

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2032

Client: CDM Smith

Analytical Method: SW8260D

|                                |            |                    |         |       | Rec |      |     | RPD        |            | Limits |     |
|--------------------------------|------------|--------------------|---------|-------|-----|------|-----|------------|------------|--------|-----|
| Parameter                      | Spike      | Sample Result      | Result  | Units | Rec | Qual | RPD | Qual       | Low        | High   | RPD |
| Lab Sample ID :                | Q2032-05MS | Client Sample ID : | TP-24MS |       |     |      |     | Datafile : | VY022348.D |        |     |
| Dichlorodifluoromethane        | 53.9       | 0                  | 57.1    | ug/Kg | 106 |      |     |            | 40         | 150    |     |
| Chloromethane                  | 53.9       | 0                  | 48.6    | ug/Kg | 90  |      |     |            | 24         | 175    |     |
| Vinyl chloride                 | 53.9       | 0                  | 62.4    | ug/Kg | 116 |      |     |            | 21         | 175    |     |
| Bromomethane                   | 53.9       | 0                  | 60.4    | ug/Kg | 112 |      |     |            | 46         | 150    |     |
| Chloroethane                   | 53.9       | 0                  | 69.2    | ug/Kg | 128 |      |     |            | 30         | 175    |     |
| Trichlorofluoromethane         | 53.9       | 0                  | 59.5    | ug/Kg | 110 |      |     |            | 53         | 150    |     |
| 1,1,2-Trichlorotrifluoroethane | 53.9       | 0                  | 59.9    | ug/Kg | 111 |      |     |            | 60         | 135    |     |
| 1,1-Dichloroethene             | 53.9       | 0                  | 57.7    | ug/Kg | 107 |      |     |            | 63         | 136    |     |
| Acetone                        | 270        | 0                  | 450     | ug/Kg | 167 |      |     |            | 41         | 175    |     |
| Carbon disulfide               | 53.9       | 0                  | 54.6    | ug/Kg | 101 |      |     |            | 45         | 126    |     |
| Methyl tert-butyl Ether        | 53.9       | 0                  | 61.7    | ug/Kg | 114 |      |     |            | 56         | 175    |     |
| Methyl Acetate                 | 53.9       | 0                  | 90.7    | ug/Kg | 168 |      |     |            | 32         | 175    |     |
| Methylene Chloride             | 53.9       | 0                  | 52.5    | ug/Kg | 97  |      |     |            | 59         | 175    |     |
| trans-1,2-Dichloroethene       | 53.9       | 0                  | 55.5    | ug/Kg | 103 |      |     |            | 63         | 137    |     |
| 1,1-Dichloroethane             | 53.9       | 0                  | 54.3    | ug/Kg | 101 |      |     |            | 62         | 154    |     |
| Cyclohexane                    | 53.9       | 0                  | 51.5    | ug/Kg | 96  |      |     |            | 41         | 131    |     |
| 2-Butanone                     | 270        | 0                  | 320     | ug/Kg | 119 |      |     |            | 48         | 174    |     |
| Carbon Tetrachloride           | 53.9       | 0                  | 53.0    | ug/Kg | 98  |      |     |            | 48         | 149    |     |
| cis-1,2-Dichloroethene         | 53.9       | 0                  | 55.9    | ug/Kg | 104 |      |     |            | 59         | 153    |     |
| Bromochloromethane             | 53.9       | 0                  | 56.3    | ug/Kg | 104 |      |     |            | 54         | 172    |     |
| Chloroform                     | 53.9       | 0                  | 56.5    | ug/Kg | 105 |      |     |            | 60         | 159    |     |
| 1,1,1-Trichloroethane          | 53.9       | 0                  | 56.0    | ug/Kg | 104 |      |     |            | 60         | 149    |     |
| Methylcyclohexane              | 53.9       | 0                  | 53.8    | ug/Kg | 100 |      |     |            | 19         | 135    |     |
| Benzene                        | 53.9       | 0                  | 52.4    | ug/Kg | 97  |      |     |            | 59         | 140    |     |
| 1,2-Dichloroethane             | 53.9       | 0                  | 57.5    | ug/Kg | 107 |      |     |            | 63         | 153    |     |
| Trichloroethene                | 53.9       | 0                  | 53.7    | ug/Kg | 100 |      |     |            | 45         | 154    |     |
| 1,2-Dichloropropane            | 53.9       | 0                  | 52.7    | ug/Kg | 98  |      |     |            | 67         | 141    |     |
| Bromodichloromethane           | 53.9       | 0                  | 55.0    | ug/Kg | 102 |      |     |            | 54         | 160    |     |
| 4-Methyl-2-Pentanone           | 270        | 0                  | 300     | ug/Kg | 111 |      |     |            | 54         | 164    |     |
| Toluene                        | 53.9       | 0                  | 52.1    | ug/Kg | 97  |      |     |            | 61         | 134    |     |
| t-1,3-Dichloropropene          | 53.9       | 0                  | 53.8    | ug/Kg | 100 |      |     |            | 47         | 155    |     |
| cis-1,3-Dichloropropene        | 53.9       | 0                  | 52.5    | ug/Kg | 97  |      |     |            | 56         | 141    |     |
| 1,1,2-Trichloroethane          | 53.9       | 0                  | 61.0    | ug/Kg | 113 |      |     |            | 69         | 148    |     |
| 2-Hexanone                     | 270        | 0                  | 290     | ug/Kg | 107 |      |     |            | 43         | 164    |     |
| Dibromochloromethane           | 53.9       | 0                  | 57.2    | ug/Kg | 106 |      |     |            | 65         | 143    |     |
| 1,2-Dibromoethane              | 53.9       | 0                  | 61.7    | ug/Kg | 114 |      |     |            | 63         | 144    |     |
| Tetrachloroethene              | 53.9       | 0                  | 51.0    | ug/Kg | 95  |      |     |            | 27         | 175    |     |
| Chlorobenzene                  | 53.9       | 0                  | 48.5    | ug/Kg | 90  |      |     |            | 66         | 127    |     |
| Ethyl Benzene                  | 53.9       | 0                  | 47.9    | ug/Kg | 89  |      |     |            | 54         | 134    |     |
| m/p-Xylenes                    | 110        | 0                  | 95.8    | ug/Kg | 87  |      |     |            | 51         | 137    |     |
| o-Xylene                       | 53.9       | 0                  | 47.9    | ug/Kg | 89  |      |     |            | 57         | 139    |     |
| Styrene                        | 53.9       | 0                  | 47.4    | ug/Kg | 88  |      |     |            | 47         | 136    |     |
| Bromoform                      | 53.9       | 0                  | 54.0    | ug/Kg | 100 |      |     |            | 64         | 144    |     |
| Isopropylbenzene               | 53.9       | 0                  | 48.3    | ug/Kg | 90  |      |     |            | 44         | 160    |     |
| 1,1,2,2-Tetrachloroethane      | 53.9       | 0                  | 57.4    | ug/Kg | 106 |      |     |            | 18         | 175    |     |

