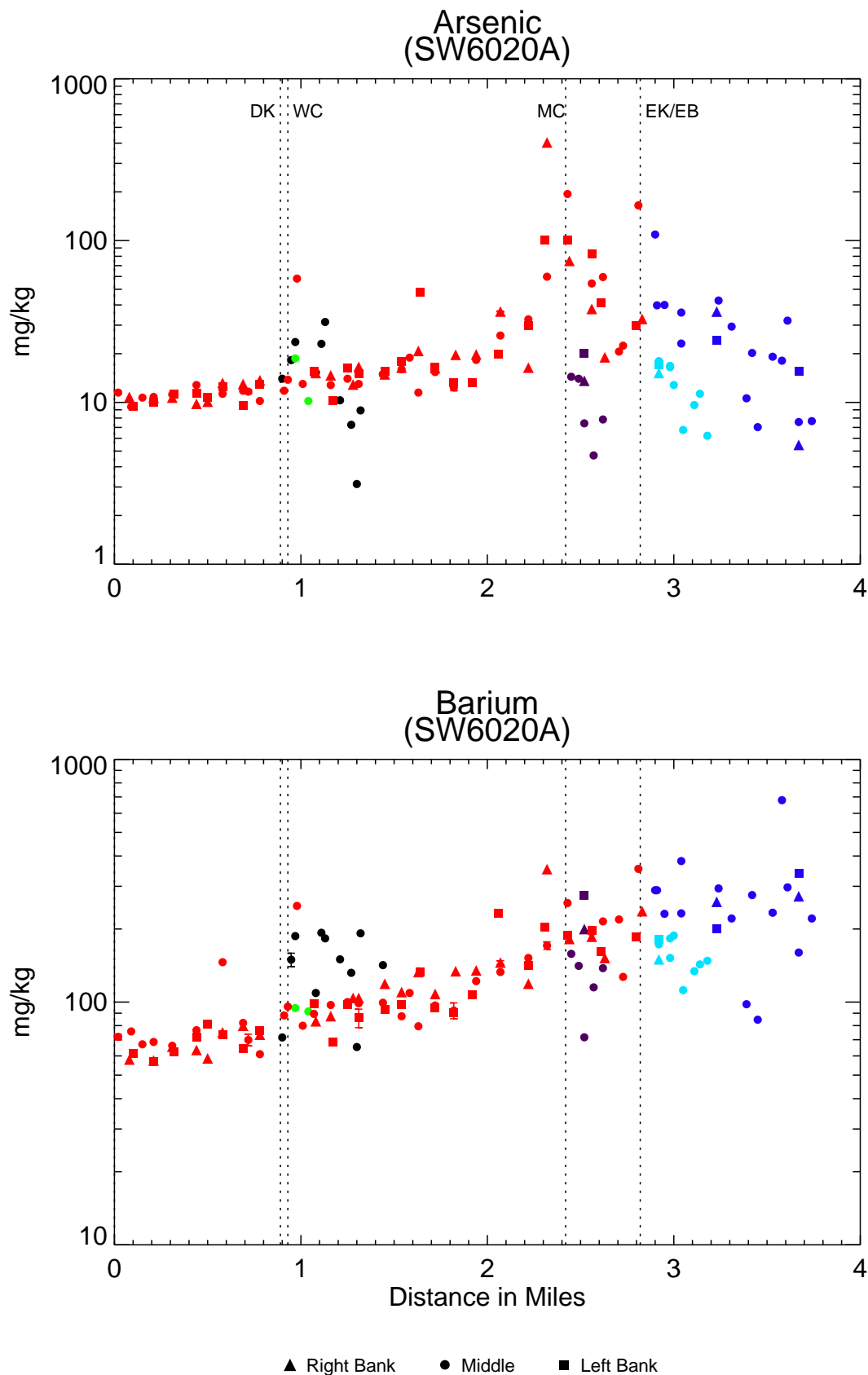
**Figure A4-1**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

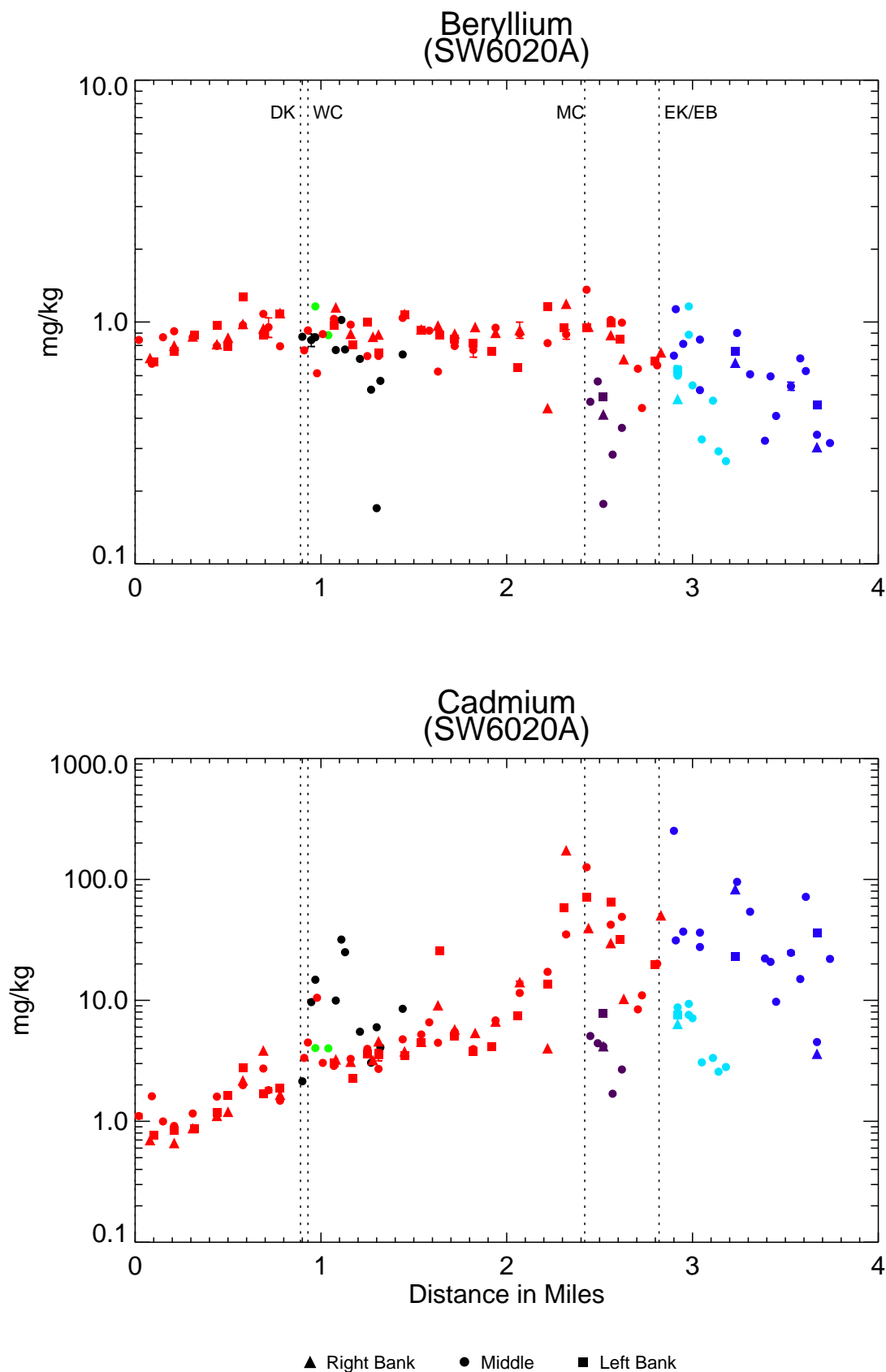
**Figure A4-2**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

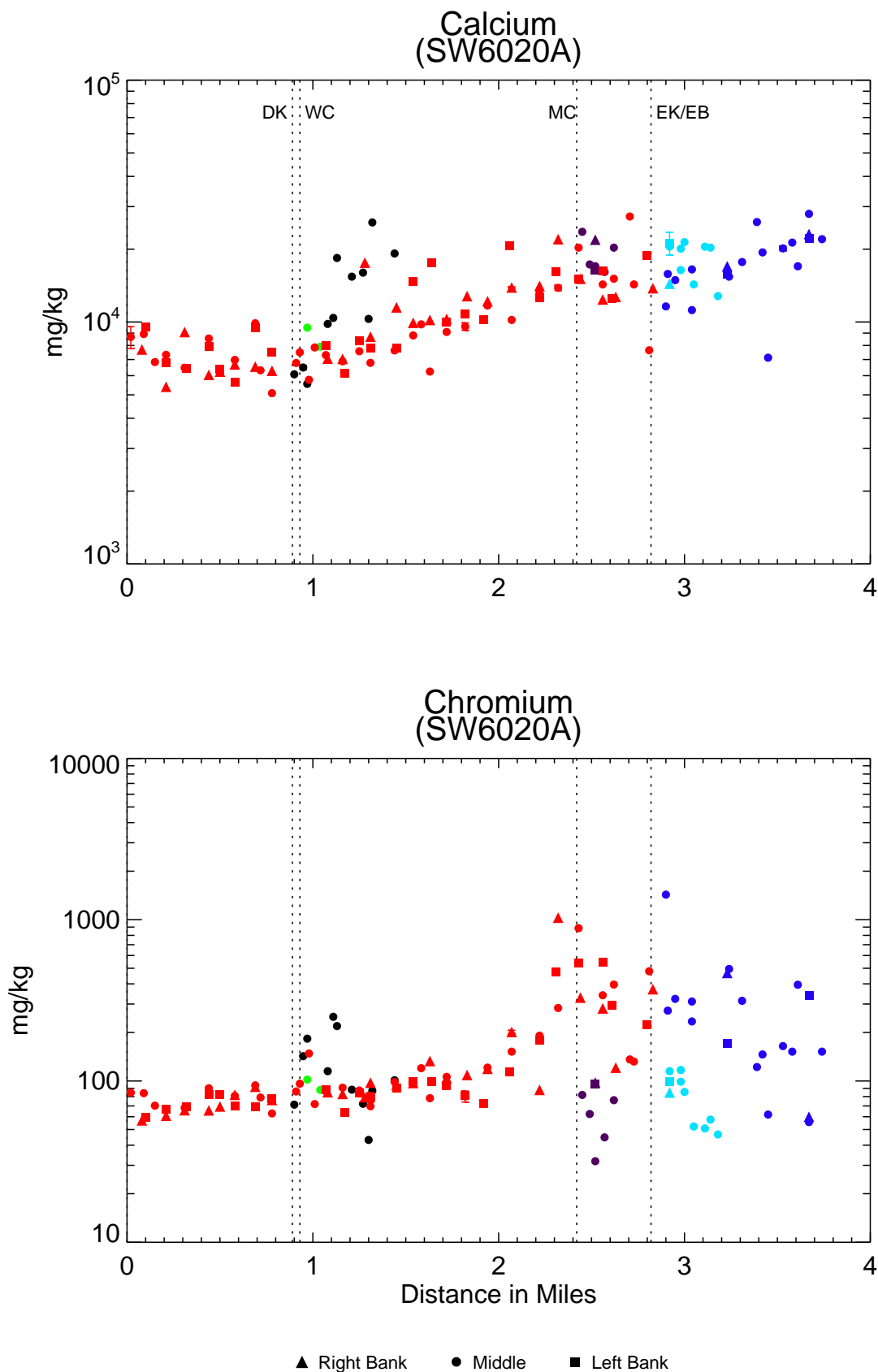
**Figure A4-3**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

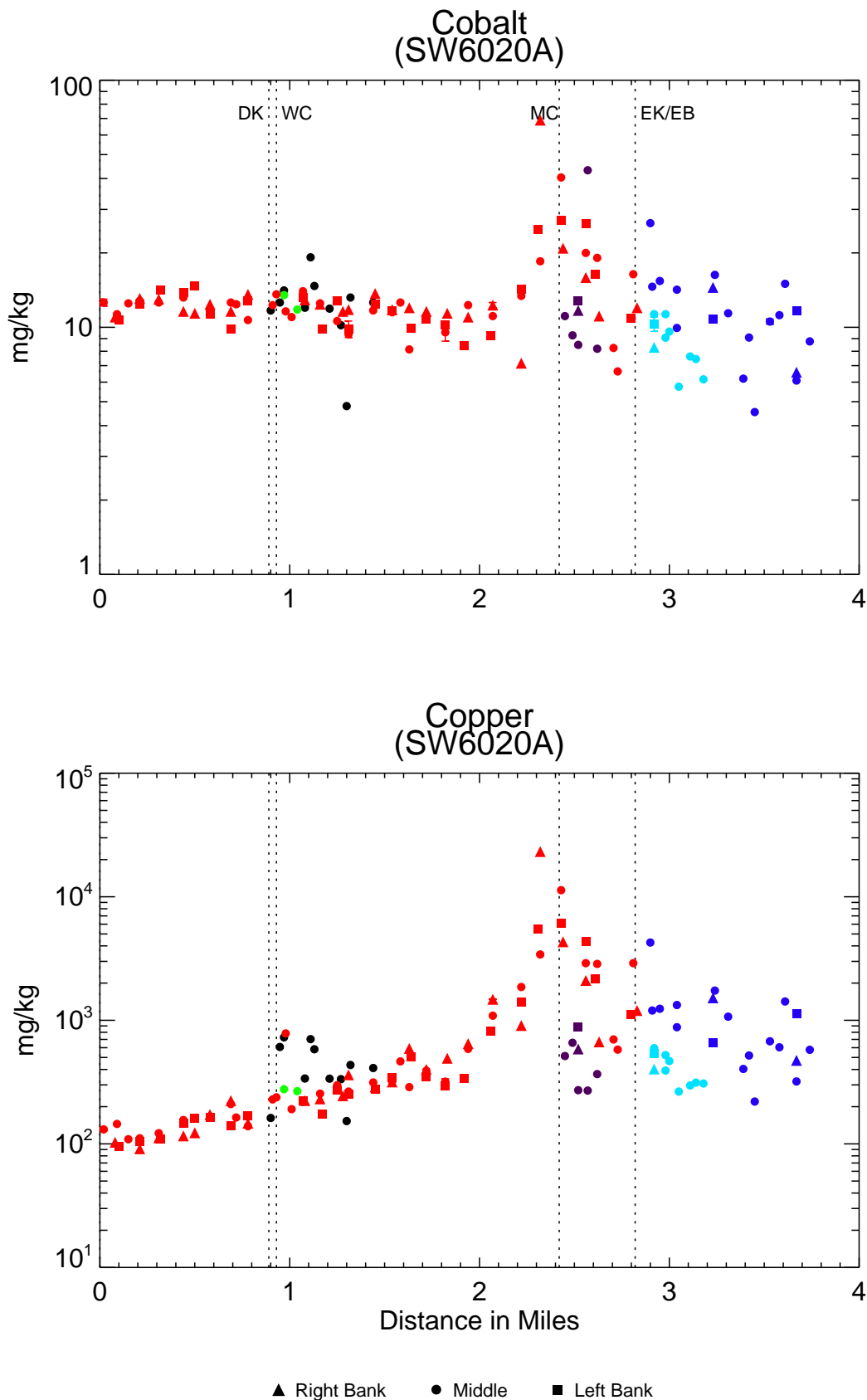
**Figure A4-4**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

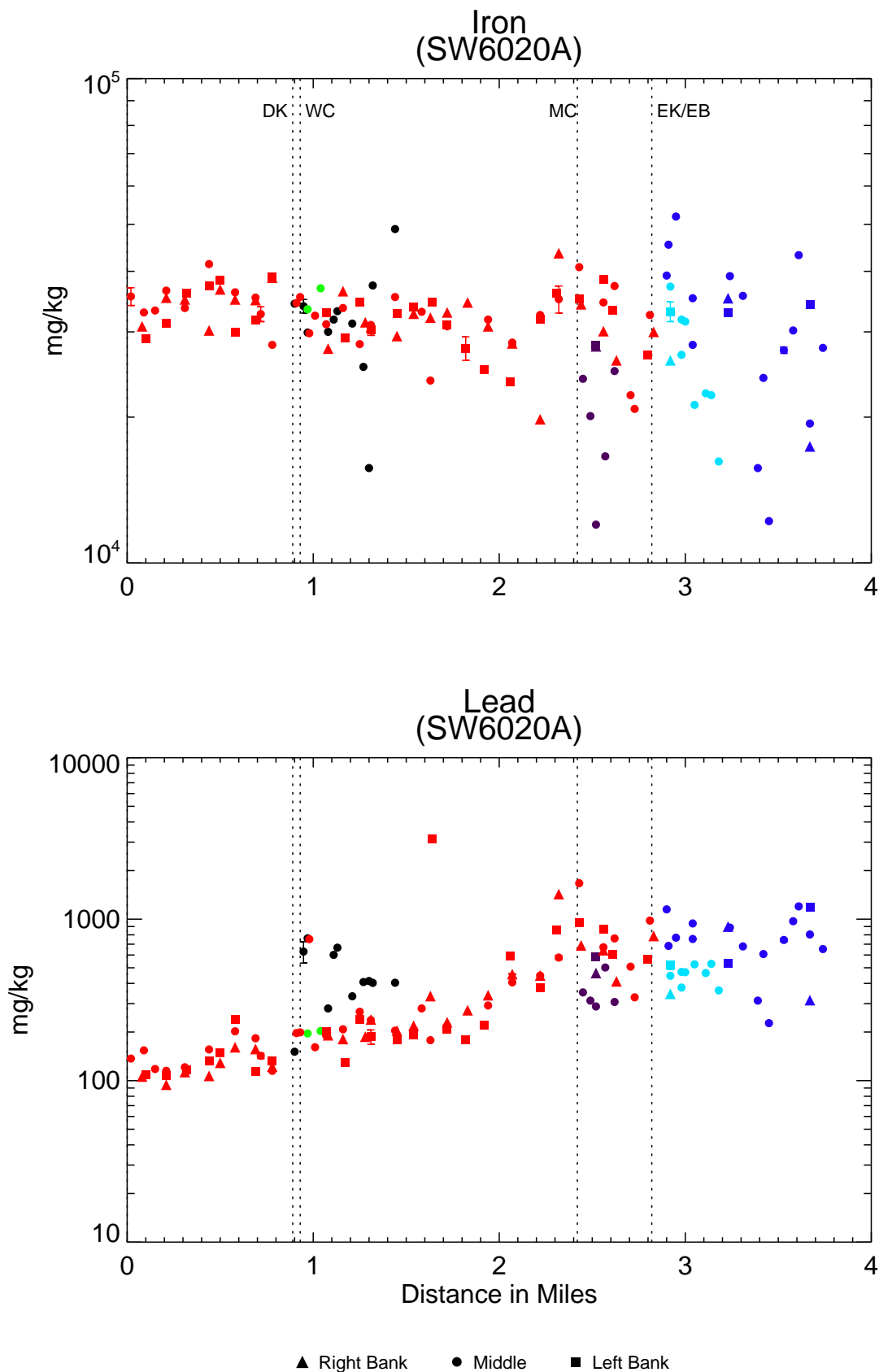
**Figure A4-5**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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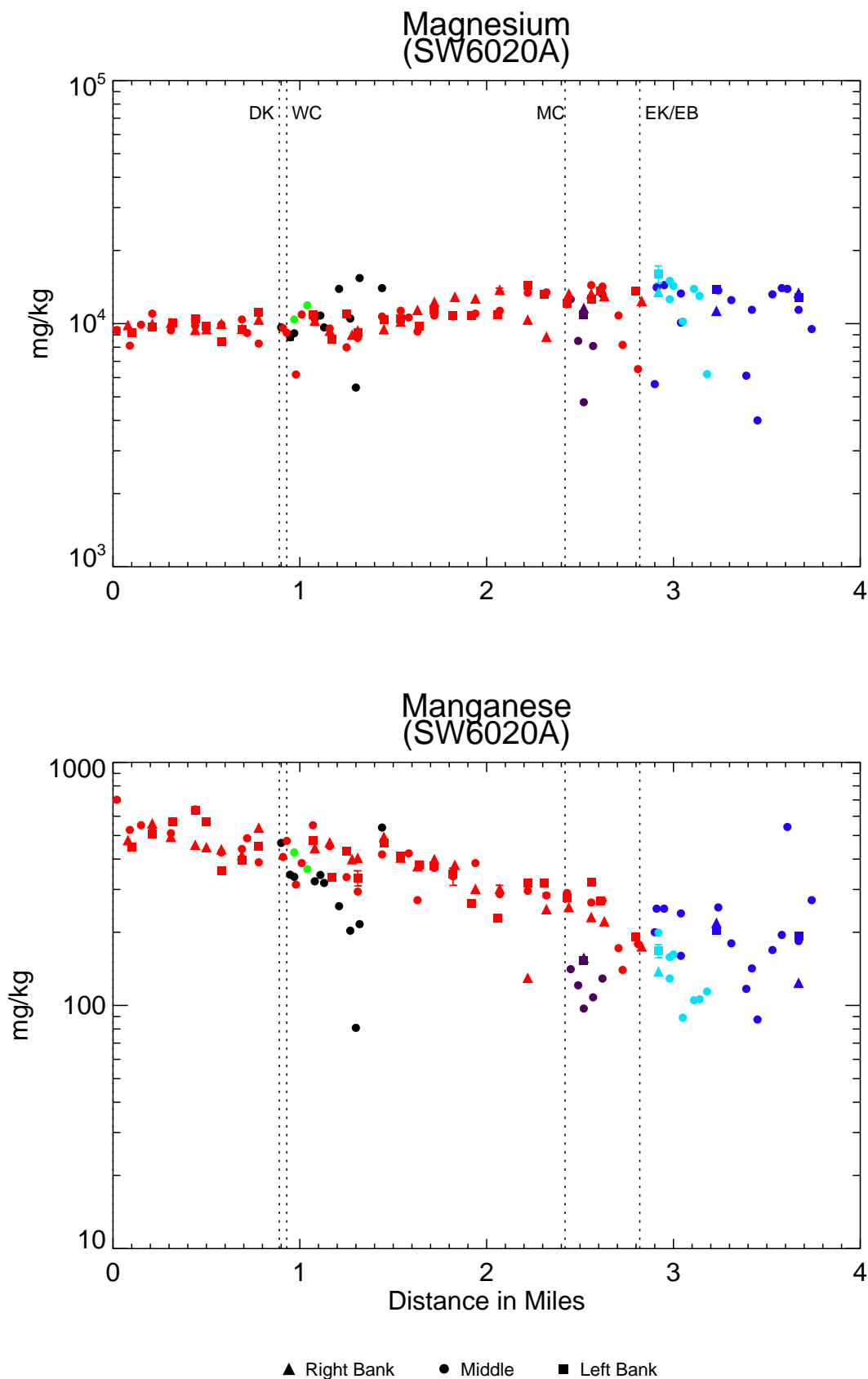
**Figure A4-6**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

