

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

| Limits                         |             |                    |                      |       |      |      |     |            |            |     |    |
|--------------------------------|-------------|--------------------|----------------------|-------|------|------|-----|------------|------------|-----|----|
| Parameter                      | Spike       | Sample             | Result               | Units | Rec  |      | RPD | RPD        |            | RPD |    |
|                                |             | Result             |                      |       | Qual | Qual |     | Low        | High       |     |    |
| Lab Sample ID :                | Q1421-03MSD | Client Sample ID : | P001-CLAY-CF01-01MSD |       |      |      |     | Datafile : | VY021372.D |     |    |
| Dichlorodifluoromethane        | 80.5        | 0                  | 70.0                 | ug/Kg | 87   |      | 17  |            | 40         | 150 | 20 |
| Chloromethane                  | 80.5        | 0                  | 69.6                 | ug/Kg | 86   |      | 18  |            | 24         | 175 | 20 |
| Vinyl chloride                 | 80.5        | 0                  | 75.9                 | ug/Kg | 94   |      | 16  |            | 21         | 175 | 20 |
| Bromomethane                   | 80.5        | 0                  | 74.8                 | ug/Kg | 93   |      | 17  |            | 46         | 150 | 20 |
| Chloroethane                   | 80.5        | 0                  | 80.1                 | ug/Kg | 100  |      | 17  |            | 30         | 175 | 20 |
| Trichlorofluoromethane         | 80.5        | 0                  | 75.9                 | ug/Kg | 94   |      | 14  |            | 53         | 150 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 80.5        | 0                  | 73.7                 | ug/Kg | 92   |      | 9   |            | 60         | 135 | 20 |
| 1,1-Dichloroethene             | 80.5        | 0                  | 71.4                 | ug/Kg | 89   |      | 16  |            | 63         | 136 | 20 |
| Acetone                        | 400         | 54.6               | 380                  | ug/Kg | 81   |      | 13  |            | 41         | 175 | 20 |
| Carbon disulfide               | 80.5        | 0                  | 67.1                 | ug/Kg | 83   |      | 16  |            | 45         | 126 | 20 |
| Methyl tert-butyl Ether        | 80.5        | 0                  | 75.2                 | ug/Kg | 93   |      | 13  |            | 56         | 175 | 20 |
| Methyl Acetate                 | 80.5        | 0                  | 76.6                 | ug/Kg | 95   |      | 31  | *          | 32         | 175 | 20 |
| Methylene Chloride             | 80.5        | 0                  | 76.1                 | ug/Kg | 95   |      | 21  | *          | 59         | 175 | 20 |
| trans-1,2-Dichloroethene       | 80.5        | 0                  | 67.7                 | ug/Kg | 84   |      | 21  | *          | 63         | 137 | 20 |
| 1,1-Dichloroethane             | 80.5        | 0                  | 70.5                 | ug/Kg | 88   |      | 20  |            | 62         | 154 | 20 |
| Cyclohexane                    | 80.5        | 0                  | 66.1                 | ug/Kg | 82   |      | 2   |            | 41         | 131 | 20 |
| 2-Butanone                     | 400         | 0                  | 340                  | ug/Kg | 85   |      | 3   |            | 48         | 174 | 20 |
| Carbon Tetrachloride           | 80.5        | 0                  | 69.2                 | ug/Kg | 86   |      | 7   |            | 48         | 149 | 20 |
| cis-1,2-Dichloroethene         | 80.5        | 0                  | 66.8                 | ug/Kg | 83   |      | 23  | *          | 59         | 153 | 20 |
| Bromochloromethane             | 80.5        | 0                  | 75.5                 | ug/Kg | 94   |      | 8   |            | 54         | 172 | 20 |
| Chloroform                     | 80.5        | 0                  | 70.4                 | ug/Kg | 87   |      | 23  | *          | 60         | 159 | 20 |
| 1,1,1-Trichloroethane          | 80.5        | 0                  | 69.4                 | ug/Kg | 86   |      | 18  |            | 60         | 149 | 20 |
| Methylcyclohexane              | 80.5        | 0                  | 72.9                 | ug/Kg | 91   |      | 25  | *          | 19         | 135 | 20 |
| Benzene                        | 80.5        | 0                  | 68.1                 | ug/Kg | 85   |      | 16  |            | 59         | 140 | 20 |
| 1,2-Dichloroethane             | 80.5        | 0                  | 74.2                 | ug/Kg | 92   |      | 9   |            | 63         | 153 | 20 |
| Trichloroethene                | 80.5        | 0                  | 65.4                 | ug/Kg | 81   |      | 12  |            | 45         | 154 | 20 |
| 1,2-Dichloropropane            | 80.5        | 0                  | 66.9                 | ug/Kg | 83   |      | 17  |            | 67         | 141 | 20 |
| Bromodichloromethane           | 80.5        | 0                  | 64.4                 | ug/Kg | 80   |      | 21  | *          | 54         | 160 | 20 |
| 4-Methyl-2-Pentanone           | 400         | 0                  | 340                  | ug/Kg | 85   |      | 0   |            | 54         | 164 | 20 |
| Toluene                        | 80.5        | 0                  | 61.8                 | ug/Kg | 77   |      | 16  |            | 61         | 134 | 20 |
| t-1,3-Dichloropropene          | 80.5        | 0                  | 58.2                 | ug/Kg | 72   |      | 20  |            | 47         | 155 | 20 |
| cis-1,3-Dichloropropene        | 80.5        | 0                  | 59.9                 | ug/Kg | 74   |      | 20  |            | 56         | 141 | 20 |
| 1,1,2-Trichloroethane          | 80.5        | 0                  | 65.8                 | ug/Kg | 82   |      | 13  |            | 69         | 148 | 20 |
| 2-Hexanone                     | 400         | 0                  | 310                  | ug/Kg | 78   |      | 5   |            | 43         | 164 | 20 |
| Dibromochloromethane           | 80.5        | 0                  | 59.0                 | ug/Kg | 73   |      | 22  | *          | 65         | 143 | 20 |
| 1,2-Dibromoethane              | 80.5        | 0                  | 63.1                 | ug/Kg | 78   |      | 12  |            | 63         | 144 | 20 |
| Tetrachloroethene              | 80.5        | 0                  | 72.9                 | ug/Kg | 91   |      | 7   |            | 27         | 175 | 20 |
| Chlorobenzene                  | 80.5        | 0                  | 63.0                 | ug/Kg | 78   |      | 18  |            | 66         | 127 | 20 |
| Ethyl Benzene                  | 80.5        | 0                  | 67.6                 | ug/Kg | 84   |      | 14  |            | 54         | 134 | 20 |
| m/p-Xylenes                    | 160         | 0                  | 130                  | ug/Kg | 81   |      | 13  |            | 51         | 137 | 20 |
| o-Xylene                       | 80.5        | 0                  | 65.2                 | ug/Kg | 81   |      | 15  |            | 57         | 139 | 20 |
| Styrene                        | 80.5        | 0                  | 53.5                 | ug/Kg | 66   |      | 7   |            | 47         | 136 | 20 |
| Bromoform                      | 80.5        | 0                  | 66.5                 | ug/Kg | 83   |      | 17  |            | 64         | 144 | 20 |
| Isopropylbenzene               | 80.5        | 0                  | 91.0                 | ug/Kg | 113  |      | 26  | *          | 44         | 160 | 20 |
| 1,1,2,2-Tetrachloroethane      | 80.5        | 0                  | 89.0                 | ug/Kg | 111  |      | 40  | *          | 18         | 175 | 20 |

