**SW**
**Soil Analytical Data**
**Samples Collected April and May 2018**
**Frank J. Doyle**
**EPA Region 6**

| | | | | Aroclors | | | | | | Metals | | | | | |

**SW**
**Soil Analytical Data**
**Samples Collected April and May 2018**
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| | | | | Arsenic | | | | Metals | | | |

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# Samples Collected April and May 2018
# Frank J. Doyle
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| | | | | | Aroclors | | | | | | | | Metals | | | | | | | |

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| | | | | Areolers | | | | SVOCs | | | |

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| | | | | Areolers | SVOCs | | | |

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| | | | | | Aroclors | | | | | | | SVOCs | | | | | | |

Site Concentrations

| | Site | OffSite |
|---|---|---|
| PCBs | 175 | 95.1 |
| Arsenic | 68.2 | 59.1 |
| Cobalt | 30.9 | 23.6 |
| Copper | 21800 | 6740 |
| Lead | 1480 | 402 |
| Manganese | 4490 | 3290 |
| Benzo(a) anthracene | < RSL | 9.8 |
| Benzo(a)pyrene | 0.13 | 13.3 |
| Benzo(b)fluoranthene | < RSL | 16.5 |
| Dibenzo(a,h)anthracene | < RSL | 2.97 |
| Indeno(1,2,3-cd)pyrene | < RSL | 15.2 |

| | | Analyte | | | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Total PCBs | Aluminum | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Cobalt | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Potassium | Selenium | Silver | Sodium | Thallium | Vanadium | Zinc | 2,3,4,5-Tetrachlorotoluene | 3-Methylnaphthalene | 2,3,4,6-Tetrachlorophenol | 2,4,5-Trichlorophenol | 2,4,6-Trichlorophenol | 2,4-Dichlorophenol | 2,4-Dimethylphenol | 2,4-Dinitrophenol | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Chloronaphthalene | 2-Chlorophenol | 2-Methylnaphthalene | 2-Nitroaniline | 2-Nitrophenol | 3,3'-Dichlorobenzidine | 3-Methylcholanthrene | 3-Nitroaniline | 4,6-Dinitro-2-methylphenol | 4-Bromophenyl-phenyl ether | 4-Chloro-3-methylphenol | 4-Chloroaniline | 4-Chlorophenyl-phenyl ether | 4-Nitroaniline | 4-Nitrophenol | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Benzoic Acid | Benzyl alcohol | Bis(2-Chloroethoxy)methane | Bis(2-Chloroethyl)ether | Bis(2-Chloroisopropyl)ether | Bis(2-Ethylhexyl)phthalate | Butylbenzylphthalate | Carbazole | Carbonate | Chrysene | Dibenzo(a,h)anthracene | Dibenzofuran | Diethyl phthalate | Dimethyl phthalate | Di-n-butyl phthalate | Di-n-octyl phthalate | Fluoranthene | Fluorene | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | Hexachloroethane | Indeno(1,2,3-cd)pyrene | Isophorone | m,p-Cresol | Naphthalene | Nitrobenzene | N-Nitrosodi-n-propylamine | N-Nitrosodiphenylamine | o-Cresol | Pentachlorophenol | Phenanthrene | Phenol | Pyrene |
|---|---|---

