

| MIX TYPE | AGGRE<br>GATE<br>TYPE | Sample                        | SAMPLE ID | 1-DAY<br>Strength | Measured E |
|----------|-----------------------|-------------------------------|-----------|-------------------|------------|
| M1       | G                     | OC8 BCL G-50% M1 1 DAY CYL1   | BCL       | 2,750             | 2,970,042  |
| M1       | G                     | OC8 M1 BCL G 1 DAY CYL1       | BCL       | 2,100             | 2,887,116  |
| M1       | PG                    | OCT13 BCL PG-50% M1 1DAY CYL1 | BCL       |                   |            |
| M1       | PG                    | OC8 BCL PG-50% M1 1 DAY CYL1  | BCL       | 5,090             | 4,703,048  |
| M1       | PG                    | OC8 BCL PG M1 1DAY CYL1       | BCL       | 3,350             | 3,762,181  |
| M5       | PG                    | OCT13 BCL PG M5 1 DAY CYL1    | BCL       | 4,850             | 3,342,315  |
| M1       | G                     | BCM G M1 1 DAY                | BCM       |                   |            |
| M1       | G                     | BCM G M1 1 DAY                | BCM       | 2,750             | 3,440,346  |
| M1       | G                     | BCM G-50% M1 1 DAY            | BCM       |                   |            |
| M1       | G                     | BCM G-50% M1 1 DAY            | BCM       | 2,425             | 2,962,767  |
| M1       | PG                    | BCM PG-50% M1 1 DAY           | BCM       | 3,510             | 4,172,389  |
| M1       | PG                    | BCM PG M1 1 DAY               | BCM       |                   |            |
| M1       | PG                    | BCM PG M1 1 DAY               | BCM       | 3,465             | 3,592,815  |
| M1       | PG                    | BCM PG-50% M1 1 DAY           | BCM       | 3,110             | 3,438,660  |
| M5       | G                     | BCM G-50% M5 1 DAY            | BCM       |                   |            |
| M5       | G                     | BCM G-50% M5 1 DAY            | BCM       | 4,210             | 3,988,187  |
| M5       | G                     | BCM G M5 1 DAY                | BCM       |                   |            |
| M5       | G                     | BCM G M5 1 DAY                | BCM       | 3,625             | 4,870,425  |
| M5       | PG                    | BCM PG-50% M5 1 DAY           | BCM       |                   |            |
| M5       | PG                    | BCM PG-50% M5 1 DAY           | BCM       | 4,320             | 4,628,740  |
| M5       | PG                    | BCM PG M5 1 DAY               | BCM       |                   |            |
| M5       | PG                    | BCM PG M5 1 DAY               | BCM       | 4,220             | 4,703,030  |
| M5       | G                     | BCP G-50% M5 1 DAY            | BCP       | 4980.00           | 4,367,108  |
| M5       | G                     | BCP G M5 1 DAY                | BCP       |                   |            |
| M5       | G                     | BCP G M5 1 DAY                | BCP       | 4825.00           | 4,591,483  |
| M5       | G                     | BCP B-20% M5 1-DAY            | BCP       | 4125.00           | 2,128,251  |
| M5       | G                     | BCP G-50% M5 1 DAY            | BCP       | 4980.00           | 4,286,607  |
| M5       | G                     | BCP B-20% M5 1-DAY            | BCP       | 4125.00           | 4,638,828  |
| M5       | G                     | BCP B-50% M5 1-DAY            | BCP       | 3670.00           | 3,290,047  |
| M5       | G                     | BCP B-30% 1-DAY               | BCP       |                   |            |
| M5       | G                     | BCP B-30% 1-DAY               | BCP       | 3695.00           | 4,032,910  |
| M5       | G                     | BCP B-50% M5 1-DAY            | BCP       | 3670.00           | 5,721,595  |
| M5       | G                     | BCP B-10% 1-DAY               | BCP       |                   |            |
| M5       | G                     | BCP B-10% 1-DAY               | BCP       | 3380.00           | 3,905,069  |
| M5       | PG                    | BCP PG M5 1 DAY               | BCP       |                   |            |
| M5       | PG                    | BCP PG M5 1 DAY               | BCP       | 4738.00           | 4,224,471  |
| M5       | PG                    | BCP PG-50% M5 1 DAY           | BCP       |                   |            |
| M5       | PG                    | BCP PG-50% M5 1 DAY           | BCP       | 4064.00           | 5,174,484  |
| M1       | G                     | N16 BK G M1 1 DAY CYL1        | BK        | 3,060             | 4,063,133  |
| M1       | G                     | N16 BK G-50% M1 1DAY CYL1     | BK        | 2,770             | 3,064,692  |
| M1       | G                     | N16 BK G M1 1 DAY CYL2        | BK        | 3,060             | 2,889,287  |