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SDG No.: Q1421

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Analytical Method: SW8260D

| Parameter                   | Spike | Sample<br>Result | Result | Units | Rec |      | RPD |      | Limits |      | RPD |
|-----------------------------|-------|------------------|--------|-------|-----|------|-----|------|--------|------|-----|
|                             |       |                  |        |       | Rec | Qual | RPD | Qual | Low    | High |     |
| 1,3-Dichlorobenzene         | 80.5  | 0                | 62.9   | ug/Kg | 78  |      | 9   |      | 55     | 131  | 20  |
| 1,4-Dichlorobenzene         | 80.5  | 0                | 62.3   | ug/Kg | 77  |      | 10  |      | 57     | 129  | 20  |
| 1,2-Dichlorobenzene         | 80.5  | 0                | 61.2   | ug/Kg | 76  |      | 13  |      | 54     | 140  | 20  |
| 1,2-Dibromo-3-Chloropropane | 80.5  | 0                | 77.0   | ug/Kg | 96  |      | 34  | *    | 46     | 175  | 20  |
| 1,2,4-Trichlorobenzene      | 80.5  | 0                | 34.7   | ug/Kg | 43  |      | 43  | *    | 12     | 127  | 20  |
| 1,2,3-Trichlorobenzene      | 80.5  | 0                | 33.8   | ug/Kg | 42  |      | 45  | *    | 10     | 160  | 20  |