

APPENDIX A

EIGHTEENMILE CREEK AOC

SEDIMENT SUMMARY REPORTS

CHEMISTRY RESULTS

Eighteenmile Creek AOC - Pesticide Sediment Summary Report

Table 1

Results based on dry weights.

| Sample ID | Units | Aldrin | A-BHC | B-BHC | G-BHC | D-BHC | PPDDD | PPDDE | Q | PPDDT | Heptachlor | Dieldrin | A-Endosulfan | B-Endosulfan |
|-----------|-------|--------|-------|-------|-------|-------|-------|-------|---|-------|------------|----------|--------------|--------------|
| EMC 1 | ug/kg | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | 3.22 | <2.22 | | <2.22 | <1.11 | <2.22 | <1.11 | <2.22 |
| EMC 2 | ug/kg | <1.68 | <1.68 | <1.68 | <1.68 | <1.68 | <3.36 | 17.4 | | <3.36 | <1.68 | <3.36 | <1.68 | <3.36 |
| EMC 3 | ug/kg | <2.44 | <2.44 | <2.44 | <2.44 | <2.44 | <4.87 | 33.3 | | <4.87 | <2.44 | <4.87 | <2.44 | <4.87 |
| EBU 1 | ug/kg | <1.81 | <1.81 | <1.81 | <1.81 | <1.81 | <3.61 | 16.2 | | <3.67 | <1.81 | <3.61 | <1.81 | <3.61 |
| EMC 4 | ug/kg | <2.20 | <2.20 | <2.20 | <2.20 | <2.20 | <4.40 | 27.9 | | <4.40 | <2.20 | <4.40 | <2.20 | <4.40 |
| EMC 5 | ug/kg | <1.99 | <1.99 | <1.99 | <1.99 | <1.99 | <3.97 | 25.8 | | <3.97 | <1.99 | <3.97 | <1.99 | <3.97 |
| EMC 6 | ug/kg | <1.59 | <1.59 | <1.59 | <1.59 | <1.59 | <3.18 | 16.3 | | <3.18 | <1.59 | <3.18 | <1.59 | <3.18 |
| EBU 2 | ug/kg | <1.91 | <1.91 | <1.91 | <1.91 | <1.91 | <3.83 | 22.5 | | <3.83 | <1.91 | <3.83 | <1.91 | <3.83 |
| EMC 7 | ug/kg | <1.85 | <1.85 | <1.85 | <1.85 | <1.85 | <3.71 | 6.75 | | <3.71 | <1.85 | <3.71 | <1.85 | <3.71 |
| EMC 8 | ug/kg | <1.68 | <1.68 | <1.68 | <1.68 | <1.68 | <3.36 | 29.2 | | <3.36 | <1.68 | <3.36 | <1.68 | <3.36 |
| EMC 9 | ug/kg | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <3.39 | 20 | | <3.39 | <1.69 | <3.39 | <1.69 | <3.39 |
| EBU 3 | ug/kg | <1.82 | <1.82 | <1.82 | <1.82 | <1.82 | <3.64 | 14.1 | # | <3.64 | <1.82 | <3.64 | <1.82 | <3.64 |
| EMC 10 | ug/kg | <1.52 | <1.52 | <1.52 | <1.52 | <1.52 | <3.03 | 11 | | <3.03 | <1.52 | <3.03 | <1.52 | <3.03 |
| EMC 11 | ug/kg | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | <2.76 | 9.75 | | <2.76 | <1.38 | <2.76 | <1.38 | <2.76 |
| EMC 12 | ug/kg | <2.44 | <2.44 | <2.44 | <2.44 | <2.44 | 13.7 | 37.3 | | <4.88 | <2.44 | <4.88 | <2.44 | <4.88 |
| EBU 4 | ug/kg | <1.76 | <1.76 | <1.76 | <1.76 | <1.76 | 10.7 | 22.7 | | <3.52 | <1.76 | <3.52 | <1.76 | <3.52 |
| EMC 13 | ug/kg | <1.62 | <1.62 | <1.62 | <1.62 | <1.62 | <3.24 | 3.24 | | <3.24 | <1.62 | <3.24 | <1.62 | <3.24 |
| EMC 14 | ug/kg | <1.21 | <1.21 | <1.21 | <1.21 | <1.21 | <2.42 | 6.65 | | <2.42 | <1.21 | <2.42 | <1.21 | <2.42 |
| EMC 15 | ug/kg | <1.75 | <1.75 | <1.75 | <1.75 | <1.75 | 10.4 | 16.2 | | <3.50 | <1.75 | <3.50 | <1.75 | <3.50 |
| EBU 5 | ug/kg | <1.32 | <1.32 | <1.32 | <1.32 | <1.32 | <2.63 | 4.07 | # | <2.63 | <1.32 | <2.63 | <1.32 | <2.63 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

= Data qualified due to >40% difference between results on primary and secondary columns.

Rocky River Harbor - Pesticide Sediment Summary Report

Table 1

Results based on dry weights.

| Sample ID | Units | Endosulfan sulfate | Endrin | Endrin Aldehyde | Heptachlor Epoxide | Methoxychlor | Chlordane | Toxaphene |
|-----------|-------|--------------------|--------|-----------------|--------------------|--------------|-----------|-----------|
| EMC 1 | ug/kg | <2.22 | <2.22 | <2.22 | <1.11 | <11.1 | <11.1 | <22.2 |
| EMC 2 | ug/kg | <3.36 | <3.36 | <3.36 | <1.68 | <16.8 | <16.8 | <33.6 |
| EMC 3 | ug/kg | <4.87 | <4.87 | <4.87 | <2.44 | <24.4 | <24.4 | <48.8 |
| EBU 1 | ug/kg | <3.61 | <3.61 | <3.61 | <1.81 | <18.1 | <18.1 | <36.2 |
| EMC 4 | ug/kg | <4.40 | <4.40 | <4.40 | <2.20 | <22.0 | <22.0 | <44.4 |
| EMC 5 | ug/kg | <3.97 | <3.97 | <3.97 | <1.99 | <19.9 | <19.9 | <39.8 |
| EMC 6 | ug/kg | <3.18 | <3.18 | <3.18 | <1.59 | <15.9 | <15.9 | <31.8 |
| EBU 2 | ug/kg | <3.83 | <3.83 | <3.83 | <1.91 | <19.1 | <19.1 | <38.2 |
| EMC 7 | ug/kg | <3.71 | <3.71 | <3.71 | <1.85 | <18.5 | <18.5 | <37.0 |
| EMC 8 | ug/kg | <3.36 | <3.36 | <3.36 | <1.68 | <16.8 | <16.8 | <33.6 |
| EMC 9 | ug/kg | 4.12 | <3.39 | <3.39 | <1.69 | <16.9 | <16.9 | <33.8 |
| EBU 3 | ug/kg | <3.64 | <3.64 | <3.64 | <1.82 | <18.2 | <18.2 | <36.4 |
| EMC 10 | ug/kg | 2.64 | <3.03 | <3.03 | <1.52 | <15.2 | <15.2 | <30.4 |
| EMC 11 | ug/kg | 2.46 | <2.76 | <2.76 | <1.38 | <13.8 | <13.8 | <27.6 |
| EMC 12 | ug/kg | <4.88 | <4.88 | <4.88 | <2.44 | <24.4 | <24.4 | <48.8 |
| EBU 4 | ug/kg | 3.65 | <3.52 | <3.52 | <1.76 | <17.6 | <17.6 | <35.2 |
| EMC 13 | ug/kg | <3.24 | <3.24 | <3.24 | <1.62 | <16.2 | <16.2 | <32.4 |
| EMC 14 | ug/kg | <2.42 | <2.42 | <2.42 | <1.21 | <12.1 | <12.1 | <24.2 |
| EMC 15 | ug/kg | 2.86 | <3.50 | <3.50 | <1.75 | <17.5 | <17.5 | <35.0 |
| EBU 5 | ug/kg | <2.63 | <2.63 | <2.63 | <1.32 | <13.2 | <13.2 | <26.4 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

= Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - PCB Sediment Summary Report

Table 2

Results based on dry weights.

| Sample ID | Units | PCB-1016 | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |
|------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| EMC 4 QA | ug/kg | <20.4 | <20.4 | <20.4 | <20.4 | 718 | <20.4 | <20.4 |

Notes:

 = BRL

BRL = Below Reporting Limit

Eighteenmile Creek AOC - PCB Congener Sediment Summary Report

Table 3

Results based on dry weights.

| Sample ID | Units | PCB 15 | PCB 18 | PCB 31 | Q | PCB 40 | Q | PCB 44 | Q | PCB 49 | PCB 52 | PCB 54 | PCB 60 | Q | PCB 77 | Q | PCB 86 | PCB 87 | PCB 97 |
|-----------|-------|--------|--------|--------|---|--------|---|--------|---|--------|--------|--------|--------|---|--------|---|--------|--------|--------|
| EMC 1 | ug/kg | NR | 1.94 | 3.13 | C | 0.62 | C | 2.92 | C | 3.91 | 5.86 | <0.90 | 0.34 | C | 0.35 | C | NR | NR | NR |
| EMC 2 | ug/kg | NR | 3.01 | 4.77 | C | 1 | C | 4.89 | C | 6.66 | 9.26 | <1.34 | 0.55 | C | 0.49 | C | NR | NR | NR |
| EMC 3 | ug/kg | NR | 20.3 | 34.2 | C | 9.37 | C | 40.2 | C | 47.9 | 69.7 | <1.96 | 5.21 | C | 2.61 | C | NR | NR | NR |
| EBU 1 | ug/kg | NR | 14.1 | 22.8 | C | 5.67 | C | 25.5 | C | 32.4 | 45 | <1.44 | 3.57 | C | 1.62 | C | NR | NR | NR |
| EMC 4 | ug/kg | NR | 23.2 | 31.8 | C | 9.56 | C | 34.1 | C | 38.1 | 50.5 | <1.76 | 1.57 | C | 2.12 | C | NR | NR | NR |
| EMC 4 QA | ug/kg | NR | 31.7 | 45.7 | C | 11.1 | C | 47.6 | C | 54.2 | 71.4 | <1.68 | 3.77 | C | 2.22 | C | NR | NR | NR |
| EMC 5 | ug/kg | NR | 17.2 | 25.5 | C | 5.99 | C | 26.4 | C | 32.6 | 44.2 | <1.60 | 2.26 | C | 2.08 | C | NR | NR | NR |
| EMC 6 | ug/kg | NR | 12.9 | 20.8 | C | 4.48 | C | 20 | C | 24.7 | 33 | <1.28 | 2.1 | C | 1.46 | C | NR | NR | NR |
| EBU 2 | ug/kg | NR | 15.3 | 21.9 | C | 5.47 | C | 24.2 | C | 29 | 39 | <1.54 | 2.04 | C | 1.82 | C | NR | NR | NR |
| EMC 7 | ug/kg | NR | 4.29 | 6.44 | C | 1.57 | C | 7.29 | C | 9.67 | 13.3 | <1.48 | 1.01 | C | 0.63 | C | NR | NR | NR |
| EMC 8 | ug/kg | NR | 41.5 | 58.8 | C | 11.3 | C | 51.4 | C | 51.4 | 68.5 | <1.34 | 3.81 | C | 3.32 | C | NR | NR | NR |
| EMC 9 | ug/kg | NR | 10.8 | 21.3 | C | 4.34 | C | 20.2 | C | 26.1 | 36.8 | <1.36 | 2.65 | C | 1.59 | C | NR | NR | NR |
| EBU 3 | ug/kg | NR | 24 | 34.2 | C | 6.92 | C | 30.6 | C | 33.4 | 45.6 | <1.46 | 2.09 | C | 2.78 | C | NR | NR | NR |
| EMC 10 | ug/kg | NR | 15.1 | 27.1 | C | 5.59 | C | 24.8 | C | 30.6 | 42.3 | <1.22 | 3.16 | C | 2.24 | C | NR | NR | NR |
| EMC 11 | ug/kg | NR | 7.68 | 14.2 | C | 3.13 | C | 13.9 | C | 18 | 24.8 | <1.10 | 2.36 | C | 1.09 | C | NR | NR | NR |
| EMC 12 | ug/kg | NR | 32.3 | 65 | C | 14.3 | C | 59.2 | C | 72.7 | 100 | <1.94 | 8.13 | C | 4.2 | C | NR | NR | NR |
| EBU 4 | ug/kg | NR | 16.5 | 34.2 | C | 7.1 | C | 32.5 | C | 38.9 | 55.5 | <1.40 | 3.81 | C | 1.78 | C | NR | NR | NR |
| EMC 13 | ug/kg | NR | 2.63 | 5.1 | C | 0.78 | C | 4.27 | C | 5.11 | 8.9 | <1.30 | 0.45 | C | 0.51 | C | NR | NR | NR |
| EMC 14 | ug/kg | NR | 2.75 | 6.69 | C | 1.27 | C | 5.96 | C | 7.34 | 12.7 | <0.96 | 1.82 | C | 0.53 | C | NR | NR | NR |
| EMC 15 | ug/kg | NR | 10.2 | 16.5 | C | 4.32 | C | 16.7 | C | 19 | 30.3 | <1.40 | 1.38 | C | 1.03 | C | NR | NR | NR |
| EBU 5 | ug/kg | NR | 2.46 | 5.84 | C | 0.95 | C | 4.82 | C | 5.85 | 10.2 | <1.06 | 1.03 | C | 0.49 | C | NR | NR | NR |

Notes:

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Eighteenmile Creek AOC - PCB Congener Sediment Summary Report

Table 3

Results based on dry weights.

| Sample ID | Units | PCB 101 | PCB 103 | PCB 105 | Q | PCB 114 | PCB 118 | Q | PCB 121 | PCB 128 | PCB 129 | Q | PCB 138 | Q | PCB 141 | Q | PCB 143 | PCB 151 | Q | PCB 153 |
|-----------|-------|---------|---------|---------|---|---------|---------|-------|---------|---------|---------|------|---------|-------|---------|-------|---------|---------|-------|---------|
| EMC 1 | ug/kg | 2.4 | <0.90 | 0.77 | C | 0.45 | 2.28 | <0.90 | <0.90 | <0.90 | <0.90 | 1.42 | C | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | NR |
| EMC 2 | ug/kg | 3.86 | <1.34 | 1.28 | C | 0.82 | 3.88 | <1.34 | <1.34 | 0.49 | <1.34 | 2.35 | C | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | NR |
| EMC 3 | ug/kg | 24.6 | <1.96 | 9.64 | C | <1.96 | 21 | <1.96 | <1.96 | 3.15 | 0.97 | 14.3 | C | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | NR |
| EBU 1 | ug/kg | 15.4 | <1.44 | 5.74 | C | <1.44 | 12.6 | <1.44 | <1.44 | 1.71 | <1.44 | 7.98 | C | <1.44 | <1.44 | <1.44 | <1.44 | <1.44 | <1.44 | NR |
| EMC 4 | ug/kg | 19.7 | <1.76 | 5.12 | C | <1.76 | 15 | <1.76 | <1.76 | 2 | 0.9 | 9.55 | C | <1.76 | <1.76 | <1.76 | <1.76 | <1.76 | <1.76 | NR |
| EMC 4 QA | ug/kg | 20.1 | <1.68 | 4.72 | C | <1.68 | 15.3 | <1.68 | <1.68 | 2.3 | <1.68 | 9.75 | C | 3.67 | C | <1.68 | <1.68 | <1.68 | <1.68 | NR |
| EMC 5 | ug/kg | 20.9 | <1.60 | 7.3 | C | <1.60 | 15.1 | <1.60 | <1.60 | <1.60 | 0.6 | 14.6 | C | <1.60 | <1.60 | <1.60 | <1.60 | <1.60 | <1.60 | NR |
| EMC 6 | ug/kg | 13.5 | <1.28 | 4.35 | C | <1.28 | 10.8 | <1.28 | <1.28 | 1.45 | 0.43 | 7.16 | C | <1.28 | <1.28 | <1.28 | <1.28 | <1.28 | <1.28 | NR |
| EBU 2 | ug/kg | 17 | <1.54 | 4.97 | C | <1.54 | 12.8 | <1.54 | <1.54 | 1.82 | <1.54 | 8.56 | C | <1.54 | <1.54 | <1.54 | <1.54 | <1.54 | <1.54 | NR |
| EMC 7 | ug/kg | 5.87 | <1.48 | 1.91 | C | <1.48 | 4.91 | # | <1.48 | 0.81 | <1.48 | 3.21 | C | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | NR |
| EMC 8 | ug/kg | 28.6 | <1.34 | 6.82 | C | <1.34 | 22.3 | <1.34 | <1.34 | 3.49 | 0.65 | 14.7 | C | 5.08 | C | <1.34 | <1.34 | <1.34 | <1.34 | NR |
| EMC 9 | ug/kg | 14.4 | <1.36 | 5.49 | C | <1.36 | 12 | <1.36 | <1.36 | 1.88 | <1.36 | 7.33 | C | <1.36 | <1.36 | <1.36 | <1.36 | <1.36 | <1.36 | NR |
| EBU 3 | ug/kg | 19.4 | <1.46 | 5.61 | C | <1.46 | 16 | <1.46 | <1.46 | 2.28 | <1.46 | 9.89 | C | <1.46 | <1.46 | <1.46 | <1.46 | <1.46 | <1.46 | NR |
| EMC 10 | ug/kg | 11.7 | <1.22 | 3.42 | C | <1.22 | 9.25 | <1.22 | <1.22 | 1.47 | 0.86 | 6.03 | C | <1.22 | <1.22 | <1.22 | <1.22 | <1.22 | <1.22 | NR |
| EMC 11 | ug/kg | 10.4 | <1.10 | 3.69 | C | <1.10 | 8.14 | <1.10 | <1.10 | 1.27 | <1.10 | 5.22 | C | <1.10 | <1.10 | <1.10 | <1.10 | <1.10 | <1.10 | NR |
| EMC 12 | ug/kg | 30.2 | <1.94 | 10.6 | C | <1.94 | 23.1 | <1.94 | <1.94 | 3.96 | 0.9 | 15.5 | C | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | NR |
| EBU 4 | ug/kg | 16.5 | <1.40 | 6.17 | C | <1.40 | 13.4 | <1.40 | <1.40 | 1.97 | <1.40 | 9.11 | C | <1.40 | <1.40 | <1.40 | <1.40 | <1.40 | <1.40 | NR |
| EMC 13 | ug/kg | 2.9 | <1.30 | 1.14 | C | <1.30 | 2.05 | <1.30 | <1.30 | <1.30 | <1.30 | 1.74 | C | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | NR |
| EMC 14 | ug/kg | 7.59 | <0.96 | 3.1 | C | 0.35 | 6.54 | <0.96 | <0.96 | 1.18 | <0.96 | 5.07 | C | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | NR |
| EMC 15 | ug/kg | 13.4 | <1.40 | 3.16 | C | <1.40 | 9.97 | <1.40 | <1.40 | 2.04 | <1.40 | 8.44 | C | 3.93 | C | <1.40 | <1.40 | <1.40 | <1.40 | NR |
| EBU 5 | ug/kg | 4.38 | <1.06 | 1.6 | C | <1.06 | 3.27 | # | <1.06 | 0.7 | <1.06 | 3.19 | C | <1.06 | <1.06 | <1.06 | <1.06 | <1.06 | <1.06 | NR |

Notes:

 = BRL
 = J Value

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 C = Data confirmed based upon retention time but reported from one column only due to coelution.
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Eighteenmile Creek AOC - PCB Congener Sediment Summary Report

Table 3

Results based on dry weights.

| Sample ID | Units | PCB 154 | PCB 156 | Q | PCB 159 | PCB 170 | PCB 171 | PCB 173 | Q | PCB 180 | PCB 182 | Q | PCB 183 | Q | PCB 185 | Q | PCB 187 | Q | PCB 189 |
|-----------|-------|---------|---------|---|---------|---------|---------|---------|---|---------|---------|---|---------|---|---------|-------|---------|-------|---------|
| EMC 1 | ug/kg | <0.90 | NR | C | NR | <0.90 | NR | <0.90 | C | <0.90 | <0.90 | C | <0.90 | C | <0.90 | 0.45 | C | <0.90 | C |
| EMC 2 | ug/kg | <1.34 | NR | C | NR | <1.34 | NR | <1.34 | C | <1.34 | <1.34 | C | <1.34 | C | <1.34 | 0.83 | C | <1.34 | C |
| EMC 3 | ug/kg | <1.96 | 2.05 | C | NR | <1.96 | NR | <1.96 | C | <1.96 | <1.96 | C | 1.37 | C | 0.86 | 4.43 | C | <1.96 | C |
| EBU 1 | ug/kg | <1.44 | 1 | C | NR | <1.44 | NR | <1.44 | C | <1.44 | <1.44 | C | 0.89 | C | 0.71 | 2.37 | C | <1.44 | C |
| EMC 4 | ug/kg | <1.76 | 1.22 | C | NR | <1.76 | NR | <1.76 | C | <1.76 | <1.76 | C | 1.1 | C | 2 | 3.35 | C | <1.76 | C |
| EMC 4 QA | ug/kg | <1.68 | 1.31 | C | NR | <1.68 | NR | <1.68 | C | <1.68 | <1.68 | C | 1.2 | C | 0.84 | 3.37 | C | <1.68 | C |
| EMC 5 | ug/kg | <1.60 | 1.32 | C | NR | <1.60 | NR | <1.60 | C | <1.60 | <1.60 | C | 1.14 | C | 0.9 | 5.67 | C | <1.60 | C |
| EMC 6 | ug/kg | <1.28 | 0.84 | C | NR | <1.28 | NR | <1.28 | C | <1.28 | <1.28 | C | 0.69 | C | 0.61 | 2.19 | C | <1.28 | C |
| EBU 2 | ug/kg | <1.54 | 0.97 | C | NR | <1.54 | NR | <1.54 | C | <1.54 | <1.54 | C | 0.87 | C | 0.82 | 2.89 | C | <1.54 | C |
| EMC 7 | ug/kg | <1.48 | NR | C | NR | <1.48 | NR | <1.48 | C | <1.48 | <1.48 | C | <1.48 | C | <1.48 | 1.07 | C | <1.48 | C |
| EMC 8 | ug/kg | <1.34 | 2.29 | C | NR | <1.34 | NR | 0.46 | C | 9.06 | 4.82 | C | 1.47 | C | 3.49 | 5.27 | C | <1.34 | C |
| EMC 9 | ug/kg | <1.36 | <1.36 | C | NR | <1.36 | NR | <1.36 | C | <1.36 | <1.36 | C | 0.72 | C | <1.36 | 2.12 | C | <1.36 | C |
| EBU 3 | ug/kg | <1.46 | 1.37 | C | NR | <1.46 | NR | <1.46 | C | <1.46 | <1.46 | C | 1.15 | C | 0.74 | 2.9 | C | <1.46 | C |
| EMC 10 | ug/kg | <1.22 | NR | C | NR | <1.22 | NR | <1.22 | C | <1.22 | <1.22 | C | 0.62 | C | 0.69 | <1.22 | C | <1.22 | C |
| EMC 11 | ug/kg | <1.10 | NR | C | NR | <1.10 | NR | <1.10 | C | <1.10 | <1.10 | C | 0.57 | C | 0.47 | 1.42 | C | <1.10 | C |
| EMC 12 | ug/kg | <1.94 | 1.96 | C | NR | <1.94 | NR | <1.94 | C | <1.94 | <1.94 | C | 1.51 | C | 0.92 | 3.36 | C | <1.94 | C |
| EBU 4 | ug/kg | <1.40 | NR | C | NR | <1.40 | NR | <1.40 | C | <1.40 | <1.40 | C | 0.71 | C | 1.36 | 2.89 | C | <1.40 | C |
| EMC 13 | ug/kg | <1.30 | <1.30 | C | NR | <1.30 | NR | <1.30 | C | <1.30 | <1.30 | C | <1.30 | C | <1.30 | <1.30 | C | <1.30 | C |
| EMC 14 | ug/kg | <0.96 | 0.71 | C | NR | <0.96 | NR | <0.96 | C | <0.96 | <0.96 | C | 0.34 | C | <0.96 | 0.79 | C | <0.96 | C |
| EMC 15 | ug/kg | <1.40 | <1.40 | C | NR | <1.40 | NR | <1.40 | C | <1.40 | 3.78 | C | 0.89 | C | 1.15 | 4.44 | C | <1.40 | C |
| EBU 5 | ug/kg | <1.06 | <1.06 | C | NR | <1.06 | NR | <1.06 | C | <1.06 | 2.26 | C | <1.06 | C | <1.06 | 1.07 | C | <1.06 | C |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit
 J Value = Below reporting limit but above detection limit.
 C = Data confirmed based upon retention time but reported from one column only due to coelution.
 # = Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - PCB Congener Sediment Summary Report

Table 3

Results based on dry weights.

