

**TABLE #10**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**  
**SECTION C - SUBSECTION #9**

PLAINS MARKETING, LP  
 FORMER MALJAMAR STATION  
 EDDY COUNTY, NEW MEXICO  
 PLAINS SRS: HDO-95-61 FORMER MALJAMAR STATION  
 NMOCD REFERENCE #: 2RP-2504

| SAMPLE LOCATION                            | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 |                    |                              |                              |                         |                             |                          | METHOD: 8015M                                     |                                                    |                                                    | TPH<br>C <sub>6</sub> -C <sub>35</sub><br>(mg/Kg) | 300.1               |
|--------------------------------------------|--------------------|-------------|-------------|--------------------------------|--------------------|------------------------------|------------------------------|-------------------------|-----------------------------|--------------------------|---------------------------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------------|---------------------|
|                                            |                    |             |             | BENZENE<br>(mg/Kg)             | TOLUENE<br>(mg/Kg) | ETHYL-<br>BENZENE<br>(mg/Kg) | M.P. -<br>XYLENES<br>(mg/Kg) | O-<br>XYLENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) | TOTAL<br>BTEX<br>(mg/Kg) | GRO<br>C <sub>6</sub> -C <sub>12</sub><br>(mg/Kg) | DRO<br>C <sub>12</sub> -C <sub>28</sub><br>(mg/Kg) | ORO<br>C <sub>28</sub> -C <sub>35</sub><br>(mg/Kg) |                                                   | CHLORIDE<br>(mg/Kg) |
| Sec. C - Floor 9 @ Surface                 | 5'                 | 4/16/2015   | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 1,390                                             | 8,500                                              | 249                                                | <b>10,100</b>                                     | -                   |
| Sec. C - Floor 9 @ 1'                      | 6'                 | 4/16/2015   | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 1,710                                             | 4,980                                              | 193                                                | <b>6,880</b>                                      | -                   |
| Sec. C - 9 @ 6' - S. Wall                  | 6'                 | 7/2/2015    | Excavated   | 0.0524                         | 0.215              | 0.434                        | 0.772                        | 0.127                   | 0.899                       | 1.60                     | 1,830                                             | 8,020                                              | 871                                                | <b>10,700</b>                                     | 34.6                |
| Sec. C - 9 @ 9' - N. Wall                  | 9'                 | 8/6/2015    | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 472                                               | 15,500                                             | 4,550                                              | <b>20,600</b>                                     | 10.6                |
| Sec. C - 9 @ 9' - E. Wall                  | 9'                 | 8/6/2015    | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 564                                               | 4,820                                              | 803                                                | <b>6,180</b>                                      | 153                 |
| Sec. C - 9 @ 9' - W. Wall                  | 9'                 | 8/6/2015    | In-Situ     | <0.0217                        | <0.0022            | 0.0079                       | 0.0163                       | 0.0021                  | 0.0184                      | 0.0263                   | 61.8                                              | 1,060                                              | 253                                                | 1,380                                             | <b>1,010</b>        |
| Sec. C - 9 @ 10' - Floor                   | 10'                | 8/6/2015    | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 1,320                                             | 7,510                                              | 1,520                                              | <b>10,400</b>                                     | 16.7                |
| Sec. C - 9 @ 11' - N. Wall                 | 11'                | 8/13/2015   | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 757                                               | 5,490                                              | 767                                                | <b>7,010</b>                                      | 20.7                |
| Sec. C - 9 @ 11' - E. Wall                 | 11'                | 8/13/2015   | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 1,600                                             | 6,180                                              | 919                                                | <b>8,700</b>                                      | 211                 |
| Sec. C - 9 @ 12' - Trench                  | 12'                | 8/13/2015   | In-Situ     | <0.0011                        | <0.0022            | 0.0291                       | 0.0609                       | 0.0160                  | 0.0769                      | 0.1060                   | 156                                               | 2,670                                              | 330                                                | 3,160                                             | 7.72                |
| Sec. C - 9 @ 14' - Trench                  | 14'                | 8/13/2015   | In-Situ     | <0.0011                        | 0.0139             | 0.1030                       | 0.2070                       | 0.0702                  | 0.2772                      | 0.3941                   | 370                                               | 2,030                                              | 273                                                | 2,670                                             | 2.78                |
| Sec. C - 9 @ 11' - N. Wall B               | 11'                | 8/20/2015   | In-Situ     | <0.0011                        | <0.0022            | <0.0011                      | 0.0022                       | <0.0011                 | 0.0022                      | 0.0022                   | 45.3                                              | 343                                                | 40.3                                               | 428                                               | 2.55                |
| Sec. C - 9 @ 11' - NW Wall                 | 11'                | 8/20/2015   | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 1,500                                             | 3,820                                              | 500                                                | <b>5,810</b>                                      | 23.4                |
| Sec. C - 9 @ 11' - E. Wall B               | 11'                | 8/20/2015   | Excavated   | -                              | -                  | -                            | -                            | -                       | -                           | -                        | 1,740                                             | 4,220                                              | 563                                                | <b>6,520</b>                                      | 14.0                |
| Sec. C - 9 @ 12' - Floor                   | 12'                | 8/20/2015   | In-Situ     | 0.0567                         | <0.111             | 3.49                         | 6.52                         | 1.90                    | 8.42                        | 12.0                     | 1,340                                             | 3,030                                              | 466                                                | 4,840                                             | 8.67                |
| NMOCD Recommended Remediation Action Level |                    |             |             | 10                             |                    |                              |                              |                         |                             | 50                       |                                                   |                                                    |                                                    | 5,000                                             | 1,000               |

- = Not analyzed.