

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q3098

**Analytical Method:** SW625.1

**Client:** Ardmore Chemical

**DataFile:** BP025803.D

| Parameter                         | Spike | Sample Result                      | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|------------------------------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: Q3098-06MSD</b> |       | <b>Client Sample ID: EFF-WWMSD</b> |        |       |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine            | 51    | 0                                  | 22.1   | ug/L  | 43  |          | 2   |          | 10  | 160         | 20  |
| Phenol                            | 51    | 2.20                               | 18.0   | ug/L  | 31  |          | 3   |          | 5   | 120         | 20  |
| bis(2-Chloroethyl)ether           | 51    | 0                                  | 49.8   | ug/L  | 98  |          | 0   |          | 12  | 158         | 20  |
| 2-Chlorophenol                    | 51    | 2.60                               | 43.1   | ug/L  | 79  |          | 3   |          | 23  | 134         | 20  |
| 2,2-oxybis(1-Chloropropane)       | 51    | 0                                  | 47.6   | ug/L  | 93  |          | 2   |          | 36  | 166         | 20  |
| N-Nitroso-di-n-propylamine        | 51    | 0                                  | 47.9   | ug/L  | 94  |          | 2   |          | 1   | 230         | 20  |
| Hexachloroethane                  | 51    | 0                                  | 44.9   | ug/L  | 88  |          | 1   |          | 40  | 120         | 20  |
| Nitrobenzene                      | 51    | 0                                  | 65.6   | ug/L  | 129 |          | 0   |          | 35  | 180         | 20  |
| Isophorone                        | 51    | 0                                  | 62.2   | ug/L  | 122 |          | 2   |          | 21  | 196         | 20  |
| 2-Nitrophenol                     | 51    | 0                                  | 63.9   | ug/L  | 125 |          | 2   |          | 29  | 182         | 20  |
| 2,4-Dimethylphenol                | 51    | 0                                  | 58.2   | ug/L  | 114 |          | 1   |          | 32  | 120         | 20  |
| bis(2-Chloroethoxy)methane        | 51    | 0                                  | 64.5   | ug/L  | 126 |          | 2   |          | 33  | 184         | 20  |
| 2,4-Dichlorophenol                | 51    | 0                                  | 58.1   | ug/L  | 114 |          | 0   |          | 39  | 135         | 20  |
| 1,2,4-Trichlorobenzene            | 51    | 0                                  | 55.3   | ug/L  | 108 |          | 0   |          | 44  | 142         | 20  |
| Naphthalene                       | 51    | 0                                  | 49.5   | ug/L  | 97  |          | 2   |          | 21  | 133         | 20  |
| Hexachlorobutadiene               | 51    | 0                                  | 51.0   | ug/L  | 100 |          | 3   |          | 24  | 120         | 20  |
| 4-Chloro-3-methylphenol           | 51    | 0                                  | 52.7   | ug/L  | 103 |          | 2   |          | 22  | 147         | 20  |
| Hexachlorocyclopentadiene         | 100   | 0                                  | 54.5   | ug/L  | 55  |          | 18  |          | 10  | 218         | 20  |
| 2,4,6-Trichlorophenol             | 51    | 0                                  | 51.9   | ug/L  | 102 |          | 2   |          | 37  | 144         | 20  |
| 2-Chloronaphthalene               | 51    | 0                                  | 52.8   | ug/L  | 104 |          | 4   |          | 60  | 120         | 20  |
| Dimethylphthalate                 | 51    | 0                                  | 49.5   | ug/L  | 97  |          | 1   |          | 1   | 120         | 20  |
| Acenaphthylene                    | 51    | 0                                  | 50.7   | ug/L  | 99  |          | 0   |          | 33  | 145         | 20  |
| 2,6-Dinitrotoluene                | 51    | 0                                  | 51.4   | ug/L  | 101 |          | 0   |          | 50  | 158         | 20  |
| Acenaphthene                      | 51    | 0                                  | 50.5   | ug/L  | 99  |          | 3   |          | 47  | 145         | 20  |
| 2,4-Dinitrophenol                 | 100   | 0                                  | 89.1   | ug/L  | 89  |          | 0   |          | 1   | 191         | 20  |
| 4-Nitrophenol                     | 100   | 0                                  | 0      | ug/L  | 0   | *        | 200 | *        | 1   | 132         | 20  |
| 2,4-Dinitrotoluene                | 51    | 0                                  | 49.3   | ug/L  | 97  |          | 1   |          | 39  | 139         | 20  |
| Diethylphthalate                  | 51    | 0                                  | 49.6   | ug/L  | 97  |          | 1   |          | 1   | 120         | 20  |
| 4-Chlorophenyl-phenylether        | 51    | 0                                  | 49.4   | ug/L  | 97  |          | 0   |          | 25  | 158         | 20  |
| Fluorene                          | 51    | 0                                  | 49.9   | ug/L  | 98  |          | 1   |          | 59  | 121         | 20  |
| 4,6-Dinitro-2-methylphenol        | 51    | 0                                  | 45.5   | ug/L  | 89  |          | 3   |          | 1   | 181         | 20  |
| N-Nitrosodiphenylamine            | 51    | 0                                  | 43.7   | ug/L  | 86  |          | 11  |          | 59  | 137         | 20  |
| Azobenzene                        | 51    | 0                                  | 49.1   | ug/L  | 96  |          | 0   |          | 70  | 124         | 20  |
| 4-Bromophenyl-phenylether         | 51    | 0                                  | 53.3   | ug/L  | 105 |          | 4   |          | 53  | 127         | 20  |
| Hexachlorobenzene                 | 51    | 0                                  | 52.0   | ug/L  | 102 |          | 2   |          | 1   | 152         | 20  |
| Pentachlorophenol                 | 100   | 0                                  | 100    | ug/L  | 100 |          | 0   |          | 14  | 176         | 20  |
| Phenanthrene                      | 51    | 0                                  | 51.9   | ug/L  | 102 |          | 1   |          | 54  | 120         | 20  |
| Anthracene                        | 51    | 0                                  | 51.9   | ug/L  | 102 |          | 1   |          | 27  | 133         | 20  |
| Di-n-butylphthalate               | 51    | 0                                  | 54.7   | ug/L  | 107 |          | 3   |          | 1   | 120         | 20  |
| Fluoranthene                      | 51    | 0                                  | 50.4   | ug/L  | 99  |          | 2   |          | 26  | 137         | 20  |
| Benzidine                         | 100   | 0                                  | 0      | ug/L  | 0   | *        | 0   |          | 10  | 159         | 20  |
| Pyrene                            | 51    | 0                                  | 53.3   | ug/L  | 105 |          | 4   |          | 52  | 120         | 20  |
| Butylbenzylphthalate              | 51    | 0                                  | 52.3   | ug/L  | 103 |          | 3   |          | 1   | 152         | 20  |
| 3,3-Dichlorobenzidine             | 51    | 0                                  | 0      | ug/L  | 0   | *        | 0   |          | 1   | 262         | 20  |
| Benzo(a)anthracene                | 51    | 0                                  | 52.6   | ug/L  | 103 |          | 0   |          | 33  | 143         | 20  |
| Chrysene                          | 51    | 0                                  | 51.4   | ug/L  | 101 |          | 0   |          | 17  | 168         | 20  |