| Sample ID | Units | PCB 191 | PCB 194 | PCB 195 | PCB 196 | Q | PCB 199 | PCB 201 | Q | PCB 202 | Q | PCB 203 | Q | PCB 205 | PCB 206 | PCB 207 | PCB 208 | Q | PCB 155 | |
|-----------|-------|---------|---------|---------|---------|---|---------|---------|-------|---------|-------|---------|-------|---------|---------|---------|---------|-------|---------|-------|
| EMC 1 | ug/kg | <0.90 | <0.90 | <0.90 | <0.90 | | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 |
| EMC 2 | ug/kg | <1.34 | <1.34 | <1.34 | <1.34 | | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | 0.46 | <1.34 | <1.34 | <1.34 |
| EMC 3 | ug/kg | <1.96 | 0.91 | 1.11 | <1.97 | C | <1.97 | 2.12 | <1.97 | <1.97 | <1.97 | 0.86 | C | <1.97 | <1.97 | <1.97 | 1.57 | <1.97 | <1.97 | <1.97 |
| EBU 1 | ug/kg | <1.44 | <1.44 | 0.63 | <1.44 | C | <1.44 | 0.96 | <1.44 | <1.44 | <1.44 | <1.44 | | <1.44 | <1.44 | <1.44 | 0.86 | <1.44 | <1.44 | <1.44 |
| EMC 4 | ug/kg | <1.76 | <1.76 | 0.91 | <1.76 | C | <1.76 | 1.47 | <1.76 | <1.76 | <1.76 | 0.74 | C | <1.76 | <1.76 | <1.76 | 1.66 | <1.76 | <1.76 | <1.76 |
| EMC 4 QA | ug/kg | <1.68 | 1.47 | 1.1 | <1.68 | C | <1.68 | 1.9 | <1.68 | <1.68 | <1.68 | 0.73 | C | <1.68 | 2.64 | <1.68 | 2.02 | <1.68 | <1.68 | <1.68 |
| EMC 5 | ug/kg | <1.60 | 1.15 | 0.78 | 0.59 | C | <1.60 | 1.26 | <1.60 | <1.60 | <1.60 | 0.76 | C | <1.60 | <1.60 | <1.60 | 1.14 | <1.60 | <1.60 | <1.60 |
| EMC 6 | ug/kg | <1.28 | <1.28 | 0.57 | 0.44 | C | <1.28 | 1.06 | <1.28 | <1.28 | <1.28 | <1.28 | | <1.28 | <1.28 | <1.28 | 1.11 | <1.28 | <1.28 | <1.28 |
| EBU 2 | ug/kg | <1.54 | 0.75 | 0.69 | <1.54 | C | <1.54 | 1.23 | <1.54 | <1.54 | <1.54 | <1.54 | | <1.54 | <1.54 | <1.54 | 1.34 | <1.54 | <1.54 | <1.54 |
| EMC 7 | ug/kg | <1.48 | <1.48 | <1.48 | <1.48 | | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 |
| EMC 8 | ug/kg | <1.34 | 1.98 | 2.32 | 0.77 | C | <1.34 | 2.78 | <1.34 | 0.89 | C | 1.33 | C | <1.34 | 8.12 | 1.88 | 3.95 | <1.34 | <1.34 | <1.34 |
| EMC 9 | ug/kg | <1.36 | <1.36 | 0.59 | <1.36 | C | <1.36 | <1.36 | <1.36 | 0.85 | C | <1.36 | | <1.36 | <1.36 | <1.36 | <1.36 | <1.36 | <1.36 | <1.36 |
| EBU 3 | ug/kg | <1.46 | <1.46 | 0.91 | 0.61 | C | <1.46 | 1.81 | <1.46 | <1.46 | <1.46 | 1.11 | C | <1.46 | <1.46 | 2.4 | <1.46 | <1.46 | <1.46 | <1.46 |
| EMC 10 | ug/kg | <1.22 | <1.22 | 0.53 | 0.5 | C | <1.22 | 1 | <1.22 | <1.22 | <1.22 | <1.22 | | <1.22 | <1.31 | <1.22 | 1.31 | <1.22 | <1.22 | <1.22 |
| EMC 11 | ug/kg | <1.10 | 0.57 | 0.38 | <1.10 | C | <1.10 | 0.63 | <1.10 | <1.10 | <1.10 | <1.10 | | <1.10 | 0.83 | <1.10 | <1.10 | <1.10 | <1.10 | <1.10 |
| EMC 12 | ug/kg | <1.94 | 1.49 | 0.87 | 0.65 | C | <1.94 | 1.46 | <1.94 | <1.94 | <1.94 | 0.83 | C | <1.94 | <1.94 | <1.94 | 1.45 | <1.94 | <1.94 | <1.94 |
| EBU 4 | ug/kg | <1.40 | <1.40 | 0.89 | 0.59 | C | 0.74 | <1.40 | <1.40 | <1.40 | <1.40 | 0.68 | C | <1.40 | <1.40 | <1.40 | 1.49 | <1.40 | <1.40 | <1.40 |
| EMC 13 | ug/kg | <1.30 | <1.30 | <1.30 | <1.30 | | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | | <1.30 | <1.30 | <1.30 | 0.52 | <1.30 | <1.30 | <1.30 |
| EMC 14 | ug/kg | <0.96 | <0.96 | <0.96 | <0.96 | | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | | <0.96 | <0.96 | 1.44 | 0.48 | <0.96 | <0.96 | <0.96 |
| EMC 15 | ug/kg | <1.40 | <1.40 | <1.40 | <1.40 | | <1.40 | 3.36 | <1.40 | <1.40 | <1.40 | 1.12 | C | <1.40 | <1.40 | <1.40 | 3.72 | <1.40 | <1.40 | <1.40 |
| EBU 5 | ug/kg | <1.06 | <1.06 | 0.41 | <1.06 | C | <1.06 | <1.06 | <1.06 | <1.06 | <1.06 | <1.06 | | <1.06 | <1.06 | <1.06 | 0.72 | <1.06 | <1.06 | <1.06 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit
 J Value = Below reporting limit but above detection limit.
 C = Data confirmed based upon retention time but reported from one column only due to coelution.
 # = Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - Metals Sediment Summary Report

Table 4

Results based on dry weights.

| Sample ID | Units | SB | AS | BE | CD | CR | CU | PB | NI | SE | AG | TL | ZN |
|-----------|-------|-------|------|-------|--------|------|------|------|-------|-------|-------|-------|------|
| EMC 1 | mg/kg | 0.143 | 1.24 | 0.165 | 0.0897 | 8.34 | 14 | 82.1 | 9.58 | 0.081 | 0.076 | 0.056 | 71.8 |
| EMC 2 | mg/kg | 0.29 | 3.39 | 0.541 | 0.846 | 46.3 | 66 | 91.6 | 34.9 | 0.432 | 0.626 | 0.205 | 302 |
| EMC 3 | mg/kg | 0.514 | 4.02 | 0.755 | 1.18 | 70.4 | 130 | 162 | 50.9 | 0.602 | 0.828 | 0.286 | 485 |
| EBU 1 | mg/kg | 0.345 | 3.4 | 0.523 | 0.751 | 41 | 64.7 | 102 | 31.2 | 0.498 | 0.47 | 0.198 | 328 |
| EMC 4 | mg/kg | 0.543 | 4.91 | 0.755 | 1.78 | 101 | 150 | 189 | 72.9 | 0.582 | 0.973 | 0.361 | 674 |
| EMC 4 MD | mg/kg | 0.508 | 4.65 | 0.691 | 1.7 | 105 | 156 | 202 | 76.66 | 0.677 | 0.866 | 0.352 | 718 |
| EMC 5 | mg/kg | 0.516 | 4.09 | 0.639 | 1.3 | 74.8 | 115 | 138 | 50.8 | 0.54 | 0.69 | 0.269 | 486 |
| EMC 6 | mg/kg | 0.393 | 5.42 | 0.613 | 0.934 | 55.1 | 86.9 | 118 | 54.5 | 0.437 | 0.568 | 0.331 | 429 |
| EBU 2 | mg/kg | 0.446 | 4.13 | 0.679 | 1.25 | 74.1 | 123 | 146 | 56.9 | 0.45 | 0.615 | 0.29 | 536 |
| EMC 7 | mg/kg | 0.309 | 2.34 | 0.675 | 0.424 | 28.2 | 29.5 | 37.4 | 27.4 | 0.329 | 0.252 | 0.163 | 140 |
| EMC 8 | mg/kg | 0.743 | 5.05 | 0.635 | 2.46 | 187 | 245 | 321 | 172 | 0.508 | 0.977 | 0.371 | 1350 |
| EMC 9 | mg/kg | 0.457 | 3.31 | 0.622 | 0.9 | 49.3 | 75.3 | 133 | 47.9 | 0.281 | 0.395 | 0.257 | 497 |
| EBU 3 | mg/kg | 0.56 | 3.75 | 0.598 | 1.52 | 109 | 157 | 203 | 20.5 | 3.53 | 0.618 | 0.288 | 800 |
| EMC 10 | mg/kg | 0.463 | 3.39 | 0.632 | 1.1 | 53.9 | 91.8 | 157 | 59.1 | 2.88 | 3.8 | 2.78 | 525 |
| EMC 11 | mg/kg | 0.332 | 2.99 | 0.646 | 0.779 | 39.1 | 47.2 | 84.9 | 46.9 | 0.152 | 0.258 | 0.215 | 388 |
| EMC 12 | mg/kg | 0.462 | 4.29 | 0.861 | 1.07 | 62 | 85.8 | 157 | 40.6 | 0.596 | 0.501 | 0.253 | 411 |
| EBU 4 | mg/kg | 2.97 | 3.38 | 0.629 | 0.898 | 52.5 | 73.5 | 153 | 47.9 | 0.319 | 0.34 | 0.237 | 444 |
| EMC 13 | mg/kg | 0.312 | 2.02 | 0.636 | 0.268 | 19.1 | 14.7 | 26.9 | 20.5 | 0.169 | 0.133 | 0.114 | 87.8 |
| EMC 14 | mg/kg | 0.409 | 3.03 | 0.621 | 0.466 | 30.5 | 32.4 | 89.5 | 73.4 | 0.144 | 0.142 | 0.135 | 236 |
| EMC 15 | mg/kg | 0.739 | 5.6 | 0.678 | 1.62 | 867 | 179 | 322 | 71.3 | 0.304 | 0.621 | 0.189 | 776 |
| EBU 5 | mg/kg | 0.334 | 2.78 | 0.604 | 0.363 | 102 | 31.7 | 69.9 | 39.9 | 0.102 | 0.181 | 0.126 | 238 |

Eighteenmile Creek AOC - Metals Sediment Summary Report

Table 4

Results based on dry weights.

| Sample ID | Units | AL | BA | CA | CO | FE | MG | MN | K | NA | V |
|-----------|-------|-------|------|-------|------|-------|------|-----|------|-----|------|
| EMC 1 | mg/kg | 3700 | 32.4 | 30900 | 3.58 | 8720 | 4200 | 447 | 866 | 106 | 7.8 |
| EMC 2 | mg/kg | 8780 | 92.3 | 18000 | 9.38 | 17900 | 6250 | 386 | 2820 | 234 | 22.4 |
| EMC 3 | mg/kg | 15250 | 158 | 14000 | 13 | 30100 | 7450 | 629 | 4010 | 243 | 29.3 |
| EBU 1 | mg/kg | 10800 | 113 | 20000 | 8.77 | 21200 | 6270 | 535 | 2700 | 187 | 20.8 |
| EMC 4 | mg/kg | 12800 | 136 | 14000 | 13.9 | 26500 | 6990 | 376 | 3800 | 193 | 27.4 |
| EMC 4 MD | mg/kg | 14000 | 141 | 13600 | 13.2 | 28400 | 6840 | 392 | 3620 | 181 | 26.5 |
| EMC 5 | mg/kg | 10900 | 124 | 13400 | 11.7 | 23600 | 6320 | 369 | 3350 | 178 | 23.6 |
| EMC 6 | mg/kg | 11700 | 125 | 15100 | 11.3 | 24500 | 6680 | 405 | 3520 | 165 | 24.1 |
| EBU 2 | mg/kg | 12800 | 137 | 14300 | 12.1 | 25900 | 6820 | 409 | 3570 | 180 | 25.3 |
| EMC 7 | mg/kg | 11400 | 88.2 | 6500 | 11.6 | 23400 | 6730 | 379 | 3600 | 155 | 25.1 |
| EMC 8 | mg/kg | 11200 | 145 | 10900 | 16.8 | 27000 | 6220 | 508 | 3380 | 164 | 24.6 |
| EMC 9 | mg/kg | 12800 | 135 | 18100 | 12.8 | 26200 | 6470 | 486 | 3390 | 163 | 23.4 |
| EBU 3 | mg/kg | 11600 | 122 | 10400 | 13.9 | 25400 | 6380 | 475 | 3440 | 158 | 24.5 |
| EMC 10 | mg/kg | 11600 | 105 | 16800 | 13.3 | 24600 | 6450 | 400 | 3820 | 153 | 23.2 |
| EMC 11 | mg/kg | 11400 | 99.2 | 16900 | 12.4 | 24400 | 6270 | 425 | 3490 | 175 | 23.2 |
| EMC 12 | mg/kg | 13300 | 151 | 21000 | 12.6 | 28500 | 7480 | 624 | 4290 | 303 | 31.4 |
| EBU 4 | mg/kg | 12800 | 122 | 19200 | 12.3 | 27600 | 6410 | 517 | 3710 | 186 | 23.5 |
| EMC 13 | mg/kg | 10400 | 50.6 | 59200 | 9.4 | 21300 | 5950 | 313 | 3420 | 653 | 22.5 |
| EMC 14 | mg/kg | 11000 | 85.7 | 31700 | 11.7 | 88400 | 6970 | 705 | 3550 | 397 | 23.2 |
| EMC 15 | mg/kg | 10900 | 108 | 11000 | 11.4 | 24400 | 7200 | 320 | 2820 | 191 | 32.9 |
| EBU 5 | mg/kg | 10700 | 65.8 | 12900 | 11.8 | 23400 | 6770 | 440 | 3500 | 463 | 20.5 |

Eighteenmile Creek AOC - Mercury and TOC Sediment Summary Report
Table 5
Results based on dry weights.

| Sample ID | Units | HG | TOC |
|------------------|--------------|-----------|------------|
| EMC 1 | mg/kg | 0.09 | 11000 |
| EMC 2 | mg/kg | 0.15 | 32000 |
| EMC 3 | mg/kg | 0.35 | 47000 |
| EBU 1 | mg/kg | 0.17 | 33000 |
| EMC 4 | mg/kg | 0.47 | 45000 |
| EMC 5 | mg/kg | 0.36 | 44000 |
| EMC 6 | mg/kg | 0.23 | 30000 |
| EBU 2 | mg/kg | 0.33 | 39000 |
| EMC 7 | mg/kg | 0.25 | 35000 |
| EMC 8 | mg/kg | 0.56 | 36000 |
| EMC 9 | mg/kg | 0.16 | 30000 |
| EBU 3 | mg/kg | 0.37 | 36000 |
| EMC 10 | mg/kg | 0.22 | 24000 |
| EMC 11 | mg/kg | 0.12 | 32000 |
| EMC 12 | mg/kg | 0.18 | 48000 |
| EBU 4 | mg/kg | 0.17 | 31000 |
| EMC 13 | mg/kg | 0.022 | 32000 |
| EMC 14 | mg/kg | 0.027 | 18000 |
| EMC 15 | mg/kg | 0.23 | 45000 |
| EBU 5 | mg/kg | 0.044 | 29000 |
| EBU 5 MD | mg/kg | 0.04 | 26000 |

Eighteenmile Creek AOC - Dioxin Sediment Summary Report

Table 6

Results based on dry weights.

| Sample ID | Units | 2378-TCDD | Total TCDD | 12378-PeCDD | Total PeCDD | 123478-HxCDD | 123678-HxCDD | 123789-HxCDD | Q |
|-----------|-------|-----------|------------|-------------|-------------|--------------|--------------|--------------|-----|
| EMC1 | pg/g | ND | 1.7 | ND | 1.4 | Q | 0.63 | Q | Q |
| EMC2 | pg/g | ND | 2.9 | ND | 2.9 | Q | 1.7 | Q | ND |
| EMC3 | pg/g | ND | 2.7 | ND | 3.2 | Q | 1.6 | Q | ND |
| EMC4 | pg/g | ND | 8.4 | 0.71 | 11 | QB | 5.7 | Q | ND |
| EMC5 | pg/g | ND | 2.1 | ND | 4.2 | Q | 1.9 | Q | 1.8 |
| EMC6 | pg/g | ND | 1.3 | ND | 2 | Q | 1.5 | Q | 0.8 |
| EMC7 | pg/g | ND | ND | ND | 1 | Q | 0.9 | Q | 0.6 |
| EMC8 | pg/g | 0.6 | 10 | 0.94 | 17 | QB | 14 | Q | ND |
| EMC9 | pg/g | ND | 5.6 | ND | 6.3 | Q | 3.8 | Q | 4.6 |
| EMC10 | pg/g | 0.72 | 11 | 0.46 | 11 | QB | 9.8 | Q | 1.7 |
| EMC11 | pg/g | ND | 1.4 | ND | 2.3 | Q | 1.9 | Q | 3.3 |
| EMC12 | pg/g | ND | 11 | ND | 18 | Q | 7.5 | Q | ND |
| EMC13 | pg/g | ND | 1.1 | ND | 0.77 | Q | ND | Q | 3 |
| EMC14 | pg/g | ND | 1.1 | ND | 1.2 | Q | 0.88 | Q | ND |
| EMC15 | pg/g | ND | 12 | ND | 21 | Q | 20 | Q | ND |

Notes:

 = J Value

J Value = Below reporting limit but above detection limit.

Q = Estimated maximum possible concentration (EMPC).

S = Ion Suppression

B = Method blank contamination.

ND = Not detected


Eighteenmile Creek AOC - Dioxin Sediment Summary Report

Table 6

Results based on dry weights.

| Sample ID | Units | Total HxCDD | Q | 1234678-HpCDD | Q | Total HpCDD | Q | OCDD | Q | 2378-TCDF | Q | Total-TCDF | Q | 12378-PeCDF | Q |
|-----------|-------|-------------|----|---------------|---|-------------|---|------|---|-----------|---|------------|---|-------------|---|
| EMC1 | pg/g | 4.6 | QS | 16 | B | 36 | B | 140 | B | 1.5 | Q | 23 | Q | ND | Q |
| EMC2 | pg/g | 15 | Q | 46 | | 100 | B | 500 | B | 2.7 | Q | 51 | Q | 0.65 | Q |
| EMC3 | pg/g | 12 | | 23 | | 48 | B | 220 | B | 3.1 | Q | 35 | Q | ND | |
| EMC4 | pg/g | 52 | Q | 110 | | 220 | B | 1100 | B | 3.6 | Q | 62 | Q | 1.4 | |
| EMC5 | pg/g | 18 | Q | 43 | | 82 | B | 390 | B | 2.8 | Q | 33 | Q | ND | |
| EMC6 | pg/g | 13 | Q | 25 | | 50 | B | 220 | B | 1.6 | Q | 24 | Q | 0.38 | Q |
| EMC7 | pg/g | 7.7 | Q | 11 | | 23 | B | 110 | B | 1.5 | Q | 8 | Q | ND | |
| EMC8 | pg/g | 100 | Q | 250 | | 520 | B | 2500 | B | 5 | Q | 69 | Q | 1.9 | Q |
| EMC9 | pg/g | 36 | Q | 76 | | 160 | B | 760 | B | 3 | | 66 | Q | 0.89 | Q |
| EMC10 | pg/g | 69 | Q | 190 | | 400 | B | 1800 | B | 5.2 | | 79 | Q | 1.1 | Q |
| EMC11 | pg/g | 14 | | 42 | | 86 | B | 440 | B | 1.8 | Q | 43 | Q | 0.33 | Q |
| EMC12 | pg/g | 63 | Q | 140 | | 280 | B | 1400 | B | 6.9 | Q | 120 | Q | 2.1 | Q |
| EMC13 | pg/g | 3.7 | Q | 7.7 | | 15 | B | 74 | B | ND | | 2 | Q | ND | |
| EMC14 | pg/g | 7.5 | | 17 | | 37 | B | 180 | B | 1.3 | | 18 | Q | ND | |
| EMC15 | pg/g | 140 | Q | 320 | | 640 | B | 2800 | B | 4.1 | Q | 110 | Q | 2.8 | Q |

Notes:

 = J Value

- J Value = Below reporting limit but above detection limit.
- Q = Estimated maximum possible concentration (EMPC).
- S = Ion Suppression
- B = Method blank contamination.
- ND = Not detected


Eighteenmile Creek AOC - Dioxin Sediment Summary Report

Table 6

Results based on dry weights.

| Sample ID | Units | 23478-PeCDF | Total PeCDF | 123478-HxCDF | 123678-HxCDF | 234678-HxCDF | 123789-HxCDF |
|-----------|-------|-------------|-------------|--------------|--------------|--------------|--------------|
| EMC1 | pg/g | 0.53 | 4.9 | 1 | 0.3 | ND | ND |
| EMC2 | pg/g | 1 | 16 | 4 | 1.2 | 1.7 | ND |
| EMC3 | pg/g | ND | 7.4 | 2.9 | 0.89 | ND | ND |
| EMC4 | pg/g | 1.8 | 38 | 12 | 4.4 | 2 | ND |
| EMC5 | pg/g | 0.78 | 12 | 3.7 | 1.2 | ND | ND |
| EMC6 | pg/g | 0.44 | 9.8 | 2.9 | 0.74 | 0.63 | ND |
| EMC7 | pg/g | ND | 0.89 | 1.1 | 0.59 | ND | ND |
| EMC8 | pg/g | 2.5 | 68 | 23 | 9.8 | 3.6 | ND |
| EMC9 | pg/g | 1.1 | 24 | 6.3 | 2.5 | 1.2 | ND |
| EMC10 | pg/g | 1.4 | 47 | 13 | 4.6 | 1.8 | ND |
| EMC11 | pg/g | 0.65 | 13 | 3.7 | 1 | 0.64 | ND |
| EMC12 | pg/g | 2.2 | 45 | 15 | 3.7 | 2.1 | ND |
| EMC13 | pg/g | ND | 2.1 | 0.8 | ND | ND | ND |
| EMC14 | pg/g | ND | 5.5 | 2 | 0.62 | ND | ND |
| EMC15 | pg/g | 4.1 | 150 | 11 | 15 | 5.8 | ND |

Notes:

 = J Value

J Value = Below reporting limit but above detection limit.

Q = Estimated maximum possible concentration (EMPC).

S = Ion Suppression

B = Method blank contamination.

ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Summary Report

Table 6

Results based on dry weights.

| Sample ID | Units | Total HxCDF | Q | 1234678-HpCDF | Q | 1234789-HpCDF | Q | Total HpCDF | Q | OCDF |
|-----------|-------|-------------|-----|---------------|----|---------------|---|-------------|----|------|
| EMC1 | pg/g | 8.3 | SQ | 8.8 | | 0.48 | | 20 | | 14 |
| EMC2 | pg/g | 30 | QB | 24 | QB | ND | | 63 | Q | 13 |
| EMC3 | pg/g | 16 | QB | 17 | QB | ND | | 40 | QB | 11 |
| EMC4 | pg/g | 85 | QSB | 82 | B | 3.1 | | 200 | QB | 27 |
| EMC5 | pg/g | 31 | SQB | 32 | B | 1.4 | Q | 80 | BQ | 18 |
| EMC6 | pg/g | 19 | QSB | 19 | B | 1.1 | | 44 | QB | 11 |
| EMC7 | pg/g | 9.7 | QB | 8.5 | QB | 1.2 | | 23 | QB | 8.2 |
| EMC8 | pg/g | 200 | QSB | 230 | B | 9 | | 550 | QB | 200 |
| EMC9 | pg/g | 51 | QSB | 59 | B | 2.2 | | 140 | QB | 43 |
| EMC10 | pg/g | 130 | QSB | 130 | B | 6 | | 340 | QB | 23 |
| EMC11 | pg/g | 26 | QB | 24 | B | 1.2 | | 62 | QB | 33 |
| EMC12 | pg/g | 89 | QSB | 91 | B | 4.4 | | 220 | QB | 23 |
| EMC13 | pg/g | 4.1 | QB | 4.3 | QB | ND | | 9.9 | QB | 4.7 |
| EMC14 | pg/g | 12 | QB | 12 | B | ND | | 29 | QB | 14 |
| EMC15 | pg/g | 360 | QB | 370 | B | 12 | | 810 | QB | 140 |

Notes:

 = J Value

- J Value = Below reporting limit but above detection limit.
- Q = Estimated maximum possible concentration (EMPC).
- S = Ion Suppression
- B = Method blank contamination.
- ND = Not detected

**Eighteenmile Creek AOC - Particle Sizing Summary Report
Table 7**

| Sample ID | % Gravel | % Sand | % Fines |
|------------------|-----------------|---------------|----------------|
| EBU-1 | 0.4 | 50.9 | 48.7 |
| EBU-2 | 0.0 | 31.3 | 68.8 |
| EBU-3 | 1.2 | 31.3 | 67.5 |
| EBU-4 | 1.5 | 50.0 | 48.6 |
| EBU-5 | 39.6 | 40.9 | 19.5 |

APPENDIX B

EIGHTEENMILE CREEK AOC

TISSUE SUMMARY REPORTS


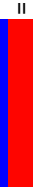
CHEMISTRY RESULTS

Eighteenmile Creek AOC - Pesticide Tissue Summary Report
Table 1

Results based on wet weights.

| Sample ID | Units | Aldrin | A-BHC | B-BHC | G-BHC | D-BHC | PPDDD | PPDDE | Q | PPDDT | Heptachlor | Dieldrin | A-Endosulfan | B-Endosulfan |
|-----------|-------|--------|-------|-------|-------|-------|-------|-------|---|-------|------------|----------|--------------|--------------|
| CONTROL-1 | ug/kg | <2.17 | <2.17 | <2.17 | <2.17 | <2.17 | <4.34 | <4.34 | | <4.34 | <2.17 | <4.34 | <2.17 | 2.23 |
| CONTROL-2 | ug/kg | 1.49 | <2.09 | <2.09 | <2.09 | <2.09 | <4.18 | <4.18 | | <4.18 | <2.09 | <4.18 | <2.09 | <4.18 |
| CONTROL-3 | ug/kg | <2.49 | 4.41 | <2.49 | <2.49 | <2.49 | <4.98 | <4.98 | | <4.98 | <2.49 | <4.98 | <2.49 | <4.98 |
| EBU1 1-1 | ug/kg | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <3.84 | 6.87 | # | 3.21 | 1.29 | <3.84 | <1.92 | <3.84 |
| EBU1 1-2 | ug/kg | <2.30 | <2.30 | <2.30 | <2.30 | <2.30 | 5.23 | 56.6 | # | <4.60 | <2.30 | <4.60 | <2.30 | <4.60 |
| EBU1 1-3 | ug/kg | <1.81 | <1.81 | <1.81 | <1.81 | <1.81 | <3.63 | 8.9 | # | <3.63 | <1.81 | <3.63 | <1.81 | <3.63 |
| EBU1 1-4 | ug/kg | <1.47 | <1.47 | <1.47 | <1.47 | <1.47 | <2.94 | 14.5 | # | <2.94 | <1.47 | <2.94 | <1.47 | <2.94 |
| EBU1 1-5 | ug/kg | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 | <4.08 | 9.76 | # | <4.08 | <2.04 | <4.08 | <2.04 | <4.08 |
| EBU2 1-1 | ug/kg | <2.40 | <2.40 | <2.40 | <2.40 | <2.40 | <4.80 | 16.6 | # | 2.61 | <2.40 | <4.80 | <2.40 | <4.80 |
| EBU2 2-1 | ug/kg | <2.36 | <2.36 | 4.12 | <2.36 | <2.36 | <4.73 | 8.45 | # | 3.02 | <2.36 | <4.73 | <2.36 | <4.73 |
| EBU2 3-1 | ug/kg | <1.63 | <1.63 | <1.63 | <1.63 | <1.63 | <3.26 | 9.35 | # | <3.26 | 0.84 | <3.26 | <1.63 | <3.26 |
| EBU2 4-1 | ug/kg | <2.34 | <2.34 | <2.34 | <2.34 | <2.34 | <4.67 | 10.8 | # | <4.67 | 0.99 | <4.67 | <2.34 | <4.67 |
| EBU2 5-1 | ug/kg | <2.24 | <2.24 | <2.24 | <2.24 | <2.24 | <4.48 | 7.03 | # | 2.61 | <2.24 | <4.48 | <2.24 | <4.48 |
| EBU3 1-1 | ug/kg | <2.46 | <2.46 | 1.55 | <2.46 | <2.46 | <4.91 | 12.3 | # | <4.91 | <2.46 | <4.91 | <2.46 | <4.91 |
| EBU3 2-1 | ug/kg | <2.46 | 1.42 | <2.46 | <2.46 | <2.46 | <4.93 | 13.2 | # | <4.93 | <2.46 | <4.93 | <2.46 | <4.93 |
| EBU3 3-1 | ug/kg | <2.15 | 5.34 | <2.15 | <2.15 | <2.15 | <4.30 | 13.8 | # | <4.30 | <2.15 | <1.30 | <2.15 | <4.30 |
| EBU3 4-1 | ug/kg | <2.21 | 2.09 | <2.21 | <2.21 | <2.21 | <4.42 | 15.2 | # | <4.42 | <2.21 | <4.42 | <2.21 | <4.42 |
| EBU3 5-1 | ug/kg | <1.87 | 2.17 | <1.87 | <1.87 | <1.87 | <3.73 | 12.3 | # | <3.73 | <1.87 | <3.73 | <1.87 | <3.73 |
| EBU4 1-1 | ug/kg | <1.86 | <1.86 | <1.86 | <1.86 | <1.86 | <3.72 | 10.2 | # | <3.72 | 1.54 | <3.72 | <1.86 | <3.72 |
| EBU4 2-1 | ug/kg | <1.76 | <1.76 | 9.28 | <1.76 | <1.76 | <3.52 | 9.34 | # | <3.52 | 0.94 | <3.52 | <1.76 | <3.52 |
| EBU4 3-1 | ug/kg | <1.82 | <1.82 | <1.82 | <1.82 | <1.82 | <3.63 | 10.6 | # | <3.63 | <1.82 | <3.63 | <1.82 | <3.63 |
| EBU4 4-1 | ug/kg | <2.13 | <2.13 | <2.13 | <2.13 | <2.13 | <4.26 | 15.1 | # | <4.26 | 1.36 | <4.26 | <2.13 | <4.26 |
| EBU4 5-1 | ug/kg | <2.36 | <2.36 | <2.36 | <2.36 | <2.36 | <4.71 | 16.6 | # | <4.71 | 1.12 | <4.71 | <2.36 | <4.71 |
| EBU5 1-1 | ug/kg | <2.50 | <2.50 | <2.50 | <2.50 | <2.50 | <5.00 | 5.44 | # | 3.53 | <2.50 | <5.00 | <2.50 | <5.00 |
| EBU5 2-1 | ug/kg | <2.37 | <2.37 | <2.37 | <2.37 | <2.37 | <4.73 | 7.82 | # | 3.83 | <2.37 | <4.73 | <2.37 | <4.73 |
| EBU5 3-1 | ug/kg | <2.23 | <2.23 | 4.21 | <2.23 | <2.23 | <4.46 | 9.54 | # | <4.46 | 1.22 | <4.46 | <2.23 | <4.46 |
| EBU5 4-1 | ug/kg | <2.42 | <2.42 | 5.48 | <2.42 | <2.42 | <4.83 | 4.42 | # | <4.83 | <2.42 | <4.83 | <2.42 | <4.83 |
| EBU5 5-1 | ug/kg | <2.34 | <2.34 | 5.12 | <2.34 | <2.34 | <4.68 | 29.1 | # | <4.68 | <2.34 | <4.68 | <2.34 | <4.68 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

= Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - Pesticide Tissue Summary Report
Table 1

Results based on wet weights.

| Sample ID | Units | Endosulfan sulfate | Endrin | Endrin Aldehyde | Heptachlor Epoxide | Methoxychlor | Chlordane | Toxaphene | Alpha Chlordane | Gamma Chlordane |
|-----------|-------|--------------------|--------|-----------------|--------------------|--------------|-----------|-----------|-----------------|-----------------|
| CONTROL-1 | ug/kg | <4.34 | <4.34 | 8.78 | <2.17 | <21.7 | <21.7 | <43.4 | <2.17 | <2.17 |
| CONTROL-2 | ug/kg | 7.35 | <4.18 | <4.18 | <2.09 | <20.9 | <20.9 | <41.8 | <2.09 | <2.09 |
| CONTROL-3 | ug/kg | 14.7 | <4.98 | <4.98 | <2.49 | <24.9 | <24.9 | <49.8 | <2.49 | <2.49 |
| EBU1 1-1 | ug/kg | <3.84 | <3.84 | <3.84 | <1.92 | <19.2 | <19.2 | <38.4 | <1.92 | <1.92 |
| EBU1 1-2 | ug/kg | <4.60 | <4.60 | <4.60 | <2.30 | <23.0 | <23.0 | <46.0 | <2.30 | 7 |
| EBU1 1-3 | ug/kg | <3.63 | <3.63 | <3.63 | <1.81 | <18.1 | <18.1 | <36.3 | <1.81 | <1.81 |
| EBU1 1-4 | ug/kg | <2.94 | <2.94 | <2.94 | <1.47 | <14.7 | <14.7 | <29.4 | <1.47 | <1.47 |
| EBU1 1-5 | ug/kg | <4.08 | <4.08 | <4.08 | <2.04 | <20.4 | <20.4 | <40.8 | <2.04 | <2.04 |
| EBU2 1-1 | ug/kg | <4.80 | <4.80 | <4.80 | <2.40 | <24.0 | <24.0 | <48.0 | <2.40 | <2.40 |
| EBU2 2-1 | ug/kg | <4.73 | <4.73 | <4.73 | <2.36 | <23.6 | <23.6 | <47.3 | <2.36 | 5.37 |
| EBU2 3-1 | ug/kg | <3.26 | <3.26 | <3.26 | <1.63 | <16.3 | <16.3 | <32.6 | <1.63 | <1.63 |
| EBU2 4-1 | ug/kg | <4.67 | <4.67 | <4.67 | <2.34 | <23.4 | <23.4 | <46.7 | <2.34 | <2.34 |
| EBU2 5-1 | ug/kg | <4.48 | <4.48 | <4.48 | <2.24 | <22.4 | <22.4 | <44.8 | <2.24 | <2.24 |
| EBU3 1-1 | ug/kg | <4.91 | <4.91 | <4.91 | <2.46 | <24.6 | <24.6 | <49.1 | <2.46 | 8.55 |
| EBU3 2-1 | ug/kg | 7.63 | <4.93 | <4.93 | <2.46 | <24.6 | <24.6 | <49.3 | <2.46 | 8.96 |
| EBU3 3-1 | ug/kg | <4.30 | <4.30 | <4.30 | <2.15 | <21.5 | <21.5 | <43.0 | <2.15 | <2.15 |
| EBU3 4-1 | ug/kg | 10.5 | <4.42 | <4.42 | <2.21 | <22.1 | <22.1 | <44.2 | <2.21 | <2.21 |
| EBU3 5-1 | ug/kg | 12.7 | 1.95 | <3.73 | <1.87 | <18.7 | <18.7 | <37.3 | <1.87 | <1.87 |
| EBU4 1-1 | ug/kg | <3.72 | <3.72 | <3.72 | <1.86 | <18.6 | <18.6 | <37.2 | <1.86 | 6.35 |
| EBU4 2-1 | ug/kg | 10.3 | <3.52 | <3.52 | <1.76 | <17.6 | <17.6 | <35.2 | <1.76 | 5.61 |
| EBU4 3-1 | ug/kg | <3.63 | <3.63 | <3.63 | <1.82 | <18.2 | <18.2 | <36.3 | <1.82 | 7.83 |
| EBU4 4-1 | ug/kg | 3.27 | <4.26 | <4.26 | <2.13 | <21.3 | <21.3 | <42.6 | <2.13 | 10.4 |
| EBU4 5-1 | ug/kg | <4.71 | <4.71 | <4.71 | <2.36 | <23.6 | <23.6 | <47.1 | <2.36 | 9.96 |
| EBU5 1-1 | ug/kg | <5.00 | <5.00 | <5.00 | <2.50 | <25.0 | <25.0 | <50.0 | <2.50 | <2.50 |
| EBU5 2-1 | ug/kg | <4.73 | <4.73 | <4.73 | <2.37 | <23.7 | <23.7 | <47.3 | <2.37 | <2.37 |
| EBU5 3-1 | ug/kg | <4.46 | <4.46 | <4.46 | <2.23 | <22.3 | <22.3 | <44.6 | <2.23 | <2.23 |
| EBU5 4-1 | ug/kg | <4.83 | <4.83 | <4.83 | <2.42 | <24.2 | <24.2 | <48.3 | <2.42 | <2.42 |
| EBU5 5-1 | ug/kg | <4.68 | <4.68 | <4.68 | <2.34 | <23.4 | <23.4 | <46.8 | <2.34 | <2.34 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

= Data qualified due to >40% difference between results on primary and secondary columns.



Eighteenmile Creek AOC - PCB Congener Tissue Summary Report

Table 2

Results based on wet weights.

| Sample ID | Units | PCB 15 | PCB 18 | Q | PCB 31 | Q | PCB 40 | Q | PCB 44 | Q | PCB 49 | Q | PCB 52 | PCB 54 | PCB 60 | Q | PCB 77 | Q | PCB 86 | PCB 87 | Q |
|-----------|-------|--------|--------|---|--------|---|--------|---|--------|---|--------|---|--------|--------|--------|---|--------|---|--------|--------|---|
| CONTROL-1 | ug/kg | <0.95 | <0.95 | | <0.95 | | <0.95 | | <0.95 | | <0.95 | | 1.62 | <1.90 | <1.90 | | <0.95 | | N/A | <0.95 | |
| CONTROL-2 | ug/kg | <1.00 | <1.00 | | <1.00 | | <1.00 | | <1.00 | | 0.58 | | 1.04 | <2.00 | <2.00 | | <1.00 | | N/A | <1.00 | |
| CONTROL-3 | ug/kg | <0.96 | <0.96 | | <0.96 | | <0.96 | | <0.96 | | <0.96 | | <0.96 | <1.92 | <1.92 | | <0.96 | | N/A | <0.96 | |
| EBU1 1-1 | ug/kg | NR | 4.82 | # | 8.67 | C | 2.16 | C | 9.72 | C | 13.6 | C | 17.3 | <1.72 | 1.15 | C | 0.74 | C | N/A | 5.16 | C |
| EBU1 1-2 | ug/kg | NR | 6.11 | | 15.1 | C | 3.19 | C | 16.5 | C | 24.2 | C | 23.6 | <1.98 | 2.28 | C | 1.39 | C | N/A | 10.8 | C |
| EBU1 1-3 | ug/kg | NR | 5.4 | | 10.3 | C | 2.07 | C | 10.1 | C | 13.7 | C | 17 | <1.24 | 1.33 | C | 0.73 | C | N/A | 5.55 | C |
| EBU1 1-4 | ug/kg | NR | 5.5 | | 10.9 | C | 2.45 | C | 11.7 | C | 16.8 | C | 20.5 | <1.18 | 1.62 | C | 0.79 | C | N/A | 7.15 | C |
| EBU1 1-5 | ug/kg | NR | 5.06 | | 8.6 | C | 1.95 | C | 10.2 | C | 13.6 | C | 17.4 | <1.84 | 1.45 | C | 0.86 | C | N/A | 5.41 | C |
| EBU2 1-1 | ug/kg | NR | 6.74 | | 10.3 | C | 2.06 | C | 9.75 | C | 13.8 | C | 16.7 | <1.98 | 1.16 | C | 0.91 | C | N/A | 4.27 | C |
| EBU2 2-1 | ug/kg | NR | 7.41 | | 12.3 | C | 2.44 | C | 12.1 | C | 18.4 | C | 21.1 | <1.86 | 1.1 | C | 0.85 | C | N/A | 5.38 | C |
| EBU2 3-1 | ug/kg | NR | 7.38 | | 10.2 | C | 4.48 | C | 13.3 | C | 16 | C | 18.4 | <1.88 | 1.04 | C | 2.95 | C | N/A | 3.95 | C |
| EBU2 4-1 | ug/kg | NR | 8.63 | | 10.9 | C | 2.96 | C | 14 | C | 20.7 | C | 24.2 | <1.86 | 1.28 | C | 0.8 | C | N/A | 5.99 | C |
| EBU2 5-1 | ug/kg | NR | 8.56 | | 11.9 | C | 3.44 | C | 14.7 | C | 18.3 | C | 21.6 | <1.98 | 1.03 | C | 0.88 | C | N/A | 4.67 | C |
| EBU3 1-1 | ug/kg | NR | 14.9 | | 16.1 | C | 4.65 | C | 20.7 | C | 23.8 | C | 26.5 | <1.70 | 1.11 | C | 1.5 | C | N/A | 6.32 | C |
| EBU3 2-1 | ug/kg | NR | 13.9 | | 18.5 | C | 4.41 | C | 20.3 | C | 21.9 | C | 26.1 | <1.46 | 1.08 | C | 1 | C | N/A | 5.58 | C |
| EBU3 3-1 | ug/kg | NR | 14.6 | | 18.6 | C | 4.75 | C | 22.1 | C | 22.9 | C | 27.1 | <1.90 | 1.29 | C | 1.39 | C | N/A | 7.19 | C |
| EBU3 4-1 | ug/kg | NR | 11.6 | | 14.1 | C | 3.54 | C | 16.2 | C | 18.2 | C | 21.3 | <1.46 | 1.15 | C | 1.54 | C | N/A | 5.97 | C |
| EBU3 5-1 | ug/kg | NR | 10.2 | | 15.9 | C | 3.48 | C | 15.8 | C | 18.9 | C | 21.2 | <1.70 | 1.22 | C | 1.52 | C | N/A | 5.69 | C |
| EBU4 1-1 | ug/kg | NR | 7.4 | | 12.6 | C | 2.91 | C | 13.6 | C | 18.5 | C | 21.9 | <1.12 | 1.72 | C | 0.73 | C | N/A | 6.96 | C |
| EBU4 2-1 | ug/kg | NR | 8.85 | | 14.8 | C | 3.48 | C | 16.5 | C | 21.9 | C | 26.3 | <1.42 | 1.86 | C | 0.88 | C | N/A | 8.24 | C |
| EBU4 3-1 | ug/kg | NR | 6.83 | | 13.7 | C | 2.63 | C | 12.1 | C | 17.7 | C | 20.8 | <1.98 | 1.65 | C | 0.85 | C | N/A | 6.93 | C |
| EBU4 4-1 | ug/kg | NR | 7.7 | | 13.1 | C | 2.55 | C | 13 | C | 19.9 | C | 25.3 | <1.98 | 1.74 | C | 0.91 | C | N/A | 8.54 | C |
| EBU4 5-1 | ug/kg | NR | 7.69 | | 13.6 | C | 3.2 | C | 15.3 | C | 22.1 | C | 25.5 | <2.00 | 1.72 | C | 0.87 | C | N/A | 8.6 | C |
| EBU5 1-1 | ug/kg | NR | 2.63 | # | 4.9 | C | 1.11 | C | 6.31 | C | 9.15 | C | 12.5 | <2.00 | 1.11 | C | 0.57 | C | N/A | 4.89 | C |
| EBU5 2-1 | ug/kg | NR | 3.07 | # | 5.24 | C | 1.11 | C | 6.01 | C | 9.33 | C | 12.5 | <2.00 | 1.08 | C | 0.79 | C | N/A | 4.53 | C |
| EBU5 3-1 | ug/kg | NR | 3.76 | | 7.03 | C | 1.53 | C | 7.74 | C | 10.5 | C | 14.7 | <1.86 | 0.93 | C | 0.67 | C | N/A | 5.04 | C |
| EBU5 4-1 | ug/kg | NR | 3.33 | | 6.24 | C | 1.29 | C | 6.46 | C | 9.24 | C | 12.5 | <1.94 | 0.89 | C | 0.75 | C | N/A | 4.97 | C |
| EBU5 5-1 | ug/kg | NR | 4.02 | | 6.35 | C | 1.46 | C | 7.74 | C | 11.3 | C | 15.2 | <1.98 | 1.11 | C | 0.59 | C | N/A | 5.15 | C |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit
 J Value = Below reporting limit but above detection limit.
 C = Data confirmed based upon retention time but reported from one column only due to coelution.
 # = Data qualified due to >40% difference between results on primary and secondary columns.

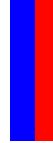
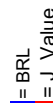
Eighteenmile Creek AOC - PCB Congener Tissue Summary Report

Table 2

Results based on wet weights.

| Sample ID | Units | PCB 97 | Q | PCB 101 | PCB 103 | PCB 105 | Q | PCB 114 | PCB 118 | Q | PCB 121 | PCB 128 | Q | PCB 129 | Q | PCB 138 | Q | PCB 141 | Q | PCB 143 | PCB 151 | Q |
|-----------|-------|--------|---|---------|---------|---------|---|---------|---------|---|---------|---------|---|---------|---|---------|---|---------|---|---------|---------|---|
| CONTROL-1 | ug/kg | <0.95 | | <0.95 | <0.95 | <0.95 | | <0.95 | <0.95 | | <0.95 | <0.95 | | <1.90 | | <0.95 | | <0.95 | | <0.95 | <0.95 | |
| CONTROL-2 | ug/kg | <1.00 | | <1.00 | <1.00 | <1.00 | | <1.00 | <1.00 | | <1.00 | <1.00 | | <2.00 | | <1.00 | | <1.00 | | <1.00 | <1.00 | |
| CONTROL-3 | ug/kg | <0.96 | | <0.96 | <0.96 | <0.96 | | <0.96 | <0.96 | | <0.96 | <0.96 | | <1.92 | | <0.96 | | <0.96 | | <0.96 | <0.96 | |
| EBU1 1-1 | ug/kg | 3.84 | C | 11.6 | <0.86 | 3.07 | C | <0.86 | 5.75 | | <0.86 | 0.89 | # | <1.72 | | 6.68 | C | NR | | <0.86 | 1.65 | # |
| EBU1 1-2 | ug/kg | 7.57 | C | 19.1 | <0.99 | 5.93 | C | <0.99 | 10.5 | # | <0.99 | 1.86 | | <1.98 | | 14.1 | C | NR | | <0.99 | 3.51 | |
| EBU1 1-3 | ug/kg | 4.11 | C | 10.7 | <0.62 | 3.32 | C | <0.62 | 6.14 | # | <0.62 | 0.84 | # | <1.24 | | 6.59 | C | NR | | <0.62 | 1.39 | |
| EBU1 1-4 | ug/kg | 5.34 | C | 14.8 | <0.59 | 4.32 | C | <0.59 | 7.32 | | <0.59 | 1.49 | | <1.18 | | 8.85 | C | NR | | <0.59 | 2.2 | # |
| EBU1 1-5 | ug/kg | 4.06 | C | 9.89 | <0.92 | 3.22 | C | <0.92 | 5.77 | | <0.92 | 0.88 | # | <1.84 | | 7.29 | C | NR | | <0.92 | 1.65 | # |
| EBU2 1-1 | ug/kg | 3.68 | C | 7.77 | <0.99 | 2.64 | C | <0.99 | 4.06 | # | <0.99 | 0.73 | # | <1.98 | | 7.3 | C | NR | | <0.99 | 1.57 | # |
| EBU2 2-1 | ug/kg | 4.56 | C | 11.2 | <0.93 | 2.93 | C | <0.93 | 5.26 | # | <0.93 | 1.08 | | <1.86 | | 8.31 | C | NR | | <0.93 | 2.04 | |
| EBU2 3-1 | ug/kg | 3.94 | C | 11.3 | <0.94 | 2.6 | C | <0.94 | 4.9 | | <0.94 | 0.68 | | <1.88 | | 6.52 | C | NR | | <0.94 | 1.6 | |
| EBU2 4-1 | ug/kg | 5.23 | C | 15.5 | <0.93 | 3.99 | C | <0.93 | 6.87 | # | <0.93 | 1.13 | | <1.86 | | 9.84 | C | NR | | <0.93 | 2.44 | |
| EBU2 5-1 | ug/kg | 4.09 | C | 7.09 | <0.99 | 2.74 | C | <0.99 | 6.07 | | <0.99 | 1.05 | | <1.98 | | 9.36 | C | NR | | <0.99 | 2.37 | |
| EBU3 1-1 | ug/kg | 5.98 | C | 16.8 | <0.85 | 3.88 | C | 0.78 | 9.39 | | <0.85 | 1.29 | | <1.70 | | 11 | C | NR | | <0.85 | 3.24 | |
| EBU3 2-1 | ug/kg | 5.96 | C | 15 | <0.73 | 3.49 | C | <0.73 | 9.4 | | <0.73 | 1.22 | | <1.46 | | 8.13 | C | NR | | <0.73 | 2.96 | |
| EBU3 3-1 | ug/kg | 6.88 | C | 17.6 | <0.95 | 4.28 | C | <0.95 | 11.7 | | <0.95 | 1.58 | | <1.90 | | 10.2 | C | NR | | <0.95 | 3.41 | # |
| EBU3 4-1 | ug/kg | 5.84 | C | 15.8 | <0.73 | 3.93 | C | <0.73 | 9.87 | | <0.73 | 1.65 | | <1.46 | | 9.06 | C | NR | | <0.73 | 2.68 | # |
| EBU3 5-1 | ug/kg | 5.63 | C | 16.2 | <0.85 | 3.68 | C | <0.85 | 9.12 | | <0.85 | 1.28 | | <1.70 | | 9.3 | C | NR | | <0.85 | 3.66 | # |
| EBU4 1-1 | ug/kg | 5.26 | C | 16.1 | <0.56 | 4.59 | C | <0.56 | 8.57 | | <0.56 | 1.3 | | 0.55 | C | 8.2 | C | NR | | <0.56 | 2.47 | # |
| EBU4 2-1 | ug/kg | 6.17 | C | 17 | <0.71 | 4.79 | C | <0.71 | 10.9 | | <0.71 | 1.28 | | <1.42 | | 8.92 | C | NR | | <0.71 | 2.51 | # |
| EBU4 3-1 | ug/kg | 5.07 | C | 14.1 | <0.99 | 4.14 | C | <0.99 | 8.06 | | <0.99 | 1.05 | | <1.98 | | 8.45 | C | NR | | <0.99 | 1.94 | # |
| EBU4 4-1 | ug/kg | 6.97 | C | 18.4 | <0.99 | 4.97 | C | <0.99 | 8.68 | # | <0.99 | 1.79 | | <1.98 | | 11.7 | C | NR | | <0.99 | 2.93 | # |
| EBU4 5-1 | ug/kg | 6.75 | C | 20.2 | <1.00 | 5.23 | C | <1.00 | 8.93 | # | <1.00 | 1.54 | | <2.00 | | 12.2 | C | NR | | <1.00 | 2.88 | # |
| EBU5 1-1 | ug/kg | 3.69 | C | 8.9 | <1.00 | 3.14 | C | <1.00 | 4.03 | # | <1.00 | 1.04 | | <2.00 | | 9.84 | C | NR | | <1.00 | 2.26 | # |
| EBU5 2-1 | ug/kg | 3.51 | C | 9.15 | <1.00 | 3.22 | C | <1.00 | 3.1 | # | <1.00 | 1 | | <2.00 | | 9.23 | C | NR | | <1.00 | 2.23 | # |
| EBU5 3-1 | ug/kg | 3.75 | C | 10.1 | <0.93 | 3.21 | C | <0.93 | 4.42 | # | <0.93 | 1.02 | | <1.86 | | 5.58 | C | NR | | <0.93 | 1.81 | # |
| EBU5 4-1 | ug/kg | 3.75 | C | 9.93 | <0.97 | 3.59 | C | <0.97 | 4.13 | # | <0.97 | 1.04 | | <1.94 | | 9.25 | C | NR | | <0.97 | 1.82 | # |
| EBU5 5-1 | ug/kg | 4.26 | C | 12.1 | <0.99 | 3.42 | C | <0.99 | 4.52 | # | <0.99 | 1.14 | | <1.98 | | 9.74 | C | NR | | <0.99 | 2.16 | # |

Notes:

 = BRL
 = J Value


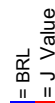
BRL = Below Reporting Limit
 J Value = Below reporting limit but above detection limit.
 C = Data confirmed based upon retention time but reported from one column only due to coelution.
 # = Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - PCB Congener Tissue Summary Report

Table 2
Results based on wet weights.

| Sample ID | Units | PCB 153 | PCB 154 | PCB 156 | PCB 159 | PCB 167 | PCB 171 | PCB 173 | PCB 180 | Q | PCB 182 | Q | PCB 183 | Q | PCB 185 | Q | PCB 187 | PCB 189 | PCB 191 |
|-----------|-------|---------|---------|---------|---------|---------|---------|---------|---------|----|---------|---|---------|---|---------|---|---------|---------|---------|
| CONTROL-1 | ug/kg | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | | <0.95 | | <0.95 | | <0.95 | | 0.59 | <0.95 | <0.95 |
| CONTROL-2 | ug/kg | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | | <1.00 | | <1.00 | | <1.00 | | 0.61 | <1.00 | <1.00 |
| CONTROL-3 | ug/kg | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | | <0.96 | | <0.96 | | <0.96 | | 0.62 | <0.96 | <0.96 |
| EBU1 1-1 | ug/kg | NR | <0.86 | NR | NR | <0.86 | NR | <0.86 | 1.03 | # | <0.86 | | 0.36 | | <0.86 | | NR | <0.86 | <0.86 |
| EBU1 1-2 | ug/kg | NR | <0.99 | NR | NR | <0.99 | NR | <0.99 | 1.77 | # | <0.99 | | 0.73 | | 0.58 | | NR | <0.99 | <0.99 |
| EBU1 1-3 | ug/kg | NR | <0.62 | NR | NR | <0.62 | NR | <0.62 | 1.14 | # | <0.62 | | 0.36 | | 0.31 | | NR | <0.62 | <0.62 |
| EBU1 1-4 | ug/kg | NR | <0.59 | NR | NR | <0.59 | NR | <0.59 | 1.47 | C# | <0.59 | | 0.64 | | 0.39 | | NR | <0.59 | <0.59 |
| EBU1 1-5 | ug/kg | NR | <0.92 | NR | NR | <0.92 | NR | <0.92 | 1.31 | C# | <0.92 | | <0.92 | | 0.39 | | NR | <0.92 | <0.92 |
| EBU2 2-1 | ug/kg | NR | <0.99 | NR | NR | <0.99 | NR | <0.99 | 0.79 | | <0.99 | | <0.99 | | 0.43 | | NR | <0.99 | <0.99 |
| EBU2 2-1 | ug/kg | NR | <0.93 | NR | NR | <0.93 | NR | <0.93 | 0.85 | C | <0.93 | | 0.39 | | 0.31 | | NR | <0.93 | <0.93 |
| EBU2 3-1 | ug/kg | NR | <0.94 | NR | NR | <0.94 | NR | <0.94 | 0.89 | C | <0.94 | | <0.94 | | <0.94 | | NR | <0.94 | <0.94 |
| EBU2 4-1 | ug/kg | NR | <0.93 | NR | NR | <0.93 | NR | <0.93 | 1.07 | C# | 0.38 | | 0.44 | | 0.38 | | NR | <0.93 | <0.93 |
| EBU2 5-1 | ug/kg | NR | <0.85 | NR | NR | <0.85 | NR | <0.85 | 4.61 | C | <0.85 | | 1.62 | | 0.44 | | NR | <0.85 | <0.85 |
| EBU3 1-1 | ug/kg | NR | <0.73 | NR | NR | <0.73 | NR | <0.73 | 1.6 | C | <0.73 | | 1.05 | | 0.89 | | NR | <0.73 | <0.73 |
| EBU3 2-1 | ug/kg | NR | <0.95 | NR | NR | <0.95 | NR | <0.95 | 1.09 | C | <0.73 | | 0.51 | | <0.73 | | NR | <0.73 | <0.73 |
| EBU3 3-1 | ug/kg | NR | <0.73 | NR | NR | <0.73 | NR | <0.73 | 1.57 | C | <0.95 | | 0.63 | | 0.36 | | NR | <0.95 | <0.95 |
| EBU3 4-1 | ug/kg | NR | <0.73 | NR | NR | <0.73 | NR | <0.73 | 1.21 | C | <0.73 | | 0.43 | | 0.33 | | NR | <0.73 | <0.73 |
| EBU3 5-1 | ug/kg | NR | <0.85 | NR | NR | <0.85 | NR | <0.85 | 0.9 | C | <0.85 | | 0.49 | | 0.32 | | NR | <0.85 | <0.85 |
| EBU4 1-1 | ug/kg | NR | <0.56 | NR | NR | <0.56 | NR | <0.56 | 2.38 | # | 0.814 | | 1.13 | | 0.29 | | NR | <0.56 | <0.56 |
| EBU4 2-1 | ug/kg | NR | <0.71 | NR | NR | <0.71 | NR | <0.71 | 1.64 | # | <0.71 | | 1.3 | | 0.55 | | NR | <0.71 | <0.71 |
| EBU4 3-1 | ug/kg | NR | <0.99 | NR | NR | <0.99 | NR | <0.99 | 1.53 | # | <0.99 | | 0.55 | | 0.36 | | NR | <0.99 | <0.99 |
| EBU4 4-1 | ug/kg | NR | <0.99 | NR | NR | <0.99 | NR | <0.99 | 1.8 | # | <0.99 | | 0.97 | | 0.48 | | NR | <0.99 | <0.99 |
| EBU4 5-1 | ug/kg | NR | <1.00 | NR | NR | <1.00 | NR | <1.00 | 1.62 | # | <1.00 | | 0.75 | | 0.55 | | NR | <1.00 | <1.00 |
| EBU5 1-1 | ug/kg | NR | <1.00 | NR | NR | <1.00 | NR | <1.00 | 1.06 | # | <1.00 | | 0.59 | | <1.00 | | NR | <1.00 | <1.00 |
| EBU5 2-1 | ug/kg | NR | <1.00 | NR | NR | <1.00 | NR | <1.00 | 1.69 | # | <1.00 | | 0.82 | | 0.47 | | NR | <1.00 | <1.00 |
| EBU5 3-1 | ug/kg | NR | <0.93 | NR | NR | <0.93 | NR | <0.93 | 1.02 | # | <0.93 | | 0.59 | | 0.39 | | NR | <0.93 | <0.93 |
| EBU5 4-1 | ug/kg | NR | <0.97 | NR | NR | <0.97 | NR | <0.97 | 1.12 | # | <0.97 | | 0.44 | | 0.38 | | NR | <0.97 | <0.97 |
| EBU5 5-1 | ug/kg | NR | <0.99 | NR | NR | <0.99 | NR | <0.99 | 0.95 | # | <0.99 | | 0.52 | | 0.62 | | NR | <0.99 | <0.99 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit
J Value = Below reporting limit but above detection
C = Data confirmed based upon retention time but reported from one column only due to coelution.
= Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - PCB Congener Tissue Summary Report

