



Eden Research Laboratory

Update

To: BiologiQ

Date: 2/7/17

From: Thomas Poth

Number of pages including cover: 1

Regarding: ASTM D5511 BiologQ 1344 Sample (349 days)

| | Inculum | Negative | Positive | 1344 - MBR 16011801 1.0 MIL |
|-----------------------------|---------|----------|----------|-----------------------------|
| Cumulative Gas Volume (mL) | 4064.3 | 4898.8 | 12330.2 | 31171.1 |
| Percent CH ₄ (%) | 43.2 | 43.6 | 41.4 | 51.7 |
| Volume CH ₄ (mL) | 1757.0 | 2135.1 | 5101.0 | 16106.6 |
| Mass CH ₄ (g) | 1.26 | 1.53 | 3.64 | 11.50 |
| Percent CO ₂ (%) | 40.4 | 37.8 | 41.9 | 38.0 |
| Volume CO ₂ (mL) | 1643.0 | 1852.9 | 5160.5 | 11838.7 |
| Mass CO ₂ (g) | 3.23 | 3.64 | 10.14 | 23.25 |
| Sample Mass (g) | 10 | 10 | 10 | 20 |
| Theoretical Sample Mass (g) | 0.0 | 8.6 | 4.2 | 13.7 |
| Biodegraded Mass (g) | 1.82 | 2.14 | 5.50 | 14.97 |
| Percent Biodegraded (%) | | 3.7 | 87.1 | 95.8 |

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Biodegradation

