

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1907

**Client:** Walsh Construction Company II, LLC

**Analytical Method:** SW8270E

| Parameter                   | Spike              | Sample Result            | Result         | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD |
|-----------------------------|--------------------|--------------------------|----------------|-------|-----|----------|-----|------------------|-------------------|-------------|-----|
| <b>Lab Sample ID:</b>       | <b>Q1914-11MSD</b> | <b>Client Sample ID:</b> | <b>SS-8MSD</b> |       |     |          |     | <b>DataFile:</b> | <b>BM050084.D</b> |             |     |
| Benzaldehyde                | 1800               | 0                        | 1400           | ug/Kg | 78  |          | 0   |                  | 10                | 86          | 20  |
| Phenol                      | 1800               | 0                        | 1500           | ug/Kg | 83  |          | 6   |                  | 67                | 126         | 20  |
| bis(2-Chloroethyl)ether     | 1800               | 0                        | 1500           | ug/Kg | 83  |          | 6   |                  | 54                | 125         | 20  |
| 2-Chlorophenol              | 1800               | 0                        | 1500           | ug/Kg | 83  |          | 0   |                  | 79                | 107         | 20  |
| 2-Methylphenol              | 1800               | 0                        | 1400           | ug/Kg | 78  |          | 0   |                  | 66                | 122         | 20  |
| 2,2-oxybis(1-Chloropropane) | 1800               | 0                        | 1100           | ug/Kg | 61  | *        | 0   |                  | 65                | 110         | 20  |
| Acetophenone                | 1800               | 0                        | 6300           | ug/Kg | 350 | *        | 5   |                  | 75                | 111         | 20  |
| 3+4-Methylphenols           | 1800               | 0                        | 1300           | ug/Kg | 72  |          | 0   |                  | 66                | 104         | 20  |
| N-Nitroso-di-n-propylamine  | 1800               | 0                        | 1100           | ug/Kg | 61  |          | 0   |                  | 59                | 119         | 20  |
| Hexachloroethane            | 1800               | 0                        | 5200           | ug/Kg | 289 | *        | 2   |                  | 65                | 117         | 20  |
| Nitrobenzene                | 1800               | 0                        | 2500           | ug/Kg | 139 | *        | 8   |                  | 70                | 119         | 20  |
| Isophorone                  | 1800               | 0                        | 2900           | ug/Kg | 161 | *        | 3   |                  | 76                | 122         | 20  |
| 2-Nitrophenol               | 1800               | 0                        | 2500           | ug/Kg | 139 |          | 4   |                  | 54                | 145         | 20  |
| 2,4-Dimethylphenol          | 1800               | 0                        | 2300           | ug/Kg | 128 |          | 9   |                  | 44                | 135         | 20  |
| bis(2-Chloroethoxy)methane  | 1800               | 0                        | 1900           | ug/Kg | 106 |          | 6   |                  | 68                | 112         | 20  |
| 2,4-Dichlorophenol          | 1800               | 0                        | 2500           | ug/Kg | 139 | *        | 8   |                  | 72                | 118         | 20  |
| Naphthalene                 | 1800               | 2000                     | 3300           | ug/Kg | 72  |          | 7   |                  | 72                | 110         | 20  |
| 4-Chloroaniline             | 1800               | 0                        | 520            | ug/Kg | 29  |          | 7   |                  | 10                | 91          | 20  |
| Hexachlorobutadiene         | 1800               | 0                        | 2500           | ug/Kg | 139 | *        | 8   |                  | 66                | 114         | 20  |
| Caprolactam                 | 1800               | 0                        | 2800           | ug/Kg | 156 | *        | 3   |                  | 51                | 134         | 20  |
| 4-Chloro-3-methylphenol     | 1800               | 0                        | 1900           | ug/Kg | 106 |          | 6   |                  | 57                | 132         | 20  |
| 2-Methylnaphthalene         | 1800               | 5800                     | 5900           | ug/Kg | 6   | *        | 0   |                  | 59                | 123         | 20  |
| Hexachlorocyclopentadiene   | 3600               | 0                        | 3100           | ug/Kg | 86  |          | 0   |                  | 10                | 175         | 20  |
| 2,4,6-Trichlorophenol       | 1800               | 0                        | 1700           | ug/Kg | 94  |          | 5   |                  | 72                | 117         | 20  |
| 2,4,5-Trichlorophenol       | 1800               | 0                        | 1700           | ug/Kg | 94  |          | 5   |                  | 72                | 117         | 20  |
| 1,1-Biphenyl                | 1800               | 490                      | 1500           | ug/Kg | 56  | *        | 9   |                  | 75                | 113         | 20  |
| 2-Chloronaphthalene         | 1800               | 0                        | 1400           | ug/Kg | 78  |          | 8   |                  | 67                | 118         | 20  |
| 2-Nitroaniline              | 1800               | 0                        | 1300           | ug/Kg | 72  |          | 7   |                  | 69                | 127         | 20  |
| Dimethylphthalate           | 1800               | 0                        | 1300           | ug/Kg | 72  |          | 7   |                  | 70                | 113         | 20  |
| Acenaphthylene              | 1800               | 0                        | 1400           | ug/Kg | 78  | *        | 8   |                  | 79                | 118         | 20  |
| 2,6-Dinitrotoluene          | 1800               | 0                        | 1600           | ug/Kg | 89  |          | 7   |                  | 70                | 125         | 20  |
| 3-Nitroaniline              | 1800               | 0                        | 650            | ug/Kg | 36  |          | 6   |                  | 30                | 99          | 20  |
| Acenaphthene                | 1800               | 190                      | 1500           | ug/Kg | 73  |          | 9   |                  | 70                | 121         | 20  |
| 2,4-Dinitrophenol           | 3600               | 0                        | 2500           | ug/Kg | 69  |          | 3   |                  | 10                | 155         | 20  |
| 4-Nitrophenol               | 3600               | 0                        | 3300           | ug/Kg | 92  |          | 7   |                  | 45                | 133         | 20  |
| Dibenzofuran                | 1800               | 0                        | 1500           | ug/Kg | 83  |          | 6   |                  | 72                | 110         | 20  |
| 2,4-Dinitrotoluene          | 1800               | 0                        | 1500           | ug/Kg | 83  |          | 6   |                  | 55                | 128         | 20  |
| Diethylphthalate            | 1800               | 0                        | 1400           | ug/Kg | 78  |          | 8   |                  | 70                | 112         | 20  |
| 4-Chlorophenyl-phenylether  | 1800               | 0                        | 1500           | ug/Kg | 83  |          | 6   |                  | 71                | 108         | 20  |
| Fluorene                    | 1800               | 0                        | 1700           | ug/Kg | 94  |          | 5   |                  | 68                | 116         | 20  |
| 4-Nitroaniline              | 1800               | 0                        | 1000           | ug/Kg | 56  |          | 4   |                  | 55                | 120         | 20  |
| 4,6-Dinitro-2-methylphenol  | 1800               | 0                        | 1300           | ug/Kg | 72  |          | 0   |                  | 10                | 160         | 20  |
| N-Nitrosodiphenylamine      | 1800               | 0                        | 1800           | ug/Kg | 100 |          | 0   |                  | 73                | 118         | 20  |
| 4-Bromophenyl-phenylether   | 1800               | 0                        | 1700           | ug/Kg | 94  |          | 5   |                  | 65                | 121         | 20  |
| Hexachlorobenzene           | 1800               | 0                        | 1600           | ug/Kg | 89  |          | 0   |                  | 67                | 118         | 20  |
| Atrazine                    | 1800               | 0                        | 2000           | ug/Kg | 111 |          | 0   |                  | 79                | 127         | 20  |

