284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q3095 **Analytical Method:** SW8260-Low

**Client:** AECOM Technical Services, In **Datafile :** VX047628.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : Q3095-07MSD** | | **Client Sample ID : MW203D2-20250909MSD** | | | | | | | | | |
| Dichlorodifluoromethane | 50 | 0 | 41.1 | ug/L | 82 | | 8 | | 32 | 152 | 20 |
| Chloromethane | 50 | 0 | 44.0 | ug/L | 88 | | 10 | | 50 | 139 | 20 |
| Vinyl chloride | 50 | 0 | 45.9 | ug/L | 92 | | 8 | | 58 | 137 | 20 |
| Bromomethane | 50 | 0 | 48.6 | ug/L | 97 | | 5 | | 53 | 141 | 20 |
| Chloroethane | 50 | 0 | 45.7 | ug/L | 91 | | 10 | | 60 | 138 | 20 |
| Trichlorofluoromethane | 50 | 0 | 44.6 | ug/L | 89 | | 7 | | 65 | 141 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 50 | 0 | 44.7 | ug/L | 89 | | 8 | | 70 | 136 | 20 |
| 1,1-Dichloroethene | 50 | 1.20 | 47.6 | ug/L | 93 | | 7 | | 71 | 131 | 20 |
| Acetone | 250 | 0 | 220 | ug/L | 88 | | 9 | | 39 | 160 | 20 |
| Carbon disulfide | 50 | 0 | 43.1 | ug/L | 86 | | 8 | | 64 | 133 | 20 |
| Methyl tert-butyl Ether | 50 | 0 | 52.3 | ug/L | 105 | | 6 | | 71 | 124 | 20 |
| Methyl Acetate | 50 | 0 | 59.0 | ug/L | 118 | | 8 | | 56 | 136 | 20 |
| Methylene Chloride | 50 | 0 | 48.5 | ug/L | 97 | | 8 | | 74 | 124 | 20 |
| trans-1,2-Dichloroethene | 50 | 0 | 48.4 | ug/L | 97 | | 7 | | 75 | 124 | 20 |
| 1,1-Dichloroethane | 50 | 5.80 | 55.6 | ug/L | 100 | | 7 | | 77 | 125 | 20 |
| Cyclohexane | 50 | 0 | 44.2 | ug/L | 88 | | 6 | | 71 | 130 | 20 |
| 2-Butanone | 250 | 0 | 270 | ug/L | 108 | | 7 | | 56 | 143 | 20 |
| Carbon Tetrachloride | 50 | 0 | 44.0 | ug/L | 88 | | 6 | | 72 | 136 | 20 |
| cis-1,2-Dichloroethene | 50 | 2.00 | 53.0 | ug/L | 102 | | 5 | | 78 | 123 | 20 |
| Bromochloromethane | 50 | 0 | 56.1 | ug/L | 112 | | 2 | | 78 | 123 | 20 |
| Chloroform | 50 | 0.46 | 51.5 | ug/L | 102 | | 6 | | 79 | 124 | 20 |
| 1,1,1-Trichloroethane | 50 | 0 | 49.9 | ug/L | 100 | | 4 | | 74 | 131 | 20 |
| Methylcyclohexane | 50 | 0 | 42.4 | ug/L | 85 | | 5 | | 72 | 132 | 20 |
| Benzene | 50 | 0 | 47.9 | ug/L | 96 | | 5 | | 79 | 120 | 20 |
| 1,2-Dichloroethane | 50 | 0 | 48.4 | ug/L | 97 | | 6 | | 73 | 128 | 20 |
| Trichloroethene | 50 | 1.90 | 49.4 | ug/L | 95 | | 5 | | 79 | 123 | 20 |
| 1,2-Dichloropropane | 50 | 0 | 49.2 | ug/L | 98 | | 5 | | 78 | 122 | 20 |
| Bromodichloromethane | 50 | 0 | 48.7 | ug/L | 97 | | 6 | | 79 | 125 | 20 |
| 4-Methyl-2-Pentanone | 250 | 0 | 280 | ug/L | 112 | | 7 | | 67 | 130 | 20 |
| Toluene | 50 | 0 | 47.9 | ug/L | 96 | | 5 | | 80 | 121 | 20 |
| t-1,3-Dichloropropene | 50 | 0 | 48.3 | ug/L | 97 | | 4 | | 73 | 127 | 20 |
| cis-1,3-Dichloropropene | 50 | 0 | 48.0 | ug/L | 96 | | 4 | | 75 | 124 | 20 |
| 1,1,2-Trichloroethane | 50 | 0 | 50.7 | ug/L | 101 | | 5 | | 80 | 119 | 20 |
| 2-Hexanone | 250 | 0 | 280 | ug/L | 112 | | 4 | | 57 | 139 | 20 |
| Dibromochloromethane | 50 | 0 | 51.1 | ug/L | 102 | | 4 | | 74 | 126 | 20 |
| 1,2-Dibromoethane | 50 | 0 | 51.7 | ug/L | 103 | | 5 | | 77 | 121 | 20 |
| Tetrachloroethene | 50 | 0.78 | 46.1 | ug/L | 91 | | 2 | | 74 | 129 | 20 |
| Chlorobenzene | 50 | 0 | 48.5 | ug/L | 97 | | 5 | | 82 | 118 | 20 |
| Ethyl Benzene | 50 | 0 | 47.9 | ug/L | 96 | | 5 | | 79 | 121 | 20 |
| m/p-Xylenes | 100 | 0 | 95.9 | ug/L | 96 | | 4 | | 80 | 121 | 20 |
| o-Xylene | 50 | 0 | 48.4 | ug/L | 97 | | 7 | | 78 | 122 | 20 |
| Styrene | 50 | 0 | 49.4 | ug/L | 99 | | 5 | | 78 | 123 | 20 |
| Bromoform | 50 | 0 | 51.8 | ug/L | 104 | | 5 | | 66 | 130 | 20 |
| Isopropylbenzene | 50 | 0 | 48.2 | ug/L | 96 | | 4 | | 72 | 131 | 20 |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 53.8 | ug/L | 108 | | 5 | | 71 | 121 | 20 |

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| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 50 | 0 | 48.8 | ug/L | 98 | | 4 | | 80 | 119 | 20 |
| 1,4-Dichlorobenzene | 50 | 0 | 47.6 | ug/L | 95 | | 4 | | 79 | 118 | 20 |
| 1,2-Dichlorobenzene | 50 | 0 | 50.0 | ug/L | 100 | | 2 | | 80 | 119 | 20 |
| 1,2-Dibromo-3-Chloropropane | 50 | 0 | 54.8 | ug/L | 110 | | 3 | | 62 | 128 | 20 |
| 1,2,4-Trichlorobenzene | 50 | 0 | 48.0 | ug/L | 96 | | 4 | | 69 | 130 | 20 |
| 1,2,3-Trichlorobenzene | 50 | 0 | 49.6 | ug/L | 99 | | 2 | | 69 | 129 | 20 |