| Arsenic (FJD01) | Arsenic (FJD05) | Arochlor 1260 (FJD01) | Arochlor (FJD05) | Cobalt (FJD01) | Cobalt (FJD05) | Copper (FJD01) | Copper (FJD05) | Lead (FJD01) | Lead (FJD05) | Manganese (FJD01) | Manganese (FJD05) | Benzo(a)anthracene (FJD01) | Benzo(a)anthracene (FJD05) | Benzo(a)pyrene (FJD01) | Benzo(a)pyrene (FJD05) | Benzo(b)fluoranthene (FJD01) | Benzo(b)fluoranthene (FJD05) | DiBenzo(a,h)anthracene (FJD01) | DiBenzo(a,h)anthracene (FJD05) | Indeno(1,2,3-cd)pyrene (FJD01) | Indeno(1,2,3-cd)pyrene (FJD05) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.66 | 10.3 | 0.00687 U | 0.42 | 8.98 | 3.9 | 18.1 | 11.6 | 152 | 95.5 | 1220 | 885 | 0.02 JQ | 0.05 JQ | 0.01 U | 0.06 JQ | 0.01 U | 0.08 JQ | 0.02 U | 0.02 U | 0.01 U | 0.05 JQ |
| 6.21 | 29 | 0.0066 U | 0.00642 U | 8.64 | 5.09 | 21 | 8.12 JK | 96.8 | 30.4 JK | 1470 | 1300 | 0.02 JQ | 0.02 JQ | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 2.4 | 21.2 | 0.00656 U | 0.00655 U | 6.01 | 3.3 | 5.36 | 5.37 | 13.9 | 16.4 | 1250 | 902 | 0.0086 U | 0.00854 U | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 7.19 | 12.1 | 0.00677 U | 0.00599 U | 10.4 | 3.9 | 22.5 | 20.9 JK | 132 | 46.3 | 1670 | 964 JK | 0.02 JQ | 0.03 JQ | 0.01 U | 0.1 JQ | 0.01 U | 0.06 JQ | 0.02 U | 0.02 U | 0.01 U | 0.03 JQ |
| 7.72 | 19.7 | 0.00671 U | 0.00657 U | 11.3 | 5.5 | 19.1 | 11.7 JK | 79 | 43.5 JK | 1840 | 1200 | 0.00875 U | 0.02 JQ | 0.01 U | 0.02 JQ | 0.01 U | 0.04 JQ | 0.02 UJL | 0.02 U | 0.01 U | 0.01 U |
| 2.34 | 20.2 | 0.0066 U | 0.00646 U | 5.15 | 5.68 | 4.73 | 9.68 | 10 | 20.9 | 1450 | 1140 | 0.00837 U | 0.00841 U | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 6.46 | 6.1 | 0.03 U | 0.1 JK | 10.1 | 6.34 | 19.4 | 30.9 | 280 | 48.9 | 1120 | 1240 | 0.03 JQ | 0.08 U | 0.01 U | 0.11 U | 0.04 JQ | 0.14 U | 0.02 U | 0.2 U | 0.03 JQ | 0.15 U |
| 5.26 | 12 | 0.00686 U | 0.00665 U | 9.07 | 6.51 | 13.8 | 25.3 JK | 130 | 48.5 JK | 1050 | 1600 | 0.02 JQ | 0.03 JQ | 0.01 U | 0.04 JQ | 0.01 U | 0.08 JQ | 0.02 U | 0.02 U | 0.01 U | 0.01 JQ |
| 5.62 | 17 | 0.00657 U | 0.00643 U | 10.9 | 4.73 | 13.2 | 16.9 | 72.6 | 48.6 | 1600 | 1140 | 0.00862 U | 0.00855 U | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 11.1 | 6.68 | 0.03 U | 0.15 | 11.2 | 9.34 | 41 | 45.8 | 346 | 43 | 1510 | 1470 | 0.02 JQ | 0.04 JQ | 0.01 U | 0.04 JQ | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.02 JQ |