|    |    |                             |     |         |           |
|----|----|-----------------------------|-----|---------|-----------|
| M1 | PG | N16 BK PG-50% M1 1 DAY CYL2 | BK  | 3,300   | 3,731,593 |
| M1 | PG | N16 BK PG M1 1DAY CYL 1     | BK  | 3,100   | 3,129,455 |
| M1 | PG | N16 BK PG-50% M1 1 DAY CYL1 | BK  | 3,300   | 4,682,542 |
| M5 | G  | BK G-50% M5 1DAY CYL2       | BK  |         |           |
| M5 | G  | BK G-50% M5 1DAY CYL1       | BK  | 2940.00 | 4,126,131 |
| M5 | G  | BK G M5 1 DAY CYL1          | BK  |         |           |
| M5 | G  | BK G M5 1 DAY CYL2          | BK  | 2940.00 | 3,052,932 |
| M1 | G  | BRS M1 G-50% 1 DAY CYL1     | BRS |         |           |
| M1 | G  | BRS M1 G-50% 1 DAY CYL2     | BRS | 3510.00 | 3,099,912 |
| M1 | G  | BRS M1 G 1 DAY CYL2         | BRS |         |           |
| M1 | G  | BRS M1 G 1 DAY CYL1         | BRS | 1666.00 | 2,155,258 |
| M1 | PG | BRS M1 PG-50% 1 DAY CYL1    | BRS | 2723.00 | 2,739,386 |
| M1 | PG | BRS M1 PG 1 DAY CYL1        | BRS |         |           |
| M1 | PG | BRS M1 PG 1 DAY CYL2        | BRS | 2065.00 | 2,551,144 |
| M1 | PG | BRS M1 PG-50% 1 DAY CYL2    | BRS | 2723.00 | 2,888,346 |
| M1 | G  | S08 CCF(G) M1 CYL1          | CCF | 3,120   | 3,916,433 |
| M1 | G  | SO8 CCF G-50% M1 CYL1       | CCF | 3,120   | 3,349,401 |
| M1 | PG | S11 CCF PG 50% M1 CYL1      | CCF | 3,140   | 0         |
| M5 | G  | S11 CCF G M5 CYL1           | CCF | 4,800   | 3,917,809 |
| M5 | PG | S14 CCF PG M5 CYL1          | CCF | 8,490   | 4,462,503 |
| M5 | PG | S14 CCF PG M5 CYL1          | CCF | 4,730   | 4,939,794 |
| M5 | PG | S16 CCF PG-50% M5 CYL1      | CCF | 4,290   | 2,868,942 |
| M1 | G  | MM G-50% M1 1-DAY           | MM  |         |           |
| M1 | G  | MM G-50% M1 1-DAY           | MM  | 2380.00 | 3,015,898 |
| M5 | G  | MM G-50% M5 1-DAY           | MM  |         |           |
| M5 | G  | MM G-50% M5 1-DAY           | MM  | 4880.00 | 3,542,697 |
| M5 | PG | MM PG-50% M5 1-DAY          | MM  |         |           |
| M5 | PG | MM PG-50% M5 1-DAY          | MM  | 4650.00 | 4,182,877 |
| M1 | G  | MM G M1 1-DAY               | MM  |         |           |
| M1 | G  | MM G M1 1-DAY               | MM  | 2380.00 | 5,583,505 |
| M1 | PG | MM M1 PG 1-DAY              | MM  |         |           |
| M1 | PG | MM M1 PG 1-DAY              | MM  | 3510.00 | 4,063,389 |
| M5 | G  | MM G M5 1-DAY               | MM  |         |           |
| M5 | G  | MM G M5 1-DAY               | MM  | 4100.00 | 5,083,618 |
| M5 | PG | MM PG M5 1-DAY              | MM  |         |           |
| M5 | PG | MM PG M5 1-DAY              | MM  | 4600.00 | 4,184,315 |
| M1 | G  | N19 G M1 1 DAY CYL2         | NA  | 3,490   | 4,063,133 |
| M1 | G  | N19 G M1 1 DAY CYL1         | NA  | 3,100   | 4,110,806 |
| M1 | PG | OCT16 PG M1 1DAY            | NA  | 3,000   | 4,088,730 |
| M5 | PG | PRE PG-50% M5 1-DAY         | PRE |         |           |
| M5 | PG | PRE PG-50% M5 1-DAY         | PRE | 4925.00 | 6,815,718 |
| M5 | PG | PRE PG M5 1-DAY             | PRE |         |           |
| M5 | PG | PRE PG M5 1-DAY             | PRE | 4240.00 | 5,008,032 |
| M1 | PG | SMC PG-50% M1 1 DAY         | SMC |         |           |
| M1 | PG | SMC PG-50% M1 1 DAY         | SMC | 4360.00 | 4,470,936 |
| M1 | PG | SMC PG M1 1DAY              | SMC |         |           |
| M1 | PG | SMC PG M1 1DAY              | SMC | 4260.00 | 3,279,885 |