Table 2

Results based on wet weights.

| Sample ID | Units | PCB 194 | PCB 195 | Q | PCB 196 | Q | PCB 199 | PCB 201 | Q | PCB 202 | Q | PCB 203 | Q | PCB 205 | PCB 206 | PCB 207 | PCB 208 | Q | PCB 155 |
|-----------|-------|---------|---------|-------|---------|-------|---------|---------|-------|---------|-------|---------|-------|---------|---------|---------|---------|-------|---------|
| CONTROL-1 | ug/kg | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 | <0.95 |
| CONTROL-2 | ug/kg | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| CONTROL-3 | ug/kg | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 |
| EBU1 1-1 | ug/kg | <0.86 | <0.86 | <0.86 | <0.86 | <0.86 | 0.45 | 0.45 | C | <0.86 | <0.86 | 0.27 | C | <0.86 | 0.47 | <0.86 | 0.33 | C | <0.86 |
| EBU1 1-2 | ug/kg | <0.99 | <0.99 | <0.99 | <0.99 | <0.99 | 1.06 | 1.06 | C | <0.99 | <0.99 | 0.77 | C | <0.99 | 0.91 | <0.99 | 0.76 | C | <0.99 |
| EBU1 1-3 | ug/kg | <0.62 | <0.62 | <0.62 | <0.62 | <0.62 | 0.46 | 0.46 | C | <0.62 | <0.62 | 0.27 | C | <0.62 | 0.51 | <0.62 | 0.33 | C | <0.62 |
| EBU1 1-4 | ug/kg | 0.23 | <0.59 | <0.59 | <0.59 | <0.59 | 0.618 | 0.618 | C | <0.59 | <0.59 | 0.34 | C | <0.59 | 0.612 | <0.59 | 0.49 | C | <0.59 |
| EBU1 1-5 | ug/kg | <0.92 | <0.92 | <0.92 | <0.92 | <0.92 | 0.46 | 0.46 | C | <0.92 | <0.92 | <0.92 | C | <0.92 | 0.49 | <0.92 | 0.4 | C | <0.92 |
| EBU2 1-1 | ug/kg | <0.99 | <0.99 | <0.99 | <0.99 | <0.99 | 0.44 | 0.44 | C | <0.99 | <0.99 | <0.99 | C | <0.99 | 0.54 | <0.99 | 0.44 | C | <0.99 |
| EBU2 2-1 | ug/kg | <0.93 | <0.93 | <0.93 | <0.93 | <0.93 | 0.59 | 0.59 | C | <0.93 | <0.93 | 0.31 | C | <0.93 | 0.65 | <0.93 | 0.59 | C | <0.93 |
| EBU2 3-1 | ug/kg | <0.94 | 1.17 | C | <0.94 | <0.94 | 0.44 | 0.44 | C | <0.94 | <0.94 | 0.33 | C | <0.94 | <0.94 | <0.94 | 0.63 | C | <0.94 |
| EBU2 4-1 | ug/kg | <0.93 | <0.93 | <0.93 | <0.93 | <0.93 | 0.76 | 0.76 | C | <0.93 | <0.93 | 0.42 | C | <0.93 | 1.05 | <0.93 | 0.72 | C | <0.93 |
| EBU2 5-1 | ug/kg | 1.14 | 0.62 | C | 0.82 | C | 0.82 | 1.31 | C | <0.99 | <0.99 | 0.9 | C | <0.99 | 0.9 | <0.99 | 0.58 | C | <0.99 |
| EBU3 1-1 | ug/kg | <0.85 | 0.28 | C | <0.85 | <0.85 | <0.85 | <0.85 | C | <0.85 | <0.85 | 0.5 | C | <0.85 | 1.18 | <0.85 | 0.97 | C | <0.85 |
| EBU3 2-1 | ug/kg | <0.73 | <0.73 | <0.73 | <0.73 | <0.73 | 1.53 | 1.53 | C | 0.29 | C | 0.57 | C | <0.73 | 1.05 | <0.73 | 0.87 | C | <0.73 |
| EBU3 3-1 | ug/kg | 0.36 | <0.95 | <0.95 | <0.95 | <0.95 | 1.07 | 1.07 | C | <0.95 | <0.95 | 0.55 | C | 0.95 | 1.46 | <0.95 | 1.1 | C | <0.95 |
| EBU3 4-1 | ug/kg | 0.35 | <0.73 | <0.73 | <0.73 | <0.73 | 0.91 | 0.91 | C | <0.73 | <0.73 | 0.48 | C | <0.73 | 1.21 | <0.73 | 0.92 | C | <0.73 |
| EBU3 5-1 | ug/kg | <0.85 | <0.85 | <0.85 | <0.85 | <0.85 | 0.95 | 0.95 | C | <0.85 | <0.85 | 0.51 | C | <0.85 | 1.26 | <0.85 | 1 | C | <0.85 |
| EBU4 1-1 | ug/kg | 0.19 | <0.56 | <0.56 | <0.56 | <0.56 | 0.25 | 0.55 | C | <0.56 | <0.56 | 0.32 | C | <0.56 | 0.52 | <0.56 | 0.47 | C | <0.56 |
| EBU4 2-1 | ug/kg | <0.71 | 0.26 | C | <0.71 | <0.71 | 1.12 | 1.12 | C | <0.71 | <0.71 | 0.53 | C | <0.71 | 1.19 | <0.71 | 0.68 | C | <0.71 |
| EBU4 3-1 | ug/kg | <0.99 | <0.99 | <0.99 | <0.99 | <0.99 | 0.67 | 0.67 | C | <0.99 | <0.99 | 0.37 | C | <0.99 | 0.66 | <0.99 | 0.55 | C | <0.99 |
| EBU4 4-1 | ug/kg | <0.99 | <0.99 | <0.99 | <0.99 | <0.99 | 0.83 | 0.83 | C | <0.99 | <0.99 | 0.36 | C | <0.99 | 0.78 | <0.99 | 0.65 | C | <0.99 |
| EBU4 5-1 | ug/kg | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 0.88 | 0.88 | C | <1.00 | <1.00 | 0.45 | C | <1.00 | 0.85 | <1.00 | 0.64 | C | <1.00 |
| EBU5 1-1 | ug/kg | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 0.95 | 0.95 | C | <1.00 | <1.00 | 0.42 | C | <1.00 | 1.45 | <1.00 | 1.06 | C | <1.00 |
| EBU5 2-1 | ug/kg | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 0.87 | 0.87 | C | <1.00 | <1.00 | 0.38 | C | <1.00 | 1.16 | <1.00 | 0.98 | C | <1.00 |
| EBU5 3-1 | ug/kg | <0.93 | <0.93 | <0.93 | <0.93 | <0.93 | 0.71 | 0.71 | C | <0.93 | <0.93 | 0.45 | C | <0.93 | 0.93 | 0.35 | 0.71 | C | <0.93 |
| EBU5 4-1 | ug/kg | <0.97 | <0.97 | <0.97 | <0.97 | <0.97 | 0.83 | 0.83 | C | <0.97 | <0.97 | 0.4 | C | <0.97 | 1.24 | <0.97 | 0.97 | C | <0.97 |
| EBU5 5-1 | ug/kg | <0.99 | <0.99 | <0.99 | <0.99 | <0.99 | 1.03 | 1.03 | C | <0.99 | <0.99 | 0.45 | C | <0.99 | 1.33 | <0.99 | 1.1 | C | <0.99 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above dete

C = Data confirmed based upon retention time but reported from one column only dt

= Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - Metals Tissue Summary Report
Table 3

Results based on wet weights.

| Sample ID | Units | SB | AS | BE | CD | CR | CU | PB | NI | SE | AG | TL | ZN | AL | BA | CA | CO |
|-------------|-------|--------|-------|--------|--------|--------|------|------|------|--------|--------|--------|------|------|------|------|-------|
| CONTROL-1 | mg/kg | 0.0466 | 1.39 | 0.028 | 0.0576 | 1.34 | 5.43 | 3 | 1.89 | 0.678 | <0.025 | <0.025 | 37 | 412 | 122 | 1260 | 0.665 |
| CONTROL-2 | mg/kg | <0.025 | 0.843 | <0.025 | 0.0465 | 0.283 | 4.73 | 2.21 | 1.03 | 0.607 | <0.025 | <0.025 | 38.2 | 158 | 118 | 365 | 0.449 |
| CONTROL-3 | mg/kg | <0.025 | 1.12 | <0.025 | 0.0648 | 0.0711 | 4.61 | 1.33 | 1.18 | 0.647 | <0.025 | <0.025 | 36.1 | 236 | 31.1 | 738 | 0.562 |
| EBU1 1-1 | mg/kg | 0.029 | 1.09 | 0.0357 | 0.192 | 5.23 | 10.1 | 7.65 | 5.25 | 0.43 | <0.025 | 0.191 | 80 | 279 | 26.9 | 1360 | 1.04 |
| EBU1 1-2 | mg/kg | 0.0574 | 1.16 | 0.0336 | 0.112 | 6.89 | 10.4 | 8.91 | 4.27 | 0.552 | <0.025 | <0.025 | 58.9 | 265 | 73.6 | 1300 | 0.77 |
| EBU1 1-3 | mg/kg | <0.025 | 0.41 | 0.0564 | 0.247 | 5.85 | 13.2 | 1.48 | 7.52 | 0.392 | <0.025 | 0.0259 | 96.2 | 342 | 13.9 | 4100 | 1.61 |
| EBU1 1-4 | mg/kg | <0.025 | 0.769 | <0.025 | 0.0547 | 1.9 | 4.31 | 3.94 | 2.14 | 0.435 | <0.025 | 0.0457 | 39.4 | 145 | 56.4 | 723 | 0.39 |
| EBU1 1-5 | mg/kg | 0.0281 | 1.04 | 0.0401 | 0.166 | 6.15 | 11 | 13.4 | 4.3 | 0.467 | <0.025 | <0.025 | 75.3 | 431 | 55.9 | 1420 | 0.931 |
| EBU2 1-1 | mg/kg | 0.0349 | 1.24 | 0.048 | 0.297 | 11.2 | 19.4 | 15.2 | 10.2 | 0.493 | <0.025 | 0.0362 | 127 | 433 | 30.6 | 1070 | 1.47 |
| EBU2 2-1 | mg/kg | 0.0881 | 0.954 | 0.0277 | 0.155 | 4.13 | 9.1 | 10 | 3.87 | 0.452 | 0.0289 | <0.025 | 73.7 | 284 | 64.9 | 584 | 0.709 |
| EBU2 3-1 | mg/kg | 0.0909 | 1.31 | 0.0537 | 0.313 | 8.07 | 19.1 | 20.8 | 6.92 | 0.485 | <0.025 | 0.0339 | 96.4 | 462 | 63.6 | 1110 | 1.08 |
| EBU2 3-1 MD | mg/kg | <0.025 | 1.07 | 0.0572 | 0.336 | 12.3 | 19.6 | 8 | 10.5 | 4.22 | <0.025 | 0.0471 | 134 | 507 | 16.5 | 1330 | 1.41 |
| EBU2 4-1 | mg/kg | <0.025 | 0.756 | <0.025 | 0.52 | 2.17 | 5.93 | 5.39 | 2.01 | 0.514 | 0.0371 | <0.025 | 44.6 | 254 | 81.9 | 323 | 0.434 |
| EBU2 5-1 | mg/kg | 0.106 | 1.94 | 0.0802 | 0.461 | 13.3 | 24.3 | 30.4 | 19.6 | 0.476 | 0.0329 | 0.0557 | 170 | 676 | 48.4 | 2310 | 2.31 |
| EBU3 1-1 | mg/kg | 0.0642 | 1.06 | 0.0423 | 0.32 | 15.9 | 26.6 | 29.5 | 15.1 | 0.0448 | 0.0283 | 0.0324 | 152 | 386 | 76 | 861 | 1.42 |
| EBU3 2-1 | mg/kg | 0.142 | 1.34 | 0.0535 | 0.31 | 15 | 23.4 | 26.2 | 22 | 0.413 | 0.0516 | 0.0446 | 168 | 369 | 61.3 | 1340 | 1.75 |
| EBU3 3-1 | mg/kg | 0.0425 | 1.22 | 0.0487 | 0.282 | 13.7 | 21.3 | 22.8 | 20 | 0.376 | 0.047 | 0.0406 | 159 | 212 | 55.7 | 1220 | 1.59 |
| EBU3 4-1 | mg/kg | 0.0486 | 1.52 | 0.0483 | 0.387 | 21.3 | 33.8 | 42.8 | 27.5 | 0.446 | 0.0433 | 0.054 | 214 | 442 | 70.6 | 1200 | 2.4 |
| EBU3 5-1 | mg/kg | 0.026 | 1.09 | 0.0602 | 0.297 | 12.5 | 22.1 | 28.1 | 16.8 | 0.402 | 0.0309 | 0.0354 | 171 | 638 | 80.1 | 1200 | 1.62 |
| EBU4 1-1 | mg/kg | 0.105 | 1.05 | 0.0588 | 0.186 | 15.2 | 19.5 | 40.6 | 6.2 | 0.38 | 0.0315 | 0.0514 | 74 | 460 | 55.8 | 2510 | 2.48 |
| EBU4 2-1 | mg/kg | 0.0543 | 0.843 | 0.041 | 0.141 | 5.32 | 18.2 | 20.1 | 4.58 | 0.402 | <0.025 | <0.025 | 71 | 353 | 67.1 | 1690 | 0.886 |
| EBU4 3-1 | mg/kg | 0.0568 | 1.69 | 0.109 | 0.321 | 29.6 | 26.2 | 30.8 | 10.6 | 0.421 | 0.039 | 0.0408 | 117 | 886 | 49.7 | 3600 | 1.86 |
| EBU4 4-1 | mg/kg | <0.025 | 0.916 | <0.025 | 0.0612 | 5.38 | 6.49 | 6.83 | 2.17 | 0.466 | <0.025 | <0.025 | 96.6 | 510 | 88.2 | 554 | 0.54 |
| EBU4 4-1 MD | mg/kg | 0.0613 | 0.93 | 0.0433 | 0.127 | 3.72 | 7.74 | 10.2 | 4.29 | 0.322 | <0.025 | 0.027 | 284 | 1450 | 53.2 | 1110 | 0.734 |
| EBU4 5-1 | mg/kg | <0.025 | 0.833 | 0.0294 | 0.0675 | 2.47 | 8.02 | 8.7 | 2.77 | 0.444 | 0.059 | <0.025 | 107 | 718 | 87.5 | 601 | 0.695 |
| EBU5 1-1 | mg/kg | 0.153 | 0.793 | <0.025 | 0.0833 | 6.36 | 4.64 | 4.49 | 1.15 | 0.31 | 0.326 | <0.025 | 39 | 99.6 | 73.1 | 328 | 0.3 |
| EBU5 2-1 | mg/kg | 0.0481 | 0.73 | 0.034 | 0.0997 | 2.92 | 6.08 | 7.97 | 3.37 | 0.253 | <0.025 | <0.025 | 51.3 | 246 | 41.7 | 874 | 0.576 |
| EBU5 3-1 | mg/kg | 0.0338 | 1.02 | 0.0827 | 0.197 | 16.4 | 11.2 | 16.3 | 5.59 | 0.207 | 0.0768 | 0.0639 | 143 | 1460 | 31.2 | 2280 | 1 |
| EBU5 4-1 | mg/kg | 0.0406 | 1.03 | 0.0314 | 0.23 | 15.9 | 8.63 | 22.7 | 2.51 | 0.357 | <0.025 | <0.025 | 136 | 609 | 69.4 | 2770 | 0.574 |
| EBU5 5-1 | mg/kg | <0.025 | 0.844 | 0.0274 | 0.0725 | 13.8 | 6.05 | 6.34 | 2.08 | 0.38 | <0.025 | <0.025 | 96 | 744 | 99.4 | 536 | 0.626 |

Notes: <0.025 = BRL

BRL = Below Reporting Limit

Eighteenmile Creek AOC - Metals Tissue Summary Report
Table 3

Results based on wet weights.

| Sample ID | Units | FE | MG | MN | K | NA | V |
|-------------|-------|------|-----|------|------|-----|-------|
| CONTROL-1 | mg/kg | 1330 | 692 | 33.8 | 1200 | 772 | 1.45 |
| CONTROL-2 | mg/kg | 764 | 314 | 15.5 | 1330 | 758 | 0.568 |
| CONTROL-3 | mg/kg | 485 | 537 | 32.5 | 1340 | 691 | 1.09 |
| EBU1 1-1 | mg/kg | 1270 | 330 | 35.3 | 791 | 495 | 1.61 |
| EBU1 1-2 | mg/kg | 1190 | 331 | 27.4 | 1290 | 866 | 0.992 |
| EBU1 1-3 | mg/kg | 397 | 464 | 97.6 | 628 | 424 | 2.11 |
| EBU1 1-4 | mg/kg | 676 | 200 | 13.2 | 1110 | 728 | 0.518 |
| EBU1 1-5 | mg/kg | 1580 | 362 | 34.1 | 986 | 629 | 1.73 |
| EBU2 1-1 | mg/kg | 1770 | 362 | 24.4 | 917 | 582 | 1.82 |
| EBU2 2-1 | mg/kg | 1100 | 258 | 14.9 | 1070 | 702 | 1.06 |
| EBU2 3-1 | mg/kg | 1840 | 377 | 26.5 | 986 | 616 | 1.91 |
| EBU2 3-1 MD | mg/kg | 1610 | 473 | 32.9 | 786 | 494 | 2.38 |
| EBU2 4-1 | mg/kg | 720 | 245 | 10.4 | 1330 | 976 | 0.552 |
| EBU2 5-1 | mg/kg | 3210 | 537 | 45.8 | 719 | 431 | 3.25 |
| EBU3 1-1 | mg/kg | 1690 | 343 | 33 | 1120 | 591 | 1.99 |
| EBU3 2-1 | mg/kg | 1920 | 404 | 44.1 | 948 | 573 | 2.43 |
| EBU3 3-1 | mg/kg | 1750 | 368 | 40.1 | 863 | 521 | 2.21 |
| EBU3 4-1 | mg/kg | 2280 | 452 | 45.8 | 1050 | 615 | 2.85 |
| EBU3 5-1 | mg/kg | 1930 | 447 | 37.2 | 1170 | 643 | 2.12 |
| EBU4 1-1 | mg/kg | 2510 | 379 | 45.8 | 849 | 500 | 2.48 |
| EBU4 2-1 | mg/kg | 1770 | 342 | 31.1 | 1030 | 679 | 1.74 |
| EBU4 3-1 | mg/kg | 4220 | 629 | 89.8 | 767 | 435 | 4.66 |
| EBU4 4-1 | mg/kg | 1070 | 283 | 17.6 | 1350 | 899 | 0.787 |
| EBU4 4-1 MD | mg/kg | 1940 | 319 | 40.5 | 859 | 532 | 2.13 |
| EBU4 5-1 | mg/kg | 1230 | 304 | 28.6 | 1290 | 835 | 0.994 |
| EBU5 1-1 | mg/kg | 651 | 212 | 15.6 | 1190 | 656 | 0.714 |
| EBU5 2-1 | mg/kg | 1520 | 250 | 31.7 | 674 | 417 | 1.67 |
| EBU5 3-1 | mg/kg | 2190 | 536 | 61.3 | 618 | 293 | 2.82 |
| EBU5 4-1 | mg/kg | 1210 | 341 | 34.8 | 1100 | 596 | 1.36 |
| EBU5 5-1 | mg/kg | 1240 | 371 | 30.1 | 1370 | 771 | 1.1 |

Notes: = BRL

BRL = Below Reporting Limit

Eighteenmile Creek AOC - Mercury Tissue Summary Report

Table 4

Results based on wet weights.

| Sample ID | Units | HG |
|------------------|--------------|-----------|
| CONTROL-1 | mg/kg | 0.0313 |
| CONTROL-2 | mg/kg | 0.0378 |
| CONTROL-3 | mg/kg | 0.187 |
| EBU1 1-1 | mg/kg | 0.0853 |
| EBU1 1-1 MD | mg/kg | 0.0848 |
| EBU1 1-2 | mg/kg | 11.5 |
| EBU1 1-3 | mg/kg | 0.112 |
| EBU1 1-4 | mg/kg | 0.0833 |
| EBU1 1-5 | mg/kg | 0.0718 |
| EBU2 1-1 | mg/kg | 0.116 |
| EBU2 2-1 | mg/kg | 0.0929 |
| EBU2 3-1 | mg/kg | 0.195 |
| EBU2 4-1 | mg/kg | 0.0436 |
| EBU2 5-1 | mg/kg | 0.113 |
| EBU3 1-1 | mg/kg | 0.148 |
| EBU3 2-1 | mg/kg | 0.116 |
| EBU3 3-1 | mg/kg | 0.227 |
| EBU3 4-1 | mg/kg | 0.198 |
| EBU3 5-1 | mg/kg | 0.169 |
| EBU4 1-1 | mg/kg | 0.105 |
| EBU4 2-1 | mg/kg | 0.0607 |
| EBU4 3-1 | mg/kg | 0.128 |
| EBU4 4-1 | mg/kg | 0.0241 |
| EBU4 5-1 | mg/kg | 0.0409 |
| EBU5 1-1 | mg/kg | 0.0304 |
| EBU5 2-1 | mg/kg | 0.0434 |
| EBU5 3-1 | mg/kg | 0.0269 |
| EBU5 4-1 | mg/kg | 0.029 |
| EBU5 5-1 | mg/kg | 0.0148 |

APPENDIX C

EIGHTEENMILE CREEK AOC

SEDIMENT & TISSUE

QA/QC SUMMARY

Eighteenmile Creek AOC - Sediment Quality Control and Matrix Spike Recovery (%) Summary

TABLE 1

| | MS | EMC-4 MSD | RPD | LCS | LCS | LCS Dup | RPD | Recovery Limits | | |
|--------------------|------|--------------|------|------|------|---------|------|-----------------|------|-----|
| | | | | | | | | Low | High | RPD |
| Arochlor | | | | | | | | | | |
| PCB-1016 | 161 | 165 | 2.1 | | 101 | 102 | 0.4 | 40 | 150 | ≤50 |
| PCB-1221 | | | | | | | | 40 | 150 | ≤50 |
| PCB-1232 | | | | | | | | 40 | 150 | ≤50 |
| PCB-1242 | | | | | | | | 40 | 150 | ≤50 |
| PCB-1248 | | | | | | | | 40 | 150 | ≤50 |
| PCB-1254 | | | | | | | | 40 | 150 | ≤50 |
| PCB-1260 | 102 | 104 | 2.0 | | 109 | 102 | 6.9 | 40 | 150 | ≤50 |
| Pesticides | | | | | | | | | | |
| Aldrin | 28.1 | 27.6 | 1.6 | 96.6 | 78.3 | 80.2 | 2.5 | 40 | 150 | ≤50 |
| A-BHC | 35.2 | 37.1 | 5.2 | 85.9 | 67.6 | 72.4 | 6.9 | 40 | 150 | ≤50 |
| B-BHC | 76.6 | 67.0 | 13.3 | 81.3 | 98.4 | 103 | 4.5 | 40 | 150 | ≤50 |
| G-BHC | 56.5 | 56.5 | 0.0 | 93.3 | 73.8 | 80.1 | 8.2 | 40 | 150 | ≤50 |
| D-BHC | 37.8 | 38.2 | 0.9 | 95.4 | 111 | 118 | 6.3 | 40 | 150 | ≤50 |
| PPDDD | 87.4 | 73.9 | 16.7 | 92.7 | 91.0 | 96.4 | 5.8 | 40 | 150 | ≤50 |
| PPDDE | | | | 91.5 | 94.2 | 89.7 | 4.9 | 40 | 150 | ≤50 |
| PPDDT | 66.9 | 65.9 | 1.4 | 90.6 | 93.4 | 97.8 | 4.5 | 40 | 150 | ≤50 |
| Heptachlor | 83.4 | 76.8 | 8.3 | 90.6 | 93.7 | 96.0 | 2.4 | 40 | 150 | ≤50 |
| Dieldrin | 57.1 | 59.0 | 3.2 | 85.0 | 87.3 | 89.1 | 2.0 | 40 | 150 | ≤50 |
| A-Endosulfan | | | | | | | | 40 | 150 | ≤50 |
| B-Endosulfan | | | | | | | | 40 | 150 | ≤50 |
| Endosulfan sulfate | 43.5 | 43.6 | 0.3 | 123 | 86.8 | 97.5 | 11.6 | 40 | 150 | ≤50 |
| Endrin | 43.8 | 35.8 | 20.1 | 80.2 | 85.5 | 87.4 | 2.3 | 40 | 150 | ≤50 |
| Endrin Aldehyde | | | | | | | | 40 | 150 | ≤50 |
| Heptachlor Epoxide | 41.1 | 40.6 | 1.1 | 94.9 | 88.8 | 89.5 | 0.8 | 40 | 150 | ≤50 |
| Methoxychlor | 96.6 | 102 | 5.5 | 106 | 101 | 105 | 4.2 | 40 | 150 | ≤50 |
| Chlordane | | | | | | | | 40 | 150 | ≤50 |
| Toxaphene | | | | | | | | 40 | 150 | ≤50 |
| Congeners | | | | | | | | | | |
| PCB 18 | | | | 89.1 | 94.2 | 82.9 | 12.7 | 40 | 150 | ≤50 |
| PCB 31 | | | | 74.1 | 92.4 | 78.9 | 15.8 | 40 | 150 | ≤50 |
| PCB 44 | | | | 77.1 | 85.6 | 75.9 | 12.1 | 40 | 150 | ≤50 |
| PCB 49 | | | | 76.3 | 84.9 | 75.3 | 12.0 | 40 | 150 | ≤50 |
| PCB 52 | | | | 81.7 | 91.2 | 81.1 | 11.7 | 40 | 150 | ≤50 |
| PCB 77 | 68.0 | 63.3 | 1.8 | 84.0 | 84.1 | 72.6 | 14.7 | 40 | 150 | ≤50 |
| PCB 87 | | | | 97.9 | 97.9 | 89.1 | 9.5 | 40 | 150 | ≤50 |
| PCB 105 | 84.0 | 78.1 | 1.8 | 87.1 | 79.0 | 72.7 | 8.3 | 40 | 150 | ≤50 |
| PCB 114 | 89.9 | 98.2 | 2.2 | 90.3 | 77.8 | 70.8 | 9.5 | 40 | 150 | ≤50 |
| PCB 118 | 72.2 | 65.1 | 2.6 | 95.7 | 86.1 | 78.6 | 9.1 | 40 | 150 | ≤50 |
| PCB 121 | 80.5 | 81.1 | 0.2 | 99.3 | 88.0 | 79.6 | 10.0 | 40 | 150 | ≤50 |
| PCB 128 | 79.3 | 81.1 | 0.6 | 98.4 | 90.1 | 85.0 | 5.8 | 40 | 150 | ≤50 |
| PCB 138 | 75.7 | 67.5 | 2.9 | 97.8 | 89.2 | 82.8 | 7.5 | 40 | 150 | ≤50 |
| PCB 141 | 63.3 | 63.3 | 0.0 | 87.3 | 79.5 | 72.9 | 8.7 | 40 | 150 | ≤50 |
| PCB 151 | 91.1 | 84.6 | 1.8 | 90.3 | 80.8 | 73.9 | 8.9 | 40 | 150 | ≤50 |
| PCB 170 | 86.4 | 85.8 | 0.2 | 96.9 | 91.5 | 87.1 | 4.9 | 40 | 150 | ≤50 |
| PCB 183 | 81.7 | 79.9 | 0.6 | 100 | 91.0 | 84.7 | 7.2 | 40 | 150 | ≤50 |
| PCB 195 | 91.1 | 87.6 | 1.0 | 87.3 | 83.1 | 82.5 | 0.7 | 40 | 150 | ≤50 |
| PCB 206 | 74.0 | 71.0 | 1.0 | 86.1 | 81.1 | 78.3 | 3.6 | 40 | 150 | ≤50 |

Results based on dry weights.

