

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1069

**Client:** Tetra Tech NUS, Inc.

**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>Q1068-01MSD</b> | <b>Client Sample ID:</b> | <b>TR-06-1-10-2025MSD</b> |       |     |          |     | <b>DataFile:</b> | <b>BF141176.D</b> |             |     |
| Benzaldehyde                | 1100               | 0                        | 130                       | ug/Kg | 12  |          | 9   |                  | 10                | 161         | 20  |
| Phenol                      | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 12  |                  | 34                | 121         | 20  |
| bis(2-Chloroethyl)ether     | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 5   |                  | 31                | 120         | 20  |
| 2-Chlorophenol              | 1100               | 0                        | 670                       | ug/Kg | 61  |          | 9   |                  | 34                | 121         | 20  |
| 2-Methylphenol              | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 10  |                  | 32                | 122         | 20  |
| 2,2-oxybis(1-Chloropropane) | 1100               | 0                        | 660                       | ug/Kg | 60  |          | 3   |                  | 33                | 131         | 20  |
| Acetophenone                | 1100               | 0                        | 690                       | ug/Kg | 63  |          | 0   |                  | 33                | 115         | 20  |
| 3+4-Methylphenols           | 1100               | 0                        | 710                       | ug/Kg | 65  |          | 11  |                  | 34                | 119         | 20  |
| N-Nitroso-di-n-propylamine  | 1100               | 0                        | 690                       | ug/Kg | 63  |          | 7   |                  | 36                | 120         | 20  |
| Hexachloroethane            | 1100               | 0                        | 640                       | ug/Kg | 58  |          | 4   |                  | 28                | 117         | 20  |
| Nitrobenzene                | 1100               | 0                        | 640                       | ug/Kg | 58  |          | 0   |                  | 34                | 122         | 20  |
| Isophorone                  | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 0   |                  | 30                | 122         | 20  |
| 2-Nitrophenol               | 1100               | 0                        | 550                       | ug/Kg | 50  |          | 4   |                  | 36                | 123         | 20  |
| 2,4-Dimethylphenol          | 1100               | 0                        | 810                       | ug/Kg | 74  |          | 3   |                  | 30                | 127         | 20  |
| bis(2-Chloroethoxy)methane  | 1100               | 0                        | 680                       | ug/Kg | 62  |          | 2   |                  | 36                | 121         | 20  |
| 2,4-Dichlorophenol          | 1100               | 0                        | 640                       | ug/Kg | 58  |          | 5   |                  | 40                | 122         | 20  |
| Naphthalene                 | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 2   |                  | 35                | 123         | 20  |
| 4-Chloroaniline             | 1100               | 0                        | 290                       | ug/Kg | 26  |          | 12  |                  | 17                | 106         | 20  |
| Hexachlorobutadiene         | 1100               | 0                        | 630                       | ug/Kg | 57  |          | 3   |                  | 32                | 123         | 20  |
| Caprolactam                 | 1100               | 0                        | 670                       | ug/Kg | 61  |          | 14  |                  | 46                | 117         | 20  |
| 4-Chloro-3-methylphenol     | 1100               | 0                        | 710                       | ug/Kg | 65  |          | 15  |                  | 45                | 122         | 20  |
| 2-Methylnaphthalene         | 1100               | 0                        | 710                       | ug/Kg | 65  |          | 5   |                  | 38                | 122         | 20  |
| Hexachlorocyclopentadiene   | 2200               | 0                        | 970                       | ug/Kg | 44  |          | 37  | *                | 43                | 112         | 20  |
| 2,4,6-Trichlorophenol       | 1100               | 0                        | 390                       | ug/Kg | 35  | *        | 0   |                  | 39                | 126         | 20  |
| 2,4,5-Trichlorophenol       | 1100               | 0                        | 510                       | ug/Kg | 46  |          | 2   |                  | 41                | 124         | 20  |
| 1,1-Biphenyl                | 1100               | 0                        | 720                       | ug/Kg | 65  |          | 3   |                  | 40                | 117         | 20  |
| 2-Chloronaphthalene         | 1100               | 0                        | 680                       | ug/Kg | 62  |          | 0   |                  | 41                | 114         | 20  |
| 2-Nitroaniline              | 1100               | 0                        | 730                       | ug/Kg | 66  |          | 5   |                  | 44                | 127         | 20  |
| Dimethylphthalate           | 1100               | 0                        | 720                       | ug/Kg | 65  |          | 2   |                  | 48                | 124         | 20  |
| Acenaphthylene              | 1100               | 110                      | 850                       | ug/Kg | 67  |          | 0   |                  | 32                | 132         | 20  |
| 2,6-Dinitrotoluene          | 1100               | 0                        | 680                       | ug/Kg | 62  |          | 5   |                  | 46                | 124         | 20  |
| 3-Nitroaniline              | 1100               | 0                        | 560                       | ug/Kg | 51  |          | 13  |                  | 33                | 119         | 20  |
| Acenaphthene                | 1100               | 0                        | 680                       | ug/Kg | 62  |          | 2   |                  | 40                | 123         | 20  |
| 2,4-Dinitrophenol           | 2200               | 0                        | 0                         | ug/Kg | 0   | *        | 0   |                  | 15                | 130         | 20  |
| 4-Nitrophenol               | 2200               | 0                        | 540                       | ug/Kg | 25  | *        | 17  |                  | 30                | 132         | 20  |
| Dibenzofuran                | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 3   |                  | 44                | 120         | 20  |
| 2,4-Dinitrotoluene          | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 13  |                  | 48                | 126         | 20  |
| Diethylphthalate            | 1100               | 0                        | 710                       | ug/Kg | 65  |          | 3   |                  | 50                | 124         | 20  |
| 4-Chlorophenyl-phenylether  | 1100               | 0                        | 700                       | ug/Kg | 64  |          | 6   |                  | 45                | 121         | 20  |
| Fluorene                    | 1100               | 0                        | 720                       | ug/Kg | 65  |          | 5   |                  | 43                | 125         | 20  |
| 4-Nitroaniline              | 1100               | 0                        | 620                       | ug/Kg | 56  |          | 15  |                  | 35                | 115         | 20  |
| 4,6-Dinitro-2-methylphenol  | 1100               | 0                        | 99.8                      | ug/Kg | 9   | *        | 29  | *                | 29                | 132         | 20  |
| N-Nitrosodiphenylamine      | 1100               | 0                        | 840                       | ug/Kg | 76  |          | 0   |                  | 38                | 127         | 20  |
| 4-Bromophenyl-phenylether   | 1100               | 0                        | 780                       | ug/Kg | 71  |          | 3   |                  | 46                | 124         | 20  |
| Hexachlorobenzene           | 1100               | 0                        | 740                       | ug/Kg | 67  |          | 0   |                  | 45                | 122         | 20  |
| Atrazine                    | 1100               | 0                        | 990                       | ug/Kg | 90  |          | 1   |                  | 47                | 127         | 20  |