|    |    |                             |     |         |           |
|----|----|-----------------------------|-----|---------|-----------|
| M5 | G  | SMC G M5 1 DAY              | SMC | 4470.00 | 4,719,899 |
| M5 | G  | SMC G-50% M5 1 DAY          | SMC |         |           |
| M5 | G  | SMC G-50% M5 1 DAY          | SMC | 4565.00 | 4,507,981 |
| M5 | PG | SMC PG-50% M5 1 DAY         | SMC | 4650.00 | 5,860,994 |
| M5 | PG | SMC PG M5 1 DAY             | SMC | 5240.00 | 4,084,940 |
| M5 | PG | SMC PG-50% M5 1 DAY         | SMC | 4005.00 | 4,458,355 |
| M1 | G  | OCT TIL G-50% M1 1DAY CYL1  | TIL | 4170.00 | 3,558,340 |
| M1 | G  | OCT16 TIL G M1 1 DAY CYL1   | TIL | 2690.00 | 3,474,182 |
| M1 | PG | TIL PG M1 1 DAY             | TIL | 3000.00 | 3,933,597 |
| M5 | PG | TIL M5 PG-50% 1-DAY         | TIL |         |           |
| M5 | PG | TIL M5 PG-50% 1-DAY         | TIL | 5015.00 | 3,824,342 |
| M5 | G  | OCT 21 TIL G M5 1 DAY CYL2  | TIL |         |           |
| M5 | G  | OCT 21 TIL G M5 1 DAY CYL1  | TIL | 5440.00 | 3,383,600 |
| M5 | PG | OCT 21 TIL M5 PG 1 DAY CYL2 | TIL | 5580.00 | 5,073,167 |
| M5 | PG | OCT 21 TIL M5 PG 1 DAY CYL1 | TIL | 5590.00 | 3,523,259 |