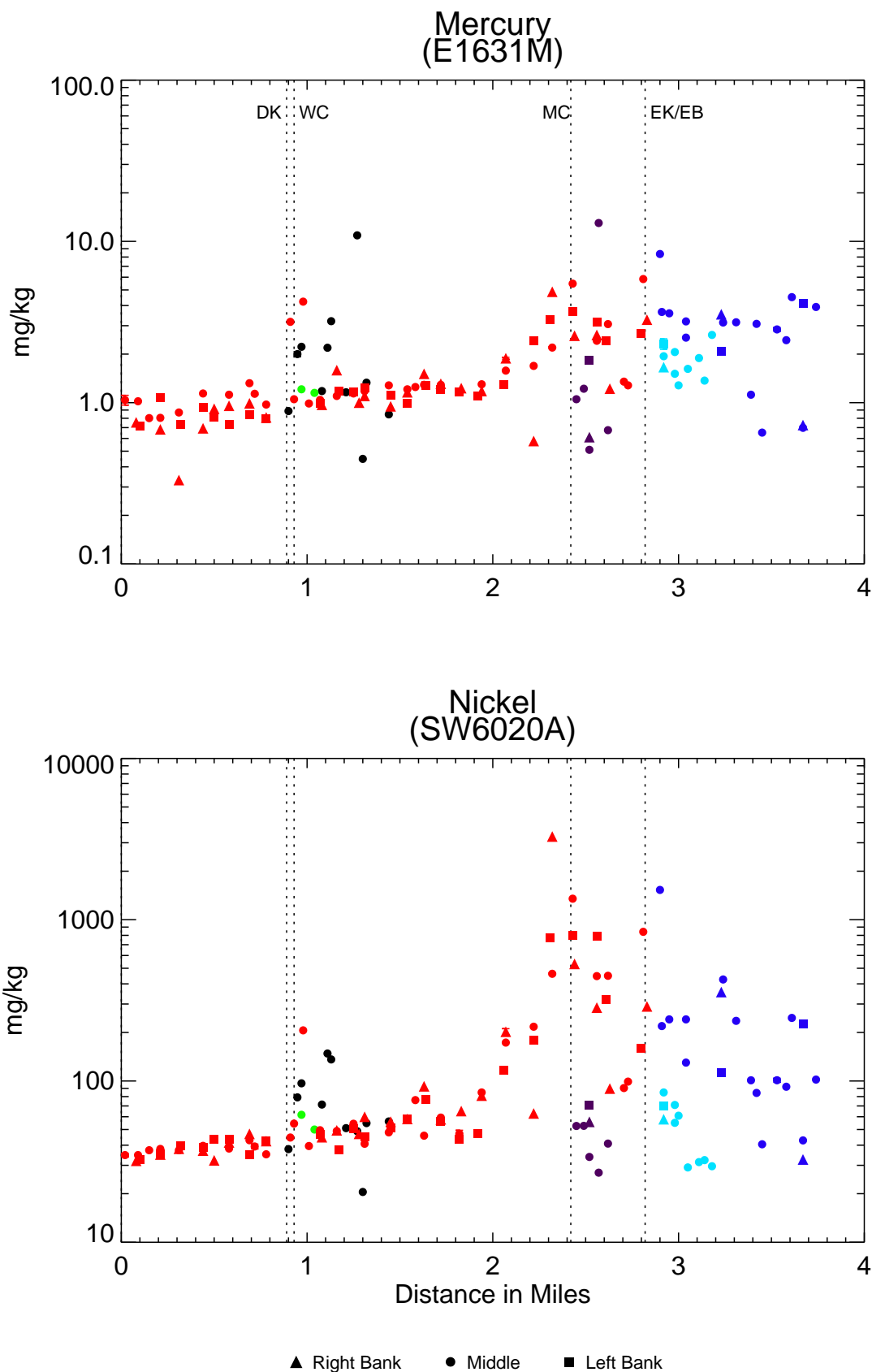
**Figure A4-7**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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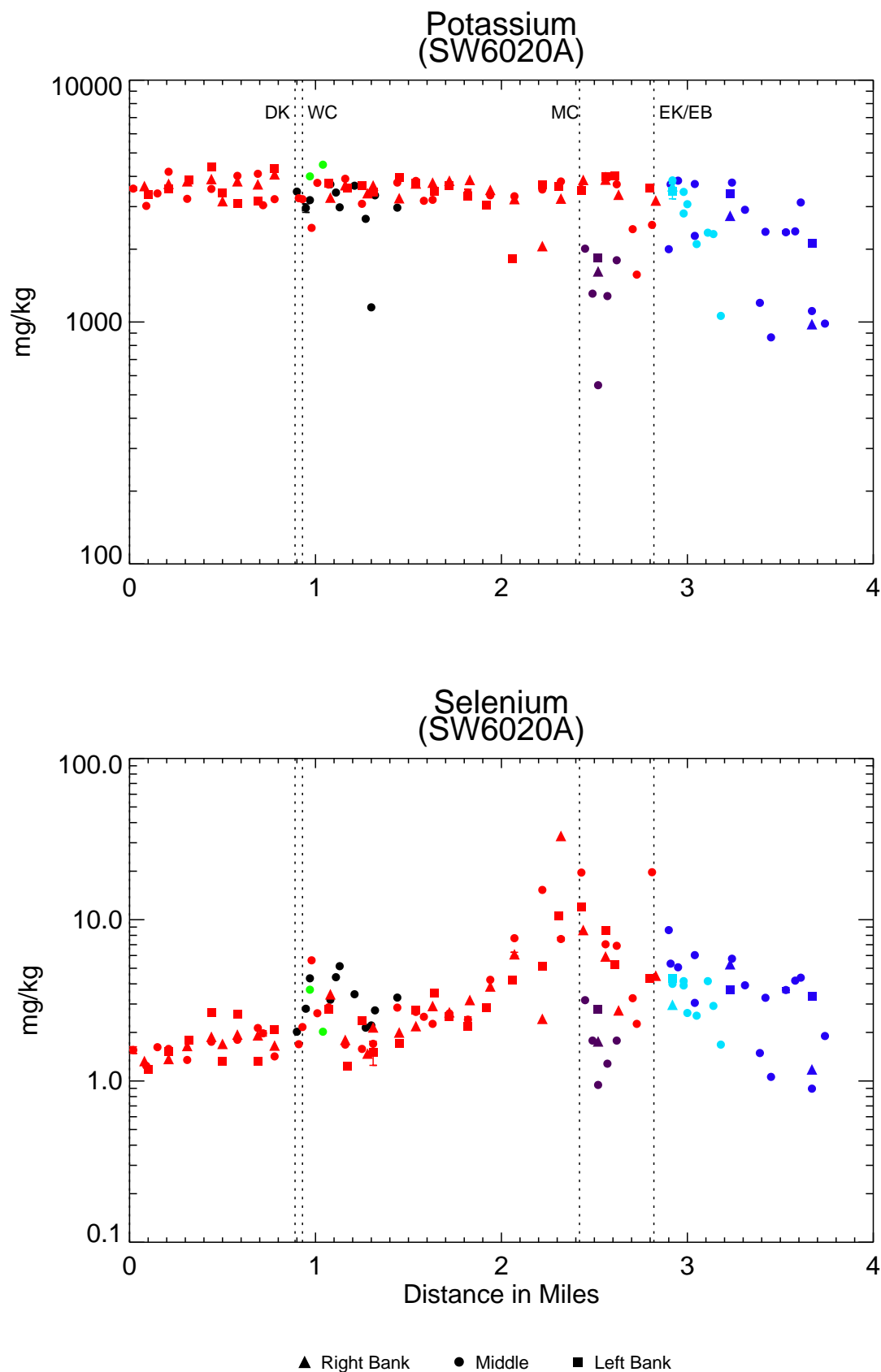
**Figure A4-8**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

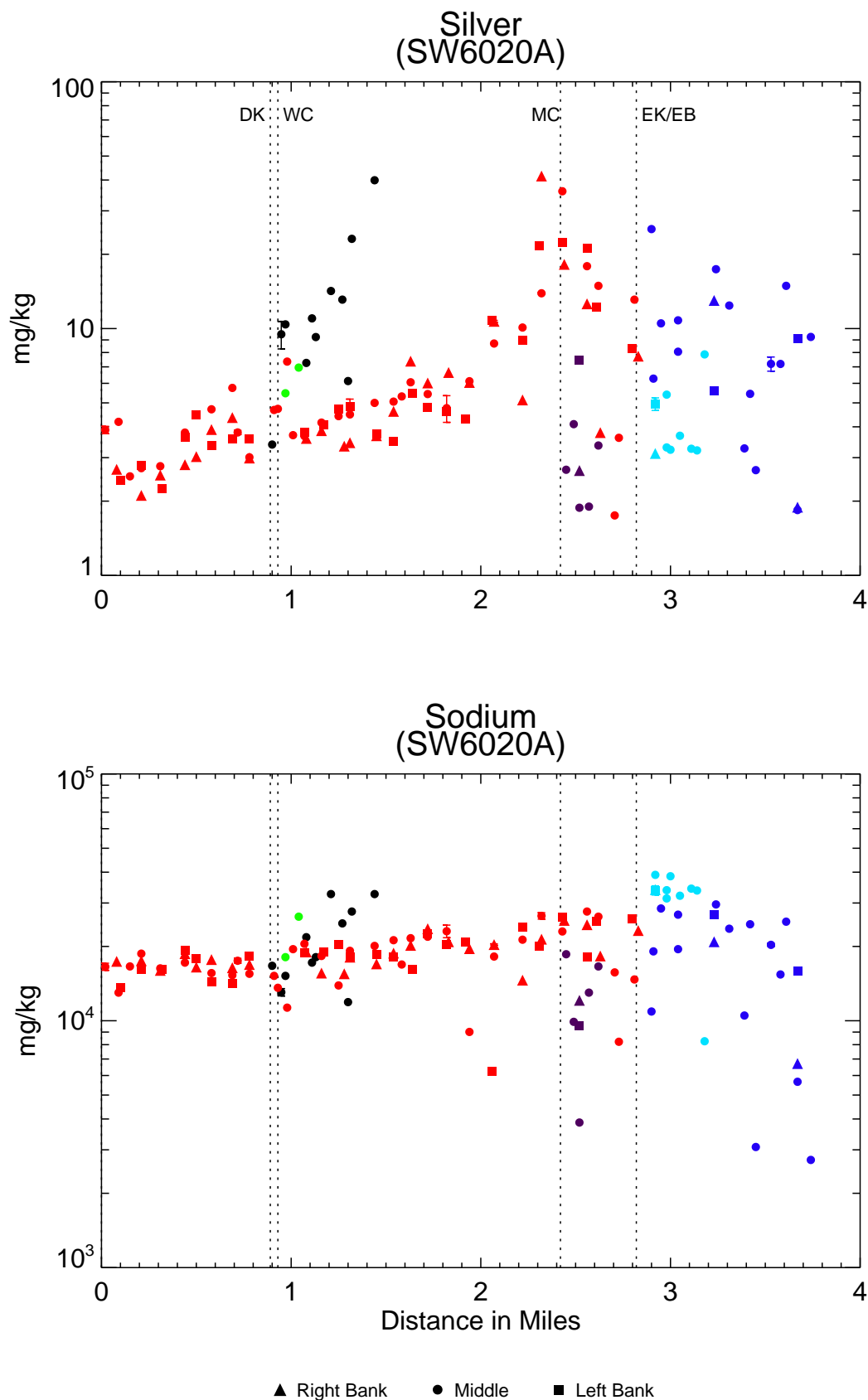
**Figure A4-9**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



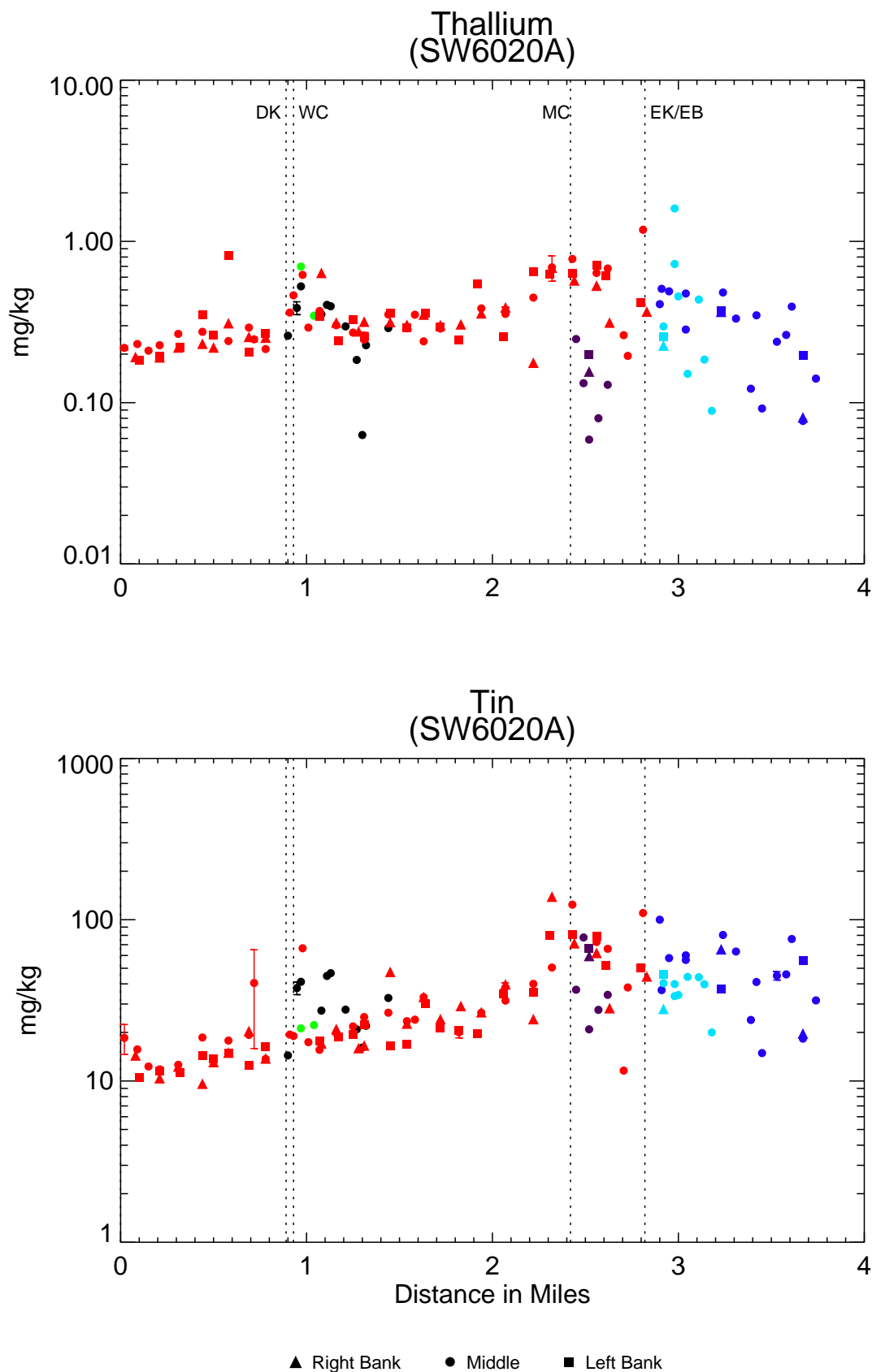
- Newtown Creek
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- English Kills (2.82 mi)
- East Branch (2.82 mi)



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Figure A4-10
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

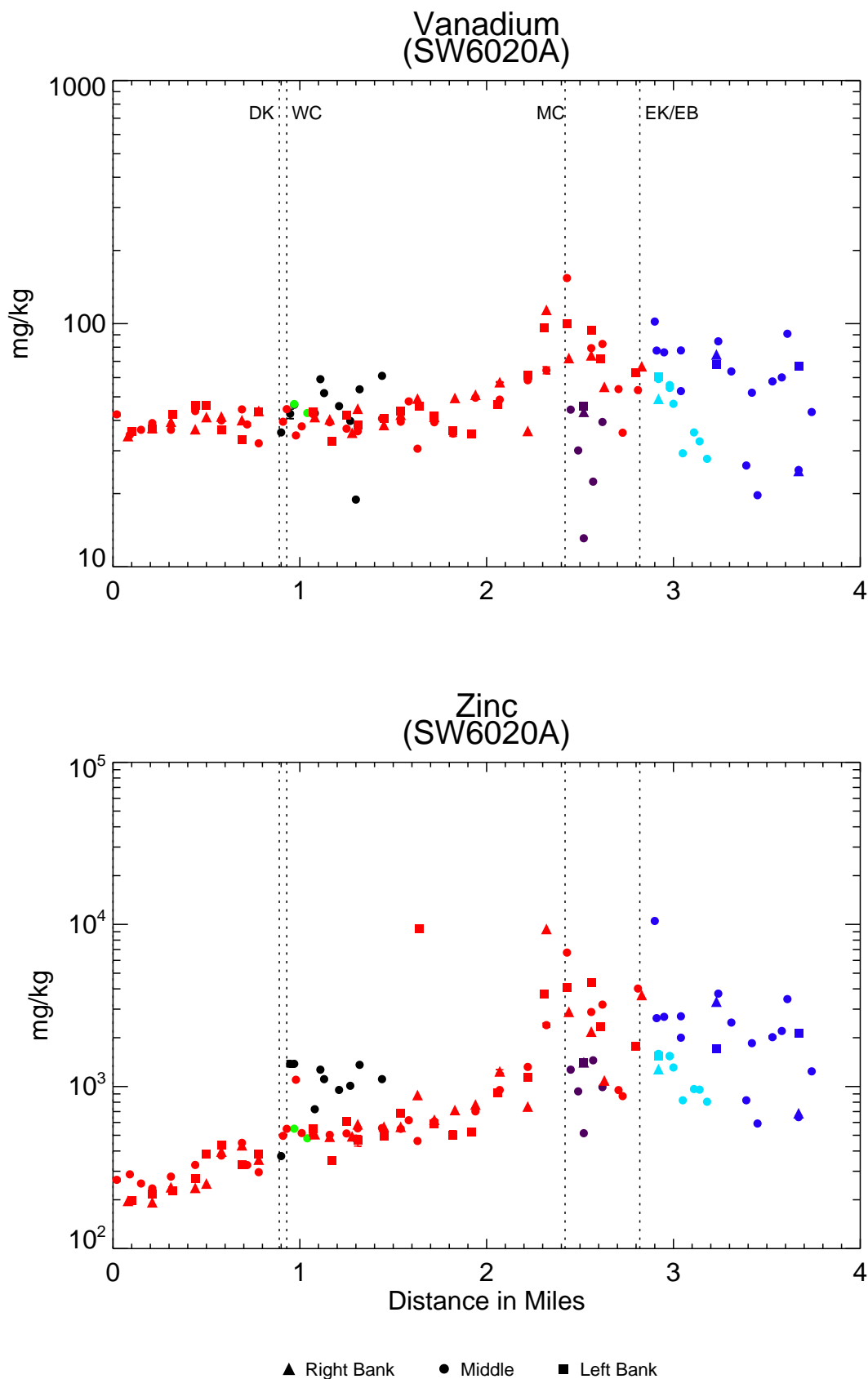
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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Figure A4-11
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

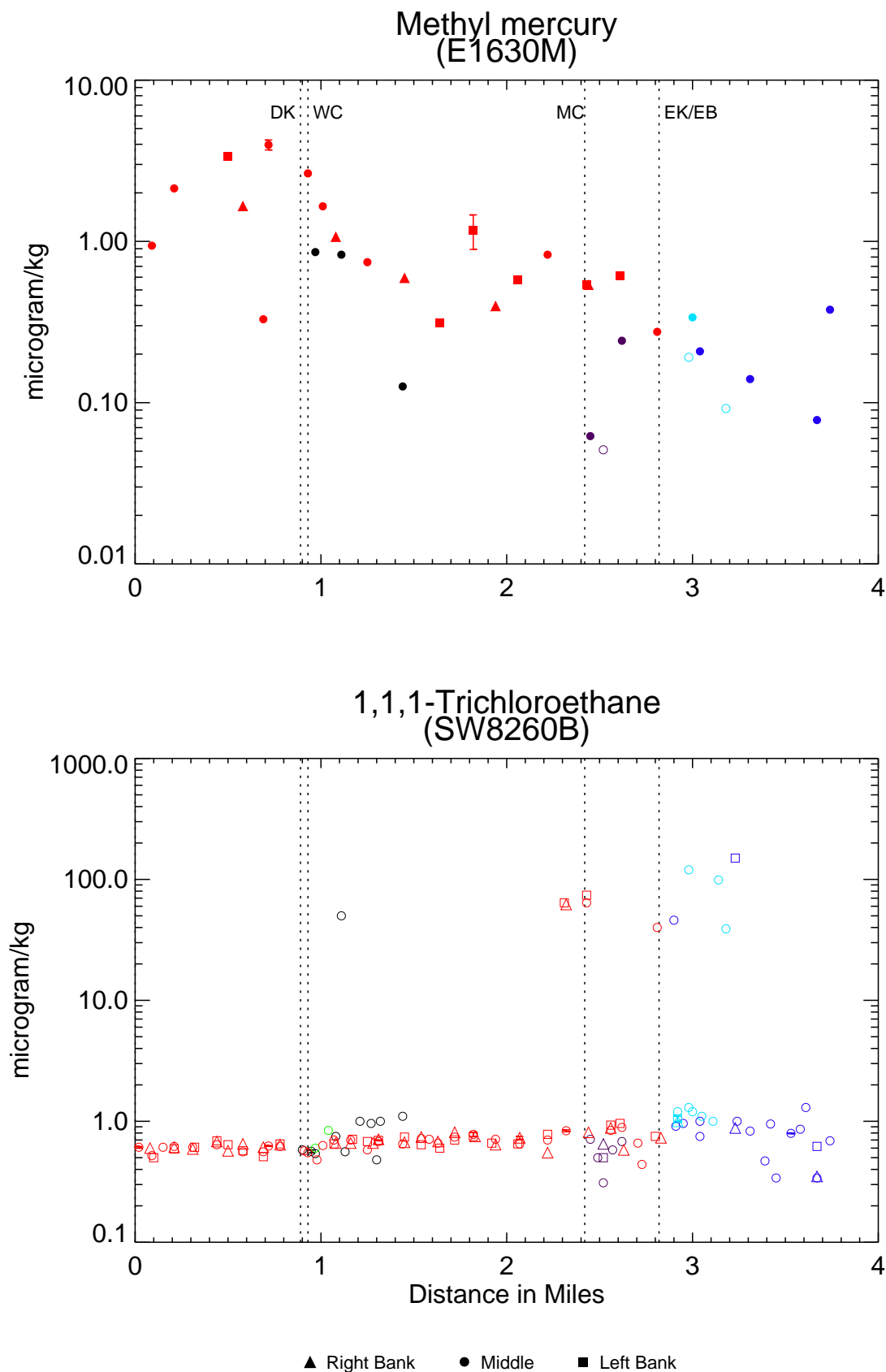
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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Figure A4-12
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