Eighteenmile Creek AOC - Sediment Quality Control and Matrix Spike Recovery (%) Summary

TABLE 2

| Metals | EMC-4 | | EMC-4 | | LCS | Result | EBU-5 Duplicate | | RPD | MS | MSD | RPD | LCS | Recovery Limits | | RPD |
|----------------------|--------|-----------|-------|-----------|------|--------|-----------------|-----|------|------|------|-----|-----|-----------------|-----|-----|
| | Result | Duplicate | RPD | Duplicate | | | MS | MSD | | | | | | High | Low | |
| Antimony | 0.54 | 0.51 | 6.7 | | 104 | | | | | | | | | 75 | 125 | ≤25 |
| Arsenic | 4.91 | 4.65 | 5.4 | | 89.1 | | | | | | | | | 75 | 125 | ≤25 |
| Barium | 136 | 141 | 3.6 | | 96.5 | | | | | | | | | 75 | 125 | ≤25 |
| Beryllium | 0.76 | 0.69 | 8.9 | | 89.0 | | | | | | | | | 75 | 125 | ≤25 |
| Cadmium | 1.78 | 1.70 | 4.6 | | 87.8 | | | | | | | | | 75 | 125 | ≤25 |
| Cromium | 101 | 105 | 3.9 | | 99.0 | | | | | | | | | 75 | 125 | ≤25 |
| Copper | 150 | 156 | 3.9 | | 99.0 | | | | | | | | | 75 | 125 | ≤25 |
| Lead | 189 | 202 | 6.6 | | 101 | | | | | | | | | 75 | 125 | ≤25 |
| Mercury | | | | | | 0.044 | 0.040 | | 9.5 | 86.0 | 84.0 | 2.4 | 105 | 80 | 120 | ≤25 |
| Nickel | 72.9 | 76.7 | 5.0 | | 92.0 | | | | | | | | | 75 | 125 | ≤25 |
| Selenium | 0.58 | 0.68 | 15.1 | | 83.4 | | | | | | | | | 75 | 125 | ≤25 |
| Silver | 0.97 | 0.87 | 11.6 | | 85.8 | | | | | | | | | 75 | 125 | ≤25 |
| Sodium | 193 | 181 | 6.4 | | | | | | | | | | | 75 | 125 | ≤25 |
| Thallium | 0.36 | 0.35 | 2.5 | | 100 | | | | | | | | | 75 | 125 | ≤25 |
| Zinc | 674 | 718 | 6.3 | | 79.4 | | | | | | | | | 75 | 125 | ≤25 |
| Cobalt | 13.9 | 13.2 | 5.2 | | 101 | | | | | | | | | 75 | 125 | ≤25 |
| Vanadium | 27.4 | 26.5 | 3.3 | | 99.0 | | | | | | | | | 75 | 125 | ≤25 |
| Aluminum | 12800 | 14000 | 9.0 | | 73.0 | | | | | | | | | 75 | 125 | ≤25 |
| Calcium | 14000 | 13600 | 2.9 | | | | | | | | | | | 75 | 125 | ≤25 |
| Iron | 26500 | 28400 | 6.9 | | 104 | | | | | | | | | 75 | 125 | ≤25 |
| Magnesium | 6990 | 6840 | 2.2 | | | | | | | | | | | 75 | 125 | ≤25 |
| Manganese | 376 | 392 | 4.2 | | 96.6 | | | | | | | | | 75 | 125 | ≤25 |
| Potassium | 3800 | 3620 | 4.9 | | | | | | | | | | | 75 | 125 | ≤25 |
| Miscellaneous | | | | | | | | | | | | | | | | |
| TOC | | | | | | 29000 | 26000 | | 10.9 | | | | 104 | 80 | 120 | ≤25 |

Results based on dry weights.

Eighteenmile Creek AOC - Tissue Quality Control and Matrix Spike Recovery (%) Summary

TABLE 3

| Pesticides | EBU-3 | | | Recovery Limits | | | High | RPD |
|--------------------|-------|------|------|-----------------|---------|-----|------|-----|
| | MS | MSD | RPD | LCS | LCS Dup | RPD | | |
| Aldrin | 58.0 | 60.0 | 3.4 | 82.5 | | | 150 | ≤50 |
| A-BHC | 56.0 | 57.5 | 2.6 | 68.5 | | | 150 | ≤50 |
| B-BHC | 82.0 | 88.5 | 7.6 | 96.5 | | | 150 | ≤50 |
| G-BHC | 48.6 | 48.8 | 0.4 | 74.0 | | | 150 | ≤50 |
| D-BHC | 27.2 | 46.3 | 52.0 | 70.5 | | | 150 | ≤50 |
| PPDDD | 61.5 | 58.5 | 5.0 | 87.5 | | | 150 | ≤50 |
| PPDDE | 67.5 | 70.0 | 14.0 | 97.5 | | | 150 | ≤50 |
| PPDDT | 64.0 | 65.0 | 1.6 | 83.5 | | | 150 | ≤50 |
| Heptachlor | 70.5 | 69.5 | 1.4 | 84.0 | | | 150 | ≤50 |
| Dieldrin | 50.5 | 53.0 | 4.8 | 83.0 | | | 150 | ≤50 |
| A-Endosulfan | | | | | | | 150 | ≤50 |
| B-Endosulfan | | | | | | | 150 | ≤50 |
| Endosulfan sulfate | | | | | | | 150 | ≤50 |
| Endrin | 47.9 | 50.5 | 5.3 | 66.0 | | | 150 | ≤50 |
| Endrin Aldehyde | 33.7 | 34.7 | 2.9 | 93.0 | | | 150 | ≤50 |
| Heptachlor Epoxide | 70.0 | 74.0 | 5.6 | 80.0 | | | 150 | ≤50 |
| Methoxychlor | | | | | | | 150 | ≤50 |
| Chlordane | | | | | | | 150 | ≤50 |
| Toxaphene | 65.0 | 67.5 | 3.8 | 91.0 | | | 150 | ≤50 |
| Alpha Chlordane | 62.5 | 66.5 | 6.2 | 90.5 | | | 150 | ≤50 |
| Gamma Chlordane | | | | | | | 150 | ≤50 |
| Congeners | | | | | | | | |
| PCB 18 | 48.7 | 58.8 | 18.8 | 90.0 | 88.0 | 2.2 | 150 | ≤50 |
| PCB 31 | 56.2 | 68.8 | 20.2 | 85.0 | 79.0 | 7.3 | 150 | ≤50 |
| PCB 44 | 55.5 | 63.0 | 12.7 | 93.0 | 91.5 | 1.6 | 150 | ≤50 |
| PCB 49 | 57.7 | 54.2 | 6.3 | 91.5 | 89.5 | 2.2 | 150 | ≤50 |
| PCB 52 | 55.8 | 57.6 | 3.2 | 80.5 | 79.0 | 1.9 | 150 | ≤50 |
| PCB 77 | 83.0 | 80.3 | 3.3 | 114 | 105 | 8.3 | 150 | ≤50 |
| PCB 87 | 88.3 | 96.1 | 8.5 | 118 | 116 | 1.3 | 150 | ≤50 |
| PCB 105 | 74.3 | 72.4 | 2.6 | 96.0 | 95.5 | 0.5 | 150 | ≤50 |
| PCB 114 | 70.6 | 66.1 | 6.6 | 93.0 | 92.5 | 0.5 | 150 | ≤50 |
| PCB 118 | 71.7 | 78.5 | 9.1 | 101 | 101 | 0.0 | 150 | ≤50 |
| PCB 121 | 77.0 | 80.3 | 4.2 | 107 | 107 | 0.0 | 150 | ≤50 |
| PCB 128 | 83.8 | 71.5 | 15.8 | 93.0 | 91.0 | 2.2 | 150 | ≤50 |
| PCB 138 | 37.0 | 74.5 | 67.3 | 100 | 99.0 | 1.0 | 150 | ≤50 |
| PCB 141 | | | | 95.0 | 93.0 | 2.1 | 150 | ≤50 |
| PCB 151 | 64.9 | 69.4 | 6.7 | 91.5 | 90.5 | 1.1 | 150 | ≤50 |
| PCB 183 | 72.8 | 70.0 | 3.9 | 94.0 | 92.0 | 2.2 | 150 | ≤50 |
| PCB 187 | | | | 93.5 | 92.0 | 1.6 | 150 | ≤50 |
| PCB 195 | 66.0 | 61.5 | 7.1 | 87.0 | 86.0 | 1.2 | 150 | ≤50 |
| PCB 206 | 61.5 | 54.5 | 12.1 | 82.0 | 81.0 | 1.2 | 150 | ≤50 |

Results based on wet weights.

Eighteenmile Creek AOC - Tissue Quality Control and Matrix Spike Recovery (%) Summary

TABLE 4

| Metals | EBU-2 Duplicate* | | RPD | Result | EBU-2 Duplicate** | RPD | MS ¹ | EBU-2 MS ² | LCS 1 | LCS 2 | Recovery Limits | | |
|----------------------|------------------|--------------|------|--------|-------------------|------|-----------------|-----------------------|-------|-------|-----------------|-----|-----|
| | Result | Duplicate* | | | | | | | | | High | Low | RPD |
| Antimony | 0.091 | <0.025 | 114 | 0.091 | 0.081 | 11.2 | 7.44 | 98.3 | 103 | 107 | 75 | 125 | ≤25 |
| Arsenic | 1.31 | 1.07 | 25.7 | 1.31 | 1.29 | 1.0 | 5.23 | 97.3 | 100 | 99.9 | 75 | 125 | ≤25 |
| Barium | 63.6 | 16.5 | 128 | 63.6 | 61.4 | 3.0 | | 90.4 | 102 | 102 | 75 | 125 | ≤25 |
| Beryllium | 0.05 | 0.06 | 9.4 | 0.054 | 0.050 | 7.3 | 75.0 | 102 | 98.4 | 98.0 | 75 | 125 | ≤25 |
| Cadmium | 0.313 | 0.336 | 11.7 | 0.313 | 0.308 | 1.7 | 81.0 | 92.4 | 97.0 | 97.8 | 75 | 125 | ≤25 |
| Chromium | 8.07 | 12.3 | 59.4 | 8.07 | 8.26 | 2.4 | 64.3 | 97.8 | 103 | 105 | 75 | 125 | ≤25 |
| Copper | 19.1 | 19.6 | 3.6 | 19.1 | 18.9 | 1.4 | 58.0 | 92.0 | 108 | 109 | 75 | 125 | ≤25 |
| Lead | 20.8 | 8.00 | 215 | 20.8 | 20.4 | 1.9 | | 91.6 | 121 | 109 | 75 | 125 | ≤25 |
| Nickel | 6.92 | 10.5 | 56.2 | 6.92 | 6.72 | 2.8 | 94.9 | 95.8 | 105 | 101 | 75 | 125 | ≤25 |
| Selenium | 0.49 | 4.22 | 14.7 | 0.49 | 0.47 | 3.5 | 74.0 | 96.5 | 92.2 | 89.2 | 75 | 125 | ≤25 |
| Silver | <0.025 | <0.025 | 0.0 | <0.025 | <0.25 | 0.0 | 49.0 | 95.1 | 95.4 | 99.2 | 75 | 125 | ≤25 |
| Sodium | 616 | 494 | 19.9 | 616 | 621 | 0.7 | 101 | 101 | | | 75 | 125 | ≤25 |
| Thallium | 0.034 | 0.047 | 28.4 | 0.03 | 0.03 | 7.0 | 56.5 | 99.7 | 105 | 106 | 75 | 125 | ≤25 |
| Zinc | 96.4 | 134 | 32.3 | 96.4 | 95.7 | 0.7 | 99.2 | 95.8 | 92.2 | 90.6 | 75 | 125 | ≤25 |
| Cobalt | 1.08 | 1.41 | 37.2 | 1.08 | 1.05 | 2.4 | 87.0 | 97.4 | 105 | 105 | 75 | 125 | ≤25 |
| Vanadium | 1.91 | 2.38 | 32.6 | 1.91 | 1.88 | 1.7 | 48.1 | 98.4 | 103 | 106 | 75 | 125 | ≤25 |
| Aluminum | 462 | 507 | 9.3 | 462 | 460 | 0.4 | | | | | 75 | 125 | ≤25 |
| Calcium | 1110 | 1330 | 21.4 | 1110 | 1110 | 0.0 | | 118 | | | 75 | 125 | ≤25 |
| Iron | 1840 | 1610 | 20.6 | 1840 | 1800 | 2.5 | | 94.6 | | | 75 | 125 | ≤25 |
| Magnesium | 377 | 473 | 28.4 | 377 | 375 | 0.5 | | 101 | | | 75 | 125 | ≤25 |
| Manganese | 26.5 | 32.9 | 27.5 | 26.5 | 25.7 | 2.9 | 124 | 93.8 | 111 | 107 | 75 | 125 | ≤25 |
| Potassium | 986 | 786 | 21.0 | 986 | 986 | 0.0 | | 99.0 | | | 75 | 125 | ≤25 |
| Miscellaneous | | EBU-1 | | | | | EBU-1 MS | | | | | | |
| Mercury | 0.0853 | 0.0848 | 0.6 | | | | 116 | | 104 | 106 | 80 | 120 | ≤25 |

Results based on wet weights.

*Pre-digest duplicate

**Post-digest duplicate

MS¹ = Pre-digest spike

MS²=Post-digest spike

APPENDIX D

EIGHTEENMILE CREEK AOC

SEDIMENT REPORTS

CHEMISTRY RESULTS

Eighteenmile Creek AOC - Pesticide Sediment Report

Table 1

Results based on dry weights.

| Lab ID | Field Description | Units | Aldrin | A-BHC | B-BHC | G-BHC | D-BHC | PPDD | Q | PPDDT | Heptachlor | Dieldrin | A-Endosulfan | B-Endosulfan |
|--------|--------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|------------|----------|--------------|--------------|
| 115074 | EMC 1 | ug/kg | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | 3.22 | <2.22 | <2.22 | <1.11 | <2.22 | <1.11 | <2.22 |
| 115075 | EMC 2 | ug/kg | <1.68 | <1.68 | <1.68 | <1.68 | <1.68 | <3.36 | 17.4 | <3.36 | <1.68 | <3.36 | <1.68 | <3.36 |
| 115076 | EMC 3 | ug/kg | <2.44 | <2.44 | <2.44 | <2.44 | <2.44 | <4.87 | 33.3 | <4.87 | <2.44 | <4.87 | <2.44 | <4.87 |
| 115077 | EBU 1 | ug/kg | <1.81 | <1.81 | <1.81 | <1.81 | <1.81 | <3.61 | 16.2 | <3.61 | <1.81 | <3.61 | <1.81 | <3.61 |
| 115078 | EMC 4 | ug/kg | <2.20 | <2.20 | <2.20 | <2.20 | <2.20 | <4.40 | 27.9 | <4.40 | <2.20 | <4.40 | <2.20 | <4.40 |
| 115078 | EMC 4 MS | ug/kg | 4.91 | 6.16 | 13.4 | 9.89 | 6.62 | 15.3 | | 11.7 | 14.6 | 10 | | |
| 115078 | EMC 4 MS spk amt | ug/kg | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | | 17.5 | 17.5 | 17.5 | | |
| 115078 | EMC 4 MS % REC | ug/kg | 28.1 | 35.2 | 76.6 | 56.5 | 37.8 | 87.4 | | 66.9 | 83.4 | 57.1 | | |
| 115078 | EMC 4 MSD | ug/kg | 4.82 | 6.47 | 11.7 | 9.86 | 6.66 | 12.9 | | 11.5 | 13.4 | 10.3 | | |
| 115078 | EMC 4 MSD spk amt | ug/kg | 17.45 | 17.45 | 17.45 | 17.45 | 17.45 | 17.45 | | 17.45 | 17.45 | 17.45 | | |
| 115078 | EMC 4 MSD % REC | ug/kg | 27.6 | 37.1 | 67.0 | 56.5 | 38.2 | 73.9 | | 65.9 | 76.8 | 59.0 | | |
| 115078 | EMC 4 MSD %REC RPD | ug/kg | 1.6 | 5.2 | 13.3 | 0.0 | 0.9 | 16.7 | | 1.4 | 8.3 | 3.2 | | |
| 115079 | EMC 5 | ug/kg | <1.99 | <1.99 | <1.99 | <1.99 | <1.99 | <3.97 | 25.8 | <3.97 | <1.99 | <3.97 | <1.99 | <3.97 |
| 115080 | EMC 6 | ug/kg | <1.59 | <1.59 | <1.59 | <1.59 | <1.59 | <3.18 | 16.3 | <3.18 | <1.59 | <3.18 | <1.59 | <3.18 |
| 115081 | EBU 2 | ug/kg | <1.91 | <1.91 | <1.91 | <1.91 | <1.91 | <3.83 | 22.5 | <3.83 | <1.91 | <3.83 | <1.91 | <3.83 |
| 115082 | EMC 7 | ug/kg | <1.85 | <1.85 | <1.85 | <1.85 | <1.85 | <3.71 | 6.75 | <3.71 | <1.85 | <3.71 | <1.85 | <3.71 |
| 115083 | EMC 8 | ug/kg | <1.68 | <1.68 | <1.68 | <1.68 | <1.68 | <3.36 | 29.2 | <3.36 | <1.68 | <3.36 | <1.68 | <3.36 |
| 115084 | EMC 9 | ug/kg | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <3.39 | 20 | <3.39 | <1.69 | <3.39 | <1.69 | <3.39 |
| 115085 | EBU 3 | ug/kg | <1.82 | <1.82 | <1.82 | <1.82 | <1.82 | <3.64 | 14.1 | <3.64 | <1.82 | <3.64 | <1.82 | <3.64 |
| 115086 | EMC 10 | ug/kg | <1.52 | <1.52 | <1.52 | <1.52 | <1.52 | <3.03 | 11 | <3.03 | <1.52 | <3.03 | <1.52 | <3.03 |
| 115087 | EMC 11 | ug/kg | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | <2.76 | 9.75 | <2.76 | <1.38 | <2.76 | <1.38 | <2.76 |
| 115088 | EMC 12 | ug/kg | <2.44 | <2.44 | <2.44 | <2.44 | <2.44 | 13.7 | 37.3 | <4.88 | <2.44 | <4.88 | <2.44 | <4.88 |
| 115089 | EBU 4 | ug/kg | <1.76 | <1.76 | <1.76 | <1.76 | <1.76 | 10.7 | 22.7 | <3.52 | <1.76 | <3.52 | <1.76 | <3.52 |
| 115090 | EMC 13 | ug/kg | <1.62 | <1.62 | <1.62 | <1.62 | <1.62 | <3.24 | 3.24 | <3.24 | <1.62 | <3.24 | <1.62 | <3.24 |
| 115091 | EMC 14 | ug/kg | <1.21 | <1.21 | <1.21 | <1.21 | <1.21 | <2.42 | 6.65 | <2.42 | <1.21 | <2.42 | <1.21 | <2.42 |
| 115092 | EMC 15 | ug/kg | <1.75 | <1.75 | <1.75 | <1.75 | <1.75 | 10.4 | 16.2 | <3.50 | <1.75 | <3.50 | <1.75 | <3.50 |
| 115093 | EBU 5 | ug/kg | <1.32 | <1.32 | <1.32 | <1.32 | <1.32 | <2.63 | 4.07 | <2.63 | <1.32 | <2.63 | <1.32 | <2.63 |
| BL#01 | METHOD BLANK 01 | ug/kg | <0.83 | <0.83 | <0.83 | <0.83 | <0.83 | <1.67 | # | <1.67 | <0.83 | <1.67 | <0.83 | <1.67 |
| BL#02 | LCS 01 | ug/kg | 6.44 | 5.73 | 5.42 | 6.22 | 6.36 | 6.18 | 6.1 | 6.04 | 6.04 | 5.67 | N/A | N/A |
| | LCS 01 spk amt | ug/kg | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | | |
| | LCS 01 % REC | ug/kg | 96.6 | 85.9 | 81.3 | 93.3 | 95.4 | 92.7 | 91.5 | 90.6 | 90.6 | 85.0 | | |
| BL#03 | METHOD BLANK 02 | ug/kg | <0.83 | <0.83 | <0.83 | <0.83 | <0.83 | <1.67 | <1.67 | <1.67 | <0.83 | <1.67 | <0.83 | <1.67 |
| BL#04 | LCS 02 | ug/kg | 5.22 | 4.51 | 6.56 | 4.92 | 7.4 | 6.07 | 6.28 | 6.23 | 6.25 | 5.82 | N/A | N/A |
| | LCS 02 spk amt | ug/kg | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | | |
| | LCS 02 % REC | ug/kg | 78.3 | 67.6 | 98.4 | 73.8 | 110.9 | 91.0 | 94.2 | 93.4 | 93.7 | 87.3 | | |
| BL#05 | LCS DUP 02 | ug/kg | 5.35 | 4.83 | 6.86 | 5.34 | 7.88 | 6.43 | 5.98 | 6.67 | 6.4 | 5.94 | N/A | N/A |
| | LCS DUP 02 spk amt | ug/kg | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | | |
| | LCS DUP 02 % REC | ug/kg | 80.2 | 72.4 | 102.8 | 80.1 | 118.1 | 96.4 | 89.7 | 97.8 | 96.0 | 89.1 | | |
| | LCS 02 % REC RPD | ug/kg | 2.5 | 6.9 | 4.5 | 8.2 | 6.3 | 5.8 | 4.9 | 4.5 | 2.4 | 2.0 | | |

Notes:

█ = BRL
█ = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

= Data qualified due to >40% difference between results on primary and secondary columns.

Eighteenmile Creek AOC - Pesticide Sediment Report

Table 1

Results based on dry weights.

| Lab ID | Field Description | Units | Endosulfan sulfate | Endrin Alderhyde | Endrin | Heptachlor Epoxide | Methoxychlor | Chlordane | Toxaphene | TcXYL-S | DCLBP |
|--------|---------------------|-------|--------------------|------------------|--------|--------------------|--------------|-----------|-----------|---------|--------|
| 115074 | EMC 1 | ug/kg | <2.22 | <2.22 | <2.22 | <1.11 | <11.1 | <11.1 | <22.2 | 86.8% | 70.5% |
| 115075 | EMC 2 | ug/kg | <3.36 | <3.36 | <3.36 | <1.68 | <16.8 | <16.8 | <33.6 | 86.8% | 72.0% |
| 115076 | EMC 3 | ug/kg | <4.87 | <4.87 | <4.87 | <2.44 | <24.4 | <24.4 | <48.8 | 81.0% | 75.6% |
| 115077 | EBU 1 | ug/kg | <3.61 | <3.61 | <3.61 | <1.81 | <18.1 | <18.1 | <36.2 | 85.9% | 71.0% |
| 115078 | EMC 4 | ug/kg | <4.40 | <4.40 | <4.40 | <2.20 | <22.0 | <22.0 | <44.4 | 80.7% | 77.0% |
| 115078 | EMC 4 MS | ug/kg | 7.61 | 7.61 | 7.61 | 7.19 | 16.9 | | | | |
| 115078 | EMC 4 MS spk amt | ug/kg | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | | | | |
| 115078 | EMC 4 MS % REC | ug/kg | 43.5 | 43.8 | 43.8 | 41.1 | 96.6 | | | 42.9% | 56.5% |
| 115078 | EMC 4 MSD | ug/kg | 7.61 | 6.25 | 7.09 | 7.09 | 17.8 | | | | |
| 115078 | EMC 4 MSD spk amt | ug/kg | 17.45 | 17.45 | 17.45 | 17.45 | 17.45 | | | | |
| 115078 | EMC 4 MSD % REC | ug/kg | 43.6 | 35.8 | 40.6 | 40.6 | 102.0 | | | 46.6% | 54.7% |
| 115078 | EMC 4 MSD % REC RPD | | 0.3 | 20.1 | 1.1 | 1.1 | 5.5 | | | | |
| 115079 | EMC 5 | ug/kg | <3.97 | <3.97 | <3.97 | <1.99 | <19.9 | <19.9 | <39.8 | 81.0% | 76.4% |
| 115080 | EMC 6 | ug/kg | <3.18 | <3.18 | <3.18 | <1.59 | <15.9 | <15.9 | <31.8 | 66.7% | 68.5% |
| 115081 | EBU 2 | ug/kg | <3.83 | <3.83 | <3.83 | <1.91 | <19.1 | <19.1 | <38.2 | 71.6% | 72.5% |
| 115082 | EMC 7 | ug/kg | <3.71 | <3.71 | <3.71 | <1.85 | <18.5 | <18.5 | <37.0 | 75.9% | 67.8% |
| 115083 | EMC 8 | ug/kg | <3.36 | <3.36 | <3.36 | <1.68 | <16.8 | <16.8 | <33.6 | 75.4% | 102.0% |
| 115084 | EMC 9 | ug/kg | 4.12 | <3.39 | <3.39 | <1.69 | <16.9 | <16.9 | <33.8 | 79.0% | 77.1% |
| 115085 | EBU 3 | ug/kg | <3.64 | <3.64 | <3.64 | <1.82 | <18.2 | <18.2 | <36.4 | 72.3% | 91.8% |
| 115086 | EMC 10 | ug/kg | 2.64 | <3.03 | <3.03 | <1.52 | <15.2 | <15.2 | <30.4 | 73.1% | 76.2% |
| 115087 | EMC 11 | ug/kg | 2.46 | <2.76 | <2.76 | <1.38 | <13.8 | <13.8 | <27.6 | 75.0% | 76.2% |
| 115088 | EMC 12 | ug/kg | <4.88 | <4.88 | <4.88 | <2.44 | <24.4 | <24.4 | <48.8 | 77.9% | 79.0% |
| 115089 | EBU 4 | ug/kg | 3.65 | <3.52 | <3.52 | <1.76 | <17.6 | <17.6 | <35.2 | 78.6% | 77.6% |
| 115090 | EMC 13 | ug/kg | <3.24 | <3.24 | <3.24 | <1.62 | <16.2 | <16.2 | <32.4 | 79.7% | 76.8% |
| 115091 | EMC 14 | ug/kg | <2.42 | <2.42 | <2.42 | <1.21 | <12.1 | <12.1 | <24.2 | 74.9% | 78.4% |
| 115092 | EMC 15 | ug/kg | 2.86 | <3.50 | <3.50 | <1.75 | <17.5 | <17.5 | <35.0 | 74.5% | 77.9% |
| 115093 | EBU 5 | ug/kg | <2.63 | <2.63 | <2.63 | <1.32 | <13.2 | <13.2 | <26.4 | 82.5% | 71.9% |
| BL#01 | METHOD BLANK 01 | ug/kg | <1.67 | <1.67 | <1.67 | <0.83 | <8.3 | <8.3 | <16.6 | 98.4% | 71.0% |
| BL#02 | LCS 01 | ug/kg | 8.19 | N/A | 5.35 | 6.33 | 7.05 | N/A | N/A | 92.8% | 72.6% |
| | LCS 01 spk amt | ug/kg | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | | | | |
| | LCS 01 % REC | ug/kg | 122.8 | 80.2 | 94.9 | 105.7 | 105.7 | | | | |
| BL#03 | METHOD BLANK 02 | ug/kg | <1.67 | <1.67 | <0.83 | <8.3 | <8.3 | <8.3 | <16.6 | 95.7% | 88.1% |
| BL#04 | LCS 02 | ug/kg | 5.79 | N/A | 5.7 | 5.92 | 6.72 | N/A | N/A | 79.3% | 80.1% |
| | LCS 02 spk amt | ug/kg | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | | | | |
| | LCS 02 % REC | ug/kg | 86.8 | 85.5 | 88.8 | 100.7 | 100.7 | | | | |
| BL#05 | LCS DUP 02 | ug/kg | 6.5 | N/A | 5.83 | 5.97 | 7.01 | N/A | N/A | 82.20% | 82.10% |
| | LCS DUP 02 spk amt | ug/kg | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | | | | |
| | LCS DUP 02 % REC | ug/kg | 97.5 | 87.4 | 89.5 | 105.1 | 105.1 | | | | |
| | LCS 02 % REC RPD | | 11.6 | 2.3 | 0.8 | 4.2 | 4.2 | | | | |

Notes:
█ = BRL
█ = J Value

BRL = Below Reporting Limit
 J Value = Below reporting limit but above detection limit.
 # = Data qualified due to >40% difference between results on primary and secondary columns.