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SDG No.: Q2032

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Analytical Method: SW8260D

| Parameter                   | Spike | Sample | Result | Units | Rec  |     |      | RPD | Limits |     |  |
|-----------------------------|-------|--------|--------|-------|------|-----|------|-----|--------|-----|--|
|                             |       | Result |        |       | Qual | RPD | Qual | Low | High   | RPD |  |
| 1,3-Dichlorobenzene         | 53.9  | 0      | 45.0   | ug/Kg | 83   |     |      |     | 55     | 131 |  |
| 1,4-Dichlorobenzene         | 53.9  | 0      | 45.8   | ug/Kg | 85   |     |      |     | 57     | 129 |  |
| 1,2-Dichlorobenzene         | 53.9  | 0      | 48.0   | ug/Kg | 89   |     |      |     | 54     | 140 |  |
| 1,2-Dibromo-3-Chloropropane | 53.9  | 0      | 57.0   | ug/Kg | 106  |     |      |     | 46     | 175 |  |
| 1,2,4-Trichlorobenzene      | 53.9  | 0      | 40.4   | ug/Kg | 75   |     |      |     | 12     | 127 |  |
| 1,2,3-Trichlorobenzene      | 53.9  | 0      | 42.3   | ug/Kg | 78   |     |      |     | 10     | 160 |  |