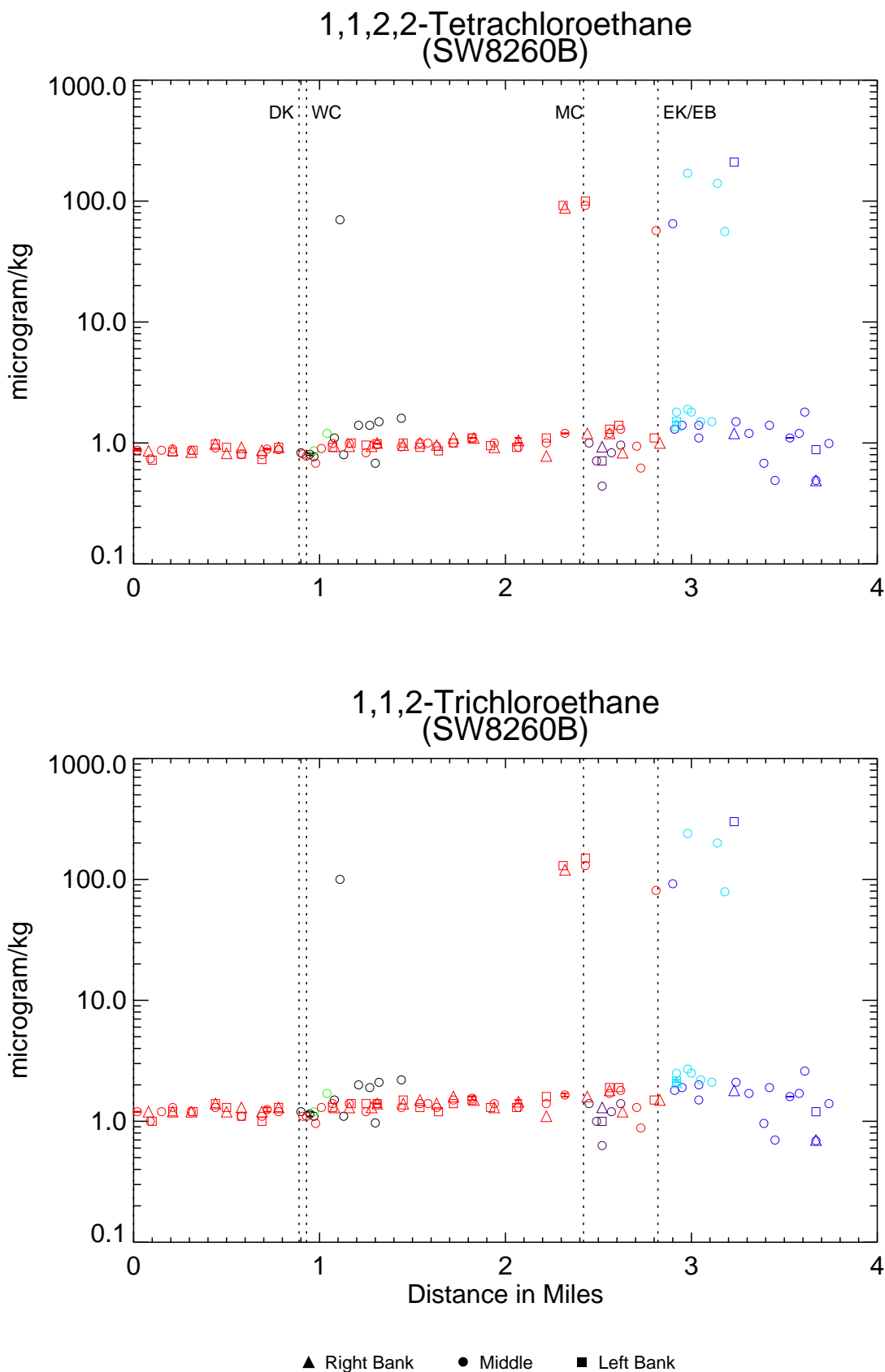
**Figure A4-13**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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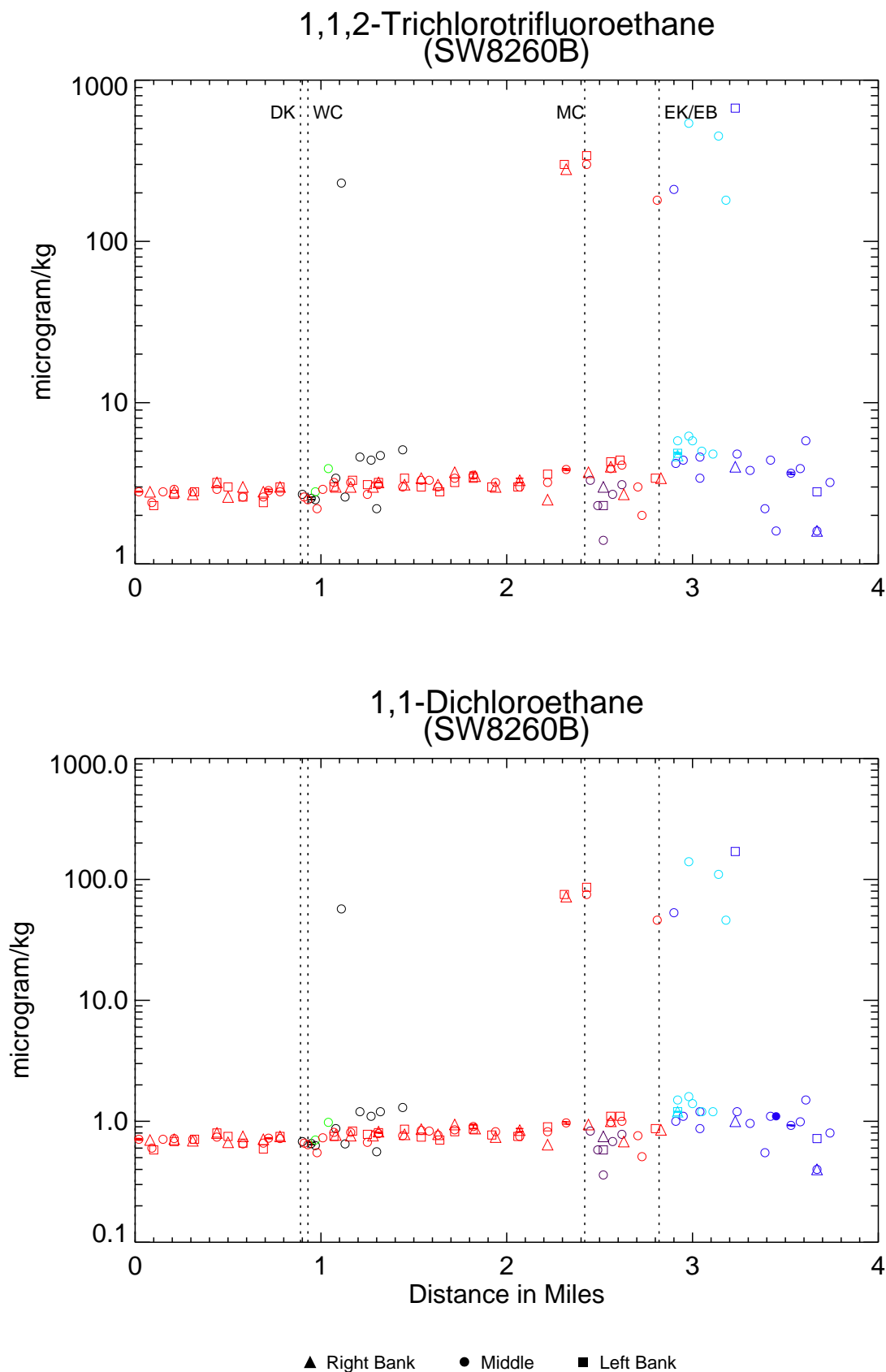
**Figure A4-14**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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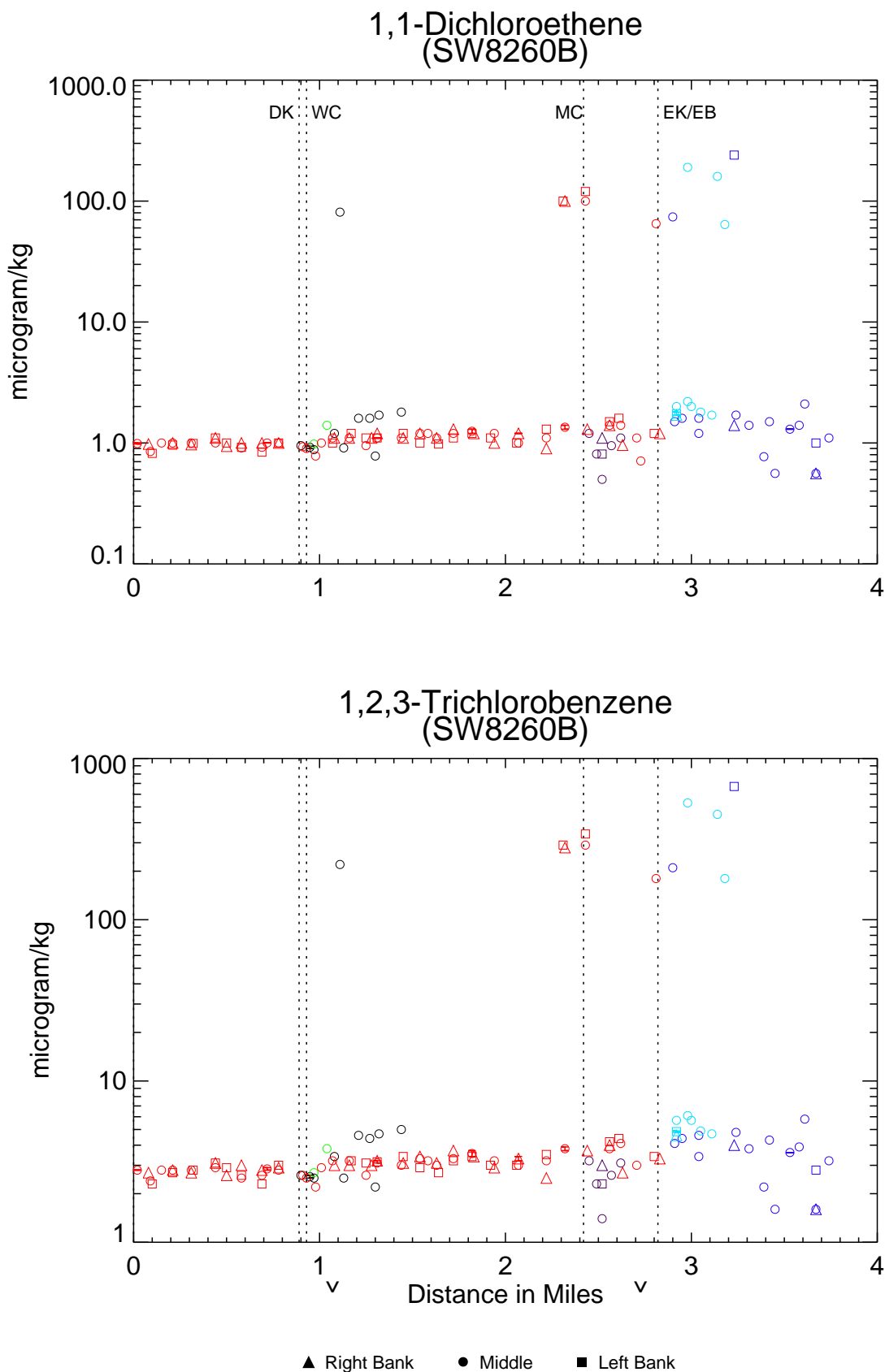
**Figure A4-15**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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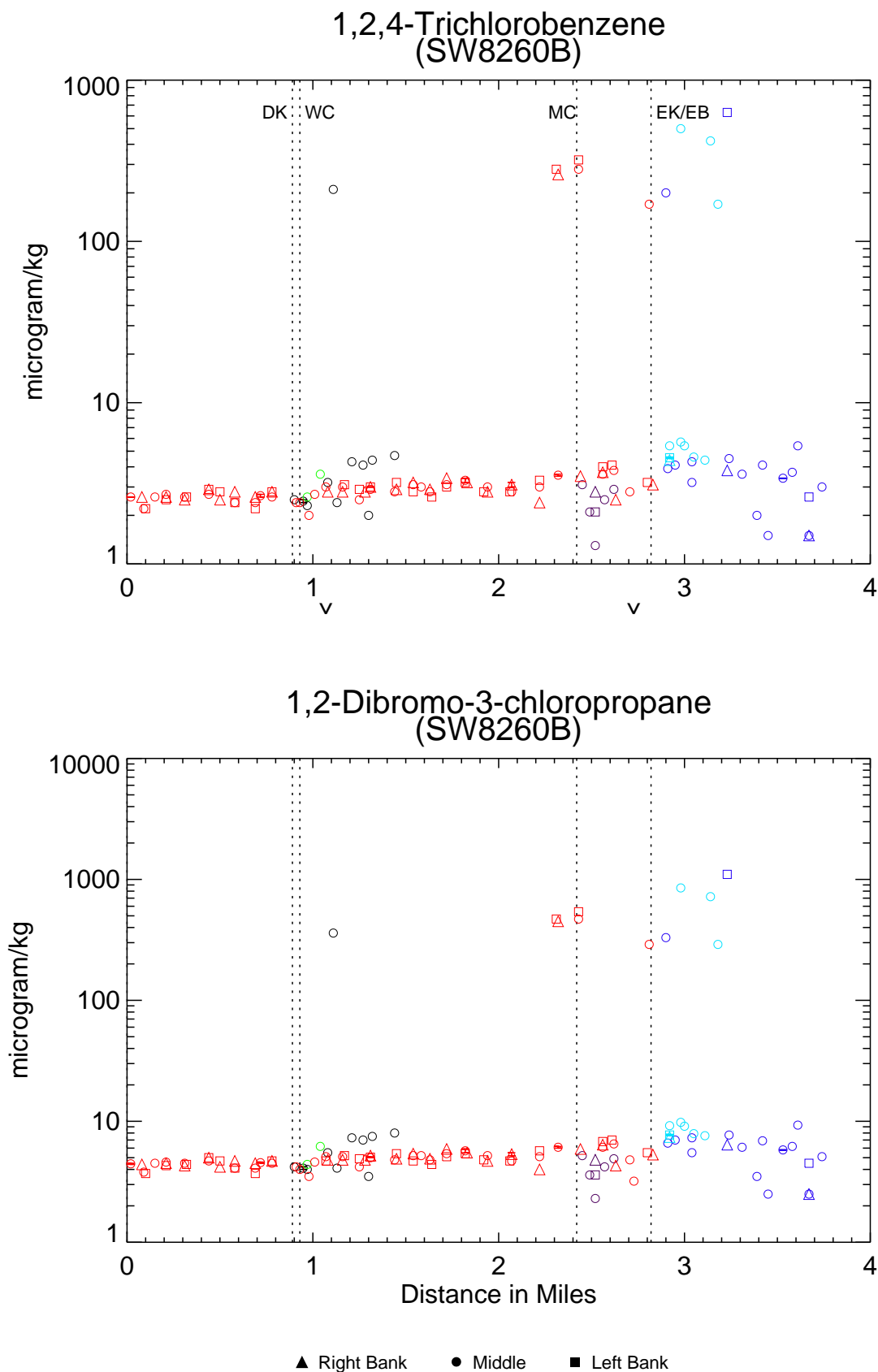
**Figure A4-16**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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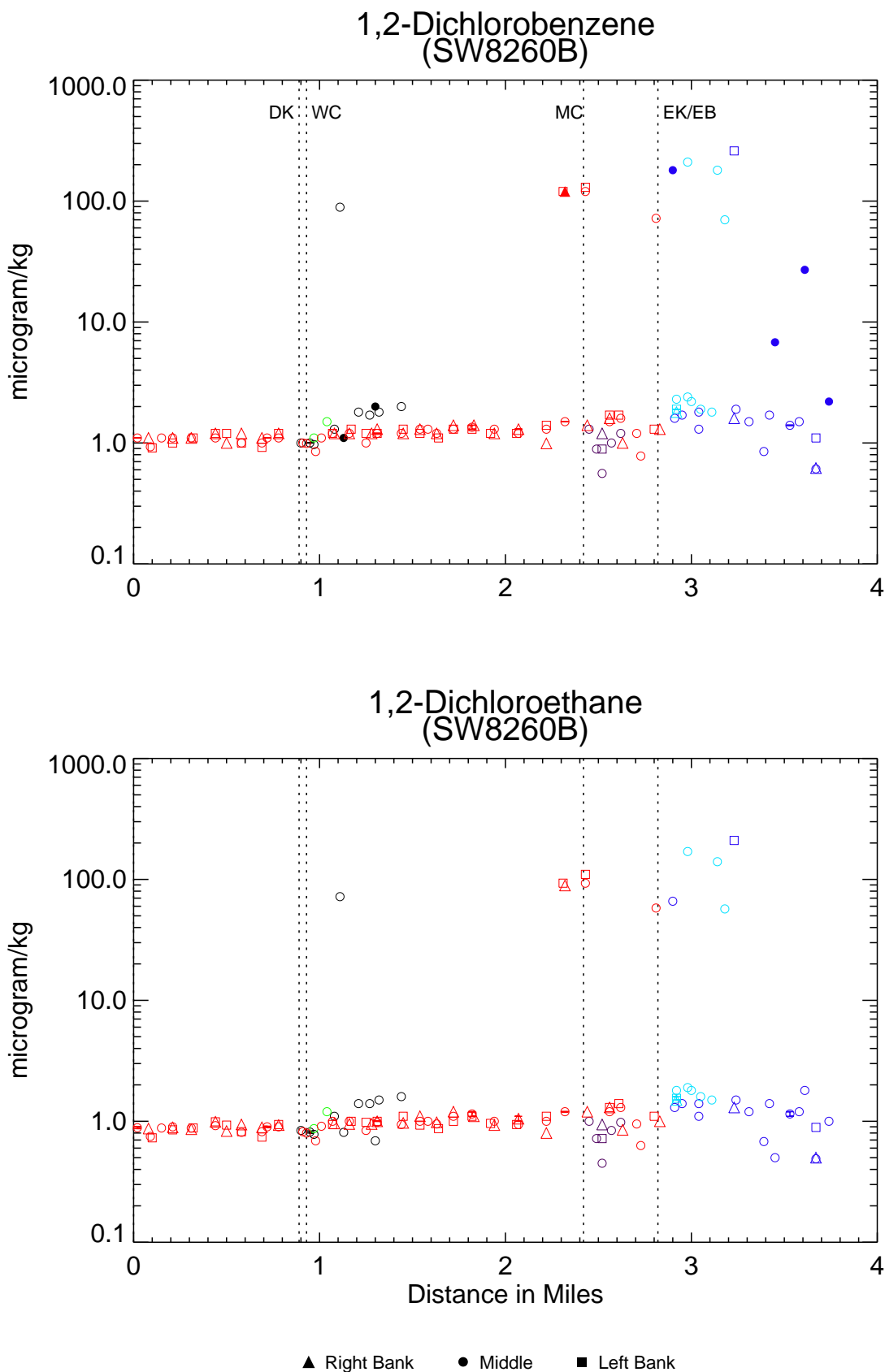
**Figure A4-17**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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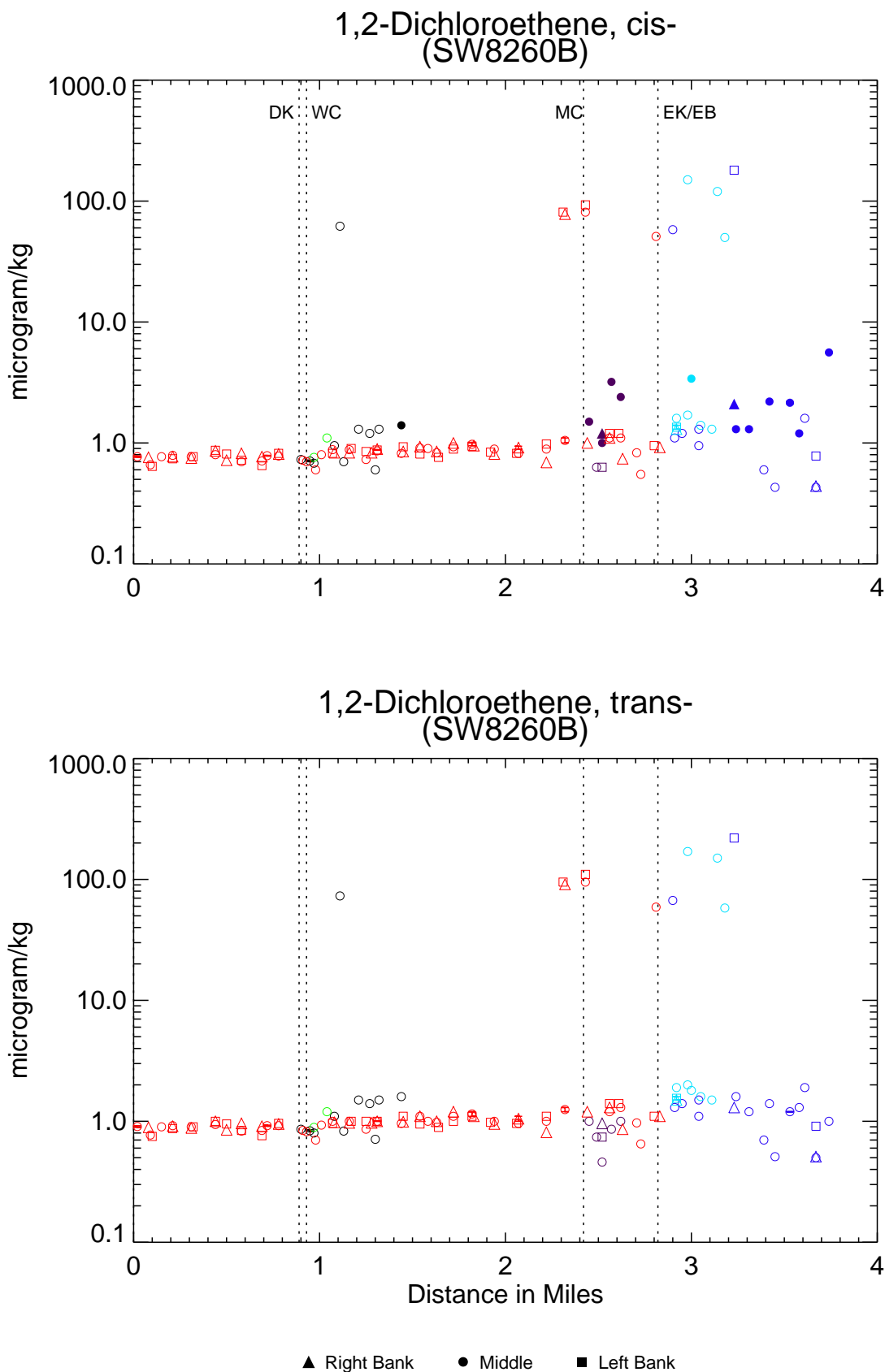
**Figure A4-18**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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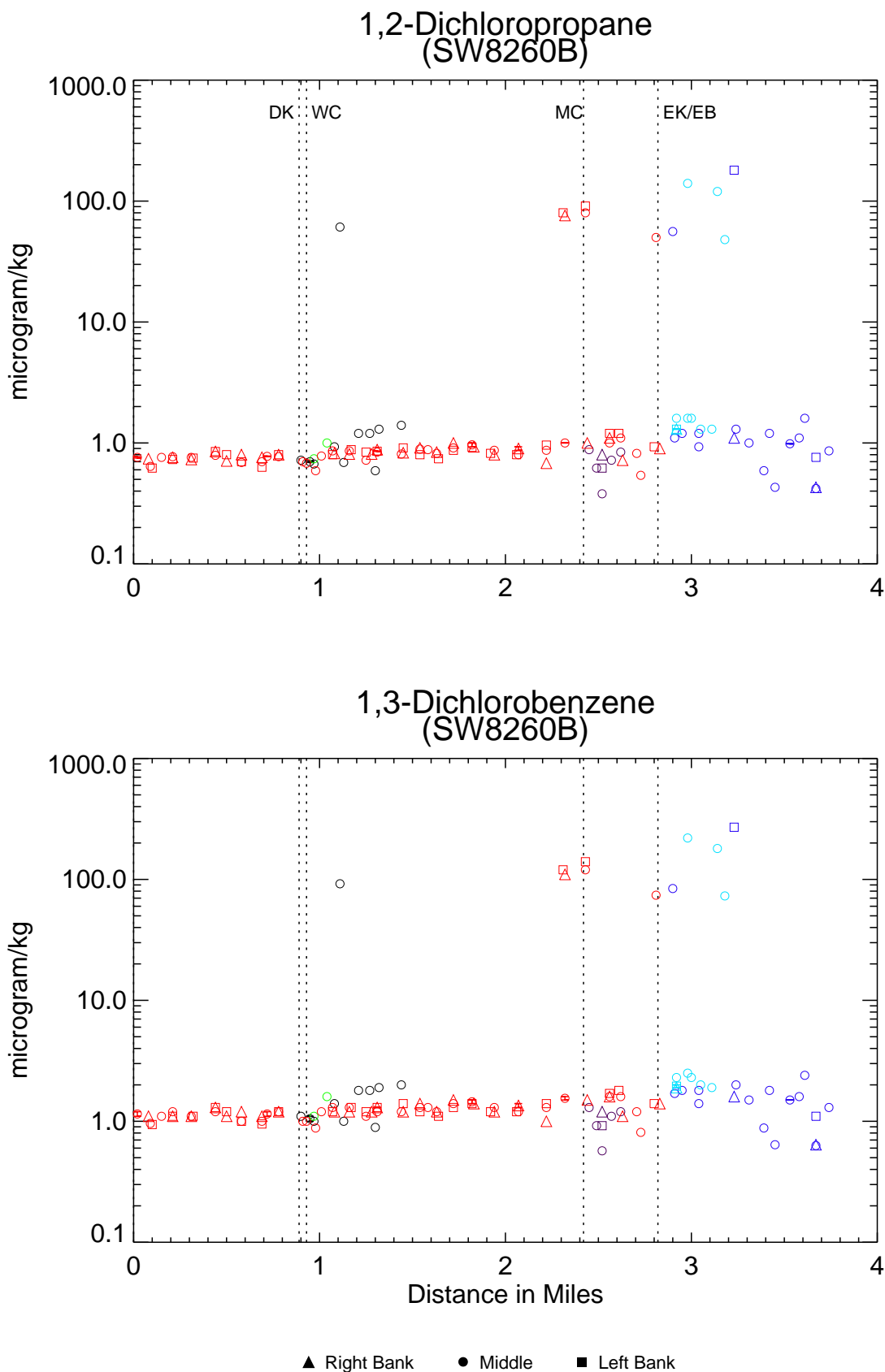
**Figure A4-19**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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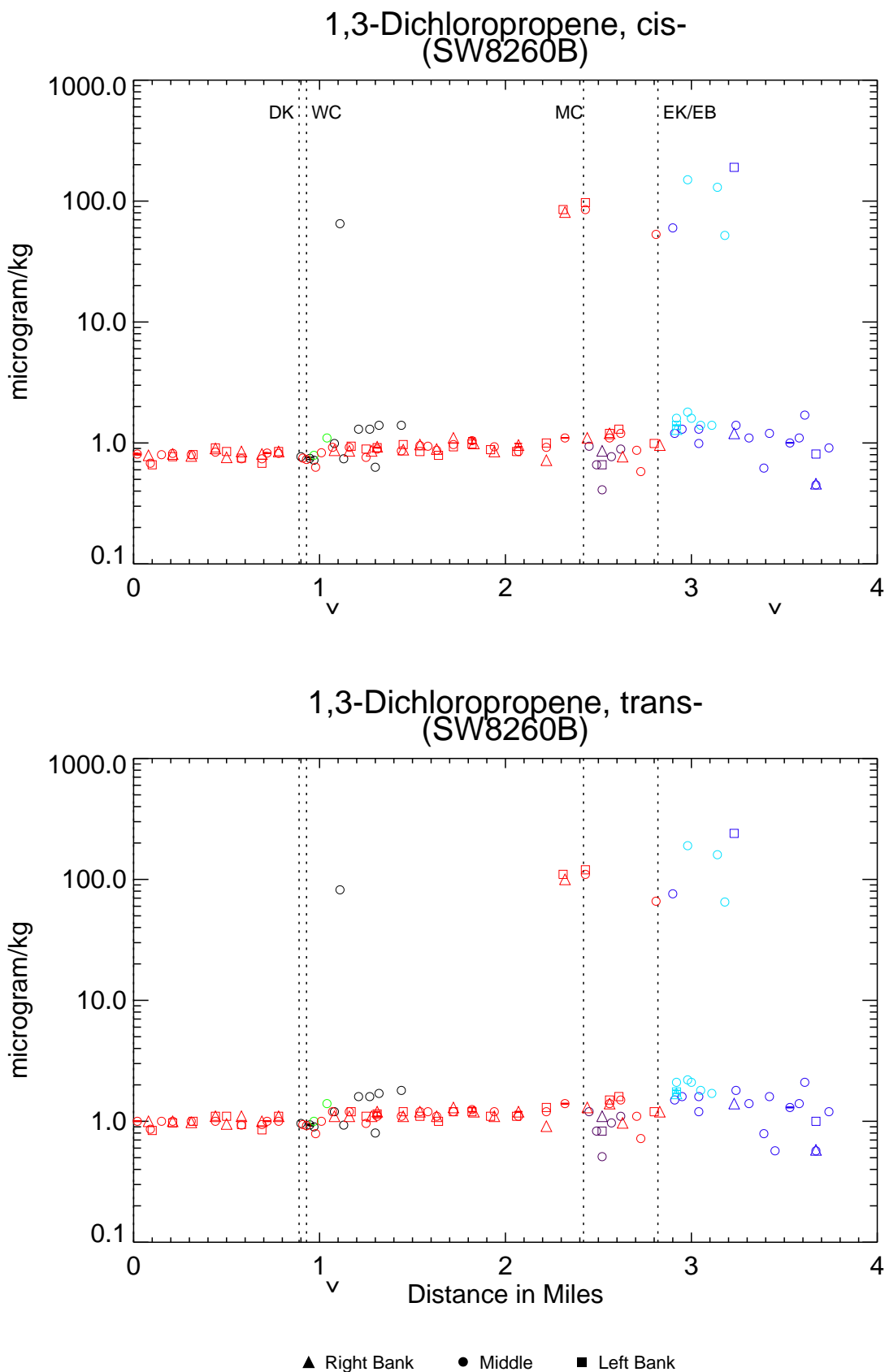
**Figure A4-20**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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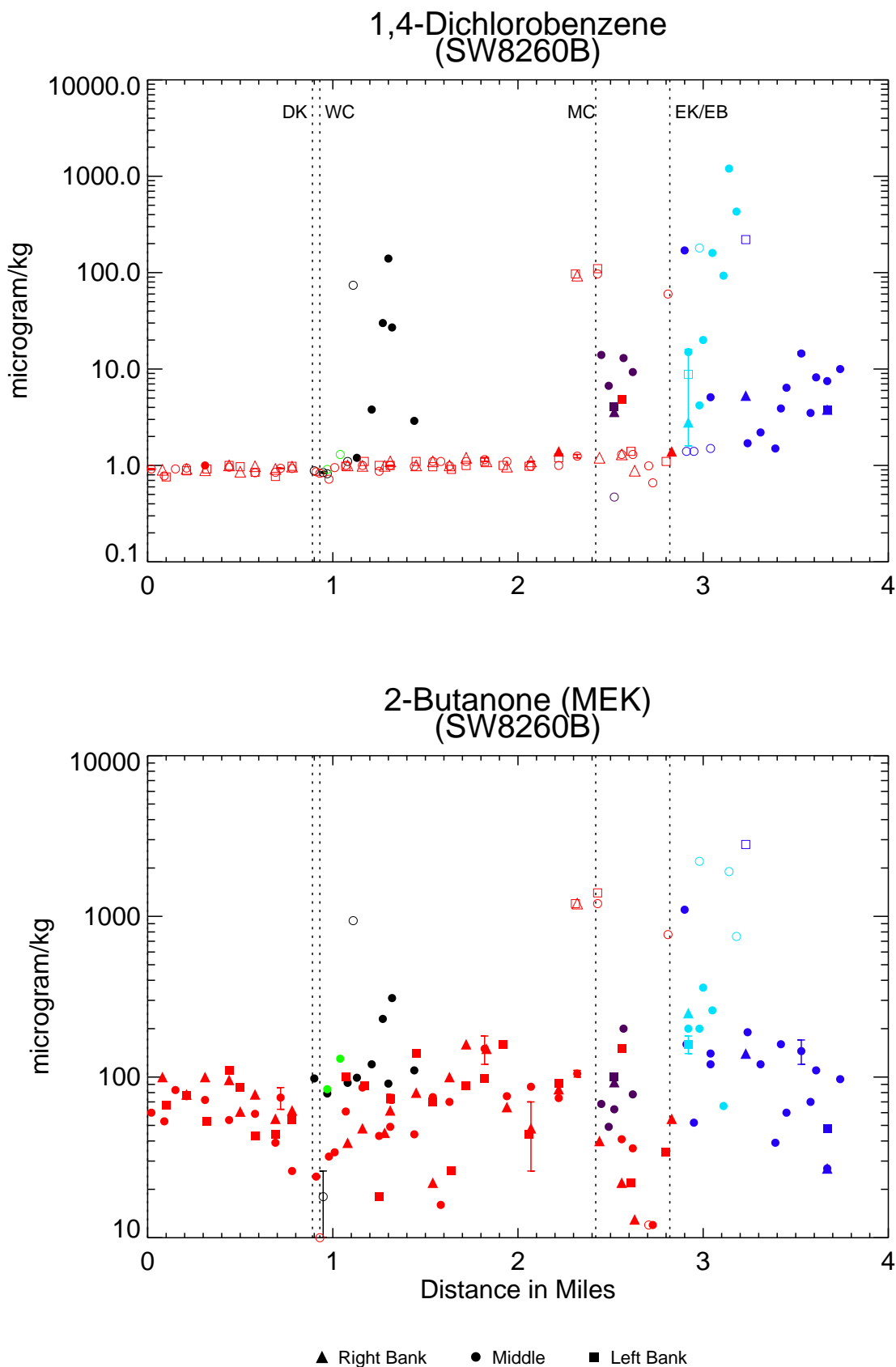
**Figure A4-21**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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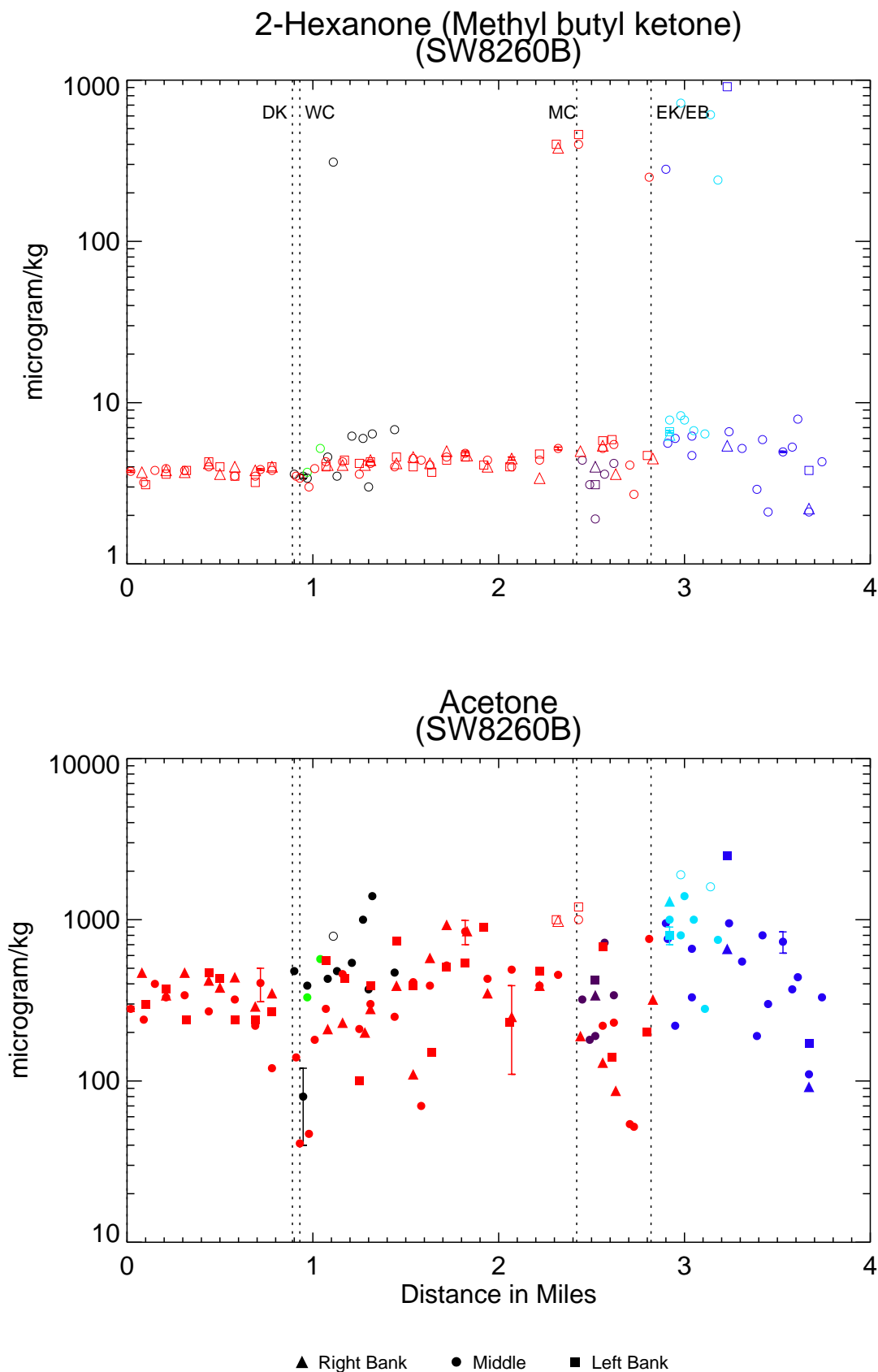
**Figure A4-22**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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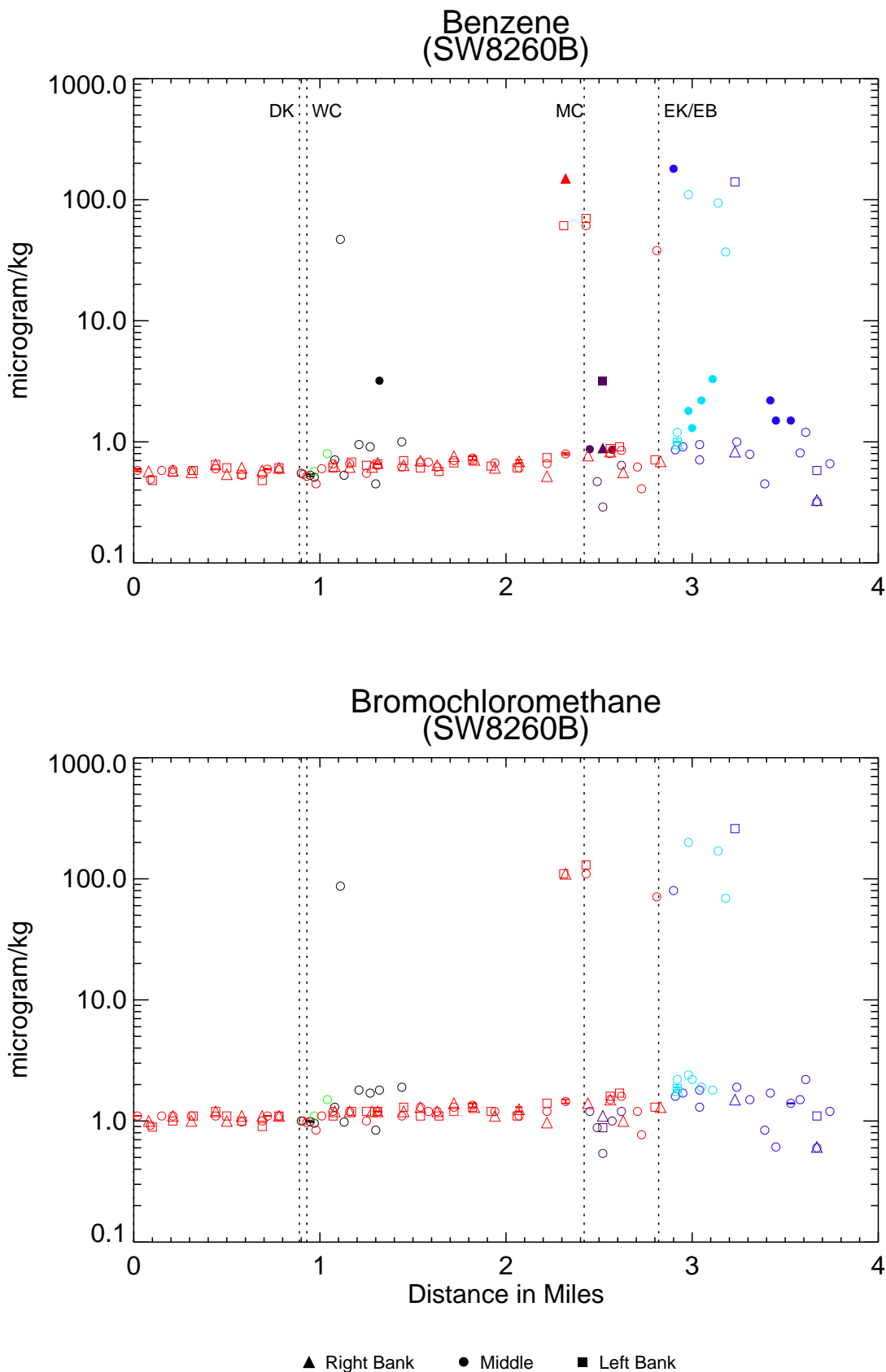
**Figure A4-23**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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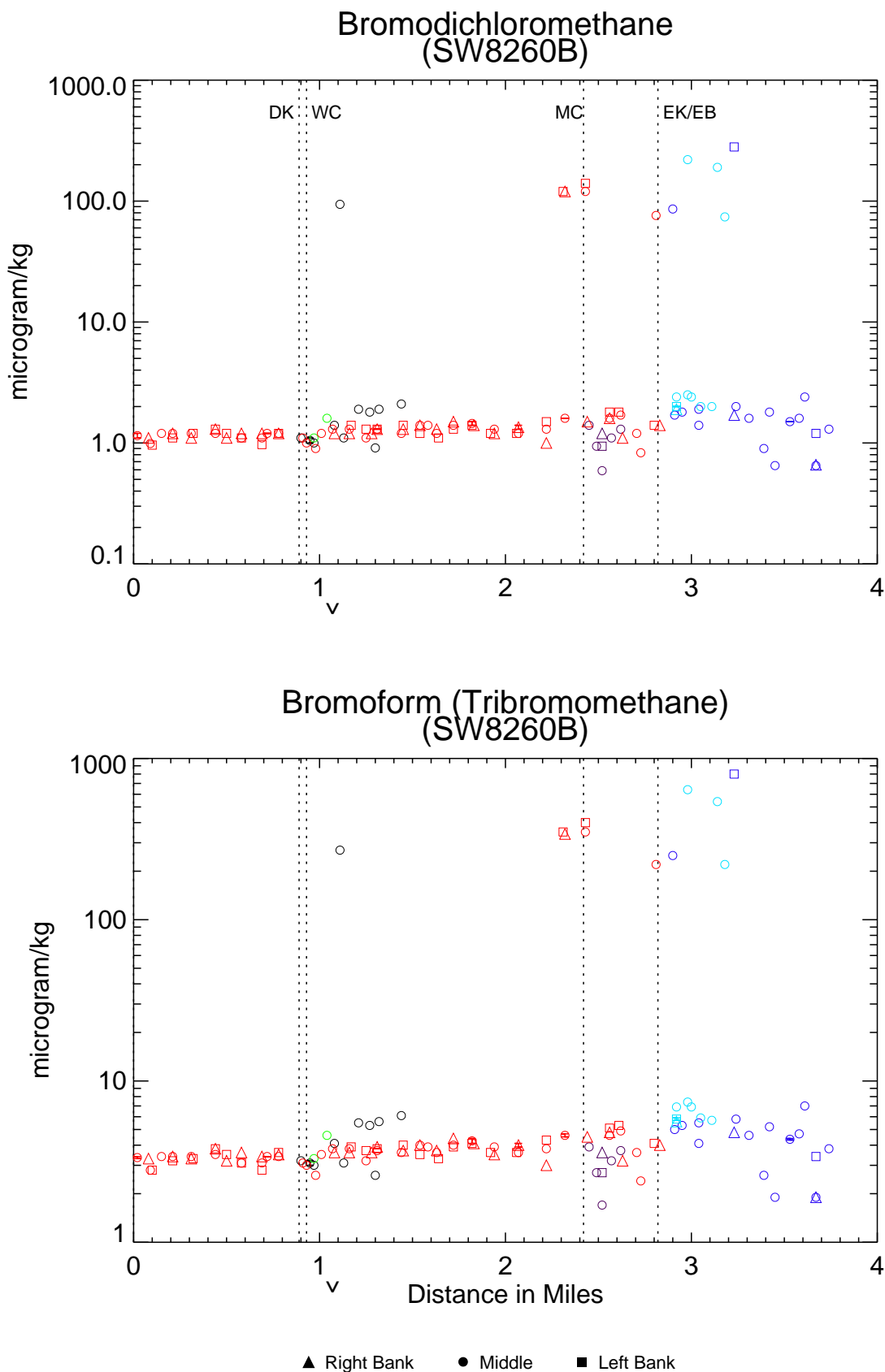
**Figure A4-24**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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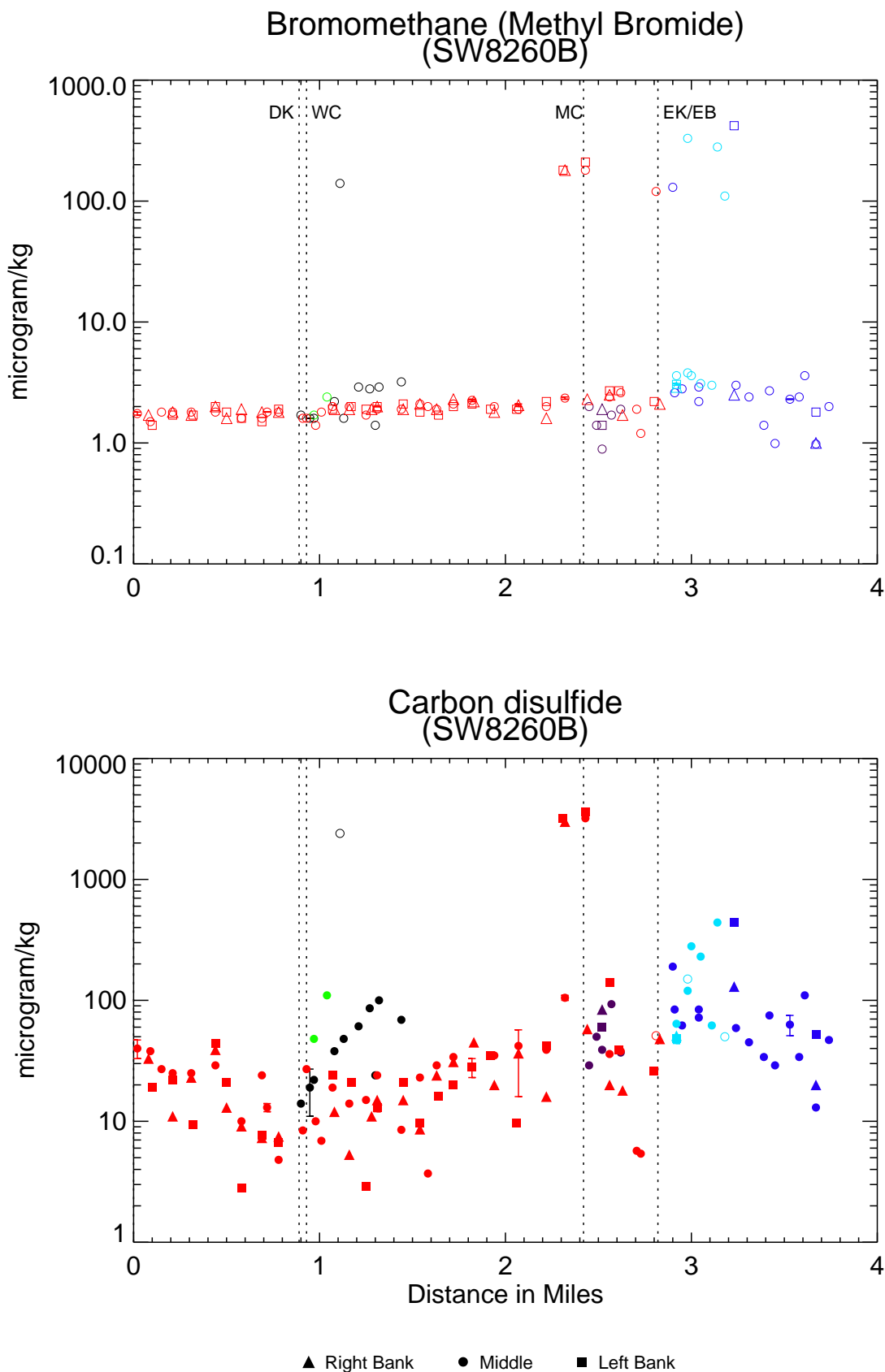
**Figure A4-25**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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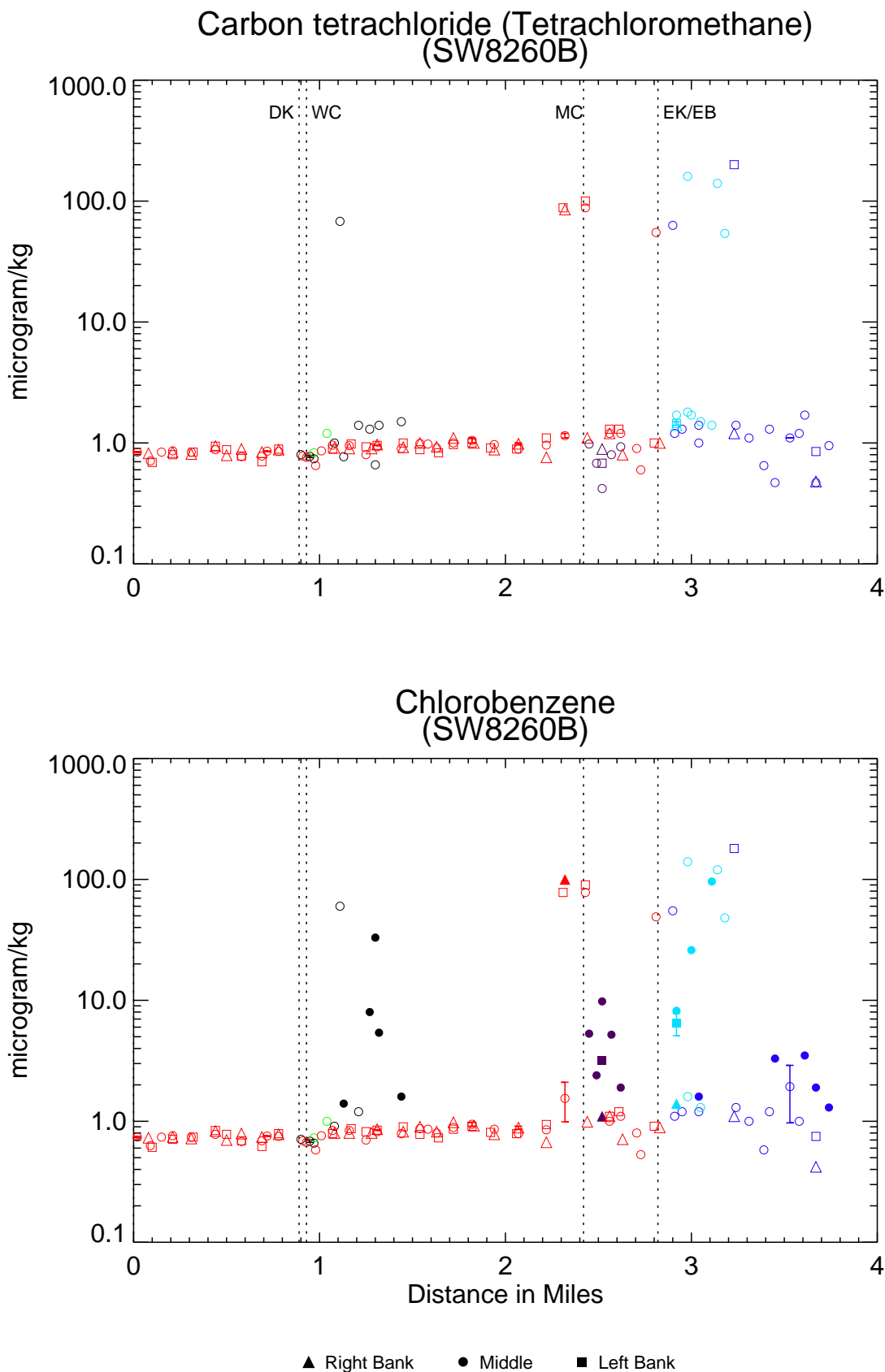
**Figure A4-26**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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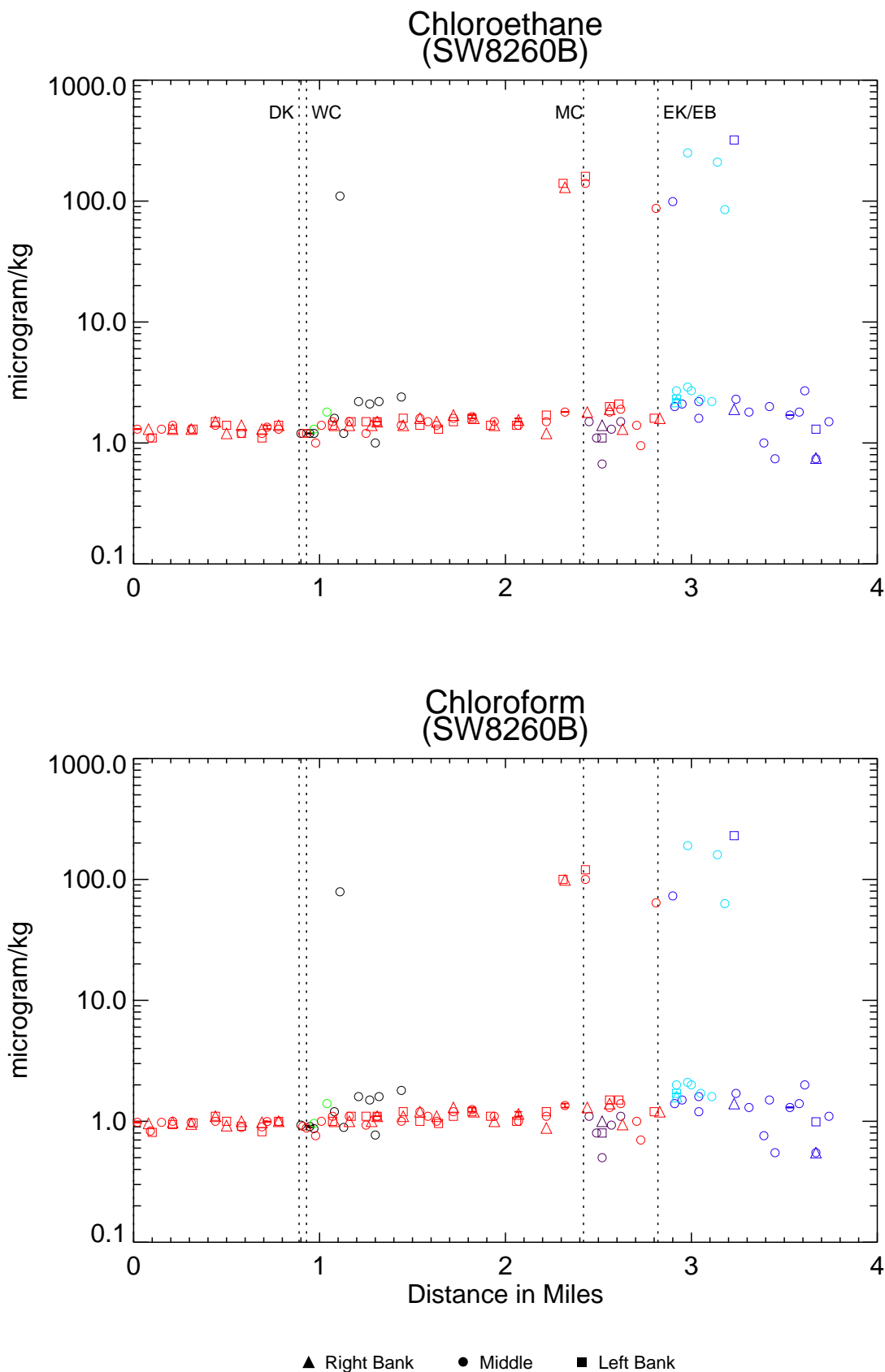
**Figure A4-27**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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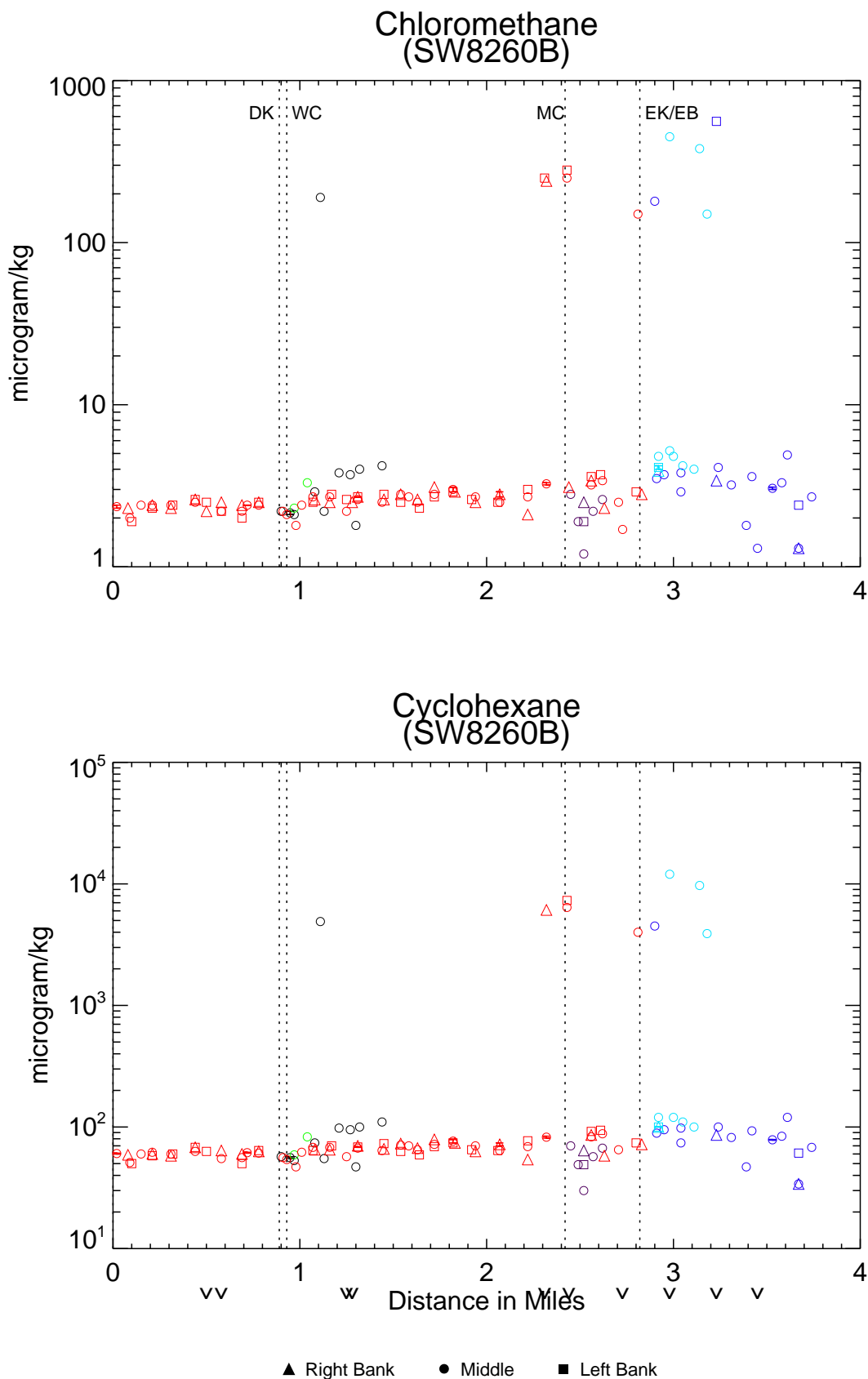
**Figure A4-28**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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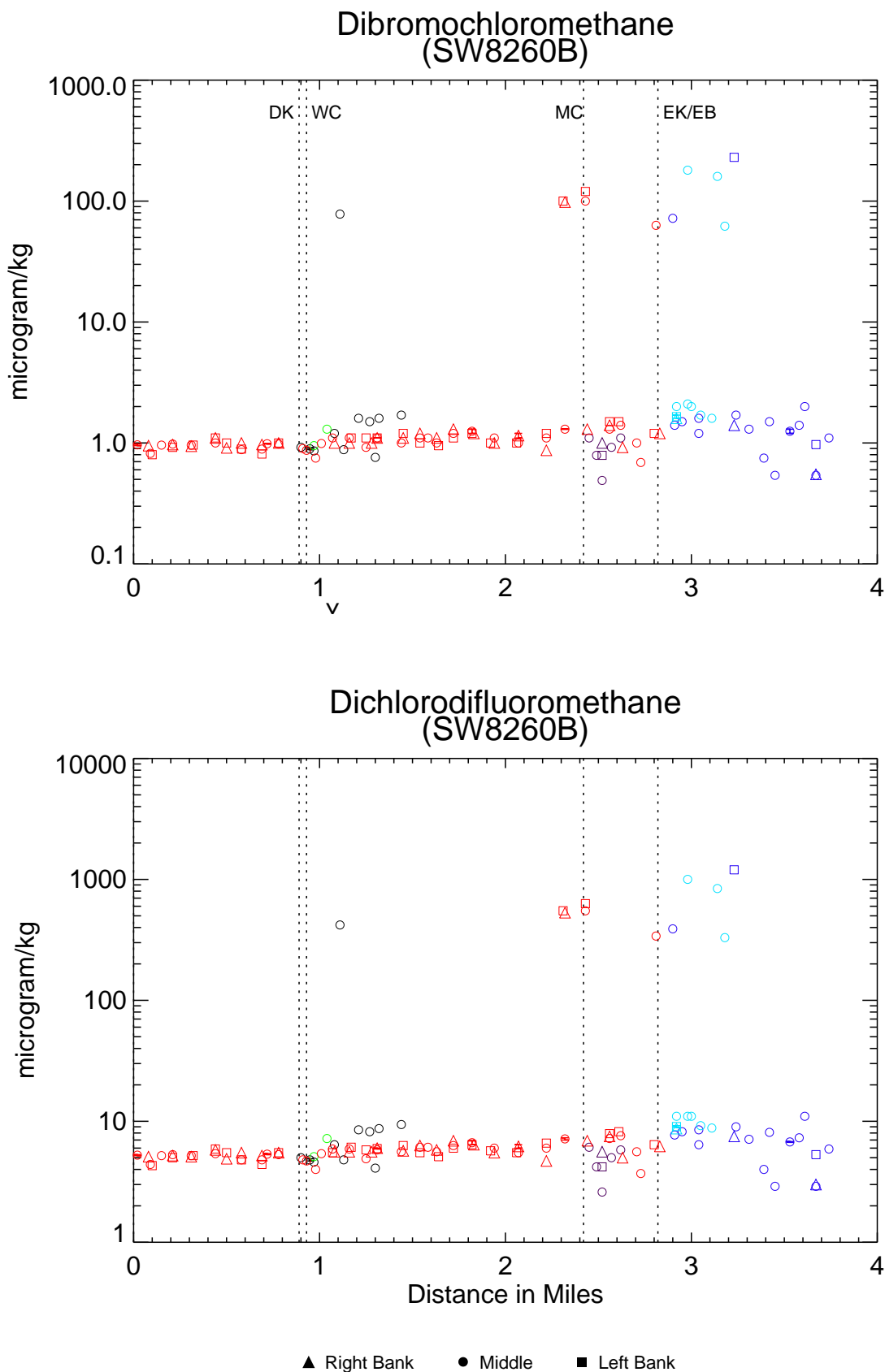
**Figure A4-29**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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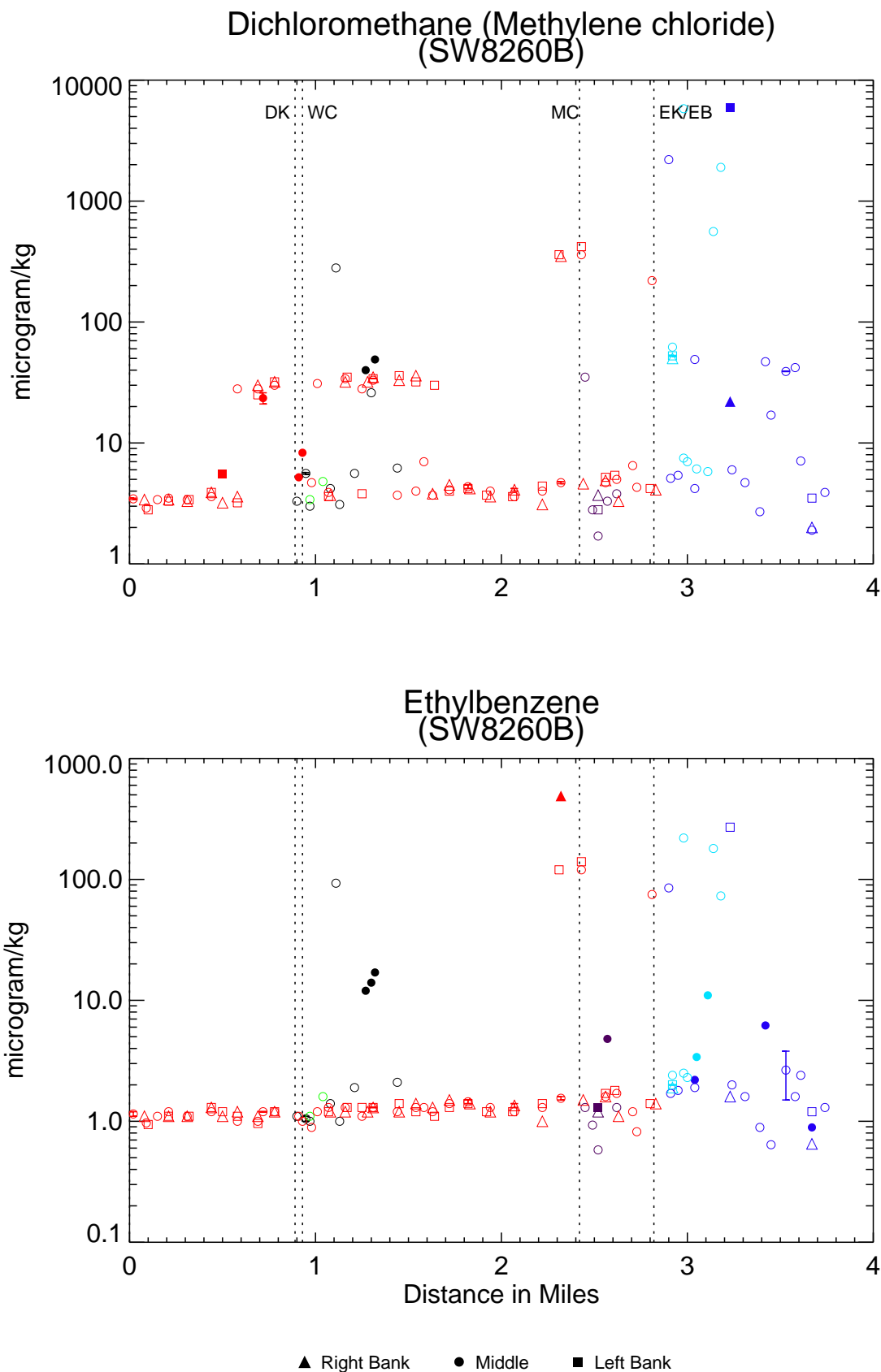
**Figure A4-30**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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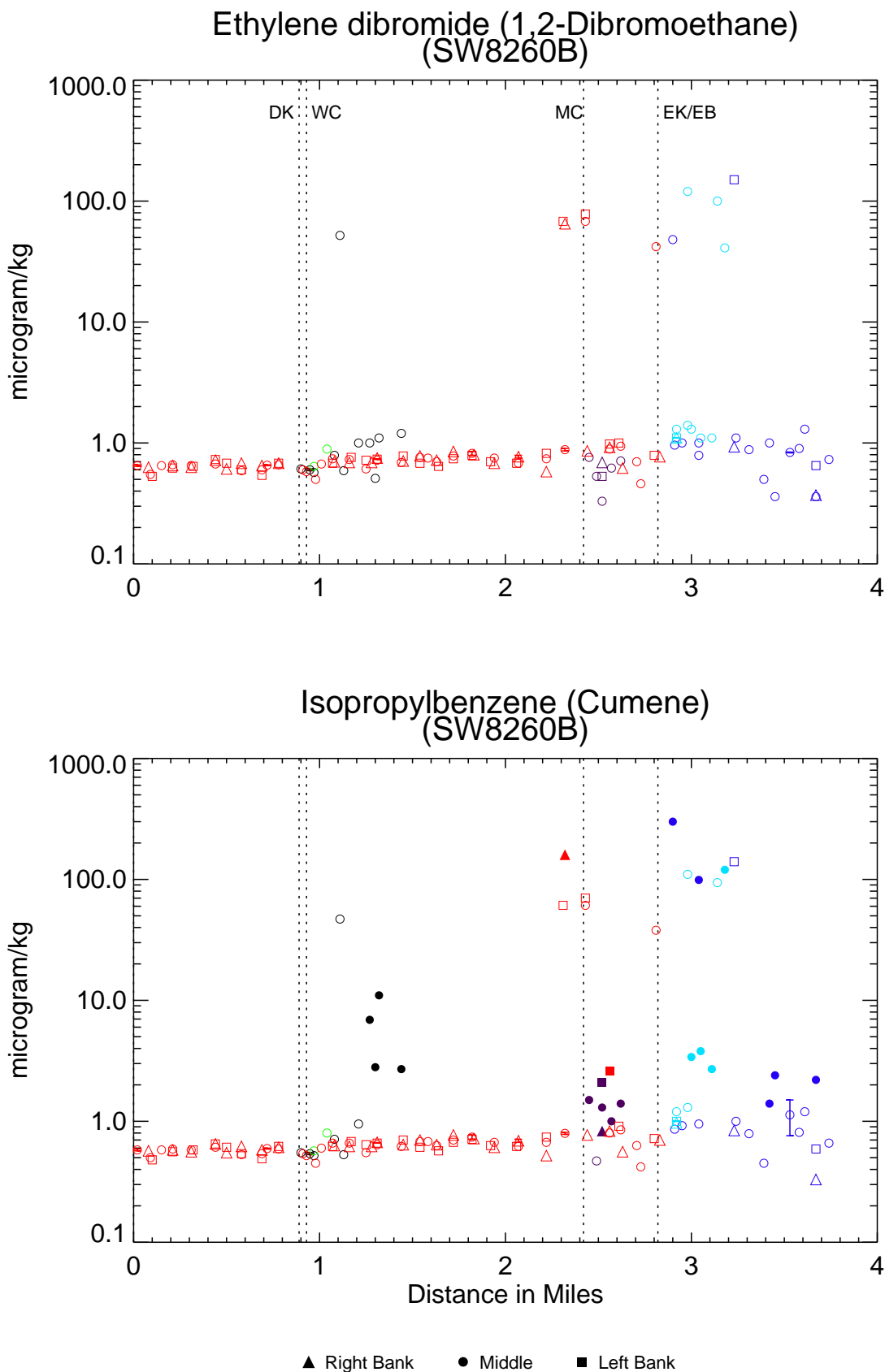
**Figure A4-31**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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- English Kills (2.82 mi)
- East Branch (2.82 mi)