Job Description: 18 MILE CREEK BUFFALO - MELFI / KARN

Job File Number: 115074-82

ECB Quality Assurance Corrective Action Form

Analysis: Pesticides

Date: 14-October-03

Analyst: A. Morrow

Instrument: 6890

Problem: **(1) Low Aldrin,D-BHC, and A-BHC, recoveries in 115078 matrix spike and matrix spike duplicate (MS/MSD).**
(2) Low recovery for DDE in MS/MSD at 0% and 13 %.

Sample Number(s) Affected: **(1 & 2) 115078 Matrix Spike/Matrix Spike Duplicate**

Recommended Corrective Action: **None was taken because all the other analytes were within limits. The recoveries for the laboratory control sample (LCS) were within lab quality control limits also.**

Corrective Action Taken By Analyst: **(1) Reported the data. This appears to be a matrix effect since the LCS recoveries were within limits.**
(2) The spike amount was lower than the reported value, which resulted in sporadic recoveries for DDE. Repeating the extraction would be expected to have the same results.

Comments:

Date Corrective Action Taken: 14-October-03

Reviewed by: _____

Eighteenmile Creek AOC - PCB Sediment Report

Table 2

Results based on dry weights.

| Lab ID | Field Description | Units | PCB-1016 | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 | TcIXYL-S | DCLBP |
|--------|----------------------|-------|-----------|----------|----------|----------|----------|----------|-----------|----------|--------|
| 115018 | EMC 4 QA | ug/kg | <20.4 | <20.4 | <20.4 | <20.4 | 718 | <20.4 | <20.4 | 75.90% | 102% |
| 115018 | EMC 4 QA MS | ug/kg | 339 | | | | | | 214 | | |
| 115018 | EMC 4 QA MS spk amt | ug/kg | 161.1 | | | | | | 101.5 | 71.10% | 107% |
| 115018 | EMC 4 QA MS % REC | ug/kg | 336 | | | | | | 211 | | |
| 115018 | EMC 4 QA MSD | ug/kg | 164.5 | | | | | | 103.5 | 72.10% | 107% |
| 115018 | EMC 4 QA MSD spk amt | ug/kg | 2.0884521 | | | | | | 1.9512195 | | |
| 115018 | EMC 4 QA MSD % REC | ug/kg | <8.33 | <8.33 | <8.33 | <8.33 | <8.33 | <8.33 | <8.33 | 88.20% | 98.60% |
| BL#01 | METHOD BLANK 01 | ug/kg | 84.6 | N/A | N/A | N/A | N/A | N/A | 90.7 | 91.50% | 100% |
| BL#02 | LCS 01 | | | | | | | | | | |
| | LCS 01 spk amt | | 101.4 | | | | | | 108.8 | 93.6 | 98.8 |
| | LCS 01 % REC | | 84.8 | | | | | | 84.6 | | |
| | LCS 01 LCSD | | | | | | | | | | |
| | LCS 01 LCSD spk amt | | 101.8 | | | | | | 101.5 | | |
| | LCS 01 LCSD % REC | | 0.3937008 | | | | | | 6.9424631 | | |
| | LCS 01 LCSD RPD | | | | | | | | | | |

Notes:

 = BRL

BRL = Below Reporting Limit

Job Description: 18 MILE CREEK BUFFALO - MELFI/KARN Job File Number: 115018

ECB Quality Assurance Corrective Action Form

Analysis: PCB Date: 20-October-03
Analyst: A. Morrow Instrument: 6890 GC

Problem: **PCB 1016 spike recoveries were 161% for the matrix spike and 164% for the matrix spike duplicate.**

Sample Number(s) Affected: **115018**

Recommended Corrective Action: **Check the samples for interfering peaks or instrument intergration errors.**

Corrective Action Taken By Analyst: **The sample had interfering peaks. The values were reported, since the sample duplicated it appears to be a matrix effect. Repeating the sample extraction will result in similar values.**

Comments: **The recoveries for PCB 1260 were 102% and 104% which are within quality control limits. The values for the laboratory control sample (LCS/LCSD) were within quality control limits for PCB 1016 and PCB 1260.**

Date Corrective Action Taken: 20-October-03
Reviewed by: _____

Eighteenmile Creek AOC - PCB Congener Sediment Report

Table 3

Results based on dry weights.

| Lab ID | Field Description | Units | PCB 15 | PCB 18 | PCB 31 | Q | PCB 40 | Q | PCB 44 | Q | PCB 49 | PCB 52 | PCB 54 | PCB 60 | Q | PCB 77 | Q | PCB 86 |
|--------|----------------------|-------|--------|--------|--------|---|--------|---|--------|---|--------|--------|--------|--------|---|--------|---|--------|
| 114792 | EMC 1 | ug/kg | NR | 1.94 | 3.13 | C | 0.62 | C | 2.92 | C | 3.91 | 5.86 | <0.90 | 0.34 | C | 0.35 | C | NR |
| 114793 | EMC 2 | ug/kg | NR | 3.01 | 4.77 | C | 1 | C | 4.89 | C | 6.66 | 9.26 | <1.34 | 0.55 | C | 0.49 | C | NR |
| 114794 | EMC 3 | ug/kg | NR | 20.3 | 34.2 | C | 9.37 | C | 40.2 | C | 47.9 | 69.7 | <1.96 | 5.21 | C | 2.61 | C | NR |
| 114795 | EBU 1 | ug/kg | NR | 14.1 | 22.8 | C | 5.67 | C | 25.5 | C | 32.4 | 45 | <1.44 | 3.57 | C | 1.62 | C | NR |
| 114796 | EMC 4 | ug/kg | NR | 23.2 | 31.8 | C | 9.56 | C | 34.1 | C | 38.1 | 50.5 | <1.76 | 1.57 | C | 2.12 | C | NR |
| 114797 | EMC 4 QA | ug/kg | NR | 31.7 | 45.7 | C | 11.1 | C | 47.6 | C | 54.2 | 71.4 | <1.68 | 3.77 | C | 2.22 | C | NR |
| 114797 | EMC 4 MD RPD | ug/kg | | 7.7 | 9.0 | | 3.7 | | 8.3 | | 8.7 | 8.6 | | 20.6 | | 1.2 | | |
| 114797 | EMC 4 QA MS | ug/kg | | | | | | | | | | | | | | 13.7 | | |
| 114797 | EMC 4 QA MS spk amt | ug/kg | | | | | | | | | | | | | | 16.9 | | |
| 114797 | EMC 4 QA MS % REC | ug/kg | | | | | | | | | | | | | | 68.0 | | |
| 114797 | EMC 4 QA MSD | ug/kg | | | | | | | | | | | | | | 12.9 | | |
| 114797 | EMC 4 QA MSD spk amt | ug/kg | | | | | | | | | | | | | | 16.9 | | |
| 114797 | EMC 4 QA MSD % REC | ug/kg | | | | | | | | | | | | | | 63.3 | | |
| 114797 | EMC 4 MSD RPD | ug/kg | | | | | | | | | | | | | | 1.8 | | |
| 114798 | EMC 5 | ug/kg | NR | 17.2 | 25.5 | C | 5.99 | C | 26.4 | C | 32.6 | 44.2 | <1.60 | 2.26 | C | 2.08 | C | NR |
| 114799 | EMC 6 | ug/kg | NR | 12.9 | 20.8 | C | 4.48 | C | 20 | C | 24.7 | 33 | <1.28 | 2.1 | C | 1.46 | C | NR |
| 114800 | EBU 2 | ug/kg | NR | 15.3 | 21.9 | C | 5.47 | C | 24.2 | C | 29 | 39 | <1.54 | 2.04 | C | 1.82 | C | NR |
| 114801 | EMC 7 | ug/kg | NR | 4.29 | 6.44 | C | 1.57 | C | 7.29 | C | 9.67 | 13.3 | <1.48 | 1.01 | C | 0.63 | C | NR |
| 114802 | EMC 8 | ug/kg | NR | 41.5 | 58.8 | C | 11.3 | C | 51.4 | C | 51.4 | 68.5 | <1.34 | 3.81 | C | 3.32 | C | NR |
| 114803 | EMC 9 | ug/kg | NR | 10.8 | 21.3 | C | 4.34 | C | 20.2 | C | 26.1 | 36.8 | <1.36 | 2.65 | C | 1.59 | C | NR |
| 114804 | EBU 3 | ug/kg | NR | 24 | 34.2 | C | 6.92 | C | 30.6 | C | 33.4 | 45.6 | <1.46 | 2.09 | C | 2.78 | C | NR |
| 114805 | EMC 10 | ug/kg | NR | 15.1 | 27.1 | C | 5.59 | C | 24.8 | C | 30.6 | 42.3 | <1.22 | 3.16 | C | 2.24 | C | NR |
| 114806 | EMC 11 | ug/kg | NR | 7.68 | 14.2 | C | 3.13 | C | 13.9 | C | 18 | 24.8 | <1.10 | 2.36 | C | 1.09 | C | NR |
| 114807 | EMC 12 | ug/kg | NR | 32.3 | 65 | C | 14.3 | C | 59.2 | C | 72.7 | 100 | <1.94 | 8.13 | C | 4.2 | C | NR |
| 114808 | EBU 4 | ug/kg | NR | 16.5 | 34.2 | C | 7.1 | C | 32.5 | C | 38.9 | 55.5 | <1.40 | 3.81 | C | 1.78 | C | NR |
| 114809 | EMC 13 | ug/kg | NR | 2.63 | 5.1 | C | 0.78 | C | 4.27 | C | 5.11 | 8.9 | <1.30 | 0.45 | C | 0.51 | C | NR |
| 114810 | EMC 14 | ug/kg | NR | 2.75 | 6.09 | C | 1.27 | C | 5.96 | C | 7.34 | 12.7 | <0.96 | 1.82 | C | 0.53 | C | NR |
| 114811 | EMC 15 | ug/kg | NR | 10.2 | 16.5 | C | 4.32 | C | 16.7 | C | 19 | 30.3 | <1.40 | 1.38 | C | 1.03 | C | NR |
| 114812 | EBU 5 | ug/kg | NR | 2.46 | 5.84 | C | 0.95 | C | 4.82 | C | 5.85 | 10.2 | <1.06 | 1.03 | C | 0.49 | C | NR |
| BL#01 | METHOD BLANK 01 | ug/kg | <0.66 | <0.66 | <0.66 | | <0.66 | | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | | <0.66 |
| BL#02 | LCS 01 | ug/kg | N/A | 5.94 | 4.94 | | N/A | | 5.14 | | 5.09 | 5.45 | N/A | N/A | | 5.6 | | N/A |
| | LCS 01 spk amt | ug/kg | | 6.67 | 6.67 | | | | 6.67 | | 6.67 | 6.67 | | | | 6.67 | | |
| | LCS 01 % REC | ug/kg | | 89.1 | 74.1 | | | | 77.1 | | 76.3 | 81.7 | | | | 84.0 | | |
| BL#03 | METHOD BLANK 02 | ug/kg | <0.66 | <0.66 | <0.66 | | <0.66 | | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | | <0.66 |
| BL#04 | LCS 02 | ug/kg | N/A | 6.28 | 6.16 | | N/A | | 5.71 | | 5.66 | 6.08 | N/A | N/A | | 5.61 | | N/A |
| | LCS 02 spk amt | ug/kg | | 6.67 | 6.67 | | | | 6.67 | | 6.67 | 6.67 | | | | 6.67 | | |
| | LCS 02 % REC | ug/kg | | 94.2 | 92.4 | | | | 85.6 | | 84.9 | 91.2 | | | | 84.1 | | |
| | LCS 02 LCSD | ug/kg | | 5.53 | 5.26 | | | | 5.06 | | 5.02 | 5.41 | | | | 4.84 | | |
| | LCS 02 spk amt | ug/kg | | 6.67 | 6.67 | | | | 6.67 | | 6.67 | 6.67 | | | | 6.67 | | |
| | LCS 02 LCSD % REC | ug/kg | | 82.9 | 78.9 | | | | 75.9 | | 75.3 | 81.1 | | | | 72.6 | | |
| | LCS 02 LCSD RPD | ug/kg | | 12.7 | 15.8 | | | | 12.1 | | 12.0 | 11.7 | | | | 14.7 | | |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

C = Data confirmed based upon retention time but reported from one column only due to coelution.

= Data qualified due to >40% difference between results on primary and secondary columns.


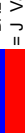
Eighteenmile Creek AOC - PCB Congener Sediment Report

Table 3

Results based on dry weights.

| Lab ID | Field Description | Units | PCB 87 | PCB 97 | PCB 101 | PCB 103 | PCB 103 | PCB 105 | Q | PCB 114 | PCB 118 | Q | PCB 121 | PCB 128 | PCB 129 | Q |
|--------|----------------------|-------|--------|--------|---------|---------|---------|---------|---|---------|---------|---|---------|---------|---------|---|
| 114792 | EMC 1 | ug/kg | NR | NR | 2.4 | <0.90 | <0.90 | 0.77 | C | 0.45 | 2.28 | | <0.90 | <0.90 | <0.90 | |
| 114793 | EMC 2 | ug/kg | NR | NR | 3.86 | <1.34 | <1.34 | 1.28 | C | 0.82 | 3.88 | | <1.34 | 0.49 | <1.34 | |
| 114794 | EMC 3 | ug/kg | NR | NR | 24.6 | <1.96 | <1.96 | 9.64 | C | <1.96 | 21 | | <1.96 | 3.15 | 0.97 | C |
| 114795 | EBU 1 | ug/kg | NR | NR | 15.4 | <1.44 | <1.44 | 5.74 | C | <1.44 | 12.6 | | <1.44 | 1.71 | <1.44 | |
| 114796 | EMC 4 | ug/kg | NR | NR | 19.7 | <1.76 | <1.76 | 5.12 | C | <1.76 | 15 | | <1.76 | 2 | 0.9 | C |
| 114797 | EMC 4 QA | ug/kg | NR | NR | 20.1 | <1.68 | <1.68 | 4.72 | C | <1.68 | 15.3 | | <1.68 | 2.3 | <1.68 | |
| 114797 | EMC 4 MDRPD | | | | 0.5 | | | 2.0 | | | 0.5 | | | 3.5 | | |
| 114797 | EMC 4 QA MS | ug/kg | | | 18.9 | | | 15.2 | | 15.2 | 27.5 | | 13.6 | 15.7 | | |
| 114797 | EMC 4 QA MS spk amt | ug/kg | | | 16.9 | | | 16.9 | | 16.9 | 16.9 | | 16.9 | 16.9 | | |
| 114797 | EMC 4 QA MS % REC | ug/kg | | | 84.0 | | | 89.9 | | 89.9 | 72.2 | | 80.5 | 79.3 | | |
| 114797 | EMC 4 QA MSD | ug/kg | | | 17.9 | | | 16.6 | | 16.6 | 26.3 | | 13.7 | 16 | | |
| 114797 | EMC 4 QA MSD spk amt | ug/kg | | | 16.9 | | | 16.9 | | 16.9 | 16.9 | | 16.9 | 16.9 | | |
| 114797 | EMC 4 QA MSD % REC | ug/kg | | | 78.1 | | | 98.2 | | 98.2 | 65.1 | | 81.1 | 81.1 | | |
| 114797 | EMC 4 MSD RPD | | | | 1.8 | | | 2.2 | | 2.2 | 2.6 | | 0.2 | 0.6 | | |
| 114798 | EMC 5 | ug/kg | NR | NR | 20.9 | <1.60 | <1.60 | 7.3 | C | <1.60 | 15.1 | | <1.60 | <1.60 | 0.6 | C |
| 114799 | EMC 6 | ug/kg | NR | NR | 13.5 | <1.28 | <1.28 | 4.35 | C | <1.28 | 10.8 | | <1.28 | 1.45 | 0.43 | C |
| 114800 | EBU 2 | ug/kg | NR | NR | 17 | <1.54 | <1.54 | 4.97 | C | <1.54 | 12.8 | | <1.54 | 1.82 | <1.54 | |
| 114801 | EMC 7 | ug/kg | NR | NR | 5.87 | <1.48 | <1.48 | 1.91 | C | <1.48 | 4.91 | # | <1.48 | 0.81 | <1.48 | |
| 114802 | EMC 8 | ug/kg | NR | NR | 28.6 | <1.34 | <1.34 | 6.82 | C | <1.34 | 22.3 | | <1.34 | 3.49 | 0.65 | C |
| 114803 | EMC 9 | ug/kg | NR | NR | 14.4 | <1.36 | <1.36 | 5.49 | C | <1.36 | 12 | | <1.36 | 1.88 | <1.36 | |
| 114804 | EBU 3 | ug/kg | NR | NR | 19.4 | <1.46 | <1.46 | 5.61 | C | <1.46 | 16 | | <1.46 | 2.28 | <1.46 | |
| 114805 | EMC 10 | ug/kg | NR | NR | 11.7 | <1.22 | <1.22 | 3.42 | C | <1.22 | 9.25 | | <1.22 | 1.47 | 0.86 | C |
| 114806 | EMC 11 | ug/kg | NR | NR | 10.4 | <1.10 | <1.10 | 3.69 | C | <1.10 | 8.14 | | <1.10 | 1.27 | <1.10 | |
| 114807 | EMC 12 | ug/kg | NR | NR | 30.2 | <1.94 | <1.94 | 10.6 | C | <1.94 | 23.1 | | <1.94 | 3.96 | 0.9 | C |
| 114808 | EBU 4 | ug/kg | NR | NR | 16.5 | <1.40 | <1.40 | 6.17 | C | <1.40 | 13.4 | | <1.40 | 1.97 | <1.40 | |
| 114809 | EMC 13 | ug/kg | NR | NR | 2.9 | <1.30 | <1.30 | 1.14 | C | <1.30 | 2.05 | | <1.30 | <1.30 | <1.30 | |
| 114810 | EMC 14 | ug/kg | NR | NR | 7.59 | <0.96 | <0.96 | 3.1 | C | 0.35 | 6.54 | | <0.96 | 1.18 | <0.96 | |
| 114811 | EMC 15 | ug/kg | NR | NR | 13.4 | <1.40 | <1.40 | 3.16 | C | <1.40 | 9.97 | | <1.40 | 2.04 | <1.40 | |
| 114812 | EBU 5 | ug/kg | NR | NR | 4.38 | <1.06 | <1.06 | 1.6 | C | <1.06 | 3.27 | # | <1.06 | 0.7 | <1.06 | |
| BL#01 | METHOD BLANK 01 | ug/kg | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | <0.66 | | <0.66 | <0.66 | <0.66 | |
| BL#02 | LCS 01 | ug/kg | 6.53 | NR | N/A | N/A | N/A | 5.81 | | 6.02 | 6.38 | | 6.62 | 6.56 | N/A | |
| | LCS 01 spk amt | | 6.67 | | | | | 6.67 | | 6.67 | 6.67 | | 6.67 | 6.67 | | |
| | LCS 01 % REC | | 97.9 | | | | | 87.1 | | 90.3 | 95.7 | | 99.3 | 98.4 | | |
| BL#03 | METHOD BLANK 02 | ug/kg | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | <0.66 | | <0.66 | <0.66 | <0.66 | |
| BL#04 | LCS 02 | ug/kg | 6.53 | N/A | <0.66 | N/A | N/A | 5.27 | | 5.19 | 5.74 | | 5.87 | 6.01 | N/A | |
| | LCS 02 spk amt | | 6.67 | | | | | 6.67 | | 6.67 | 6.67 | | 6.67 | 6.67 | | |
| | LCS 02 % REC | | 97.9 | | | | | 79.0 | | 77.8 | 86.1 | | 88.0 | 90.1 | | |
| | LCS 02 LCSD | | 5.94 | | | | | 4.85 | | 4.72 | 5.24 | | 5.31 | 5.67 | | |
| | LCS 02 spk amt | | 6.67 | | | | | 6.67 | | 6.67 | 6.67 | | 6.67 | 6.67 | | |
| | LCS 02 LCSD % REC | | 89.1 | | | | | 72.7 | | 70.8 | 78.6 | | 79.6 | 85.0 | | |
| | LCS 02 LCSD RPD | | 9.5 | | | | | 8.3 | | 9.5 | 9.1 | | 10.0 | 5.8 | | |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

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
Eighteenmile Creek AOC - PCB Congener Sediment Report

Table 3

Results based on dry weights.

| Lab ID | Field Description | Units | PCB 138 | Q | PCB 141 | Q | PCB 143 | PCB 151 | Q | PCB 153 | PCB 154 | PCB 156 | Q | PCB 159 | PCB 170 | PCB 171 | PCB 173 | Q |
|--------|----------------------|-------|---------|---|---------|-------|---------|---------|-------|---------|---------|---------|---|---------|---------|---------|---------|-------|
| 114792 | EMC 1 | ug/kg | 1.42 | C | <0.90 | <0.90 | <0.90 | <0.90 | NR | <0.90 | <0.90 | NR | C | NR | <0.90 | NR | <0.90 | <0.90 |
| 114793 | EMC 2 | ug/kg | 2.35 | C | <1.34 | <1.34 | <1.34 | <1.34 | NR | <1.34 | <1.34 | NR | C | NR | <1.34 | NR | <1.34 | <1.34 |
| 114794 | EMC 3 | ug/kg | 14.3 | C | <1.96 | <1.96 | <1.96 | <1.96 | NR | <1.96 | <1.96 | 2.05 | C | NR | <1.96 | NR | <1.96 | <1.96 |
| 114795 | EBU 1 | ug/kg | 7.98 | C | <1.44 | <1.44 | <1.44 | <1.44 | NR | <1.44 | <1.44 | 1 | C | NR | <1.44 | NR | <1.44 | <1.44 |
| 114796 | EMC 4 | ug/kg | 9.55 | C | <1.76 | <1.76 | <1.76 | <1.76 | NR | <1.76 | <1.76 | 1.22 | C | NR | <1.76 | NR | <1.76 | <1.76 |
| 114797 | EMC 4 QA | ug/kg | 9.75 | C | 3.67 | <1.68 | <1.68 | <1.68 | NR | <1.68 | <1.68 | 1.31 | C | NR | <1.68 | NR | <1.68 | <1.68 |
| 114797 | EMC 4 MD RPD | | 0.5 | | | | | | | | | 1.8 | | | | | | |
| 114797 | EMC 4 QA MS | ug/kg | 22.5 | | 14.4 | | 15.4 | | | | | | | | 14.6 | | | |
| 114797 | EMC 4 QA MS spk amt | ug/kg | 16.9 | | 63.3 | | 63.3 | | | | | | | | 16.9 | | | |
| 114797 | EMC 4 QA MS % REC | ug/kg | 75.7 | | 63.3 | | 91.1 | | | | | | | | 86.4 | | | |
| 114797 | EMC 4 QA MSD | ug/kg | 21.2 | | 14.4 | | 14.3 | | | | | | | | 14.5 | | | |
| 114797 | EMC 4 QA MSD spk amt | ug/kg | 16.9 | | 63.3 | | 63.3 | | | | | | | | 16.9 | | | |
| 114797 | EMC 4 QA MSD % REC | ug/kg | 67.5 | | 63.3 | | 84.6 | | | | | | | | 85.8 | | | |
| 114797 | EMC 4 MSD RPD | | 2.9 | | 0.0 | | 1.8 | | | | | | | | 0.2 | | | |
| 114798 | EMC 5 | ug/kg | 14.6 | C | <1.60 | <1.60 | <1.60 | <1.60 | NR | <1.60 | <1.60 | 1.32 | C | NR | <1.60 | NR | <1.60 | <1.60 |
| 114799 | EMC 6 | ug/kg | 7.16 | C | <1.28 | <1.28 | <1.28 | <1.28 | NR | <1.28 | <1.28 | 0.84 | C | NR | <1.28 | NR | <1.28 | <1.28 |
| 114800 | EBU 2 | ug/kg | 8.56 | C | <1.54 | <1.54 | <1.54 | <1.54 | NR | <1.54 | <1.54 | 0.97 | C | NR | <1.54 | NR | <1.54 | <1.54 |
| 114801 | EMC 7 | ug/kg | 3.21 | C | <1.48 | <1.48 | <1.48 | <1.48 | NR | <1.48 | <1.48 | NR | C | NR | <1.48 | NR | <1.48 | <1.48 |
| 114802 | EMC 8 | ug/kg | 14.7 | C | 5.08 | <1.34 | <1.34 | <1.34 | NR | <1.34 | <1.34 | 2.29 | C | NR | <1.34 | NR | <1.34 | <1.34 |
| 114803 | EMC 9 | ug/kg | 7.33 | C | <1.36 | <1.36 | <1.36 | <1.36 | NR | <1.36 | <1.36 | <1.36 | C | NR | <1.36 | NR | <1.36 | <1.36 |
| 114804 | EBU 3 | ug/kg | 9.89 | C | <1.46 | <1.46 | <1.46 | <1.46 | NR | <1.46 | <1.46 | 1.37 | C | NR | <1.46 | NR | <1.46 | <1.46 |
| 114805 | EMC 10 | ug/kg | 6.03 | C | <1.22 | <1.22 | <1.22 | <1.22 | NR | <1.22 | <1.22 | NR | C | NR | <1.22 | NR | <1.22 | <1.22 |
| 114806 | EMC 11 | ug/kg | 5.22 | C | <1.10 | <1.10 | <1.10 | <1.10 | NR | <1.10 | <1.10 | NR | C | NR | <1.10 | NR | <1.10 | <1.10 |
| 114807 | EMC 12 | ug/kg | 15.5 | C | <1.94 | <1.94 | <1.94 | <1.94 | NR | <1.94 | <1.94 | 1.96 | C | NR | <1.94 | NR | <1.94 | <1.94 |
| 114808 | EBU 4 | ug/kg | 9.11 | C | <1.40 | <1.40 | <1.40 | <1.40 | NR | <1.40 | <1.40 | NR | C | NR | <1.40 | NR | <1.40 | <1.40 |
| 114809 | EMC 13 | ug/kg | 1.74 | C | <1.30 | <1.30 | <1.30 | <1.30 | NR | <1.30 | <1.30 | <1.30 | C | NR | <1.30 | NR | <1.30 | <1.30 |
| 114810 | EMC 14 | ug/kg | 5.07 | C | <0.96 | <0.96 | <0.96 | <0.96 | NR | <0.96 | <0.96 | 0.71 | C | NR | <0.96 | NR | <0.96 | <0.96 |
| 114811 | EMC 15 | ug/kg | 8.44 | C | 3.93 | <1.40 | <1.40 | <1.40 | NR | <1.40 | <1.40 | <1.40 | C | NR | <1.40 | NR | <1.40 | <1.40 |
| 114812 | EBU 5 | ug/kg | 3.19 | C | <1.06 | <1.06 | <1.06 | <1.06 | NR | <1.06 | <1.06 | <1.06 | C | NR | <1.06 | NR | <1.06 | <1.06 |
| BL#01 | METHOD BLANK 01 | ug/kg | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 |
| BL#02 | LCS 01 | ug/kg | 6.52 | | 5.82 | | 6.02 | | | | | N/A | | N/A | 6.46 | N/A | N/A | N/A |
| | LCS 01 spk amt | | 6.67 | | 6.67 | | 6.67 | | | | | 6.67 | | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 |
| | LCS 01 % REC | | 97.8 | | 87.3 | | 90.3 | | | | | 96.9 | | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| BL#03 | METHOD BLANK 02 | ug/kg | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 |
| BL#04 | LCS 02 | ug/kg | 5.95 | | 5.3 | | 5.39 | | | | | N/A | | N/A | 6.1 | N/A | N/A | N/A |
| | LCS 02 spk amt | | 6.67 | | 6.67 | | 6.67 | | | | | 6.67 | | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 |
| | LCS 02 % REC | | 89.2 | | 79.5 | | 80.8 | | | | | 91.5 | | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| | LCS 02 LCS | | 5.52 | | 4.86 | | 4.93 | | | | | 5.81 | | 5.81 | 5.81 | 5.81 | 5.81 | 5.81 |
| | LCS 02 spk amt | | 6.67 | | 6.67 | | 6.67 | | | | | 6.67 | | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 |
| | LCS 02 LCS % REC | | 82.8 | | 72.9 | | 73.9 | | | | | 87.1 | | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| | LCS 02 LCS RPD | | 7.5 | | 8.7 | | 8.9 | | | | | 4.9 | | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit
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Table 3

