

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1664

**Client:** Weston Solutions, Inc.

**Analytical Method:** SW8270E

| Parameter                        | Spike | Sample Result                                   | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|-------|-------------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: Q1664-05MS</b> |       | <b>Client Sample ID: P001-BBDGA-001-01-05MS</b> |        | <b>DataFile: BG064135.D</b> |     |          |     |          |     |             |     |
| Benzaldehyde                     | 50    | 0                                               | 46.4   | ug/L                        | 93  |          |     |          | 10  | 137         |     |
| Phenol                           | 50    | 0                                               | 12.9   | ug/L                        | 26  |          |     |          | 10  | 130         |     |
| bis(2-Chloroethyl)ether          | 50    | 0                                               | 46.5   | ug/L                        | 93  |          |     |          | 29  | 141         |     |
| 2-Chlorophenol                   | 50    | 0                                               | 38.6   | ug/L                        | 77  |          |     |          | 23  | 127         |     |
| 2-Methylphenol                   | 50    | 0                                               | 32.9   | ug/L                        | 66  |          |     |          | 60  | 131         |     |
| 2,2-oxybis(1-Chloropropane)      | 50    | 0                                               | 44.3   | ug/L                        | 89  |          |     |          | 36  | 141         |     |
| Acetophenone                     | 50    | 0                                               | 50.9   | ug/L                        | 102 |          |     |          | 31  | 164         |     |
| 3+4-Methylphenols                | 50    | 0                                               | 29.0   | ug/L                        | 58  |          |     |          | 54  | 136         |     |
| N-Nitroso-di-n-propylamine       | 50    | 0                                               | 49.7   | ug/L                        | 99  |          |     |          | 36  | 147         |     |
| Hexachloroethane                 | 50    | 0                                               | 38.0   | ug/L                        | 76  |          |     |          | 19  | 146         |     |
| Nitrobenzene                     | 50    | 0                                               | 55.6   | ug/L                        | 111 |          |     |          | 62  | 112         |     |
| Isophorone                       | 50    | 0                                               | 54.7   | ug/L                        | 109 |          |     |          | 39  | 146         |     |
| 2-Nitrophenol                    | 50    | 0                                               | 59.0   | ug/L                        | 118 |          |     |          | 30  | 148         |     |
| 2,4-Dimethylphenol               | 50    | 0                                               | 65.4   | ug/L                        | 131 |          |     |          | 17  | 143         |     |
| bis(2-Chloroethoxy)methane       | 50    | 0                                               | 51.1   | ug/L                        | 102 |          |     |          | 39  | 143         |     |
| 2,4-Dichlorophenol               | 50    | 0                                               | 52.3   | ug/L                        | 105 |          |     |          | 22  | 146         |     |
| Naphthalene                      | 50    | 0                                               | 45.7   | ug/L                        | 91  |          |     |          | 17  | 157         |     |
| 4-Chloroaniline                  | 50    | 0                                               | 21.1   | ug/L                        | 42  |          |     |          | 10  | 95          |     |
| Hexachlorobutadiene              | 50    | 0                                               | 42.2   | ug/L                        | 84  |          |     |          | 52  | 125         |     |
| Caprolactam                      | 50    | 0                                               | 9.40   | ug/L                        | 19  |          |     |          | 10  | 130         |     |
| 4-Chloro-3-methylphenol          | 50    | 0                                               | 47.8   | ug/L                        | 96  |          |     |          | 17  | 148         |     |
| 2-Methylnaphthalene              | 50    | 0                                               | 45.4   | ug/L                        | 91  |          |     |          | 38  | 146         |     |
| Hexachlorocyclopentadiene        | 100   | 0                                               | 230    | ug/L                        | 230 | *        |     |          | 20  | 153         |     |
| 2,4,6-Trichlorophenol            | 50    | 0                                               | 61.6   | ug/L                        | 123 | *        |     |          | 78  | 112         |     |
| 2,4,5-Trichlorophenol            | 50    | 0                                               | 61.5   | ug/L                        | 123 | *        |     |          | 71  | 111         |     |
| 1,1-Biphenyl                     | 50    | 0                                               | 53.0   | ug/L                        | 106 |          |     |          | 38  | 154         |     |
| 2-Chloronaphthalene              | 50    | 0                                               | 53.4   | ug/L                        | 107 |          |     |          | 41  | 145         |     |
| 2-Nitroaniline                   | 50    | 0                                               | 59.1   | ug/L                        | 118 |          |     |          | 39  | 151         |     |
| Dimethylphthalate                | 50    | 0                                               | 54.8   | ug/L                        | 110 |          |     |          | 42  | 147         |     |
| Acenaphthylene                   | 50    | 0                                               | 56.3   | ug/L                        | 113 |          |     |          | 40  | 141         |     |
| 2,6-Dinitrotoluene               | 50    | 0                                               | 55.4   | ug/L                        | 111 |          |     |          | 43  | 148         |     |
| 3-Nitroaniline                   | 50    | 0                                               | 27.7   | ug/L                        | 55  |          |     |          | 10  | 111         |     |
| Acenaphthene                     | 50    | 0                                               | 53.0   | ug/L                        | 106 |          |     |          | 37  | 146         |     |
| 2,4-Dinitrophenol                | 100   | 0                                               | 140    | ug/L                        | 140 |          |     |          | 14  | 167         |     |
| 4-Nitrophenol                    | 100   | 0                                               | 36.4   | ug/L                        | 36  |          |     |          | 10  | 130         |     |
| Dibenzofuran                     | 50    | 0                                               | 50.6   | ug/L                        | 101 |          |     |          | 41  | 145         |     |
| 2,4-Dinitrotoluene               | 50    | 0                                               | 59.5   | ug/L                        | 119 |          |     |          | 74  | 137         |     |
| Diethylphthalate                 | 50    | 0                                               | 52.9   | ug/L                        | 106 |          |     |          | 41  | 148         |     |
| 4-Chlorophenyl-phenylether       | 50    | 0                                               | 51.1   | ug/L                        | 102 |          |     |          | 38  | 149         |     |
| Fluorene                         | 50    | 0                                               | 53.7   | ug/L                        | 107 |          |     |          | 39  | 144         |     |
| 4-Nitroaniline                   | 50    | 0                                               | 53.7   | ug/L                        | 107 |          |     |          | 27  | 138         |     |
| 4,6-Dinitro-2-methylphenol       | 50    | 0                                               | 70.3   | ug/L                        | 141 |          |     |          | 32  | 175         |     |
| N-Nitrosodiphenylamine           | 50    | 0                                               | 55.9   | ug/L                        | 112 |          |     |          | 40  | 150         |     |
| 4-Bromophenyl-phenylether        | 50    | 0                                               | 57.4   | ug/L                        | 115 |          |     |          | 42  | 151         |     |
| Hexachlorobenzene                | 50    | 0                                               | 55.4   | ug/L                        | 111 |          |     |          | 72  | 115         |     |
| Atrazine                         | 50    | 0                                               | 79.3   | ug/L                        | 159 |          |     |          | 20  | 162         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1664

