

## Surrogate Summary

SW-846

SDG No.: Q2484

Client: CDM Smith

Analytical Method: 8270E

| Lab Sample ID | Client ID    | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|----------------------|-------------|--------------|--------------|------|------------|------|
|               |              |                      |             |              |              |      | Low        | High |
| PB168694BL    | PB168694BL   | 2-Fluorophenol       | 150         | 121          | 81           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 119          | 80           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 76.7         | 77           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 75.5         | 76           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 124          | 82           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 76.8         | 77           |      | 10         | 105  |
| PB168694BS    | PB168694BS   | 2-Fluorophenol       | 150         | 119          | 80           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 117          | 78           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 76.6         | 77           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 79.8         | 80           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 122          | 81           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 67.7         | 68           |      | 10         | 105  |
| Q2475-01MS    | SOIL-PILEMS  | 2-Fluorophenol       | 150         | 70.7         | 47           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 74.0         | 49           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 46.8         | 47           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 43.0         | 43           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 67.8         | 45           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 33.5         | 33           |      | 10         | 105  |
| Q2475-01MSD   | SOIL-PILEMSD | 2-Fluorophenol       | 150         | 70.0         | 47           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 73.3         | 49           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 44.8         | 45           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 42.0         | 42           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 61.7         | 41           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 31.4         | 31           |      | 10         | 105  |
| Q2484-01      | TP-58        | 2-Fluorophenol       | 150         | 73.9         | 49           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 71.1         | 47           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 45.7         | 46           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 38.4         | 38           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 75.7         | 50           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 33.8         | 34           |      | 10         | 105  |
| Q2484-01DL    | TP-58DL      | 2-Fluorophenol       | 150         | 70.3         | 47           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 75.6         | 50           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 46.2         | 46           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 44.0         | 44           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 36.6         | 24           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 27.2         | 27           |      | 10         | 105  |
| Q2484-02      | TP-57        | 2-Fluorophenol       | 150         | 64.1         | 43           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 64.3         | 43           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 39.5         | 40           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 36.5         | 37           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 63.6         | 42           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 36.8         | 37           |      | 10         | 105  |
| Q2484-03      | TP-64        | 2-Fluorophenol       | 150         | 65.4         | 44           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 61.8         | 41           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 39.4         | 39           |      | 18         | 107  |
|               |              | 2-Fluorobiphenyl     | 100         | 43.9         | 44           |      | 20         | 109  |
|               |              | 2,4,6-Tribromophenol | 150         | 63.6         | 42           |      | 10         | 116  |
|               |              | Terphenyl-d14        | 100         | 39.8         | 40           |      | 10         | 105  |
| Q2484-04      | TP-107       | 2-Fluorophenol       | 150         | 79.2         | 53           |      | 18         | 112  |
|               |              | Phenol-d6            | 150         | 81.0         | 54           |      | 15         | 107  |
|               |              | Nitrobenzene-d5      | 100         | 50.0         | 50           |      | 18         | 107  |

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| Lab Sample ID | Client ID | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|----------------------|-------------|--------------|--------------|------|------------|------|
|               |           |                      |             |              |              |      | Low        | High |
| Q2484-04      | TP-107    | 2-Fluorobiphenyl     | 100         | 47.6         | 48           |      | 20         | 109  |
|               |           | 2,4,6-Tribromophenol | 150         | 74.5         | 50           |      | 10         | 116  |
|               |           | Terphenyl-d14        | 100         | 37.2         | 37           |      | 10         | 105  |
| Q2484-05      | TP-106    | 2-Fluorophenol       | 150         | 72.7         | 48           |      | 18         | 112  |
|               |           | Phenol-d6            | 150         | 74.9         | 50           |      | 15         | 107  |
|               |           | Nitrobenzene-d5      | 100         | 44.9         | 45           |      | 18         | 107  |
|               |           | 2-Fluorobiphenyl     | 100         | 44.3         | 44           |      | 20         | 109  |
|               |           | 2,4,6-Tribromophenol | 150         | 70.5         | 47           |      | 10         | 116  |
|               |           | Terphenyl-d14        | 100         | 40.8         | 41           |      | 10         | 105  |
| Q2484-06      | TP-104    | 2-Fluorophenol       | 150         | 76.8         | 51           |      | 18         | 112  |
|               |           | Phenol-d6            | 150         | 77.6         | 52           |      | 15         | 107  |
|               |           | Nitrobenzene-d5      | 100         | 47.6         | 48           |      | 18         | 107  |
|               |           | 2-Fluorobiphenyl     | 100         | 46.0         | 46           |      | 20         | 109  |
|               |           | 2,4,6-Tribromophenol | 150         | 76.4         | 51           |      | 10         | 116  |
|               |           | Terphenyl-d14        | 100         | 46.6         | 47           |      | 10         | 105  |