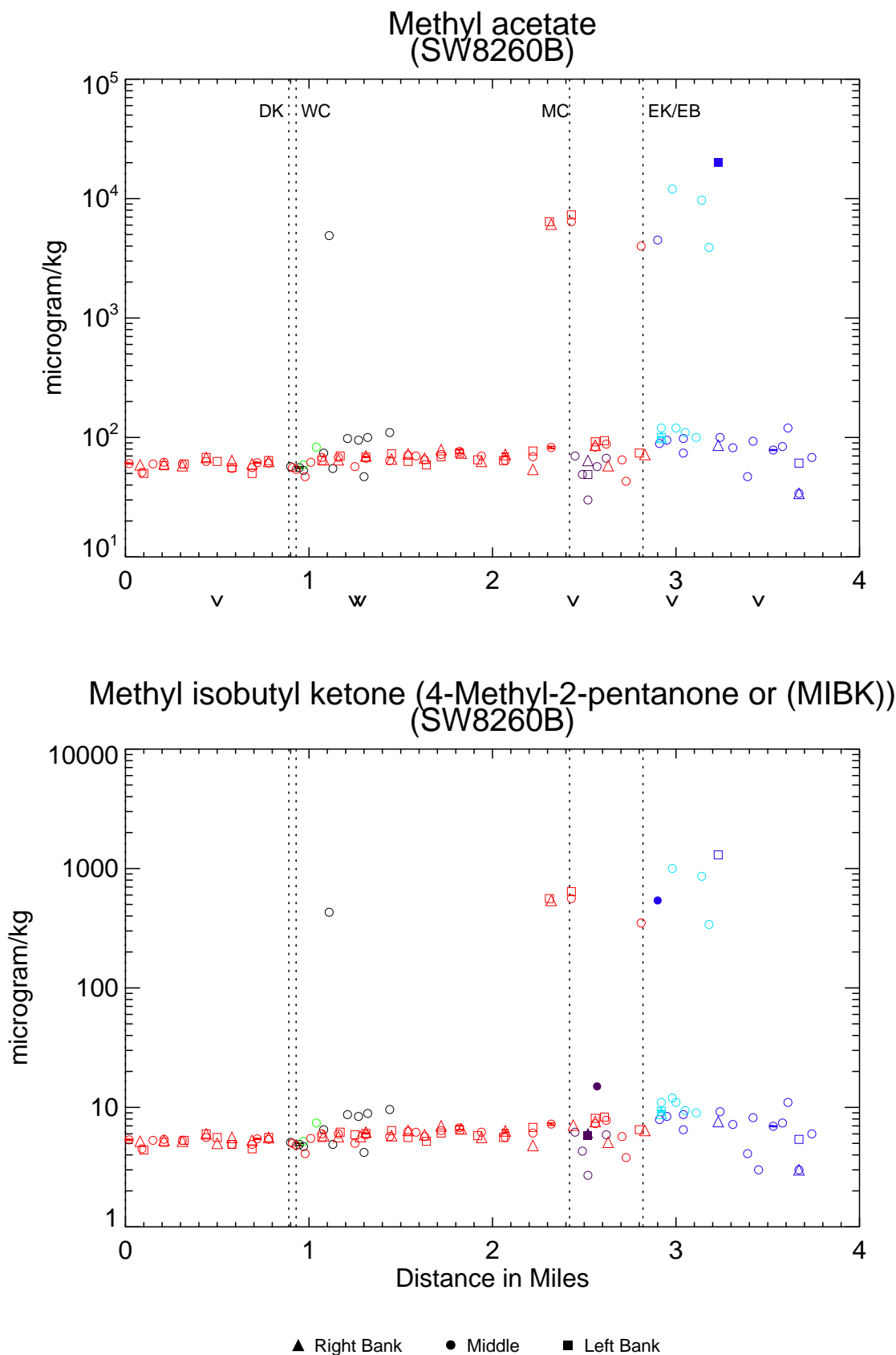
**Figure A4-32**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