| 9.4 | 6.94 | 0.00679 U | 0.03 JQ | 9.01 | 9.69 | 49.1 | 36 | 197 | 42.6 | 1510 | 1730 | 0.02 JQ | 0.00905 U | 0.01 JQ | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 JQ | 0.01 U |
| 6.04 | 6.15 | 0.00672 U | 0.00669 U | 7.55 | 14.5 | 19.5 | 28.9 | 85.9 | 29.8 | 1260 | 2160 | 0.00876 U | 0.00884 U | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 6.56 | 5.55 | 0.03 U | 0.02 U | 10 | 3.85 | 27.2 | 9.55 | 194 | 341 | 1640 | 745 | 0.05 JQ | 0.05 JQ | 0.01 U | 0.1 JQ | 0.01 U | 0.08 JQ | 0.02 U | 0.01 U | 0.06 JQ | 0.05 JQ |
| 11.5 | 8.53 | 0.03 U | 0.00615 U | 10.2 | 5.31 | 31.6 | 8.37 JK | 195 | 71.7 JK | 1720 | 1070 | 0.02 JQ | 0.00791 U | 0.01 JQ | 0.01 U | 0.02 JQ | 0.01 U | 0.02 U | 0.02 U | 0.02 JQ | 0.01 U |
| 4.45 | 4.45 | 0.0067 U | 0.00632 U | 8.6 | 3.27 | 31.6 | 4.61 JK | 53 | 51.1 JK | 1280 | 1010 | 0.00861 U | 0.04 JQ | 0.01 U | 0.04 JQ | 0.01 U | 0.05 JQ | 0.02 U | 0.02 U | 0.01 U | 0.02 JQ |
| 6.52 | 9.83 | 0.03 U | 0.00576 U | 6.25 | 4.87 | 29.7 | 17.1 JK | 300 | 90.8 | 676 | 728 | 0.05 JQ | 0.05 JQ | 0.01 U | 0.01 U | 0.06 JQ | 0.01 U | 0.02 U | 0.01 U | 0.04 JQ | 0.01 U |
| 8.23 | 6.62 | 0.00665 U | 0.00576 U | 7.4 | 3.37 | 22.7 | 10.1 JK | 164 | 63.6 | 1050 | 684 | 0.02 JQ | 0.04 JQ | 0.01 U | 0.01 U | 0.01 U | 0.05 JQ | 0.02 U | 0.01 U | 0.01 U | 0.03 JQ |
| 5.73 | 18.4 | 0.00656 U | 0.00619 U | 7.66 | 5.63 | 9.43 | 14.4 JK | 28.6 | 84.8 JK | 1260 | 1170 | 0.00878 U | 0.05 JQ | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 7.66 | 9.32 | 0.00674 U | 0.00635 U | 8.88 | 5.54 | 28.4 | 13.9 | 92.6 | 77.2 | 1200 | 1200 | 0.69 | 0.00828 U | 0.44 | 0.01 U | 1.1 | 0.01 U | 0.12 JQ | 0.02 U | 0.5 | 0.01 U |
| 7.56 | 7.17 | 0.00657 U | 0.00588 U | 10.2 | 4.74 | 19.8 | 18.1 | 54.2 | 58.4 | 1500 | 1040 | 0.02 JQ | 0.04 JQ | 0.03 JQ | 0.04 JQ | 0.06 JQ | 0.06 JQ | 0.02 U | 0.01 U | 0.06 JQ | 0.02 JQ |
| 5.15 | 10.2 | 0.00675 U | 0.00658 U | 9.68 | 6.38 | 9.65 | 15.8 | 53.1 | 71.9 | 1580 | 1120 | 0.00874 U | 0.00847 U | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 7.01 | 14.1 | 0.04 U | 0.00658 U | 6.51 | 6.37 | 45.7 | 56.6 | 134 | 72.3 | 599 | 1210 | 0.01 U | 0.00852 U | 0.01 U | 0.01 U | 0.02 U | 0.01 U | 0.03 U | 0.02 U | 0.02 U | 0.01 U |
| 4.38 | 8.7 | 0.03 U | 0.00592 U | 9.24 | 14.5 | 11 | 27.2 | 20.7 | 56 | 1310 | 1780 | 0.01 U | 0.02 JQ | 0.01 U | 0.03 JQ | 0.01 U | 0.01 U | 0.02 U | 0.01 U | 0.01 U | 0.01 JQ |
| 3.82 | 6.8 | 0.03 U | 0.00705 U | 7.58 | 8.15 | 7.97 | 15.7 JK | 13.8 | 41.1 JK | 1220 | 1440 | 0.0089 U | 0.04 JQ | 0.01 U | 0.01 U | 0.01 U | 0.01 U | 0.02 U | 0.02 U | 0.01 U | 0.01 U |
