

## Surrogate Summary

SW-846

SDG No.: **P4860**

Client: **Tetra Tech**

Analytical Method: **8270E**

| Lab Sample ID | Client ID   | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |             |                      |             |              |              |      | Low        | High      |
| P4860-01      | DUP-01      | 2-Fluorophenol       | 150         | 98.6         | 66           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 97.7         | 65           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 67.9         | 68           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 73.5         | 73           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 92.4         | 62           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 71.0         | 71           |      | 30 (10)    | 130 (105) |
| P4860-02      | PH2-BOT-001 | 2-Fluorophenol       | 150         | 99.7         | 66           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 96.8         | 65           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 71.8         | 72           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 79.9         | 80           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 86.7         | 58           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 67.9         | 68           |      | 30 (10)    | 130 (105) |
| P4860-03      | PH2-BOT-002 | 2-Fluorophenol       | 150         | 110          | 74           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 108          | 72           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 74.3         | 74           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 77.4         | 77           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 109          | 73           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 69.3         | 69           |      | 30 (10)    | 130 (105) |
| P4860-04      | PH2-BOT-003 | 2-Fluorophenol       | 150         | 102          | 68           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 101          | 67           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 70.4         | 70           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 73.2         | 73           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 102          | 68           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 72.7         | 73           |      | 30 (10)    | 130 (105) |
| P4860-05      | PH2-BOT-004 | 2-Fluorophenol       | 150         | 87.3         | 58           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 84.5         | 56           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 59.5         | 59           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 63.7         | 64           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 82.4         | 55           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 63.6         | 64           |      | 30 (10)    | 130 (105) |
| P4860-06      | PH2-BOT-009 | 2-Fluorophenol       | 150         | 86.9         | 58           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 87.6         | 58           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 60.1         | 60           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 62.8         | 63           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 79.0         | 53           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 60.9         | 61           |      | 30 (10)    | 130 (105) |
| P4860-07      | PH2-BOT-008 | 2-Fluorophenol       | 150         | 92.1         | 61           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 90.4         | 60           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 62.1         | 62           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 64.9         | 65           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 88.7         | 59           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 60.5         | 60           |      | 30 (10)    | 130 (105) |
| P4860-08      | PH2-BOT-007 | 2-Fluorophenol       | 150         | 75.2         | 50           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 75.3         | 50           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 52.4         | 52           |      | 30 (18)    | 130 (107) |
|               |             | 2-Fluorobiphenyl     | 100         | 55.8         | 56           |      | 30 (20)    | 130 (109) |
|               |             | 2,4,6-Tribromophenol | 150         | 74.2         | 49           |      | 30 (10)    | 130 (116) |
|               |             | Terphenyl-d14        | 100         | 54.1         | 54           |      | 30 (10)    | 130 (105) |
| P4860-09      | PH2-BOT-006 | 2-Fluorophenol       | 150         | 91.0         | 61           |      | 30 (18)    | 130 (112) |
|               |             | Phenol-d6            | 150         | 90.5         | 60           |      | 30 (15)    | 130 (107) |
|               |             | Nitrobenzene-d5      | 100         | 63.2         | 63           |      | 30 (18)    | 130 (107) |