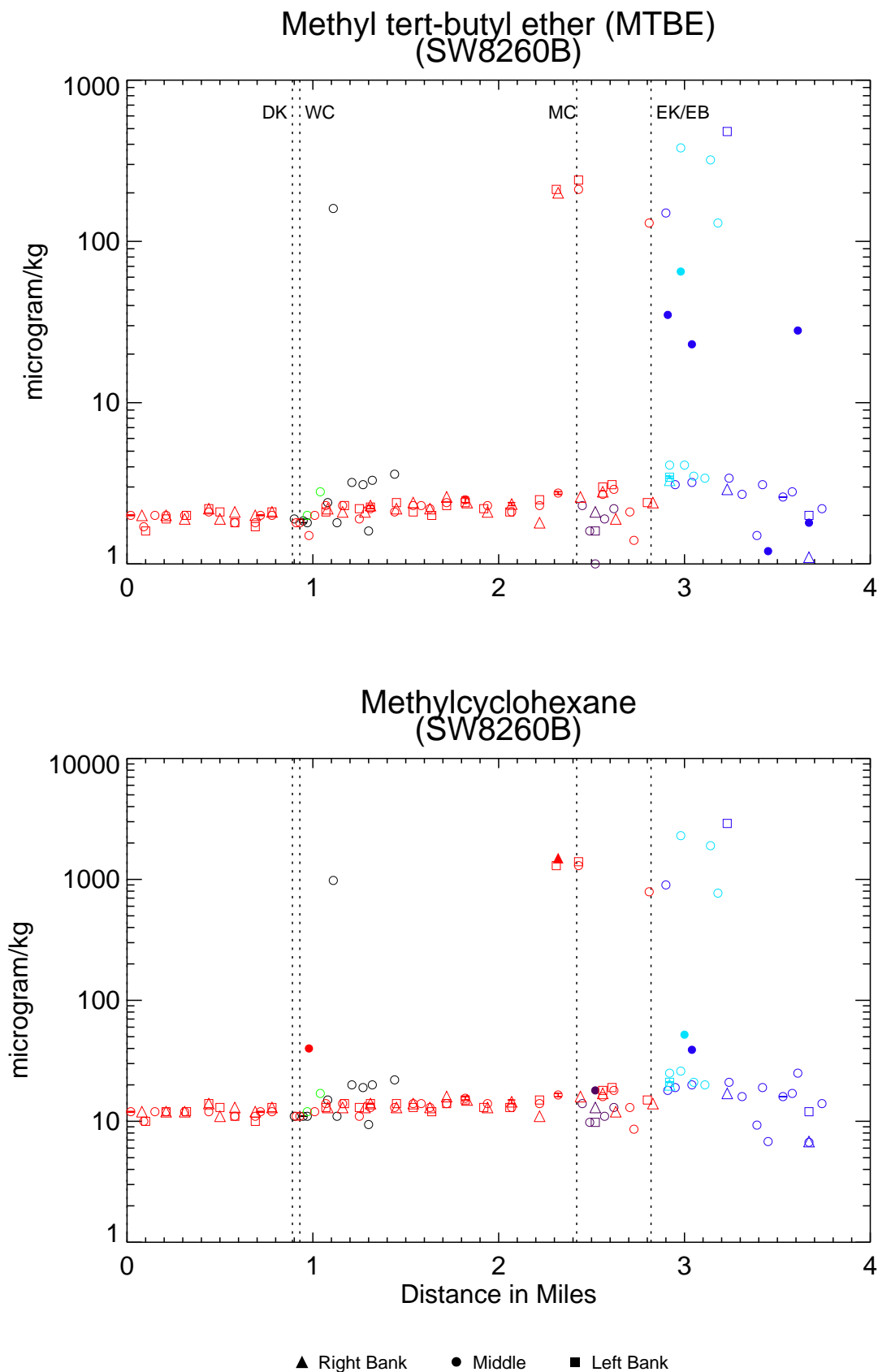
**Figure A4-33**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