**Client:** Weston Solutions, Inc.

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| Pentachlorophenol          | 100   | 0                | 130    | ug/L  | 130 |             |     |             | 52  | 162            |     |
| Phenanthrene               | 50    | 0                | 56.7   | ug/L  | 113 |             |     |             | 40  | 147            |     |
| Anthracene                 | 50    | 0                | 57.6   | ug/L  | 115 |             |     |             | 41  | 146            |     |
| Carbazole                  | 50    | 0                | 58.7   | ug/L  | 117 |             |     |             | 37  | 154            |     |
| Di-n-butylphthalate        | 50    | 0                | 60.0   | ug/L  | 120 |             |     |             | 40  | 151            |     |
| Fluoranthene               | 50    | 0                | 58.8   | ug/L  | 118 |             |     |             | 42  | 146            |     |
| Pyrene                     | 50    | 0                | 53.3   | ug/L  | 107 |             |     |             | 41  | 149            |     |
| Butylbenzylphthalate       | 50    | 0                | 61.4   | ug/L  | 123 |             |     |             | 39  | 155            |     |
| 3,3-Dichlorobenzidine      | 50    | 0                | 33.0   | ug/L  | 66  |             |     |             | 10  | 114            |     |
| Benzo(a)anthracene         | 50    | 0                | 57.2   | ug/L  | 114 |             |     |             | 41  | 147            |     |
| Chrysene                   | 50    | 0                | 54.8   | ug/L  | 110 |             |     |             | 44  | 144            |     |
| bis(2-Ethylhexyl)phthalate | 50    | 0                | 65.3   | ug/L  | 131 |             |     |             | 33  | 160            |     |
| Di-n-octyl phthalate       | 50    | 0                | 64.8   | ug/L  | 130 |             |     |             | 36  | 158            |     |
| Benzo(b)fluoranthene       | 50    | 0                | 56.0   | ug/L  | 112 |             |     |             | 40  | 150            |     |
| Benzo(k)fluoranthene       | 50    | 0                | 55.4   | ug/L  | 111 |             |     |             | 40  | 147            |     |
| Benzo(a)pyrene             | 50    | 0                | 60.0   | ug/L  | 120 |             |     |             | 42  | 147            |     |
| Indeno(1,2,3-cd)pyrene     | 50    | 0                | 59.7   | ug/L  | 119 |             |     |             | 30  | 166            |     |
| Dibenz(a,h)anthracene      | 50    | 0                | 60.0   | ug/L  | 120 |             |     |             | 23  | 172            |     |
| Benzo(g,h,i)perylene       | 50    | 0                | 56.7   | ug/L  | 113 |             |     |             | 27  | 167            |     |
| 1,2,4,5-Tetrachlorobenzene | 50    | 0                | 50.9   | ug/L  | 102 |             |     |             | 89  | 102            |     |
| 1,4-Dioxane                | 50    | 0                | 15.1   | ug/L  | 30  | *           |     |             | 38  | 130            |     |
| 2,3,4,6-Tetrachlorophenol  | 50    | 0                | 60.9   | ug/L  | 122 | *           |     |             | 91  | 111            |     |