( ) = LABORATORY INHOUSE LIMIT

## Surrogate Summary

SW-846

SDG No.: **P4860**

Client: **Tetra Tech**

Analytical Method: **8270E**

| Lab Sample ID | Client ID      | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|----------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                |                      |             |              |              |      | Low        | High      |
| P4860-09      | PH2-BOT-006    | 2-Fluorobiphenyl     | 100         | 66.7         | 67           |      | 30 (20)    | 130 (109) |
|               |                | 2,4,6-Tribromophenol | 150         | 85.8         | 57           |      | 30 (10)    | 130 (116) |
|               |                | Terphenyl-d14        | 100         | 60.5         | 61           |      | 30 (10)    | 130 (105) |
| P4860-09MS    | PH2-BOT-006MS  | 2-Fluorophenol       | 150         | 104          | 69           |      | 30 (18)    | 130 (112) |
|               |                | Phenol-d6            | 150         | 103          | 69           |      | 30 (15)    | 130 (107) |
|               |                | Nitrobenzene-d5      | 100         | 71.2         | 71           |      | 30 (18)    | 130 (107) |
|               |                | 2-Fluorobiphenyl     | 100         | 73.5         | 73           |      | 30 (20)    | 130 (109) |
|               |                | 2,4,6-Tribromophenol | 150         | 109          | 73           |      | 30 (10)    | 130 (116) |
|               |                | Terphenyl-d14        | 100         | 84.0         | 84           |      | 30 (10)    | 130 (105) |
| P4860-09MSD   | PH2-BOT-006MSD | 2-Fluorophenol       | 150         | 102          | 68           |      | 30 (18)    | 130 (112) |
|               |                | Phenol-d6            | 150         | 103          | 68           |      | 30 (15)    | 130 (107) |
|               |                | Nitrobenzene-d5      | 100         | 71.9         | 72           |      | 30 (18)    | 130 (107) |
|               |                | 2-Fluorobiphenyl     | 100         | 73.6         | 74           |      | 30 (20)    | 130 (109) |
|               |                | 2,4,6-Tribromophenol | 150         | 113          | 75           |      | 30 (10)    | 130 (116) |
|               |                | Terphenyl-d14        | 100         | 84.9         | 85           |      | 30 (10)    | 130 (105) |
| P4860-10      | PH2-BOT-005    | 2-Fluorophenol       | 150         | 84.1         | 56           |      | 30 (18)    | 130 (112) |
|               |                | Phenol-d6            | 150         | 85.6         | 57           |      | 30 (15)    | 130 (107) |
|               |                | Nitrobenzene-d5      | 100         | 59.1         | 59           |      | 30 (18)    | 130 (107) |
|               |                | 2-Fluorobiphenyl     | 100         | 65.2         | 65           |      | 30 (20)    | 130 (109) |
|               |                | 2,4,6-Tribromophenol | 150         | 74.0         | 49           |      | 30 (10)    | 130 (116) |
|               |                | Terphenyl-d14        | 100         | 68.4         | 68           |      | 30 (10)    | 130 (105) |
| PB165029BL    | PB165029BL     | 2-Fluorophenol       | 150         | 124          | 83           |      | 30 (18)    | 130 (112) |
|               |                | Phenol-d6            | 150         | 120          | 80           |      | 30 (15)    | 130 (107) |
|               |                | Nitrobenzene-d5      | 100         | 85.3         | 85           |      | 30 (18)    | 130 (107) |
|               |                | 2-Fluorobiphenyl     | 100         | 88.5         | 88           |      | 30 (20)    | 130 (109) |
|               |                | 2,4,6-Tribromophenol | 150         | 126          | 84           |      | 30 (10)    | 130 (116) |
|               |                | Terphenyl-d14        | 100         | 88.4         | 88           |      | 30 (10)    | 130 (105) |
| PB165029BS    | PB165029BS     | 2-Fluorophenol       | 150         | 120          | 80           |      | 30 (18)    | 130 (112) |
|               |                | Phenol-d6            | 150         | 115          | 77           |      | 30 (15)    | 130 (107) |
|               |                | Nitrobenzene-d5      | 100         | 82.5         | 82           |      | 30 (18)    | 130 (107) |
|               |                | 2-Fluorobiphenyl     | 100         | 84.9         | 85           |      | 30 (20)    | 130 (109) |
|               |                | 2,4,6-Tribromophenol | 150         | 128          | 85           |      | 30 (10)    | 130 (116) |
|               |                | Terphenyl-d14        | 100         | 98.5         | 99           |      | 30 (10)    | 130 (105) |