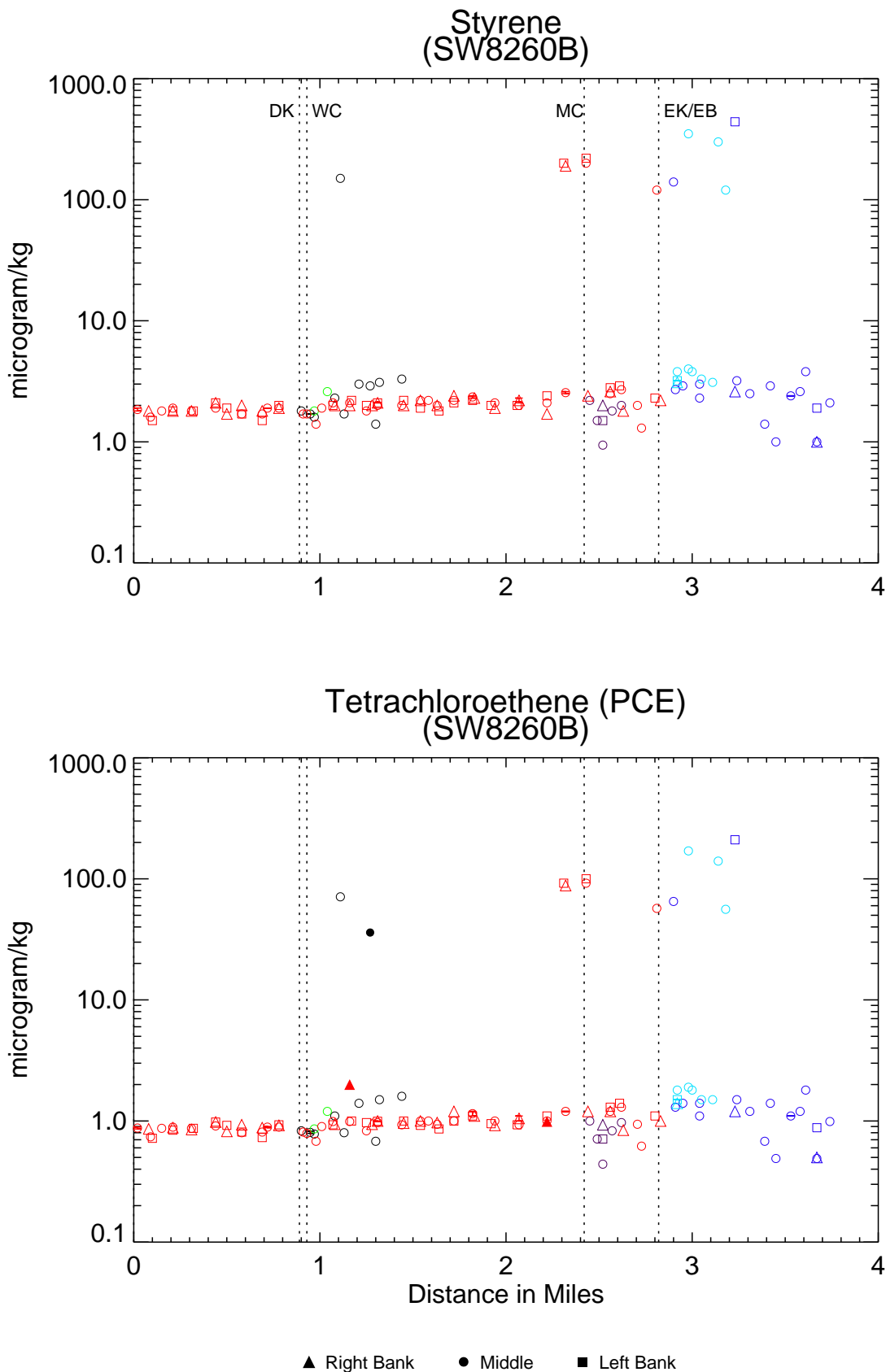
**Figure A4-34**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

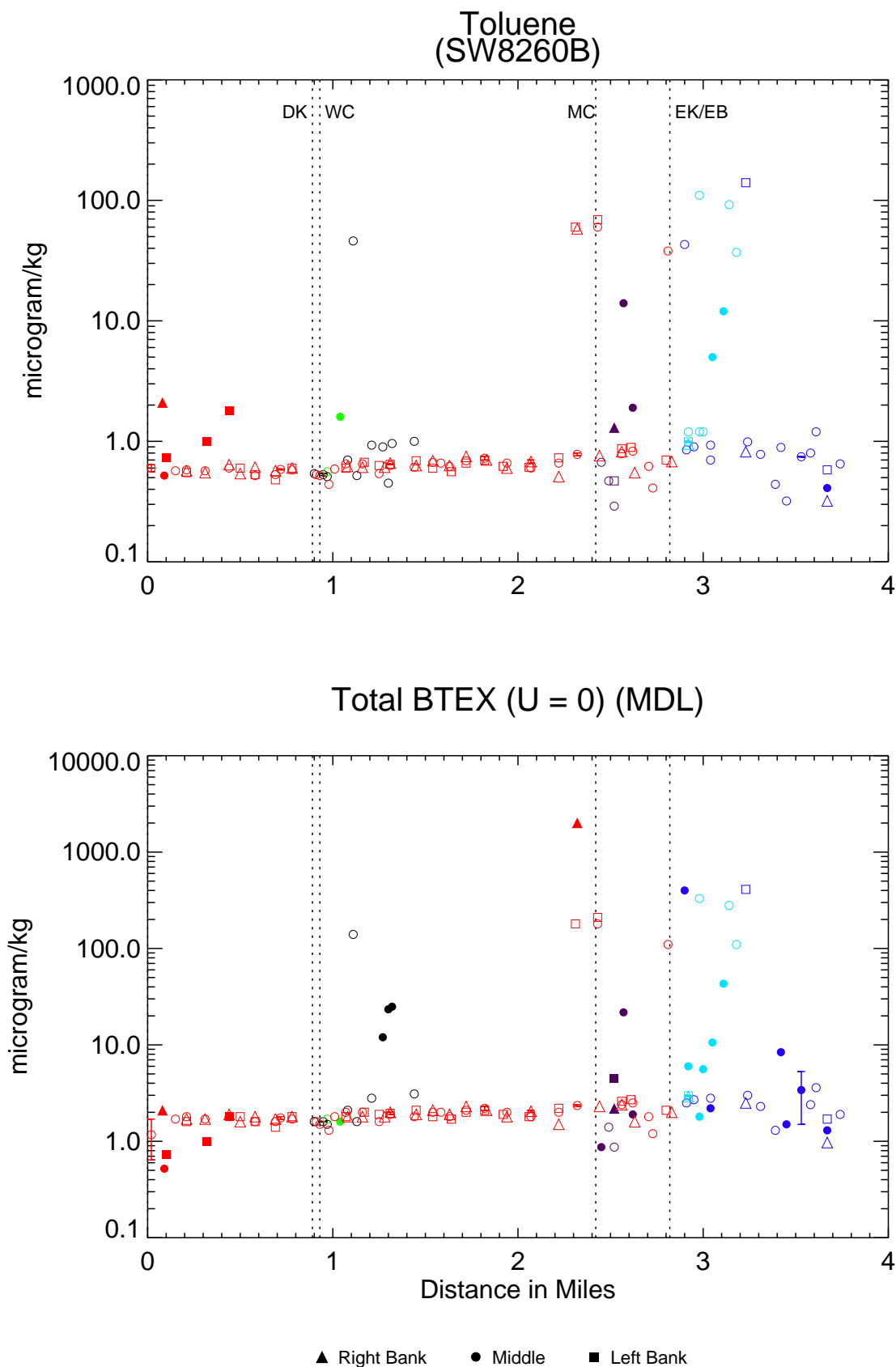
**Figure A4-35**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-36**

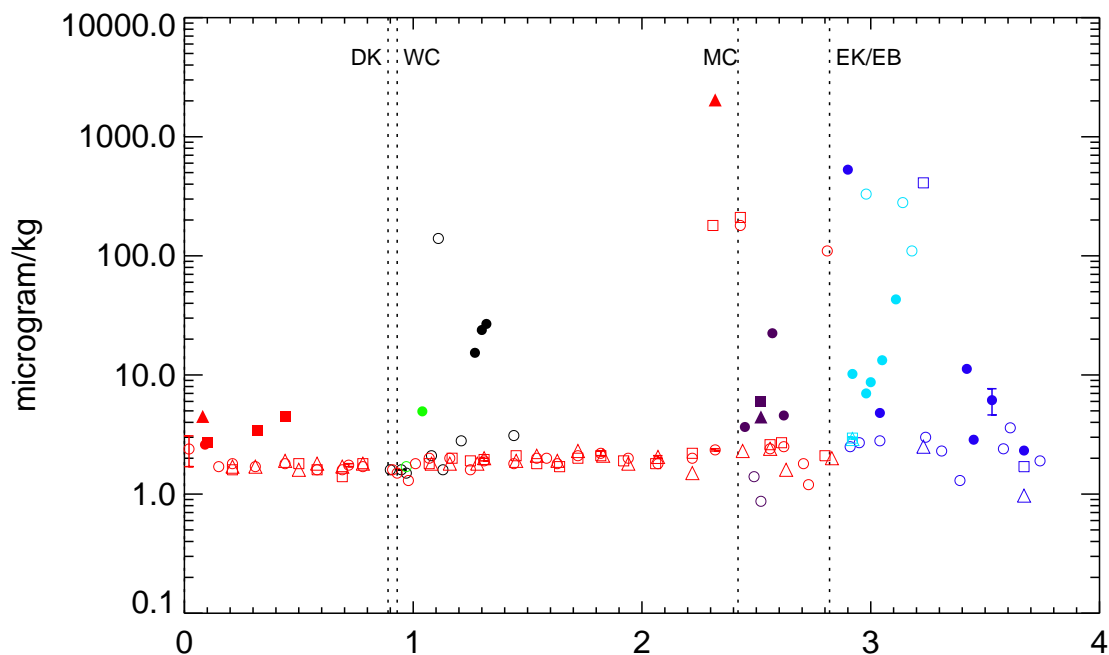
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

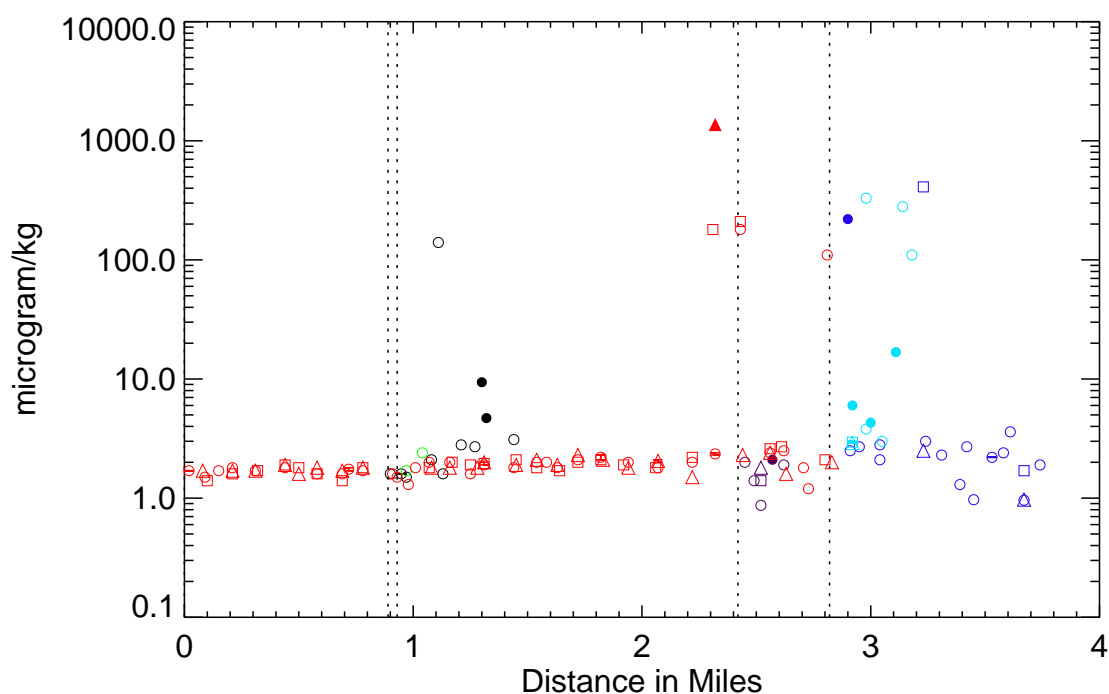


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93 mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Total BTEX (U = 1/2) (MDL)



Total Xylene (U = 0) (MDL)



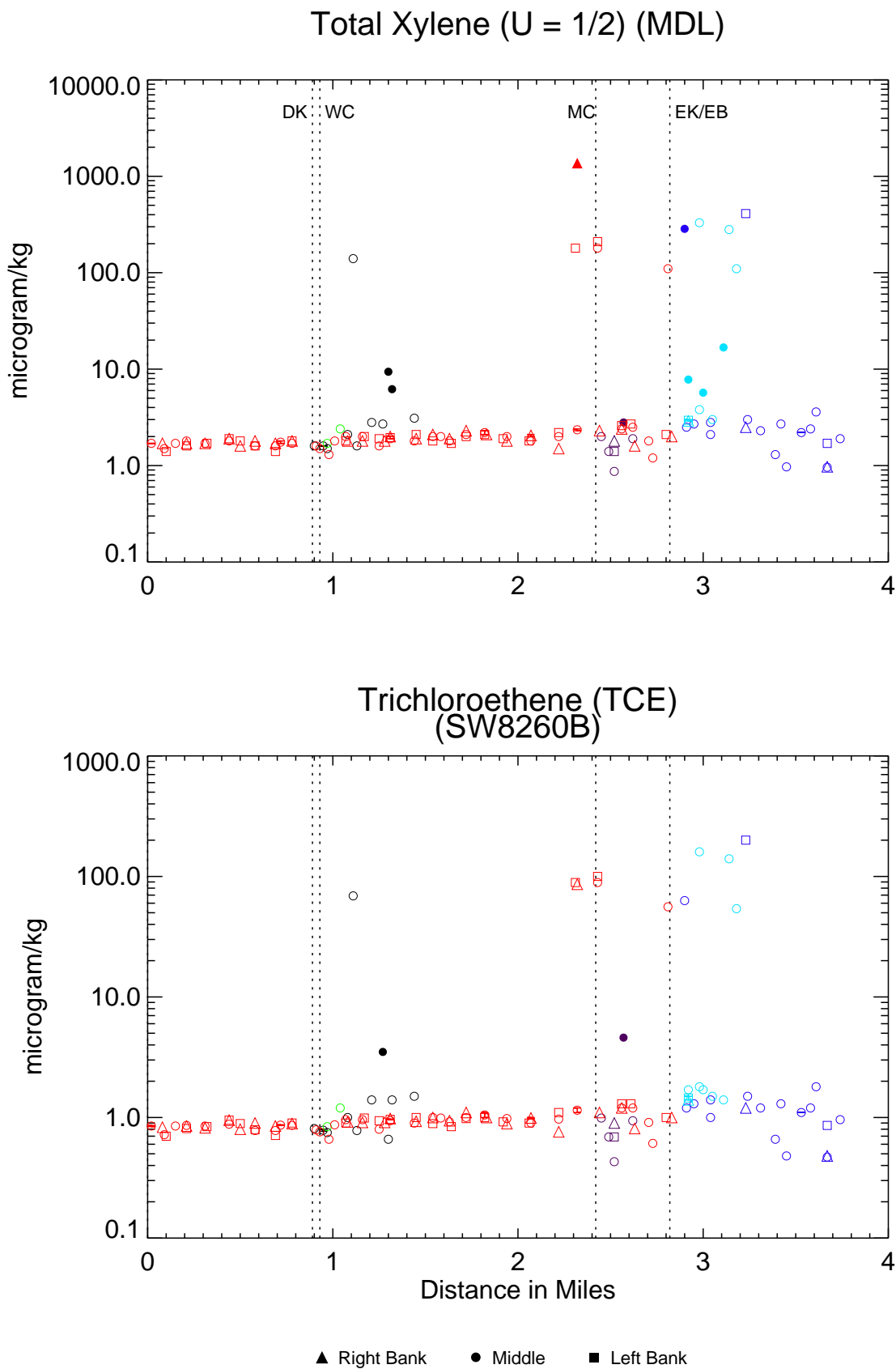
▲ Right Bank ● Middle ■ Left Bank



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-37
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

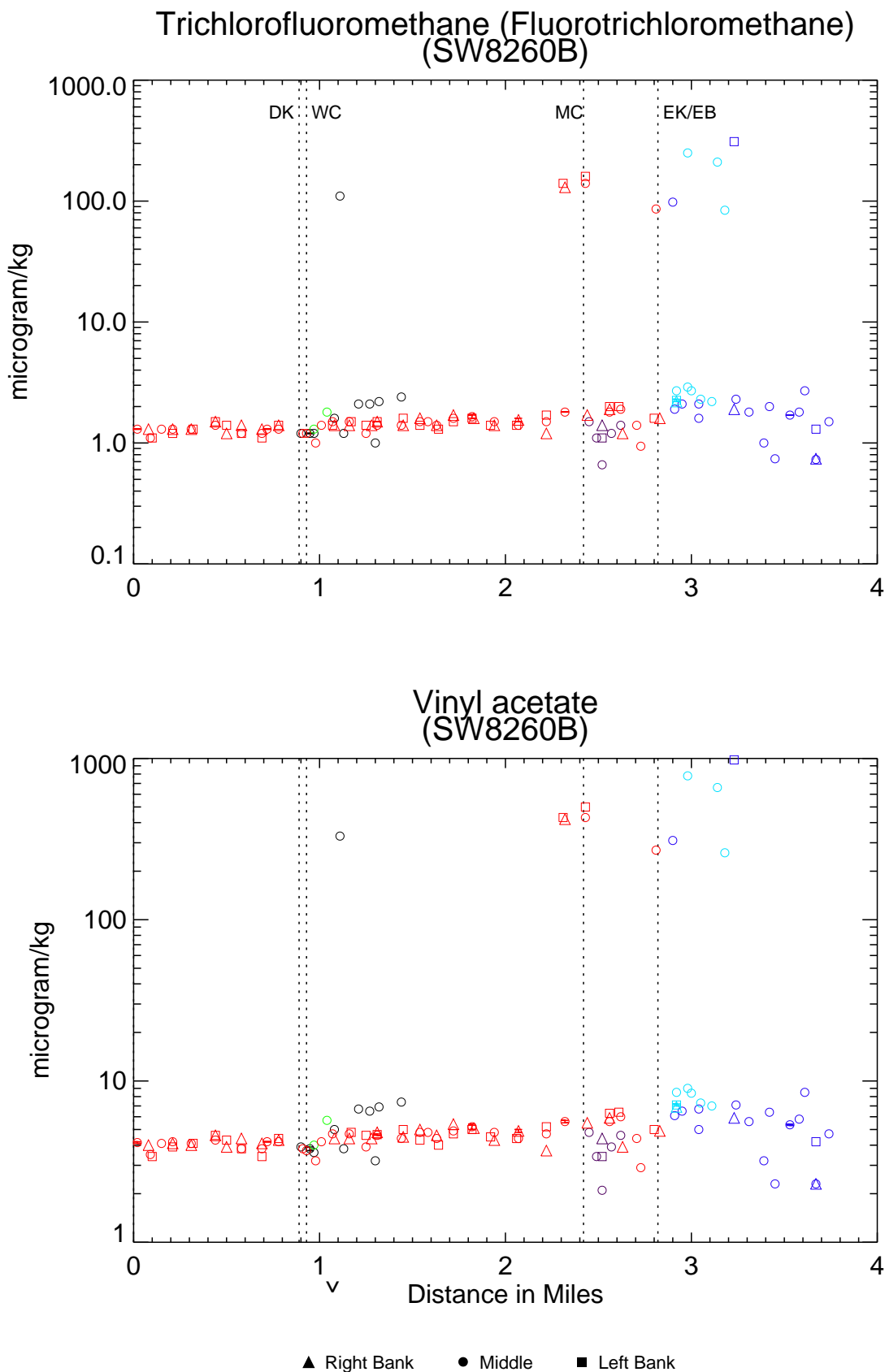
**Figure A4-38**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

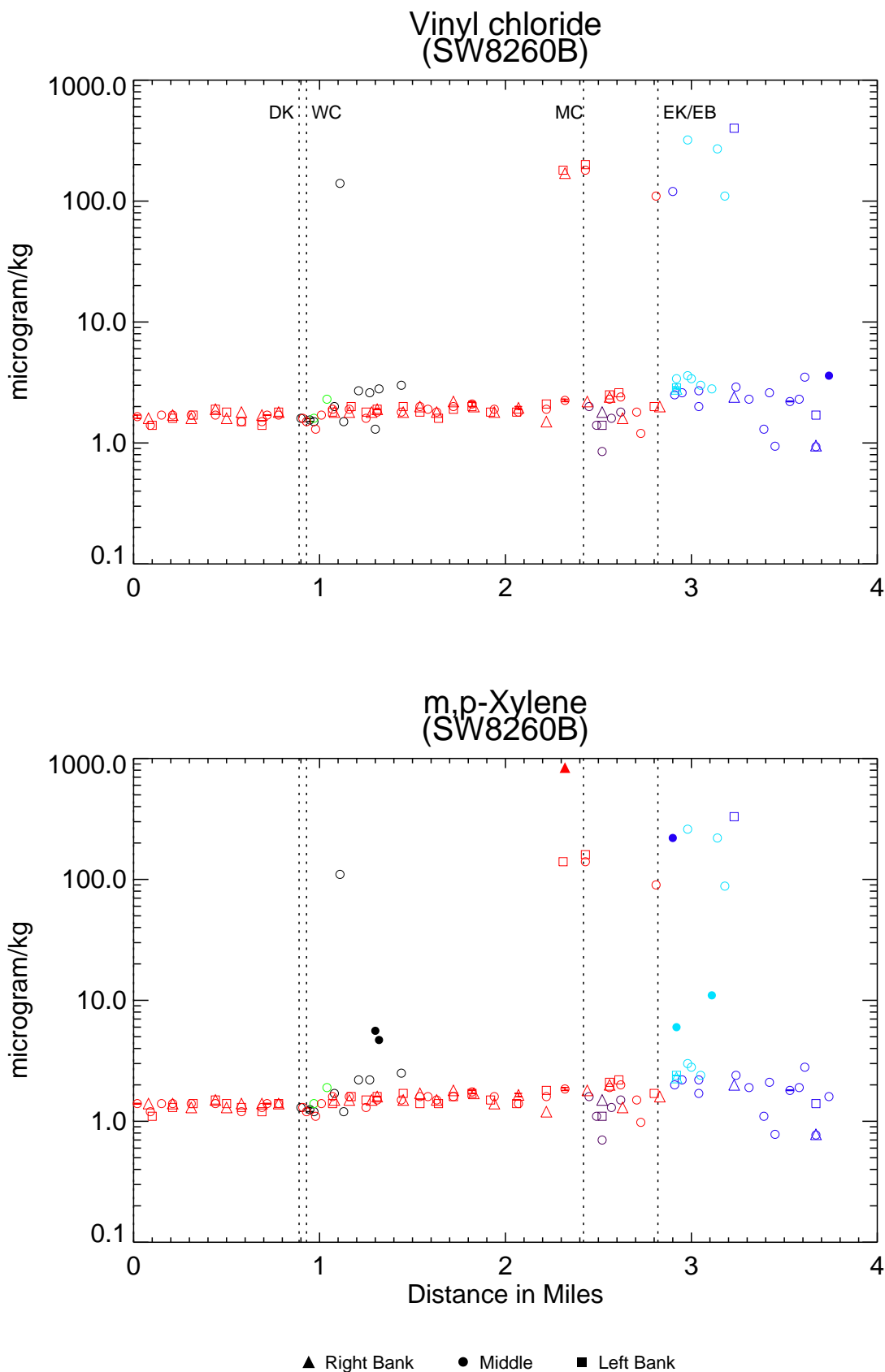
**Figure A4-39**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

