen (total), Ammonium nitrogen (total), Germination vigor, Sieve (ret) 3-8 in. 9.25 mm, Salmonella, CO2 OM Evolution, CO2 Solids Evolution, Stability rating, % passing - 3" sieve (DW), % passing - 3/4" sieve (DW), Fecal coliforms, % passing - 1" sieve (DW), % passing - 1.5" sieve (DW), % passing - 1/4" sieve (DW), Sieve maximum particle length (Inches), Cadmium (total), Chromium (total), Mercury (total), Lead (total), Molybdenum (total), Nickel (total), Germination, % passing - 5/8" sieve (DW), Conductivity 1:5 dilution, Sulfur (total), Magnesium (total), Iron (total), Calcium (total), Sodium (total), Manganese (total), Bulk density (packed), Bulk density (loose), Film plastic, Glass fragments, Hard plastic, Metal fragments, Sharps, Chloride, Boron (total), Phosphate (P2O5), Nitrate-nitrogen, Ash, Moisture, % passing - 2" sieve (DW), Selenium (total), Zinc (total), Potash (K2O), Copper (total), Arsenic (total), pH)



US COMPOSTING COUNCIL



70105961-961
 Samples: 1 Page: 2/2
 Ashley Valeika
 2022 04 27 16:33

OFFICIAL Seal of Testing Assurance
 Compost Sample Chain of Custody Form

STA Laboratory: **Midwest Laboratories** Tel: **402-334-7770**
 Address: **13614 B Street** FAX: _____
 City, State Zip code: **Omaha NE 68144** Email: _____

Client/Reporting Company: **City of Denton** Tel: **940-349-8626**
 Contact Name: **Billy Downey** FAX: _____
 Billing Address: **1100 South Mayhill Road** Email: _____
 City, State Zip code: **Denton, Texas 76208**

Send Results to:
 City, State Zip code: _____

Name or Source of Sample(s):
 Name of Person(s), Sample Collector(s): **Billy Downey**

LABORATORY USE ONLY Storage Locations
 Freezer _____ Cold Room _____ Storage Shelf _____

Sample Condition: _____
 Temperature: _____ Moisture: _____

Sample Type: POINT COMPOSITE STRATIFIED INTERVAL

P.O. Number: _____

USCC Member: YES NO

SELECTION OF ANALYSIS. Refer to <http://www.tmecc.org/cap/methods.html> for details.
 STA Suite, State DOT Tests (indicate State); A, B, C – Specify other tests in fields A through C, (e.g., tests required for regulated samples, etc.). NOTE! STA analytical results via the STA Compost Technical Data Sheet and this Chain of Custody form are submitted to STA program management.

A B C

| Client Sample ID and Special Instructions | 1. List Feedstocks 2. Check all that apply 3. List % by volume. (Optional) | Collection Date/Time | Sample Matrix | Composting Operation Type | Shipping Temperature | Indicate Compost Analysis Requirements (*Identify state) | LAB USE ONLY Job Number & Sample Status |
|---|---|--|---|---|---|--|---|
| Jan. Feb. and March 2022 Curing piles | <input checked="" type="checkbox"/> Green waste <input type="checkbox"/> Manure <input checked="" type="checkbox"/> Food <input type="checkbox"/> Biosolids <input type="checkbox"/> MSW <input type="checkbox"/> Wood <input type="checkbox"/> Carcass <input type="checkbox"/> Fish Waste <input type="checkbox"/> Grease, Fats | Date: 4/26/2022 Time: 1:35 Initials: BD | <input checked="" type="checkbox"/> Compost <input type="checkbox"/> Feedstock <input type="checkbox"/> Mulch | <input checked="" type="checkbox"/> Windrow <input type="checkbox"/> Static pile <input type="checkbox"/> In-Vessel | Ambient <input type="checkbox"/> Wet Ice <input checked="" type="checkbox"/> Dry Ice <input type="checkbox"/> | STA Suite State DOT Identify State A B C | |

INFORM THE STA LABORATORY AND SPECIFY THE REQUIRED LABORATORY TESTS WHEN SUBMITTING REGULATED COMPOST SAMPLES (please use spaces A, B and C provided above).

PLEASE PROVIDE SPECIFIC FEEDSTOCK AND OPERATIONAL DETAIL IN THE SPACE PROVIDED.
 YOUR VOLUNTEERED INFORMATION PROVIDES USCC STANDARDS AND PRACTICES COMMITTEE WITH CRUTIAL DATA NEEDED TO BETTER UNDERSTAND THE COMPOSTING PROCESS AND COMPOST END USES.

| Releasing Signature | Date | Time | Receiving Signature | Date | Time |
|-----------------------|-----------|--------|-----------------------|------|------|
| <i>[Signature]</i> | 4/26/2022 | 1:35pm | | | |
| Releasing Signature 2 | Date | Time | Receiving Signature 2 | Date | Time |
| Releasing Signature 3 | Date | Time | Receiving Signature 3 | Date | Time |
| Releasing Signature 4 | Date | Time | Receiving Signature 4 | Date | Time |