| 18.2 | 5.69 | 0.03 U | 0.00666 U | 10.3 | 12.3 | 87.6 | 11.5 | 407 | 25 | 1340 | 1440 | 0.03 JQ | 0.00868 U | 0.01 U | 0.01 U | 0.06 JQ | 0.01 U | 0.02 U | 0.02 U | 0.04 JQ | 0.01 U |
| 12.9 | 12.7 | 0.00678 U | 0.02 U | 8.3 | 5.47 JK | 42.8 | 12.5 JK | 86.7 | 235 JK | 1350 | 1020 | 0.01 JQ | 0.09 JQ | 0.01 U | 0.13 JQ | 0.01 JQ | 0.22 JQ | 0.02 U | 0.01 U | 0.01 U | 0.06 JQ |
| 4.91 | 15.4 | 0.00688 U | 0.00577 U | 7.68 | 9.14 JK | 8.87 | 26.9 JK | 12.7 | 273 | 1190 | 1300 JK | 0.00891 U | 0.22 JQ | 0.01 U | 0.14 JQ | 0.01 U | 0.35 | 0.02 U | 0.05 JQ | 0.01 U | 0.25 JQ |
| 7.073333333 | 6.65 | | 0.03 U | 8.77 | 4.96 | 24.47444444 | 8.21 JK | 126.096296 | 134 JK | 1328.333333 | 1170 | | 0.17 JQ | | 0.2 JQ | | 0.29 JQ | | 0.03 JQ | | 0.09 JQ |
| 11.5 | 7.71 | Undetect | 0.00645 U | | 5.7 | | 11.5 JK | | 109 JK | | 1200 | | 0.1 JQ | | 0.12 JQ | | 0.18 JQ | | 0.02 U | | 0.06 JQ |
| | 14.8 | | 0.00631 U | | 7.05 | | 9.56 | | 169 JK | | 1130 | | 0.08 U | | 0.11 U | | 0.14 U | | 0.2 U | | 0.15 U |
| | 5.39 | | 0.0065 U | | 5.79 | | 8.17 JK | | 41.4 JK | | 1490 | | 0.07 JQ | | 0.01 U | | 0.01 U | | 0.02 U | | 0.01 U |
| | 9.68 | | 0.00574 U | | 4.93 | | 10.5 JK | | 94.5 | | 754 JK | | 0.03 JQ | | 0.01 U | | 0.01 U | | 0.01 U | | 0.01 U |
| | 6.32 | | 0.12 | | 6.57 | | 9.84 | | 106 | | 1200 | | 0.05 JQ | | 0.06 JQ | | 0.08 JQ | | 0.02 U | | 0.02 JQ |
| | 4.57 | | 0.00651 U | | 6.16 | | 7.95 | | 82.7 | | 1120 | | 0.00849 U | | 0.01 U | | 0.01 U | | 0.02 U | | 0.01 U |
| | 6.76 | | 0.00579 U | | 6.4 | | 10.7 | | 61.9 | | 849 | | 0.04 JQ | | 0.04 JQ | | 0.05 JQ | | 0.01 U | | 0.02 JQ |
| | 33 | | 0.00658 U | | 9.02 | | 82.7 | | 369 | | 1240 | | 0.00858 U | | 0.01 U | | 0.01 U | | 0.02 U | | 0.01 U |
| | 11.2 | | 0.007 U | | 9.04 | | 11 | | 49.5 | | 1370 | | 0.00912 U | | 0.01 U | | 0.01 U | | 0.02 U | | 0.01 U |
| | 8.88 | | 0.00597 U | | 10.9 JK | | 18.9 JK | | 46.7 JK | | 1500 | | 0.06 JQ | | 0.07 JQ | | 0.11 JQ | | 0.02 U | | 0.03 JQ |
| | 6.3 | | 0.00678 U | | 18.7 | | 13.9 | | 26.7 | | 1770 | | 0.02 JQ | | 0.01 U | | 0.01 U | | 0.02 U | | 0.01 U |
| | 10 | | 0.00714 U | | 16.9 | | 18.1 | | 45.9 | | 1890 | | 0.02 JQ | | 0.01 U | | 0.02 JQ | | 0.02 U | | 0.01 U |
| | 11.05225 | | 0.164 | | 6.5995 | | 12.53875 | | 58.935 | | 1158.825 | | | | | | | | | | |
| | 33 | | | | | | | | | | | | | | | | | | | | |