Results based on dry weights.

| Lab ID | Field Description | Units | PCB 180 | PCB 182 | PCB 183 | PCB 185 | PCB 187 | PCB 189 | PCB 191 | PCB 194 | PCB 195 | PCB 196 | Q |
|--------|----------------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 114792 | EMC 1 | ug/kg | <0.90 | <0.90 | <0.90 | <0.90 | 0.45 | <0.90 | <0.90 | <0.90 | <0.90 | <0.90 | C |
| 114793 | EMC 2 | ug/kg | <1.34 | <1.34 | <1.34 | <1.34 | 0.83 | <1.34 | <1.34 | <1.34 | <1.34 | <1.34 | C |
| 114794 | EMC 3 | ug/kg | <1.96 | <1.96 | 0.89 | 0.86 | 4.43 | <1.96 | <1.96 | 0.91 | 1.11 | <1.97 | C |
| 114795 | EBU 1 | ug/kg | <1.44 | <1.44 | 0.89 | 0.71 | 2.37 | <1.44 | <1.44 | <1.44 | 0.63 | <1.44 | C |
| 114796 | EMC 4 | ug/kg | <1.76 | <1.76 | 1.1 | 2 | 3.35 | <1.76 | <1.76 | <1.76 | 0.91 | <1.76 | C |
| 114797 | EMC 4 QA | ug/kg | <1.68 | <1.68 | 1.2 | 0.84 | 3.37 | <1.68 | <1.68 | 1.47 | 1.1 | <1.68 | C |
| 114797 | EMC 4 MD RPD | ug/kg | | | 2.2 | 20.4 | 0.1 | | | | 4.7 | | |
| 114797 | EMC 4 QA MS | ug/kg | | | 15 | | | | | | 16.5 | | |
| 114797 | EMC 4 QA MS spk amt | ug/kg | | | 16.9 | | | | | | 16.9 | | |
| 114797 | EMC 4 QA MS % REC | ug/kg | | | 81.7 | | | | | | 91.1 | | |
| 114797 | EMC 4 QA MSD | ug/kg | | | 14.7 | | | | | | 15.9 | | |
| 114797 | EMC 4 QA MSD spk amt | ug/kg | | | 16.9 | | | | | | 16.9 | | |
| 114797 | EMC 4 QA MSD % REC | ug/kg | | | 79.9 | | | | | | 87.6 | | |
| 114797 | EMC 4 MSD RPD | ug/kg | | | 0.6 | | | | | | 1.0 | | |
| 114798 | EMC 5 | ug/kg | <1.60 | <1.60 | 1.14 | 0.9 | 5.67 | <1.60 | <1.60 | 1.15 | 0.78 | 0.59 | C |
| 114799 | EMC 6 | ug/kg | <1.28 | <1.28 | 0.69 | 0.61 | 2.19 | <1.28 | <1.28 | <1.28 | 0.57 | 0.44 | C |
| 114800 | EBU 2 | ug/kg | <1.54 | <1.54 | 0.87 | 0.82 | 2.89 | <1.54 | <1.54 | 0.75 | 0.69 | <1.54 | C |
| 114801 | EMC 7 | ug/kg | <1.48 | <1.48 | <1.48 | <1.48 | 1.07 | <1.48 | <1.48 | <1.48 | <1.48 | <1.48 | C |
| 114802 | EMC 8 | ug/kg | 9.06 | 4.82 | 1.47 | 3.49 | 5.27 | <1.34 | <1.34 | 1.98 | 2.32 | 0.77 | C |
| 114803 | EMC 9 | ug/kg | <1.36 | <1.36 | 0.72 | <1.36 | 2.12 | <1.36 | <1.36 | <1.36 | 0.59 | <1.36 | C |
| 114804 | EBU 3 | ug/kg | <1.46 | <1.46 | 1.15 | 0.74 | 2.9 | <1.46 | <1.46 | <1.46 | 0.91 | 0.61 | C |
| 114805 | EMC 10 | ug/kg | <1.22 | <1.22 | 0.62 | 0.69 | <1.22 | <1.22 | <1.22 | <1.22 | 0.53 | 0.5 | C |
| 114806 | EMC 11 | ug/kg | <1.10 | <1.10 | 0.57 | 0.47 | 1.42 | <1.10 | <1.10 | 0.57 | 0.38 | <1.10 | C |
| 114807 | EMC 12 | ug/kg | <1.94 | <1.94 | 1.51 | 0.92 | 3.36 | <1.94 | <1.94 | 1.49 | 0.87 | 0.65 | C |
| 114808 | EBU 4 | ug/kg | <1.40 | <1.40 | 0.71 | 1.36 | 2.89 | <1.40 | <1.40 | <1.40 | 0.89 | 0.59 | C |
| 114809 | EMC 13 | ug/kg | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | <1.30 | C |
| 114810 | EMC 14 | ug/kg | <0.96 | <0.96 | 0.34 | <0.96 | 0.79 | <0.96 | <0.96 | <0.96 | <0.96 | <0.96 | C |
| 114811 | EMC 15 | ug/kg | <1.40 | 3.78 | 0.89 | 1.15 | 4.44 | <1.40 | <1.40 | <1.40 | <1.40 | <1.40 | C |
| 114812 | EBU 5 | ug/kg | <1.06 | 2.26 | <1.06 | <1.06 | 1.07 | <1.06 | <1.06 | <1.06 | 0.41 | <1.06 | C |
| BL#01 | METHOD BLANK 01 | ug/kg | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | |
| BL#02 | LCS 01 | ug/kg | N/A | N/A | 6.68 | N/A | N/A | N/A | N/A | N/A | 5.82 | N/A | |
| | LCS 01 spk amt | | | | 6.67 | | | | | | 6.67 | | |
| | LCS 01 % REC | | | | 100.1 | | | | | | 87.3 | | |
| BL#03 | METHOD BLANK 02 | ug/kg | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | <0.66 | |
| BL#04 | LCS 02 | ug/kg | N/A | N/A | 6.07 | N/A | N/A | N/A | N/A | N/A | 5.54 | N/A | |
| | LCS 02 spk amt | | | | 6.67 | | | | | | 6.67 | | |
| | LCS 02 % REC | | | | 91.0 | | | | | | 83.1 | | |
| | LCS 02 LCSD | | | | 5.65 | | | | | | 5.5 | | |
| | LCS 02 spk amt | | | | 6.67 | | | | | | 6.67 | | |
| | LCS 02 LCSD % REC | | | | 84.7 | | | | | | 82.5 | | |
| | LCS 02 LCSD RPD | | | | 7.2 | | | | | | 0.7 | | |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit
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Table 3

Results based on dry weights.

| Lab ID | Field Description | Units | PCB 199 | PCB 201 | Q | PCB 202 | Q | PCB 203 | Q | PCB 205 | PCB 206 | PCB 207 | PCB 208 | Q | PCB 155 | TMX |
|--------|----------------------|-------|---------|---------|---|---------|-----|---------|---|---------|---------|---------|---------|---|---------|-------|
| 114792 | EMC 1 | ug/kg | <0.90 | <0.90 | | <0.90 | | <0.90 | | <0.90 | <0.90 | <0.90 | <0.90 | | <0.90 | 77.7% |
| 114793 | EMC 2 | ug/kg | <1.34 | <1.34 | | <1.34 | | <1.34 | | <1.34 | <1.34 | <1.34 | 0.46 | C | <1.34 | 78.3% |
| 114794 | EMC 3 | ug/kg | <1.97 | 2.12 | | <1.97 | | 0.86 | C | <1.97 | <1.97 | <1.97 | 1.57 | C | <1.97 | 81.9% |
| 114795 | EBU 1 | ug/kg | <1.44 | 0.96 | | <1.44 | | <1.44 | | <1.44 | <1.44 | <1.44 | 0.86 | C | <1.44 | 89.2% |
| 114796 | EMC 4 | ug/kg | <1.76 | 1.47 | | <1.76 | | 0.74 | C | <1.76 | <1.76 | <1.76 | 1.66 | C | <1.76 | 71.9% |
| 114797 | EMC 4 QA | ug/kg | <1.68 | 1.9 | | <1.68 | | 0.73 | C | <1.68 | 2.64 | <1.68 | 2.02 | C | <1.68 | 110% |
| 114797 | EMC 4 MD RPD | | 6.4 | | | | 0.3 | | | | | | 4.9 | | | |
| 114797 | EMC 4 QA MS | ug/kg | | | | | | | | | 15.1 | | | | | |
| 114797 | EMC 4 QA MS spk amt | ug/kg | | | | | | | | | 16.9 | | | | | |
| 114797 | EMC 4 QA MS % REC | ug/kg | | | | | | | | | 74 | | | | | 90.9% |
| 114797 | EMC 4 QA MSD | ug/kg | | | | | | | | | 14.6 | | | | | |
| 114797 | EMC 4 QA MSD spk amt | ug/kg | | | | | | | | | 16.9 | | | | | |
| 114797 | EMC 4 QA MSD % REC | ug/kg | | | | | | | | | 71 | | | | | 63.9% |
| 114797 | EMC 4 MSD RPD | | | | | | | | | | 1.0 | | | | | |
| 114798 | EMC 5 | ug/kg | <1.60 | 1.26 | | <1.60 | | 0.76 | C | <1.60 | <1.60 | <1.60 | 1.14 | C | <1.60 | 67.6% |
| 114799 | EMC 6 | ug/kg | <1.28 | 1.06 | | <1.28 | | <1.28 | | <1.28 | <1.28 | <1.28 | 1.11 | C | <1.28 | 65.1% |
| 114800 | EBU 2 | ug/kg | <1.54 | 1.23 | | <1.54 | | <1.54 | | <1.54 | <1.54 | <1.54 | 1.34 | C | <1.54 | 61.5% |
| 114801 | EMC 7 | ug/kg | <1.48 | <1.48 | | <1.48 | | <1.48 | | <1.48 | <1.48 | <1.48 | <1.48 | | <1.48 | 58.8% |
| 114802 | EMC 8 | ug/kg | <1.34 | 2.78 | | <1.34 | | 1.33 | C | <1.34 | 8.12 | 1.88 | 3.95 | C | <1.34 | 87.6% |
| 114803 | EMC 9 | ug/kg | <1.36 | <1.36 | | <1.36 | | <1.36 | | <1.36 | <1.36 | <1.36 | <1.36 | | <1.36 | 71.7% |
| 114804 | EBU 3 | ug/kg | <1.46 | 1.81 | | <1.46 | | 1.11 | C | <1.46 | <1.46 | 2.4 | <1.46 | | <1.46 | 68.9% |
| 114805 | EMC 10 | ug/kg | <1.22 | 1 | | <1.22 | | <1.22 | | <1.22 | <1.22 | <1.22 | 1.31 | C | <1.22 | 98.7% |
| 114806 | EMC 11 | ug/kg | <1.10 | 0.63 | | <1.10 | | <1.10 | | <1.10 | 0.83 | <1.10 | <1.10 | | <1.10 | 67.8% |
| 114807 | EMC 12 | ug/kg | <1.94 | 1.46 | | <1.94 | | 0.83 | C | <1.94 | <1.94 | <1.94 | 1.45 | C | <1.94 | 98.4% |
| 114808 | EBU 4 | ug/kg | 0.74 | <1.40 | | <1.40 | | 0.68 | C | <1.40 | <1.40 | <1.40 | 1.49 | C | <1.40 | 99.6% |
| 114809 | EMC 13 | ug/kg | <1.30 | <1.30 | | <1.30 | | <1.30 | | <1.30 | <1.30 | <1.30 | 0.52 | C | <1.30 | 74.8% |
| 114810 | EMC 14 | ug/kg | <0.96 | <0.96 | | <0.96 | | <0.96 | | <0.96 | <0.96 | 1.44 | 0.48 | C | <0.96 | 71.1% |
| 114811 | EMC 15 | ug/kg | <1.40 | 3.36 | | <1.40 | | 1.12 | C | <1.40 | <1.40 | <1.40 | 3.72 | C | <1.40 | 76.5% |
| 114812 | EBU 5 | ug/kg | <1.06 | <1.06 | | <1.06 | | <1.06 | | <1.06 | <1.06 | <1.06 | 0.72 | C | <1.06 | 79.3% |
| BL#01 | METHOD BLANK 01 | ug/kg | <0.66 | <0.66 | | <0.66 | | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | 73.0% |
| BL#02 | LCS 01 | ug/kg | N/A | N/A | | N/A | | N/A | | N/A | 5.74 | N/A | N/A | | N/A | 79.9% |
| | LCS 01 spk amt | | | | | | | | | | 6.67 | | | | | |
| | LCS 01 % REC | | | | | | | | | | 86.1 | | | | | |
| BL#03 | METHOD BLANK 02 | ug/kg | <0.66 | <0.66 | | <0.66 | | <0.66 | | <0.66 | <0.66 | <0.66 | <0.66 | | <0.66 | 88.8% |
| BL#04 | LCS 02 | ug/kg | N/A | N/A | | N/A | | N/A | | N/A | 5.41 | N/A | N/A | | N/A | 85.3% |
| | LCS 02 spk amt | | | | | | | | | | 6.67 | | | | | |
| | LCS 02 % REC | | | | | | | | | | 81.1 | | | | | |
| | LCS 02 LCSD | | | | | | | | | | 5.22 | | | | | |
| | LCS 02 spk amt | | | | | | | | | | 6.67 | | | | | |
| | LCS 02 LCSD % REC | | | | | | | | | | 78.3 | | | | | |
| | LCS 02 LCSD RPD | | | | | | | | | | 3.6 | | | | | |

Notes:

 = BRL
 = J Value

BRL = Below Reporting Limit

J Value = Below reporting limit but above detection limit.

C = Data confirmed based upon retention time but reported from one column only due to coelution.

= Data qualified due to >40% difference between results on primary and secondary columns.

Job Description: 18 MILE CREEK BUFFALO - MELFI / KARN Job File Number: 114792

ECB Quality Assurance Corrective Action Form

Analysis: Congeners Date: 1-October-03
Analyst: A. Harrison Instrument: GC 92

Problem: **No MS/MSD data reported for congeners 18,31,44,49,and 52.**

Sample Number(s) Affected: **114797 MS & MSD**

Recommended Corrective Action:

Corrective Action Taken By Analyst: **Sample concentration is significantly higher than spike amount. Therefore recoveries could not be calculated for these congeners.**

Comments: **All other quality control is within acceptable limits.**

Date Corrective Action Taken: 1-October-03
Reviewed by: _____

Eighteenmile Creek AOC - Metals Sediment Report
Table 4

Results based on dry weights.

| Lab ID | Field Description | Units | SB | AS | BE | CD | CR | CU | PB | NI | SE | AG | TL | ZN |
|--------|----------------------|-------|-------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| 114848 | EMC 1 | mg/kg | 0.143 | 1.24 | 0.165 | 0.0897 | 8.34 | 14 | 82.1 | 9.58 | 0.081 | 0.076 | 0.056 | 71.8 |
| 114849 | EMC 2 | mg/kg | 0.29 | 3.39 | 0.541 | 0.846 | 46.3 | 66 | 91.6 | 34.9 | 0.432 | 0.626 | 0.205 | 302 |
| 114850 | EMC 3 | mg/kg | 0.514 | 4.02 | 0.755 | 1.18 | 70.4 | 130 | 162 | 50.9 | 0.602 | 0.828 | 0.286 | 485 |
| 114851 | EBU 1 | mg/kg | 0.345 | 3.4 | 0.523 | 0.751 | 41 | 64.7 | 102 | 31.2 | 0.498 | 0.47 | 0.198 | 328 |
| 114852 | EMC 4 | mg/kg | 0.543 | 4.91 | 0.755 | 1.78 | 101 | 150 | 189 | 72.9 | 0.582 | 0.973 | 0.361 | 674 |
| 114852 | EMC 4 MS | mg/kg | 35.97 | 13.3 | 5.35 | 6.16 | 118 | 201 | 284 | 90.2 | 4.45 | 5.26 | 5.36 | 784 |
| 114852 | EMC 4 MS spk amt | mg/kg | 99.78 | 10.00 | 5.00 | 5.00 | 20.00 | 50 | 100 | 20.00 | 5.00 | 5.00 | 5.00 | 100 |
| 114852 | EMC 4 MS % REC | mg/kg | 35.5 | 83.9 | 91.9 | 87.6 | 85.0 | 102.0 | 95.0 | 86.5 | 77.4 | 85.7 | 100.0 | 110.0 |
| 114852 | EMC 4 MD | mg/kg | 0.508 | 4.65 | 0.691 | 1.7 | 105 | 156 | 202 | 76.663 | 0.677 | 0.866 | 0.352 | 718 |
| 114852 | EMC 4 MD RPD | mg/kg | 6.7 | 5.4 | 8.9 | 4.6 | 3.9 | 3.9 | 6.6 | 5.0 | 15.1 | 11.6 | 2.5 | 6.3 |
| 114853 | EMC 5 | mg/kg | 0.516 | 4.09 | 0.639 | 1.3 | 74.8 | 115 | 138 | 50.8 | 0.54 | 0.69 | 0.269 | 486 |
| 114854 | EMC 6 | mg/kg | 0.393 | 5.42 | 0.613 | 0.934 | 55.1 | 86.9 | 118 | 54.5 | 0.437 | 0.568 | 0.331 | 429 |
| 114855 | EBU 2 | mg/kg | 0.446 | 4.13 | 0.679 | 1.25 | 74.1 | 123 | 146 | 56.9 | 0.45 | 0.615 | 0.29 | 536 |
| 114856 | EMC 7 | mg/kg | 0.309 | 2.34 | 0.675 | 0.424 | 28.2 | 29.5 | 37.4 | 27.4 | 0.329 | 0.252 | 0.163 | 140 |
| 114857 | EMC 8 | mg/kg | 0.743 | 5.05 | 0.635 | 2.46 | 187 | 245 | 321 | 172 | 0.508 | 0.977 | 0.371 | 1350 |
| 114858 | EMC 9 | mg/kg | 0.457 | 3.31 | 0.622 | 0.9 | 49.3 | 75.3 | 133 | 47.9 | 0.281 | 0.395 | 0.257 | 497 |
| 114859 | EBU 3 | mg/kg | 0.56 | 3.75 | 0.598 | 1.52 | 109 | 157 | 203 | 20.5 | 3.53 | 0.618 | 0.288 | 800 |
| 114860 | EMC 10 | mg/kg | 0.463 | 3.39 | 0.632 | 1.1 | 53.9 | 91.8 | 157 | 59.1 | 2.88 | 3.8 | 2.78 | 525 |
| 114861 | EMC 11 | mg/kg | 0.332 | 2.99 | 0.646 | 0.779 | 39.1 | 47.2 | 84.9 | 46.9 | 0.152 | 0.258 | 0.215 | 388 |
| 114862 | EMC 12 | mg/kg | 0.462 | 4.29 | 0.861 | 1.07 | 62 | 85.8 | 157 | 40.6 | 0.596 | 0.501 | 0.253 | 411 |
| 114863 | EBU 4 | mg/kg | 2.97 | 3.38 | 0.629 | 0.898 | 52.5 | 73.5 | 153 | 47.9 | 0.319 | 0.34 | 0.237 | 444 |
| 114864 | EMC 13 | mg/kg | 0.312 | 2.02 | 0.636 | 0.268 | 19.1 | 14.7 | 26.9 | 20.5 | 0.169 | 0.133 | 0.114 | 87.8 |
| 114865 | EMC 14 | mg/kg | 0.409 | 3.03 | 0.621 | 0.466 | 30.5 | 32.4 | 89.5 | 73.4 | 0.144 | 0.142 | 0.135 | 236 |
| 114866 | EMC 15 | mg/kg | 0.739 | 5.6 | 0.678 | 1.62 | 867 | 179 | 322 | 71.3 | 0.304 | 0.621 | 0.189 | 776 |
| 114867 | EBU 5 | mg/kg | 0.334 | 2.78 | 0.604 | 0.363 | 102 | 31.7 | 69.9 | 39.9 | 0.102 | 0.181 | 0.126 | 238 |
| BL#01 | METHOD BLANK 01 | mg/kg | <0.05 | <0.050 | <0.050 | <0.020 | 0.267 | 0.059 | 0.694 | 0.056 | <0.050 | <0.050 | <0.050 | 3.3 |
| BL#02 | LCS 01 spk amt | mg/kg | 104 | 8.91 | 4.45 | 4.39 | 19.8 | 19.8 | 10.1 | 18.4 | 4.17 | 4.29 | 5.01 | 79.4 |
| | LCS 01 % REC | mg/kg | 104 | 10.00 | 5.00 | 5.00 | 20.00 | 20.00 | 10.00 | 20.00 | 5.00 | 5.00 | 5.00 | 100.00 |
| BL#03 | EXTERNAL QC 01 | mg/kg | 104 | 89.1 | 89.0 | 87.8 | 99.0 | 99.0 | 101.0 | 92.0 | 83.4 | 85.8 | 100.2 | 79.4 |
| | EQC 01 Leach Value** | mg/kg | 1.54 | 13.2 | 0.773 | 0.272 | 72.6 | 27.4 | 12.3 | 66 | 1.18 | 0.46 | 0.31 | 86.3 |
| | EQC 01 % REC | mg/kg | NR | NR | NR | NR | 79.00 | 32.00 | 13.00 | 78.00 | NR | NR | NR | 100.00 |
| | | | | | | | 91.9 | 85.6 | 94.6 | 84.6 | | | | 86.3 |

** = Nist 2709

Notes:

 = BRL

BRL = Below Reporting Limit

Eighteenmile Creek AOC - Metals Sediment Report
Table 4

Results based on dry weights.