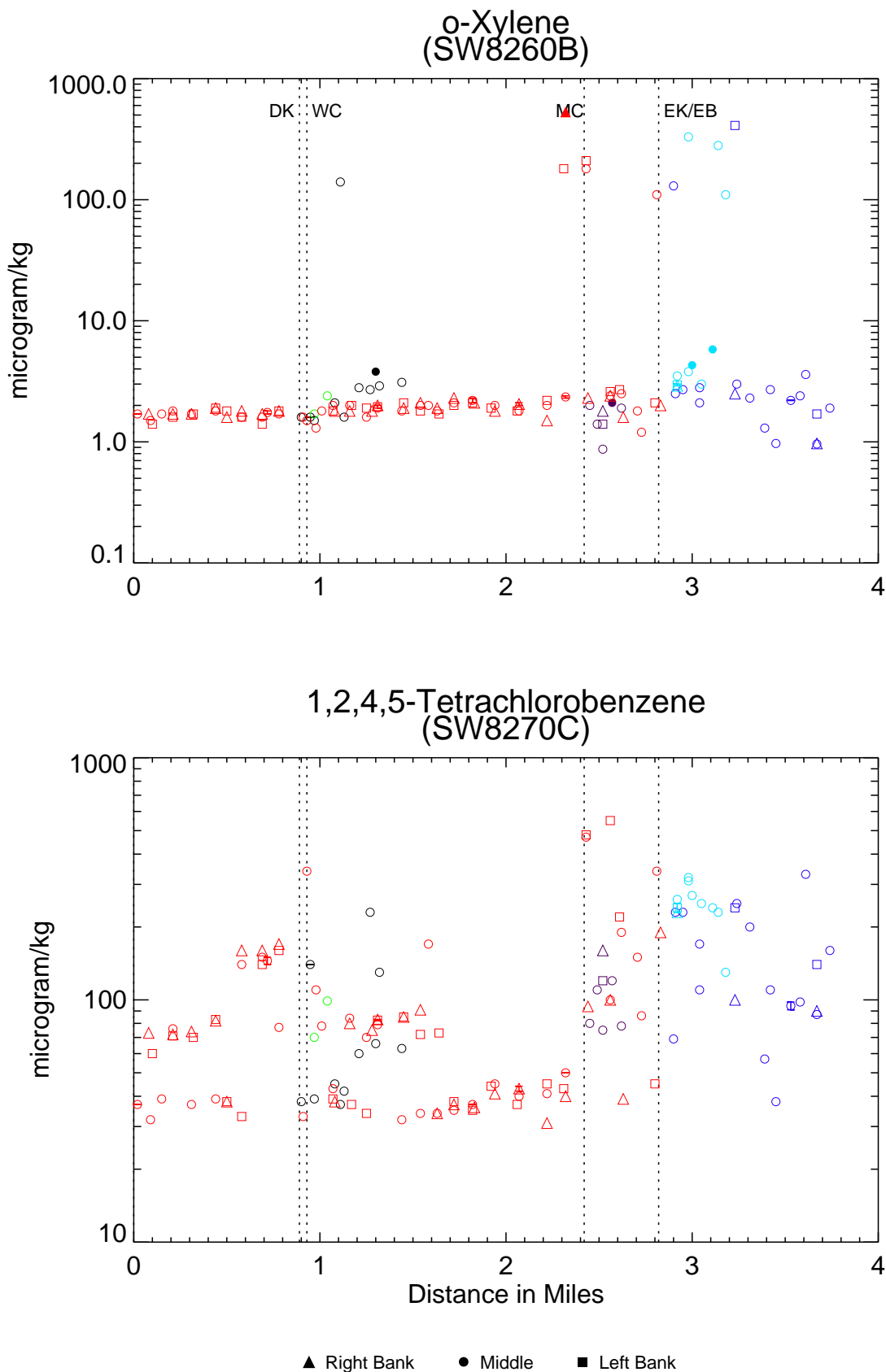
**Figure A4-40**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

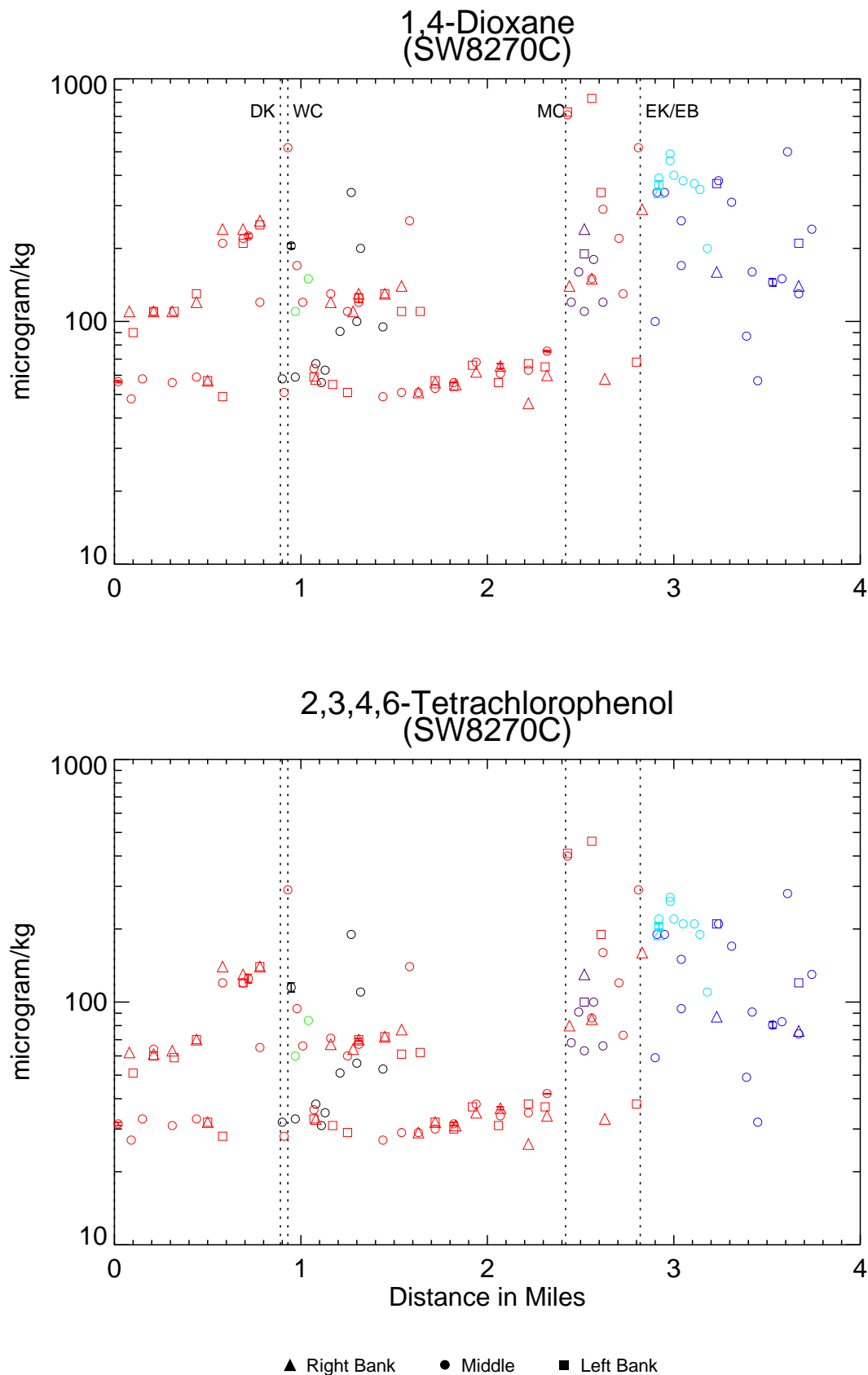
**Figure A4-41**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



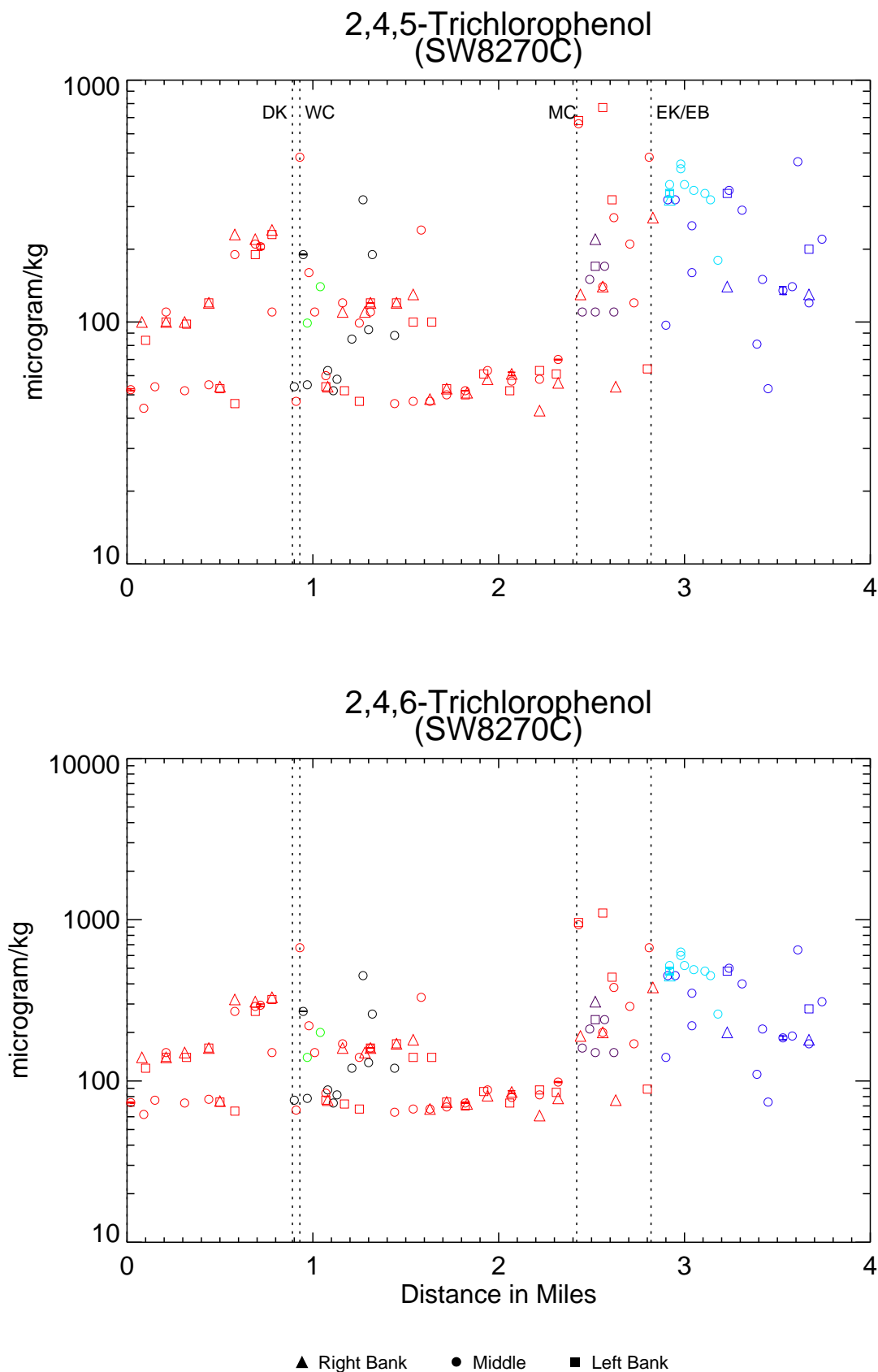
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-42
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

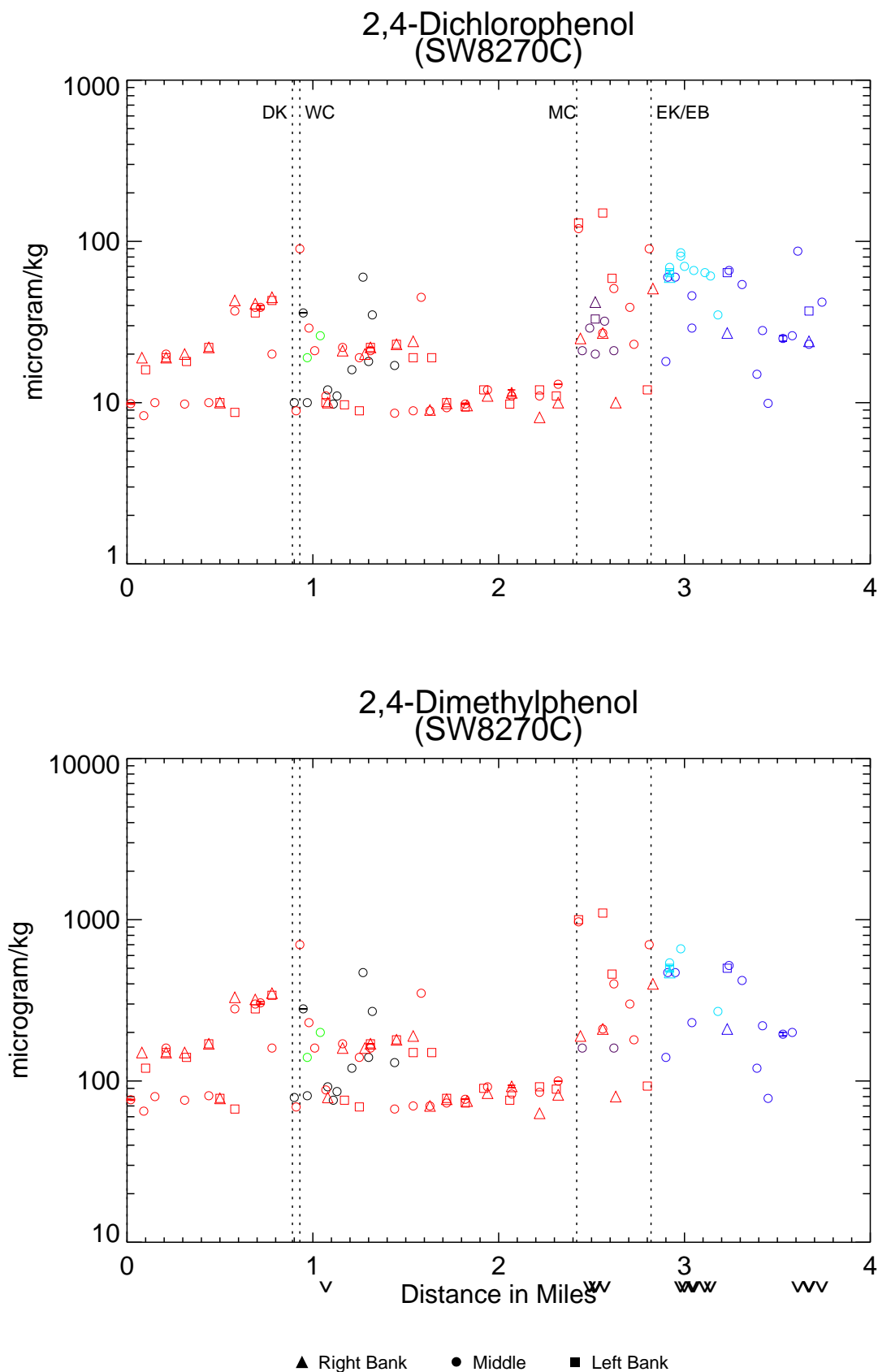
**Figure A4-43**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

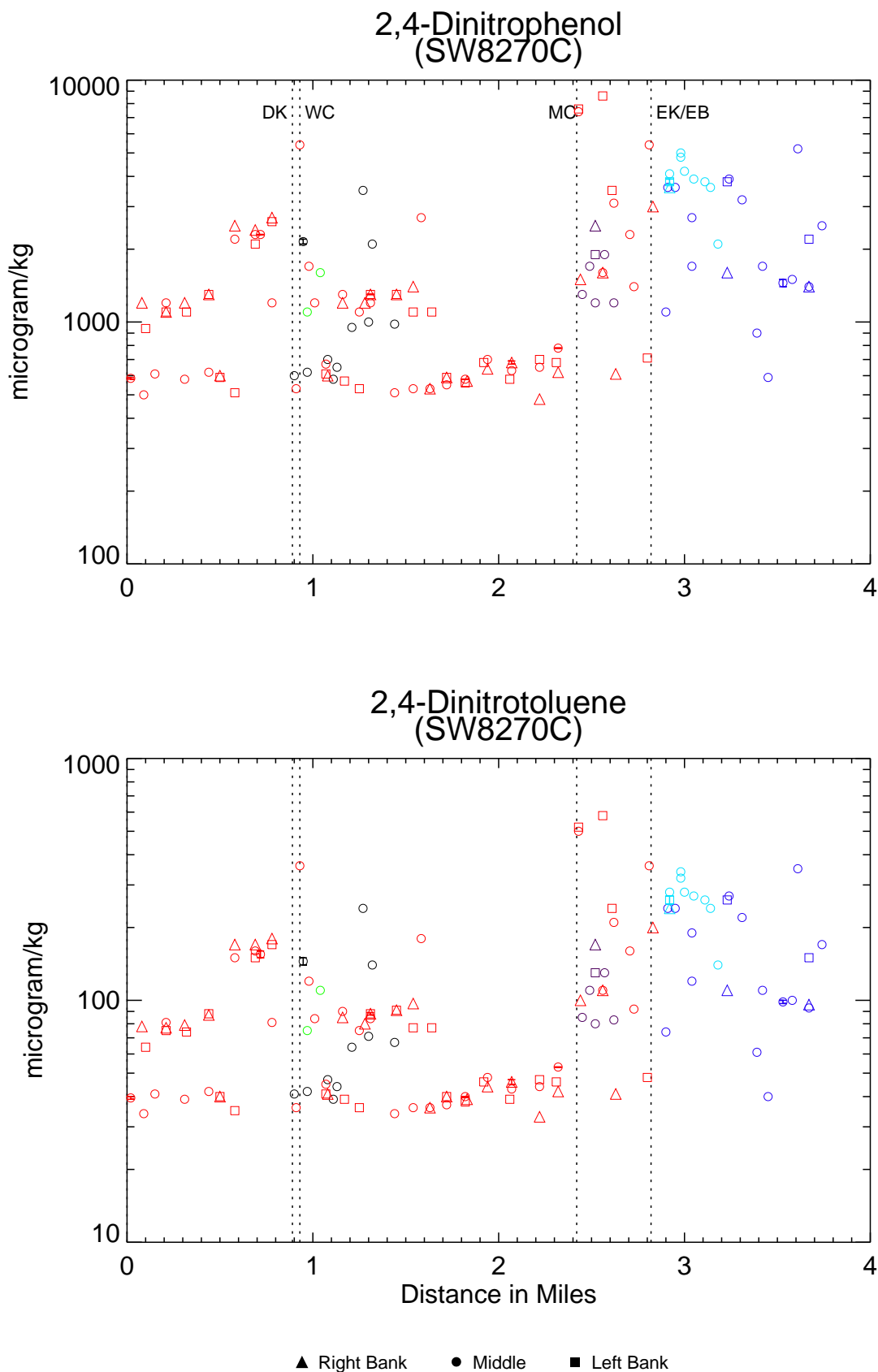
**Figure A4-44**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

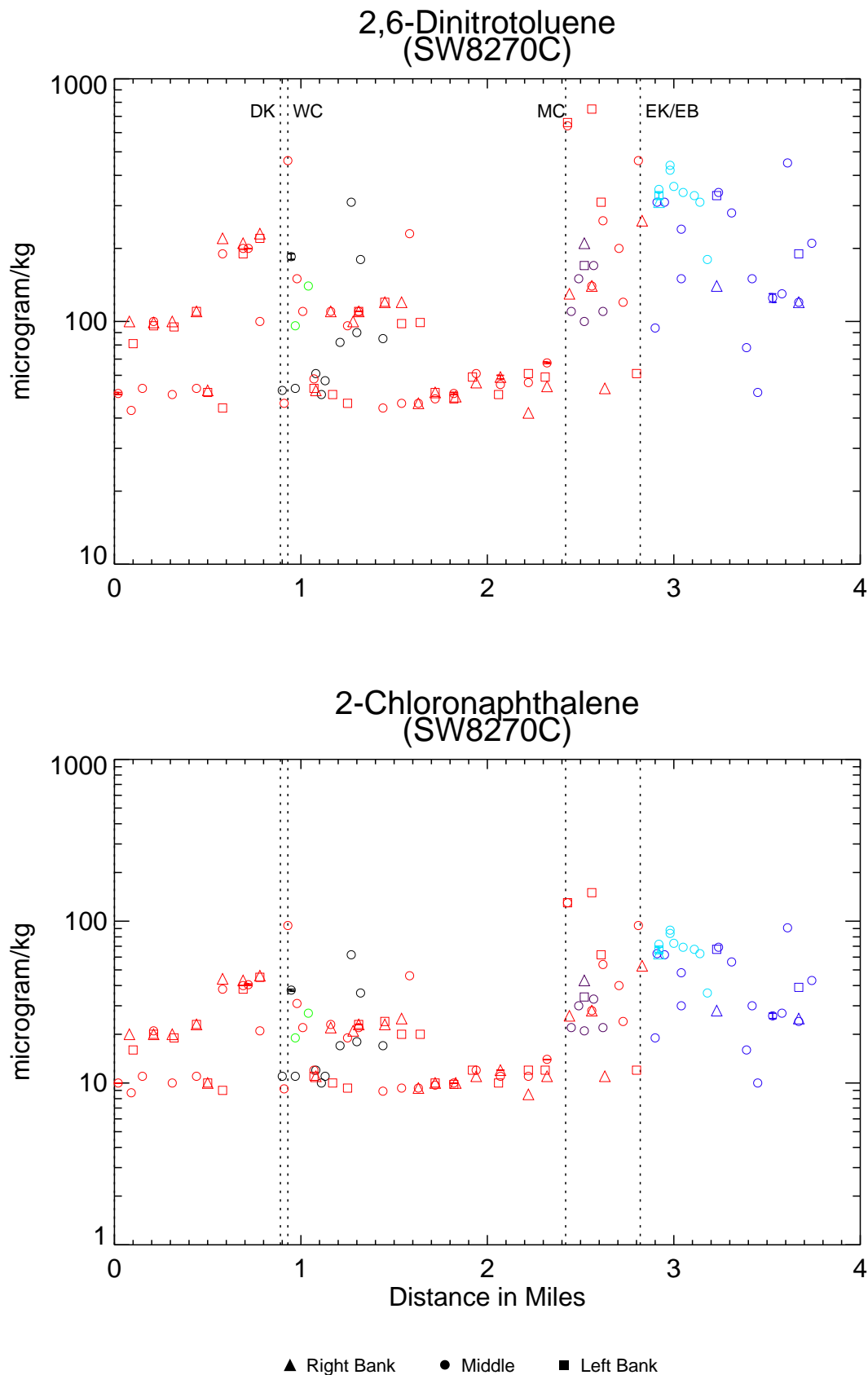
**Figure A4-45**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