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**Client:** Walsh Construction Company II, LLC

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| Pentachlorophenol          | 3600  | 0                | 3900   | ug/Kg | 108 |             | 5   |             | 47  | 128            | 20  |
| Phenanthrene               | 1800  | 1400             | 2500   | ug/Kg | 61  |             | 0   |             | 52  | 128            | 20  |
| Anthracene                 | 1800  | 220              | 1700   | ug/Kg | 82  |             | 6   |             | 62  | 124            | 20  |
| Carbazole                  | 1800  | 0                | 1500   | ug/Kg | 83  |             | 0   |             | 59  | 119            | 20  |
| Di-n-butylphthalate        | 1800  | 240              | 1400   | ug/Kg | 64  | *           | 0   |             | 69  | 118            | 20  |
| Fluoranthene               | 1800  | 2000             | 3100   | ug/Kg | 61  |             | 0   |             | 44  | 125            | 20  |
| Pyrene                     | 1800  | 1800             | 2700   | ug/Kg | 50  |             | 13  |             | 26  | 142            | 20  |
| Butylbenzylphthalate       | 1800  | 0                | 1300   | ug/Kg | 72  |             | 0   |             | 64  | 126            | 20  |
| 3,3-Dichlorobenzidine      | 1800  | 0                | 220    | ug/Kg | 12  | *           | 0   |             | 33  | 116            | 20  |
| Benzo(a)anthracene         | 1800  | 930              | 2300   | ug/Kg | 76  |             | 7   |             | 71  | 114            | 20  |
| Chrysene                   | 1800  | 860              | 2200   | ug/Kg | 74  |             | 7   |             | 57  | 121            | 20  |
| bis(2-Ethylhexyl)phthalate | 1800  | 960              | 1700   | ug/Kg | 41  | *           | 14  |             | 42  | 169            | 20  |
| Di-n-octyl phthalate       | 1800  | 0                | 1500   | ug/Kg | 83  |             | 6   |             | 23  | 175            | 20  |
| Benzo(b)fluoranthene       | 1800  | 980              | 2200   | ug/Kg | 68  |             | 0   |             | 67  | 121            | 20  |
| Benzo(k)fluoranthene       | 1800  | 330              | 1700   | ug/Kg | 76  |             | 0   |             | 57  | 134            | 20  |
| Benzo(a)pyrene             | 1800  | 770              | 2100   | ug/Kg | 74  |             | 0   |             | 70  | 142            | 20  |
| Indeno(1,2,3-cd)pyrene     | 1800  | 420              | 1900   | ug/Kg | 82  |             | 0   |             | 40  | 129            | 20  |
| Dibenz(a,h)anthracene      | 1800  | 140              | 1700   | ug/Kg | 87  |             | 7   |             | 43  | 123            | 20  |
| Benzo(g,h,i)perylene       | 1800  | 490              | 2000   | ug/Kg | 84  |             | 0   |             | 24  | 125            | 20  |
| 1,2,4,5-Tetrachlorobenzene | 1800  | 0                | 1800   | ug/Kg | 100 |             | 12  |             | 69  | 124            | 20  |
| 1,4-Dioxane                | 1800  | 0                | 1500   | ug/Kg | 83  |             | 0   |             | 46  | 112            | 20  |
| 2,3,4,6-Tetrachlorophenol  | 1800  | 0                | 1700   | ug/Kg | 94  |             | 5   |             | 69  | 112            | 20  |