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**SDG No.:** Q1069

**Client:** Tetra Tech NUS, 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          | 2200  | 0                | 510    | ug/Kg | 23  | *           | 4   |             | 25  | 133            | 20  |
| Phenanthrene               | 1100  | 130              | 890    | ug/Kg | 69  |             | 1   |             | 50  | 121            | 20  |
| Anthracene                 | 1100  | 100              | 900    | ug/Kg | 73  |             | 3   |             | 47  | 123            | 20  |
| Carbazole                  | 1100  | 0                | 730    | ug/Kg | 66  |             | 0   |             | 50  | 123            | 20  |
| Di-n-butylphthalate        | 1100  | 0                | 780    | ug/Kg | 71  |             | 1   |             | 51  | 128            | 20  |
| Fluoranthene               | 1100  | 190              | 930    | ug/Kg | 67  |             | 10  |             | 50  | 127            | 20  |
| Pyrene                     | 1100  | 210              | 870    | ug/Kg | 60  |             | 20  |             | 47  | 127            | 20  |
| Butylbenzylphthalate       | 1100  | 0                | 690    | ug/Kg | 63  |             | 14  |             | 48  | 132            | 20  |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 460    | ug/Kg | 42  |             | 2   |             | 22  | 121            | 20  |
| Benzo(a)anthracene         | 1100  | 160              | 870    | ug/Kg | 65  |             | 6   |             | 49  | 126            | 20  |
| Chrysene                   | 1100  | 130              | 900    | ug/Kg | 70  |             | 9   |             | 50  | 124            | 20  |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 770    | ug/Kg | 70  |             | 7   |             | 51  | 133            | 20  |
| Di-n-octyl phthalate       | 1100  | 0                | 830    | ug/Kg | 75  |             | 4   |             | 45  | 140            | 20  |
| Benzo(b)fluoranthene       | 1100  | 230              | 1100   | ug/Kg | 79  |             | 14  |             | 45  | 132            | 20  |
| Benzo(k)fluoranthene       | 1100  | 110              | 890    | ug/Kg | 71  |             | 3   |             | 47  | 132            | 20  |
| Benzo(a)pyrene             | 1100  | 280              | 1200   | ug/Kg | 84  |             | 11  |             | 45  | 129            | 20  |
| Indeno(1,2,3-cd)pyrene     | 1100  | 130              | 730    | ug/Kg | 55  |             | 14  |             | 45  | 133            | 20  |
| Dibenz(a,h)anthracene      | 1100  | 0                | 610    | ug/Kg | 55  |             | 10  |             | 45  | 134            | 20  |
| Benzo(g,h,i)perylene       | 1100  | 200              | 770    | ug/Kg | 52  |             | 14  |             | 43  | 134            | 20  |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 720    | ug/Kg | 65  |             | 3   |             | 37  | 119            | 20  |
| 1,4-Dioxane                | 1100  | 0                | 540    | ug/Kg | 49  | *           | 2   |             | 70  | 130            | 20  |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 290    | ug/Kg | 26  | *           | 12  |             | 44  | 125            | 20  |