| Lab ID | Field Description | Units | AL | BA | CA | CO | FE | MG | MN | K | NA | V |
|--------|----------------------|-------|----------|--------|--------|-------|-------|---------|---------|-------|---------|--------|
| 114848 | EMC 1 | mg/kg | 3700 | 32.4 | 30900 | 3.58 | 8720 | 4200 | 447 | 866 | 106 | 7.8 |
| 114849 | EMC 2 | mg/kg | 8780 | 92.3 | 18000 | 9.38 | 17900 | 6250 | 386 | 2820 | 234 | 22.4 |
| 114850 | EMC 3 | mg/kg | 15250 | 158 | 14000 | 13 | 30100 | 7450 | 629 | 4010 | 243 | 29.3 |
| 114851 | EBU 1 | mg/kg | 10800 | 113 | 20000 | 8.77 | 21200 | 6270 | 535 | 2700 | 187 | 20.8 |
| 114852 | EMC 4 | mg/kg | 12800 | 136 | 14000 | 13.9 | 26500 | 6990 | 376 | 3800 | 193 | 27.4 |
| 114852 | EMC 4 MS | mg/kg | 514 | 514 | 32.7 | 32.7 | | | 480 | | N/A | 46.7 |
| 114852 | EMC 4 MS spk amt | mg/kg | N/A | 400 | N/A | 20.00 | N/A | N/A | 100 | N/A | N/A | 20.00 |
| 114852 | EMC 4 MS % REC | mg/kg | 94.5 | 94.5 | 94.1 | 94.1 | | | 104 | | | 99.7 |
| 114852 | EMC 4 MD | mg/kg | 14000 | 141 | 13600 | 13.2 | 28400 | 6840 | 392 | 3620 | 181 | 26.5 |
| 114852 | EMC 4 MD RPD | mg/kg | 9.0 | 3.6 | 2.9 | 5.2 | 6.9 | 2.2 | 4.2 | 4.9 | 6.4 | 3.3 |
| 114853 | EMC 5 | mg/kg | 10900 | 124 | 13400 | 11.7 | 23600 | 6320 | 369 | 3350 | 178 | 23.6 |
| 114854 | EMC 6 | mg/kg | 11700 | 125 | 15100 | 11.3 | 24500 | 6680 | 405 | 3520 | 165 | 24.1 |
| 114855 | EBU 2 | mg/kg | 12800 | 137 | 14300 | 12.1 | 25900 | 6820 | 409 | 3570 | 180 | 25.3 |
| 114856 | EMC 7 | mg/kg | 11400 | 88.2 | 6500 | 11.6 | 23400 | 6730 | 379 | 3600 | 155 | 25.1 |
| 114857 | EMC 8 | mg/kg | 11200 | 145 | 10900 | 16.8 | 27000 | 6220 | 508 | 3380 | 164 | 24.6 |
| 114858 | EMC 9 | mg/kg | 12800 | 135 | 18100 | 12.8 | 26200 | 6470 | 486 | 3390 | 163 | 23.4 |
| 114859 | EBU 3 | mg/kg | 11600 | 122 | 10400 | 13.9 | 25400 | 6380 | 475 | 3440 | 158 | 24.5 |
| 114860 | EMC 10 | mg/kg | 11600 | 105 | 16800 | 13.3 | 24600 | 6450 | 400 | 3820 | 153 | 23.2 |
| 114861 | EMC 11 | mg/kg | 11400 | 99.2 | 16900 | 12.4 | 24400 | 6270 | 425 | 3490 | 175 | 23.2 |
| 114862 | EMC 12 | mg/kg | 13300 | 151 | 21000 | 12.6 | 28500 | 7480 | 624 | 4290 | 303 | 31.4 |
| 114863 | EBU 4 | mg/kg | 12800 | 122 | 19200 | 12.3 | 27600 | 6410 | 517 | 3710 | 186 | 23.5 |
| 114864 | EMC 13 | mg/kg | 10400 | 50.6 | 59200 | 9.4 | 21300 | 5950 | 313 | 3420 | 653 | 22.5 |
| 114865 | EMC 14 | mg/kg | 11000 | 85.7 | 31700 | 11.7 | 88400 | 6970 | 705 | 3550 | 397 | 23.2 |
| 114866 | EMC 15 | mg/kg | 10900 | 108 | 11000 | 11.4 | 24400 | 7200 | 320 | 2820 | 191 | 32.9 |
| 114867 | EBU 5 | mg/kg | 10700 | 65.8 | 12900 | 11.8 | 23400 | 6770 | 440 | 3500 | 463 | 20.5 |
| BL#01 | METHOD BLANK 01 | mg/kg | 16.9 | <0.100 | <20.00 | 0.33 | 15.9 | 3.07 | <0.100 | <1.00 | 4.66 | <0.050 |
| BL#02 | LCS 01 | mg/kg | 292 | 386 | N/A | 20.2 | 207 | N/A | 96.6 | N/A | N/A | 19.8 |
| | LCS 01 spk amt | mg/kg | 400 | 400 | 20.0 | 20.0 | 200 | | 100 | | | 20 |
| | LCS 01 % REC | mg/kg | 73 | 96.5 | 101.0 | 101.0 | 103.5 | | 96.6 | | | 99 |
| BL#03 | EXTERNAL QC 01 | mg/kg | 21100 | 394 | 13700 | 11.4 | 30900 | 13500 | 466 | 4040 | 657 | 71.2 |
| | EQC 01 Leach Value** | mg/kg | 26000.00 | 398.00 | 15000 | 12.0 | 30000 | 14000 | 470.00 | 3200 | 680.00 | 62 |
| | EQC 01 % REC | mg/kg | 81.2 | 99.0 | 91.3 | 95.0 | 103 | 96.4286 | 99.1489 | 126.3 | 96.6176 | 114.84 |

** = Nist 2709

Notes:

 = BRL

BRL = Below Reporting Limit

Eighteenmile Creek AOC - Mercury and TOC Sediment Report
Table 5
Results based on dry weights.

| Lab ID | Field Description | Units | HG | TOC |
|--------|-------------------|-------|--------|---------|
| 114828 | EMC 1 | mg/kg | 0.09 | 11000 |
| 114829 | EMC 2 | mg/kg | 0.15 | 32000 |
| 114830 | EMC 3 | mg/kg | 0.35 | 47000 |
| 114831 | EBU 1 | mg/kg | 0.17 | 33000 |
| 114832 | EMC 4 | mg/kg | 0.47 | 45000 |
| 114833 | EMC 5 | mg/kg | 0.36 | 44000 |
| 114834 | EMC 6 | mg/kg | 0.23 | 30000 |
| 114835 | EBU 2 | mg/kg | 0.33 | 39000 |
| 114836 | EMC 7 | mg/kg | 0.25 | 35000 |
| 114837 | EMC 8 | mg/kg | 0.56 | 36000 |
| 114838 | EMC 9 | mg/kg | 0.16 | 30000 |
| 114839 | EBU 3 | mg/kg | 0.37 | 36000 |
| 114840 | EMC 10 | mg/kg | 0.22 | 24000 |
| 114841 | EMC 11 | mg/kg | 0.12 | 32000 |
| 114842 | EMC 12 | mg/kg | 0.18 | 48000 |
| 114843 | EBU 4 | mg/kg | 0.17 | 31000 |
| 114844 | EMC 13 | mg/kg | 0.022 | 32000 |
| 114845 | EMC 14 | mg/kg | 0.027 | 18000 |
| 114846 | EMC 15 | mg/kg | 0.23 | 45000 |
| 114847 | EBU 5 | mg/kg | 0.044 | 29000 |
| 114847 | EBU 5 MS | mg/kg | 0.22 | |
| 114847 | EBU 5 MS spk amt | mg/kg | 0.20 | |
| 114847 | EBU 5 MS % REC | | 86 | |
| 114847 | EBU 5 MD | mg/kg | 0.04 | 26000 |
| 114847 | EBU 5 MD RPD | | 9.5238 | 10.9091 |
| 114847 | EBU 5 MSD | mg/kg | 0.21 | |
| 114847 | EBU 5 MSD spk amt | mg/kg | 0.20 | |
| 114847 | EBU 5 MSD %REC | | 84 | |
| 114847 | EBU 5 %REC RPD | mg/kg | 2.4 | |
| BL#01 | METHOD BLANK 01 | mg/kg | <0.005 | <250 |
| BL#02 | LCS 01 | mg/kg | 0.21 | 26000 |
| | LCS 01 spk amt | mg/kg | 0.20 | 25000 |
| | LCS 01 % REC | | 105 | 104 |
| BL#03 | EXTERNAL QC 01 | mg/kg | N/A | N/A |

Notes:

 = BRL

BRL = Below Reporting Limit

Eighteenmile Creek AOC - Dioxin Sediment Report

Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 2378-TCDD | Total TCDD | 12378-PeCDD | Total PeCDD | 123478-HxCDD | 123789-HxCDD | Q |
|--------|-------------------|---------------|-------|-----------|------------|-------------|-------------|--------------|--------------|---|
| 114813 | EMC1 | M030925-001 | pg/g | ND | 1.7 | ND | 1.4 | ND | ND | Q |
| 114814 | EMC2 | M030925-002 | pg/g | ND | 2.9 | ND | 2.9 | ND | ND | Q |
| | EMC2 MS | | | 103 | | 96 | | 96 | 99 | |
| | EMC2 MSD | | | 95 | | 96 | | 92 | 94 | |
| | EMC2 RPD | | | 7.3 | | 0.5 | | 3.6 | 5.4 | |
| 114815 | EMC3 | M030925-003 | pg/g | ND | 2.7 | Q | 3.2 | ND | ND | Q |
| 114816 | EMC4 | M030925-004 | pg/g | ND | 8.4 | Q | 11 | 0.7 | 1.8 | Q |
| 114817 | EMC5 | M030925-005 | pg/g | ND | 2.1 | ND | 4.2 | 0.49 | 0.8 | Q |
| 114818 | EMC6 | M030925-006 | pg/g | ND | 1.3 | ND | 2 | 0.35 | 0.6 | Q |
| 114819 | EMC7 | M030925-007 | pg/g | ND | ND | ND | 1 | ND | ND | Q |
| 114820 | EMC8 | M030925-008 | pg/g | 0.6 | Q | 0.94 | 17 | 1.9 | 4.6 | Q |
| 114821 | EMC9 | M030925-009 | pg/g | ND | 5.6 | Q | 6.3 | 0.66 | 1.7 | Q |
| 114822 | EMC10 | M030925-010 | pg/g | 0.72 | Q | 0.46 | 11 | 1.3 | 3.3 | Q |
| 114823 | EMC11 | M030925-011 | pg/g | ND | 1.4 | ND | 2.3 | ND | ND | Q |
| 114824 | EMC12 | M030925-012 | pg/g | ND | 11 | Q | 18 | 1.2 | 3 | Q |
| 114825 | EMC13 | M030925-013 | pg/g | ND | 1.1 | Q | 0.77 | ND | ND | Q |
| 114826 | EMC14 | M030925-014 | pg/g | ND | 1.1 | Q | 1.2 | ND | ND | Q |
| 114827 | EMC15 | M030925-015 | pg/g | ND | 12 | Q | 21 | 3.1 | 8.1 | Q |
| BL#01 | METHOD BLANK 01 | | | ND | ND | ND | 0.26 | ND | ND | Q |
| BL#02 | LCS 01 | | | 99 | | 100 | | 93 | 97 | Q |

Notes:

 = J Value

- J Value = Below reporting limit but above detection limit.
- Q = Estimated maximum possible concentration (EMPC).
- S = Ion Suppression
- B = Method blank contamination.
- ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Report
Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 123878-HxCDD | Q | 123789-HxCDD | Q | Total HxCDD | Q | 1234678-HpCDD | Q | Total HpCDD | Q | OCDD | Q |
|--------|-------------------|---------------|-------|--------------|---|--------------|----|-------------|---|---------------|---|-------------|---|------|---|
| 114813 | EMC1 | M030925-001 | pg/g | 0.63 | Q | ND | ND | 4.6 | Q | 16 | Q | 36 | Q | 140 | B |
| 114814 | EMC2 | M030925-002 | pg/g | 1.7 | Q | ND | ND | 15 | Q | 46 | Q | 100 | B | 500 | B |
| | EMC2 MS | | | 100 | | 99 | | | | 95 | | | | 95 | B |
| | EMC2 MSD | | | 96 | | 94 | | | | 83 | | | | 57 | B |
| | EMC2 RPD | | | 4.3 | | 5.4 | | | | 10 | | | | 20 | B |
| 114815 | EMC3 | M030925-003 | pg/g | 1.6 | | ND | ND | 12 | | 23 | | 48 | | 220 | B |
| 114816 | EMC4 | M030925-004 | pg/g | 5.7 | | 1.8 | | 52 | Q | 110 | | 220 | | 1100 | B |
| 114817 | EMC5 | M030925-005 | pg/g | 1.9 | Q | 0.8 | Q | 18 | Q | 43 | | 82 | | 390 | B |
| 114818 | EMC6 | M030925-006 | pg/g | 1.5 | | 0.6 | Q | 13 | Q | 25 | | 50 | | 220 | B |
| 114819 | EMC7 | M030925-007 | pg/g | 0.9 | | ND | ND | 7.7 | Q | 11 | | 23 | | 110 | B |
| 114820 | EMC8 | M030925-008 | pg/g | 14 | | 4.6 | Q | 100 | Q | 250 | | 520 | | 2500 | B |
| 114821 | EMC9 | M030925-009 | pg/g | 3.8 | | 1.7 | | 36 | Q | 76 | | 160 | | 760 | B |
| 114822 | EMC10 | M030925-010 | pg/g | 9.8 | | 3.3 | | 69 | Q | 190 | | 400 | | 1800 | B |
| 114823 | EMC11 | M030925-011 | pg/g | 1.9 | | ND | ND | 14 | | 42 | | 86 | | 440 | B |
| 114824 | EMC12 | M030925-012 | pg/g | 7.5 | Q | 3 | Q | 63 | Q | 140 | | 280 | | 1400 | B |
| 114825 | EMC13 | M030925-013 | pg/g | ND | | ND | ND | 3.7 | Q | 7.7 | | 15 | | 74 | B |
| 114826 | EMC14 | M030925-014 | pg/g | 0.88 | | ND | ND | 7.5 | Q | 17 | | 37 | | 180 | B |
| 114827 | EMC15 | M030925-015 | pg/g | 20 | | 8.1 | | 140 | Q | 320 | | 640 | | 2800 | B |
| BL#01 | METHOD BLANK 01 | | | ND | | ND | ND | ND | | ND | | ND | | 0.76 | B |
| BL#02 | LCS 01 | | | 101 | | 97 | | | | 92 | | | | 92 | B |

Notes:

 = J Value

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- S = Ion Suppression
- B = Method blank contamination.
- ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Report
Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 2378-TCDF | Q | Total-TCDF | Q | 12378-PeCDF | Q | 23478-PeCDF | Q | Total PeCDF | Q | 123478-HxCDF | Q |
|--------|-------------------|---------------|-------|-----------|----|------------|----|-------------|----|-------------|----|-------------|----|--------------|----|
| 114813 | EMC1 | M030925-001 | pg/g | 1.5 | Q | 23 | Q | ND | Q | 0.53 | Q | 4.9 | Q | 1 | Q |
| 114814 | EMC2 | M030925-002 | pg/g | 2.7 | Q | 51 | Q | 0.65 | Q | 1 | QB | 16 | QB | 4 | QB |
| | EMC2 MS | | | 100 | | | | 104 | | 98 | B | | | 95 | QB |
| | EMC2 MSD | | | 97 | | | | 104 | | 96 | B | | | 93 | QB |
| | EMC2 RPD | | | 3.2 | | | | 0.15 | | 1.8 | | | | 2.4 | |
| 114815 | EMC3 | M030925-003 | pg/g | 3.1 | Q | 35 | Q | ND | Q | ND | | 7.4 | Q | 2.9 | QB |
| 114816 | EMC4 | M030925-004 | pg/g | 3.6 | Q | 62 | Q | 1.4 | Q | 1.8 | B | 38 | QB | 12 | QB |
| 114817 | EMC5 | M030925-005 | pg/g | 2.8 | Q | 33 | Q | ND | Q | 0.78 | QB | 12 | QB | 3.7 | QB |
| 114818 | EMC6 | M030925-006 | pg/g | 1.6 | Q | 24 | Q | 0.38 | Q | 0.44 | QB | 9.8 | QB | 2.9 | QB |
| 114819 | EMC7 | M030925-007 | pg/g | 1.5 | Q | 8 | Q | ND | Q | ND | Q | 0.89 | Q | 1.1 | QB |
| 114820 | EMC8 | M030925-008 | pg/g | 5 | Q | 69 | Q | 1.9 | Q | 2.5 | B | 68 | QB | 23 | QB |
| 114821 | EMC9 | M030925-009 | pg/g | 3 | Q | 66 | Q | 0.89 | Q | 1.1 | QB | 24 | QB | 6.3 | QB |
| 114822 | EMC10 | M030925-010 | pg/g | 5.2 | Q | 79 | Q | 1.1 | Q | 1.4 | QB | 47 | QB | 13 | QB |
| 114823 | EMC11 | M030925-011 | pg/g | 1.8 | Q | 43 | Q | 0.33 | Q | 0.65 | QB | 13 | QB | 3.7 | QB |
| 114824 | EMC12 | M030925-012 | pg/g | 6.9 | Q | 120 | Q | 2.1 | Q | 2.2 | B | 45 | QB | 15 | QB |
| 114825 | EMC13 | M030925-013 | pg/g | ND | Q | 2 | Q | ND | Q | ND | Q | 2.1 | Q | 0.8 | B |
| 114826 | EMC14 | M030925-014 | pg/g | 1.3 | Q | 18 | Q | ND | Q | ND | Q | 5.5 | Q | 2 | QB |
| 114827 | EMC15 | M030925-015 | pg/g | 4.1 | Q | 110 | Q | 2.8 | Q | 4.1 | B | 150 | QB | 11 | B |
| BL#01 | METHOD BLANK 01 | | | ND | ND | ND | ND | ND | ND | 0.12 | Q | 0.12 | Q | 0.16 | Q |
| BL#02 | LCS 01 | | | 95 | | | | 102 | | 99 | B | | | 95 | B |

Notes:

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- B = Method blank contamination.
- ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Report
Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 123678-HxCDF | Q | 234678-HxCDF | Q | 123789-HxCDF | Q | Total HxCDF | Q | 1234678-HpCDF | Q |
|--------|-------------------|---------------|-------|--------------|----|--------------|----|--------------|----|-------------|-----|---------------|----|
| 114813 | EMC1 | M030925-001 | pg/g | 0.3 | Q | ND | ND | ND | ND | 8.3 | QS | 8.8 | Q |
| 114814 | EMC2 | M030925-002 | pg/g | 1.2 | B | 1.7 | Q | ND | ND | 30 | QB | 24 | QB |
| | EMC2 MS | | | 95 | B | 94 | | 92 | | | | 94 | B |
| | EMC2 MSD | | | 90 | B | 92 | | 87 | | | | 92 | B |
| | EMC2 RPD | | | 5.2 | | 1.7 | | 5.3 | | | | 1.6 | |
| 114815 | EMC3 | M030925-003 | pg/g | 0.89 | B | ND | | ND | | 16 | QB | 17 | QB |
| 114816 | EMC4 | M030925-004 | pg/g | 4.4 | QB | 2 | Q | ND | | 85 | QSB | 82 | B |
| 114817 | EMC5 | M030925-005 | pg/g | 1.2 | QB | ND | | ND | | 31 | QSB | 32 | B |
| 114818 | EMC6 | M030925-006 | pg/g | 0.74 | QB | 0.63 | Q | ND | | 19 | QSB | 19 | B |
| 114819 | EMC7 | M030925-007 | pg/g | 0.59 | QB | ND | | ND | | 9.7 | QB | 8.5 | QB |
| 114820 | EMC8 | M030925-008 | pg/g | 9.8 | B | 3.6 | Q | ND | | 200 | QSB | 230 | B |
| 114821 | EMC9 | M030925-009 | pg/g | 2.5 | B | 1.2 | | ND | | 51 | QSB | 59 | B |
| 114822 | EMC10 | M030925-010 | pg/g | 4.6 | B | 1.8 | Q | ND | | 130 | QSB | 130 | B |
| 114823 | EMC11 | M030925-011 | pg/g | 1 | B | 0.64 | Q | ND | | 26 | QB | 24 | B |
| 114824 | EMC12 | M030925-012 | pg/g | 3.7 | QB | 2.1 | Q | ND | | 89 | QSB | 91 | B |
| 114825 | EMC13 | M030925-013 | pg/g | ND | | ND | | ND | | 4.1 | QB | 4.3 | QB |
| 114826 | EMC14 | M030925-014 | pg/g | 0.62 | QB | ND | | ND | | 12 | QB | 12 | B |
| 114827 | EMC15 | M030925-015 | pg/g | 15 | B | 5.8 | Q | ND | | 360 | QB | 370 | B |
| BL#01 | METHOD BLANK 01 | | | 0.067 | Q | ND | | ND | | 0.22 | QB | 0.25 | Q |
| BL#02 | LCS 01 | | | 95 | B | 94 | | 91 | | | | 91 | B |

Notes:

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- B = Method blank contamination.
- ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Report
Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 1234789-HpCDF | Q | Total HpCDF | Q | OCDF | Q | 13C-2378-TCDD | 13C-123478-PeCDD | 13C-123478-HxCDD |
|--------|-------------------|---------------|-------|---------------|---|-------------|----|------|----|---------------|------------------|------------------|
| 114813 | EMC1 | M030925-001 | pg/g | 0.48 | | 20 | | 14 | B | 83 | 88 | 83 |
| 114814 | EMC2 | M030925-002 | pg/g | ND | | 63 | Q | 13 | B | 65 | 70 | 68 |
| | EMC2 MS | | | 95 | | | | 40 | Ab | 80 | 87 | 77 |
| | EMC2 MSD | | | 87 | | | | 41 | Ab | 82 | 86 | 79 |
| | EMC2 RPD | | | 7.9 | | | | 3.1 | | | | |
| 114815 | EMC3 | M030925-003 | pg/g | ND | | 40 | QB | 11 | B | 78 | 88 | 79 |
| 114816 | EMC4 | M030925-004 | pg/g | 3.1 | | 200 | QB | 27 | B | 75 | 82 | 75 |
| 114817 | EMC5 | M030925-005 | pg/g | 1.4 | Q | 80 | BQ | 18 | B | 72 | 77 | 71 |
| 114818 | EMC6 | M030925-006 | pg/g | 1.1 | | 44 | QB | 11 | B | 77 | 89 | 77 |
| 114819 | EMC7 | M030925-007 | pg/g | 1.2 | | 23 | QB | 8.2 | B | 66 | 76 | 68 |
| 114820 | EMC8 | M030925-008 | pg/g | 9 | | 550 | QB | 200 | B | 75 | 81 | 74 |
| 114821 | EMC9 | M030925-009 | pg/g | 2.2 | | 140 | QB | 43 | B | 78 | 88 | 76 |
| 114822 | EMC10 | M030925-010 | pg/g | 6 | | 340 | QB | 23 | B | 82 | 92 | 79 |
| 114823 | EMC11 | M030925-011 | pg/g | 1.2 | | 62 | QB | 33 | B | 77 | 84 | 77 |
| 114824 | EMC12 | M030925-012 | pg/g | 4.4 | | 220 | QB | 23 | B | 89 | 99 | 89 |
| 114825 | EMC13 | M030925-013 | pg/g | ND | | 9.9 | QB | 4.7 | B | 77 | 90 | 79 |
| 114826 | EMC14 | M030925-014 | pg/g | ND | | 29 | QB | 14 | B | 76 | 84 | 70 |
| 114827 | EMC15 | M030925-015 | pg/g | 12 | | 810 | QB | 140 | B | 70 | 65 | 68 |
| BL#01 | METHOD BLANK 01 | | | ND | | 0.25 | Q | 0.45 | Q | 79 | 82 | 82 |
| BL#02 | LCS 01 | | | 95 | | | | 86 | B | 76 | 79 | 79 |

Notes:

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- ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Report
Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 13C-123678-HxCDD | 13C-1234678-HpCDD | 13C-OCDD | Q | 13C-2378-TCDF | 13C-12378-PECDF | 13C-23478-PeCDF |
|--------|-------------------|---------------|-------|------------------|-------------------|----------|---|---------------|-----------------|-----------------|
| 114813 | EMC1 | M030925-001 | pg/g | 78 | 73 | 59 | | 85 | 82 | 82 |
| 114814 | EMC2 | M030925-002 | pg/g | 62 | 65 | 52 | | 61 | 63 | 58 |
| | EMC2 MS | | | 69 | 80 | 70 | | 77 | 75 | 78 |
| | EMC2 MSD | | | 73 | 75 | 58 | | 79 | 75 | 78 |
| | EMC2 RPD | | | | | | | | | |
| 114815 | EMC3 | M030925-003 | pg/g | 69 | 82 | 75 | | 76 | 75 | 80 |
| 114816 | EMC4 | M030925-004 | pg/g | 68 | 75 | 62 | | 73 | 71 | 73 |
| 114817 | EMC5 | M030925-005 | pg/g | 65 | 68 | 51 | | 71 | 67 | 69 |
| 114818 | EMC6 | M030925-006 | pg/g | 69 | 80 | 73 | | 75 | 78 | 81 |
| 114819 | EMC7 | M030925-007 | pg/g | 60 | 75 | 72 | | 63 | 67 | 70 |
| 114820 | EMC8 | M030925-008 | pg/g | 66 | 76 | 68 | | 74 | 71 | 73 |
| 114821 | EMC9 | M030925-009 | pg/g | 70 | 79 | 74 | | 74 | 76 | 80 |
| 114822 | EMC10 | M030925-010 | pg/g | 71 | 80 | 68 | | 82 | 80 | 85 |
| 114823 | EMC11 | M030925-011 | pg/g | 70 | 72 | 56 | | 75 | 74 | 78 |
| 114824 | EMC12 | M030925-012 | pg/g | 77 | 87 | 79 | | 84 | 84 | 89 |
| 114825 | EMC13 | M030925-013 | pg/g | 70 | 85 | 79 | | 73 | 75 | 80 |
| 114826 | EMC14 | M030925-014 | pg/g | 65 | 75 | 67 | | 70 | 71 | 75 |
| 114827 | EMC15 | M030925-015 | pg/g | 62 | 55 | 38 | * | 68 | 57 | 57 |
| BL#01 | METHOD BLANK 01 | | | 73 | 82 | 68 | | 76 | 70 | 73 |
| BL#02 | LCS 01 | | | 70 | 74 | 61 | | 73 | 72 | 72 |

Notes:

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- S = Ion Suppression
- B = Method blank contamination.
- ND = Not detected

Eighteenmile Creek AOC - Dioxin Sediment Report

Table 6

Results based on dry weights.

| Lab ID | Field Description | STL Sample ID | Units | 13C-123478-HxCDF | 13C-123678-HxCDF | 13C-234678-HxCDF | 13C-123789-HxCDF | 13C-1234678-HpCDF | 13c-1234789-HpCDF | 13c-1234789-HpCDF |
|--------|-------------------|---------------|-------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|
| 114813 | EMC1 | M030925-001 | pg/g | 82 | 81 | 79 | 80 | 73 | 76 | 76 |
| 114814 | EMC2 | M030925-002 | pg/g | 67 | 65 | 56 | 63 | 53 | 45 | 45 |
| | EMC2 MS | | | 72 | 68 | 69 | 72 | 60 | 61 | 61 |
| | EMC2 MSD | | | 75 | 71 | 71 | 75 | 57 | 58 | 58 |
| | EMC2 RPD | | | | | | | | | |
| 114815 | EMC3 | M030925-003 | pg/g | 73 | 68 | 69 | 73 | 64 | 67 | 67 |
| 114816 | EMC4 | M030925-004 | pg/g | 69 | 66 | 67 | 67 | 53 | 50 | 50 |
| 114817 | EMC5 | M030925-005 | pg/g | 67 | 64 | 63 | 65 | 52 | 51 | 51 |
| 114818 | EMC6 | M030925-006 | pg/g | 73 | 69 | 70 | 73 | 62 | 66 | 66 |
| 114819 | EMC7 | M030925-007 | pg/g | 63 | 60 | 60 | 67 | 62 | 71 | 71 |
| 114820 | EMC8 | M030925-008 | pg/g | 72 | 66 | 67 | 73 | 63 | 72 | 72 |
| 114821 | EMC9 | M030925-009 | pg/g | 73 | 68 | 71 | 75 | 64 | 71 | 71 |
| 114822 | EMC10 | M030925-010 | pg/g | 73 | 68 | 74 | 71 | 56 | 45 | 45 |
| 114823 | EMC11 | M030925-011 | pg/g | 73 | 71 | 73 | 76 | 60 | 65 | 65 |
| 114824 | EMC12 | M030925-012 | pg/g | 76 | 73 | 77 | 79 | 63 | 56 | 56 |
| 114825 | EMC13 | M030925-013 | pg/g | 71 | 70 | 70 | 77 | 67 | 82 | 82 |
| 114826 | EMC14 | M030925-014 | pg/g | 67 | 63 | 63 | 70 | 62 | 73 | 73 |
| 114827 | EMC15 | M030925-015 | pg/g | 67 | 62 | 64 | 65 | 47 | 44 | 44 |
| BL#01 | METHOD BLANK 01 | | | 78 | 72 | 74 | 79 | 67 | 79 | 79 |
| BL#02 | LCS 01 | | | 77 | 72 | 72 | 76 | 67 | 67 | 71 |

Notes:

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- B = Method blank contamination.
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Eighteenmile Creek AOC - Particle Sizing Report
Table 7

| Lab ID | Sample ID | % Gravel | % Sand | % Fines |
|---------------|------------------|-----------------|---------------|----------------|
| 114787 | EBU-1 | 0.4 | 50.9 | 48.7 |
| 114788 | EBU-2 | 0.0 | 31.3 | 68.8 |
| 114789 | EBU-3 | 1.2 | 31.3 | 67.5 |
| 114790 | EBU-4 | 1.5 | 50.0 | 48.6 |
| 114791 | EBU-5 | 39.6 | 40.9 | 19.5 |