## Average

|       |           |
|-------|-----------|
| 2,750 | 2,970,042 |
| 2,100 | 2,887,116 |
| 5,330 | 4,767,570 |
| 4,850 | 4,638,526 |
| 3,350 | 3,762,181 |
| 4,850 | 3,342,315 |
| 2750  |           |
| 2,750 | 3,440,346 |
| 2425  | 2,962,767 |
| 2,425 |           |
| 3,310 | 4,172,389 |
| 3,465 | 1,988,012 |
| 3465  | 5,197,618 |
| 3310  | 3,438,660 |
| 4210  |           |
| 4,210 | 3,988,187 |
| 3,625 | 4,870,425 |
| 3625  |           |
| 4320  |           |
| 4,320 | 4,628,740 |
| 4,220 | 4,703,030 |
| 4220  |           |
| 4980  | 4,367,108 |
| 4825  | 4,334,316 |
| 4,828 | 4,848,649 |
| 4,125 | 2,128,251 |
| 4,980 | 4,286,607 |
| 4,125 | 4,638,828 |
| 3,670 | 3,290,047 |
|       | 4,032,910 |
| 3,670 | 5,721,595 |
|       | 3,905,069 |
| 4,738 | 4,162,098 |
| 4738  | 4,286,843 |
| 4,064 | 5,295,785 |
| 4064  | 5,053,183 |
| 3,060 | 4,063,133 |
| 2,770 | 3,064,692 |
| 3,060 | 2,889,287 |

|       |           |
|-------|-----------|
| 3,300 | 3,731,593 |
| 3,100 | 3,129,455 |
| 3,300 | 4,682,542 |
| 4,685 | 4,016,548 |
| 4,685 | 4,235,713 |
| 2,940 | 3,521,508 |
| 2,940 | 2,584,355 |
| 3,510 | 2,739,386 |
| 3,510 | 3,460,437 |
| 1,666 | 2,234,479 |
| 1,666 | 2,076,036 |
| 2,723 | 2,739,386 |
| 2,065 | 2,450,241 |
| 2,065 | 2,652,047 |
| 2,723 | 2,888,346 |
| 3,120 | 3,916,433 |
| 3,120 | 3,349,401 |
| 3,140 |           |
| 4,800 | 3,917,809 |
| 8313  | 4,462,503 |
| 4,730 | 4,939,794 |
| 4,290 | 2,868,942 |
| 2,455 | 2,077,343 |
| 2,380 | 3,954,452 |
|       | 3,589,044 |
|       | 3,496,350 |
|       | 4,182,877 |
| 4,880 | 5,381,697 |
| 4,880 | 5,785,312 |
| 4,100 | 4,063,389 |
| 4,100 |           |
|       | 5,083,618 |
|       | 3,335,535 |
|       | 5,033,094 |
| 3,295 | 4,063,133 |
| 3,295 | 4,110,806 |
| 3,000 | 4,088,730 |
| 4,925 | 6,648,090 |
| 4,925 | 6,983,345 |
| 4,240 | 5,309,861 |
| 4,240 | 4,706,203 |
| 4360  | 3,945,733 |
| 4,360 | 4,996,139 |
| 3260  |           |
| 3,260 | 3,279,885 |

|       |           |
|-------|-----------|
| 4,470 | 4,719,899 |
| 4565  | 4,213,551 |
| 4,565 | 4,802,411 |
| 4,650 | 5,860,994 |
| 5,240 | 4,084,940 |
| 4005  | 4,458,355 |
| 4,170 | 3,558,340 |
| 2,690 | 3,474,182 |
| 3,000 | 3,933,597 |
| 5,015 | 3,964,834 |
| 5,015 | 3,683,850 |
| 5,440 | 3,297,099 |
| 5,585 | 3,470,101 |
| 5,585 | 5,073,167 |
| 5,585 | 3,523,259 |