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**Client:** Ardmore Chemical

**DataFile:** BP025803.D

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| bis(2-Ethylhexyl)phthalate | 51    | 0                | 32.8   | ug/L  | 64  |             | 16  |             | 8   | 158            | 20  |
| Di-n-octyl phthalate       | 51    | 0                | 56.5   | ug/L  | 111 |             | 1   |             | 4   | 146            | 20  |
| Benzo(b)fluoranthene       | 51    | 0                | 52.7   | ug/L  | 103 |             | 3   |             | 24  | 159            | 20  |
| Benzo(k)fluoranthene       | 51    | 0                | 52.7   | ug/L  | 103 |             | 1   |             | 11  | 162            | 20  |
| Benzo(a)pyrene             | 51    | 0                | 51.2   | ug/L  | 100 |             | 1   |             | 17  | 163            | 20  |
| Indeno(1,2,3-cd)pyrene     | 51    | 0                | 53.5   | ug/L  | 105 |             | 0   |             | 1   | 171            | 20  |
| Dibenz(a,h)anthracene      | 51    | 0                | 54.3   | ug/L  | 106 |             | 0   |             | 1   | 227            | 20  |
| Benzo(g,h,i)perylene       | 51    | 0                | 53.9   | ug/L  | 106 |             | 1   |             | 1   | 219            | 20  |