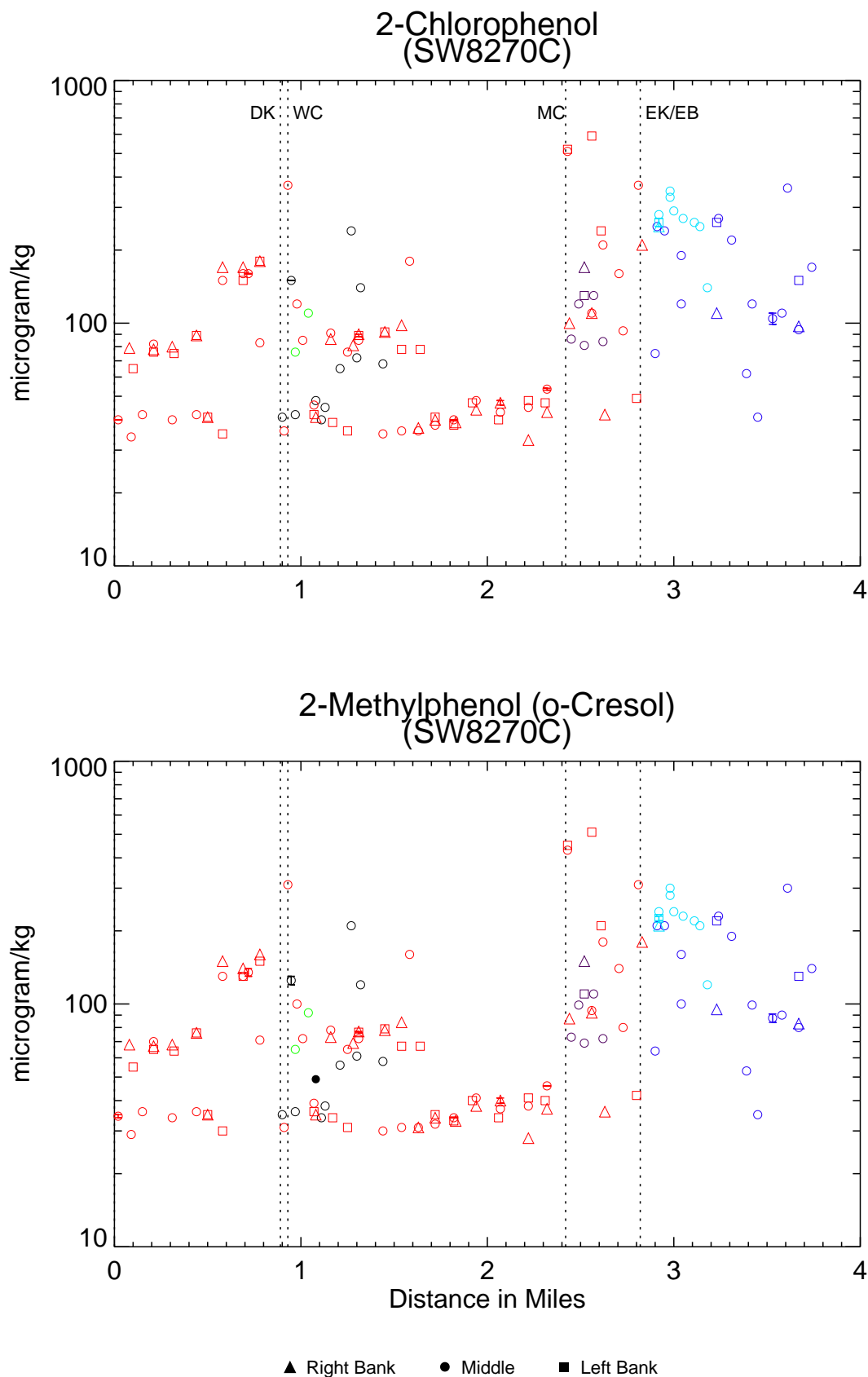
**Figure A4-46**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



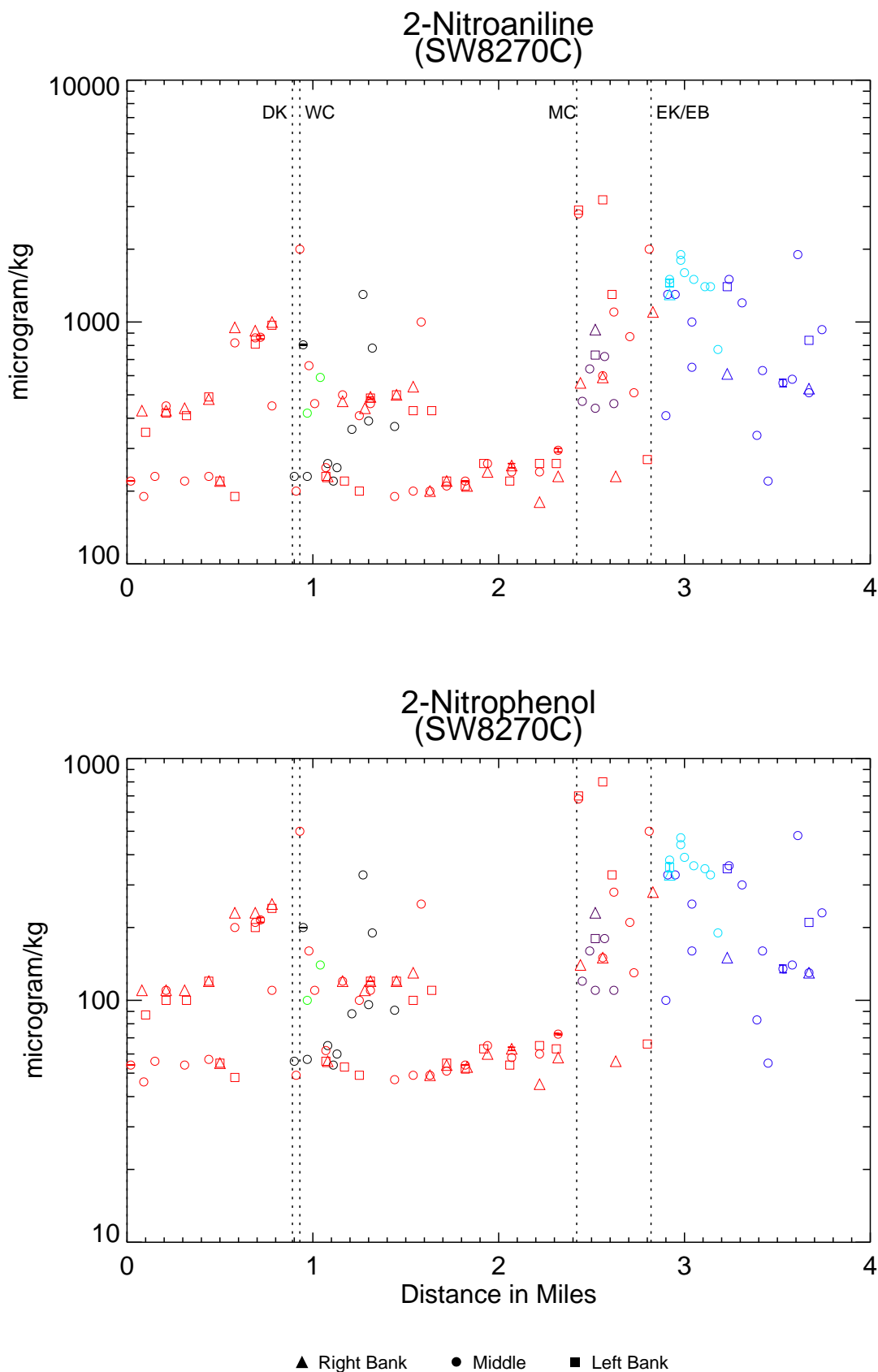
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-47
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

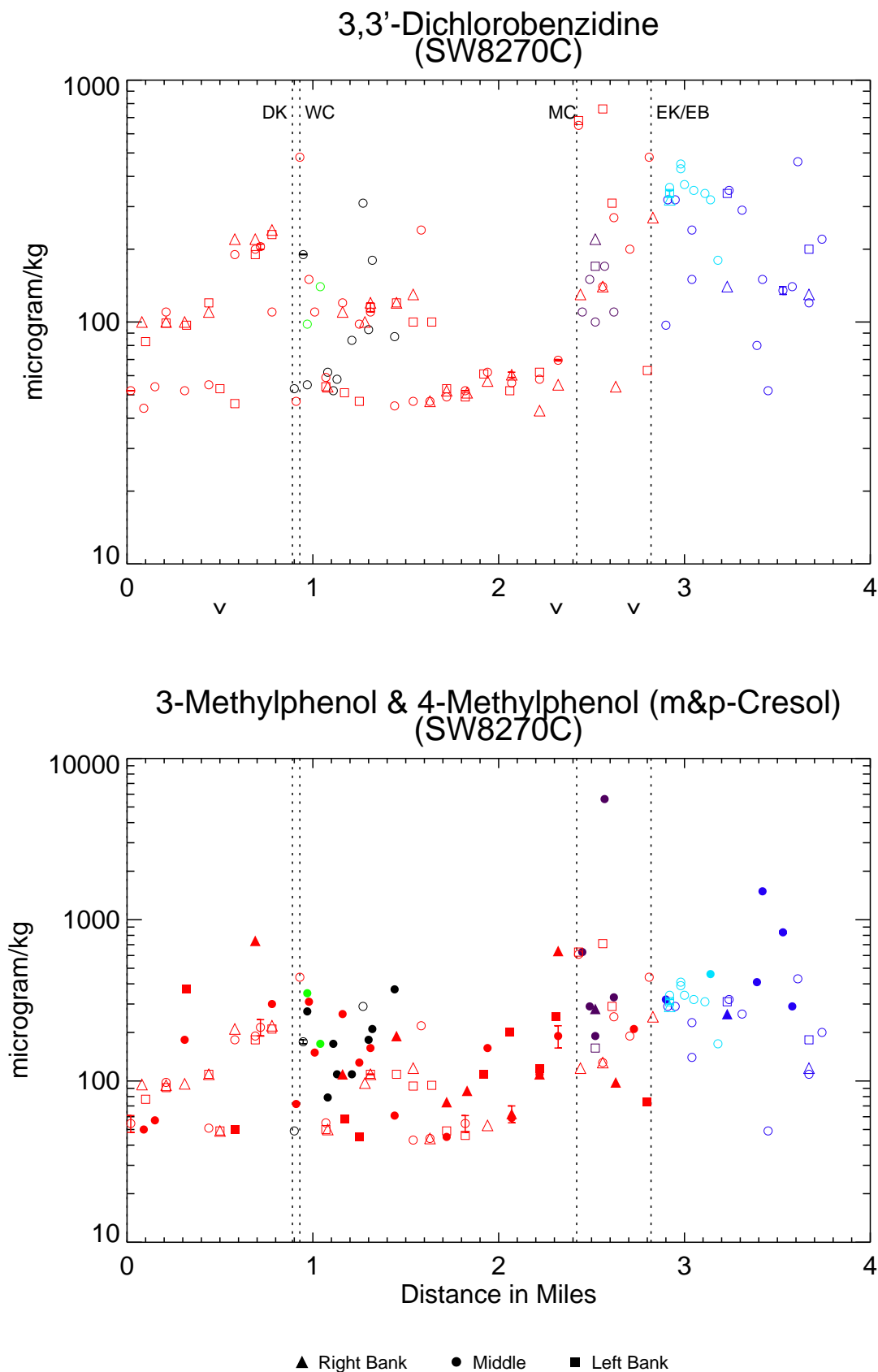
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-48
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

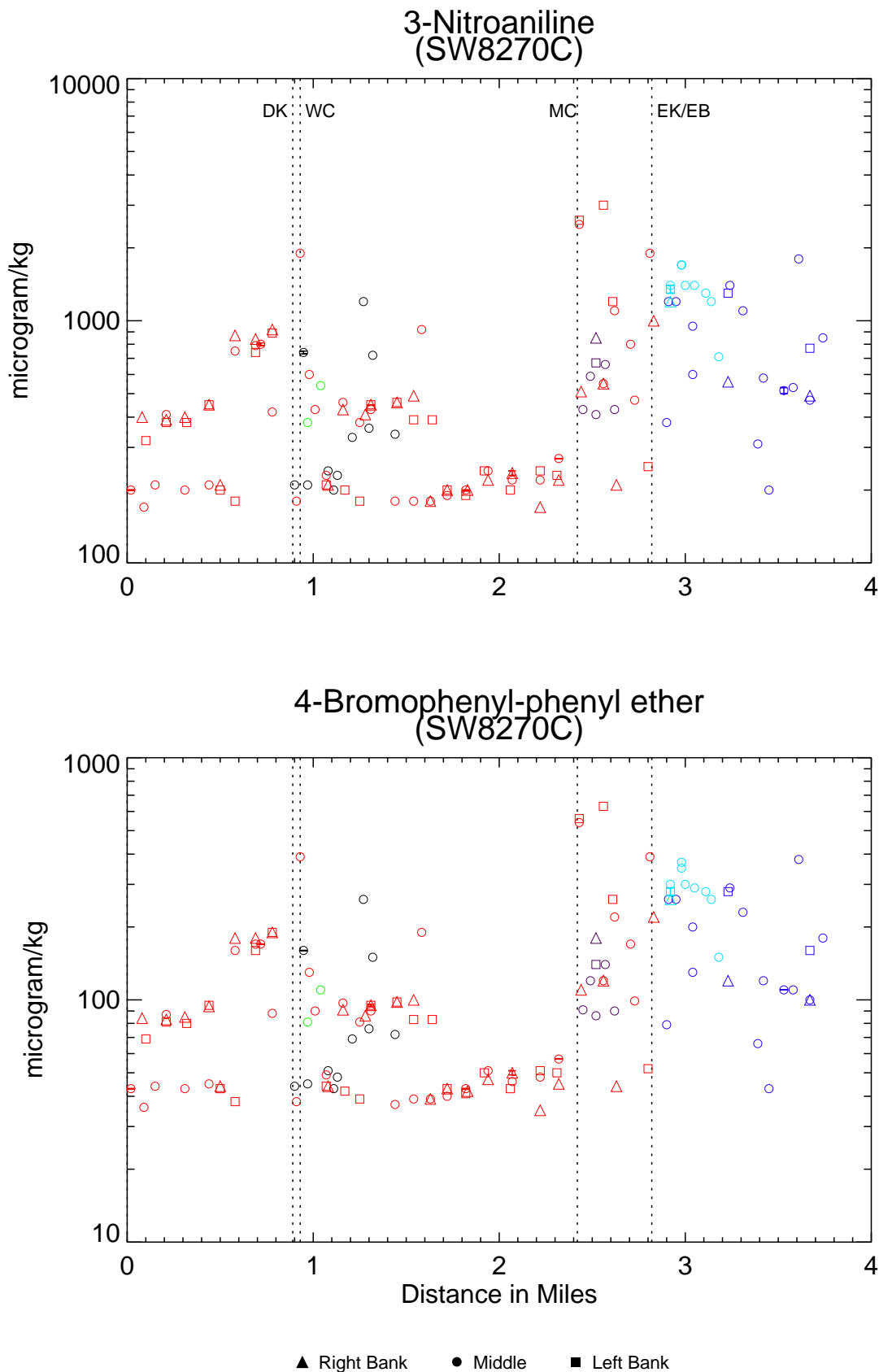
**Figure A4-49**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Maspeth Creek (2.42 mi)
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- East Branch (2.82 mi)

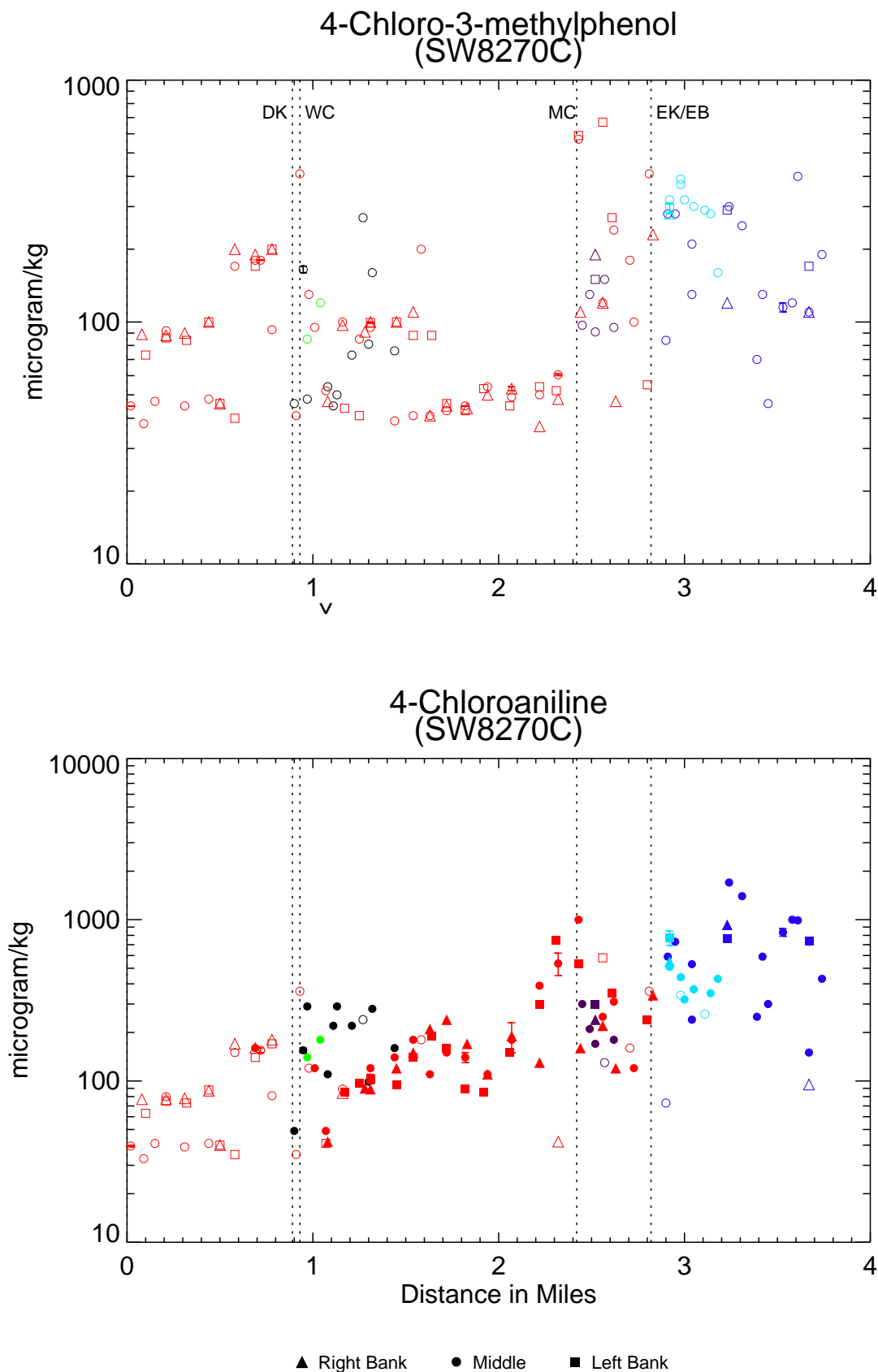
**Figure A4-50**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

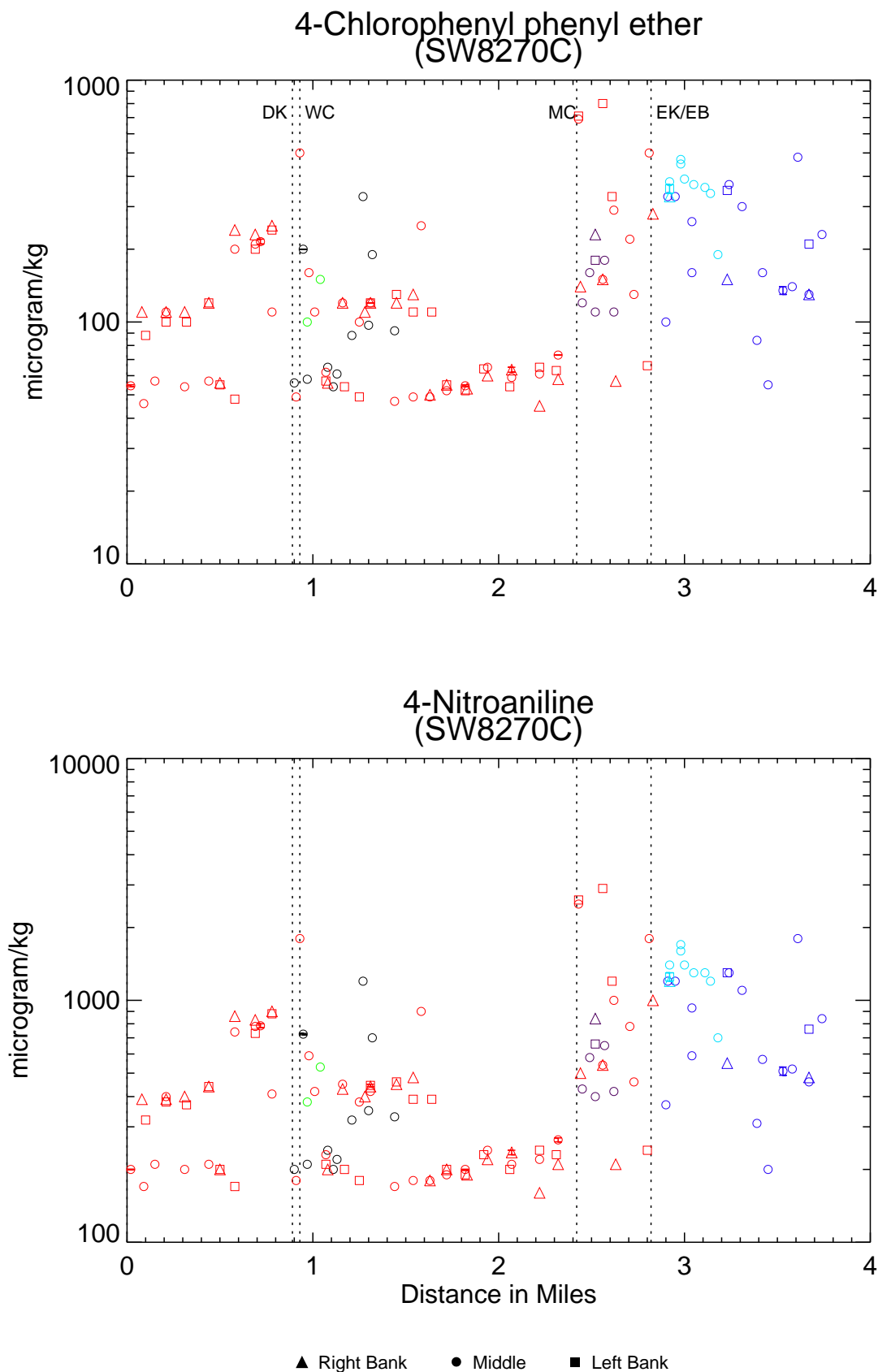
**Figure A4-51**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

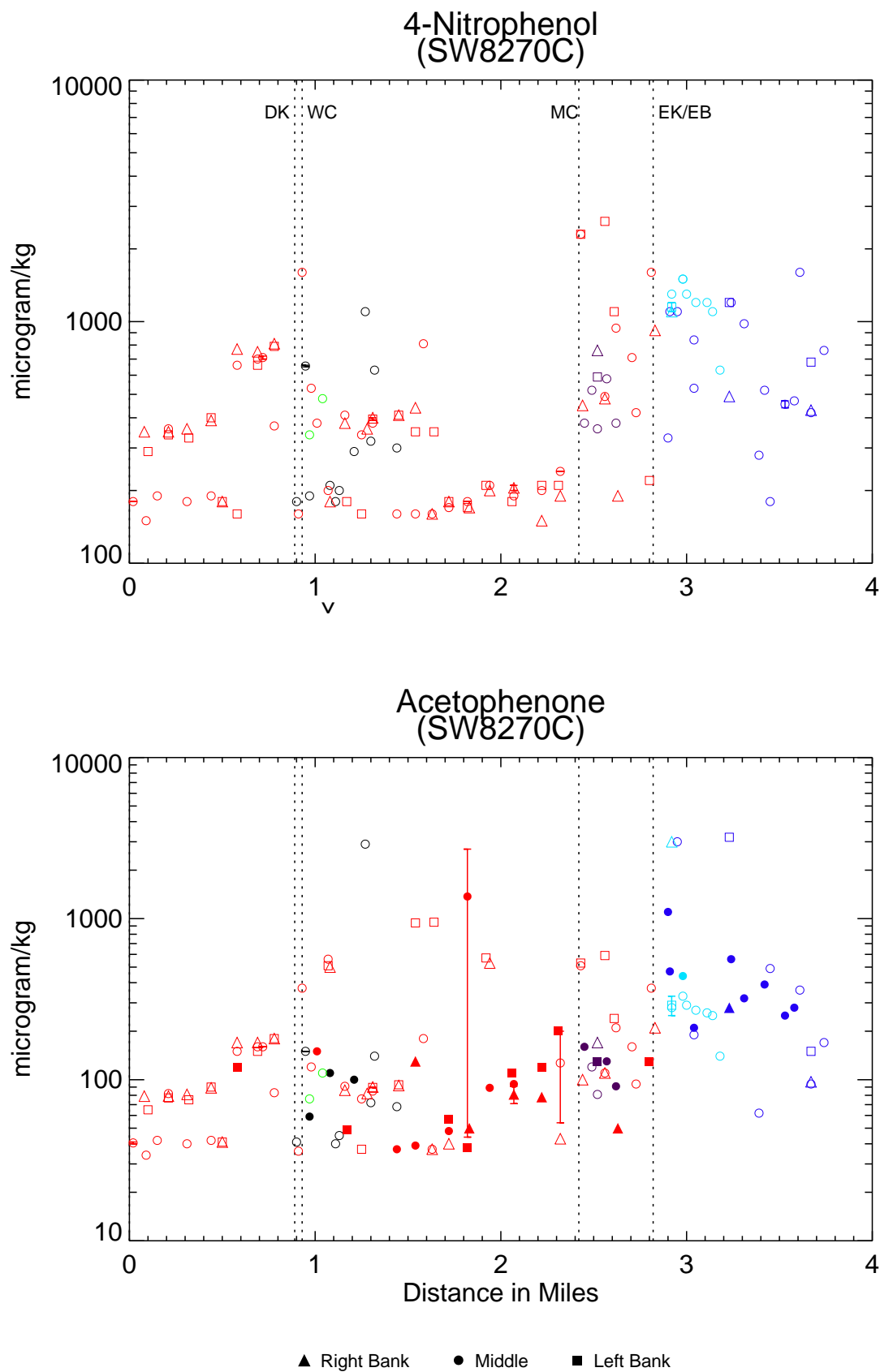
**Figure A4-52**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

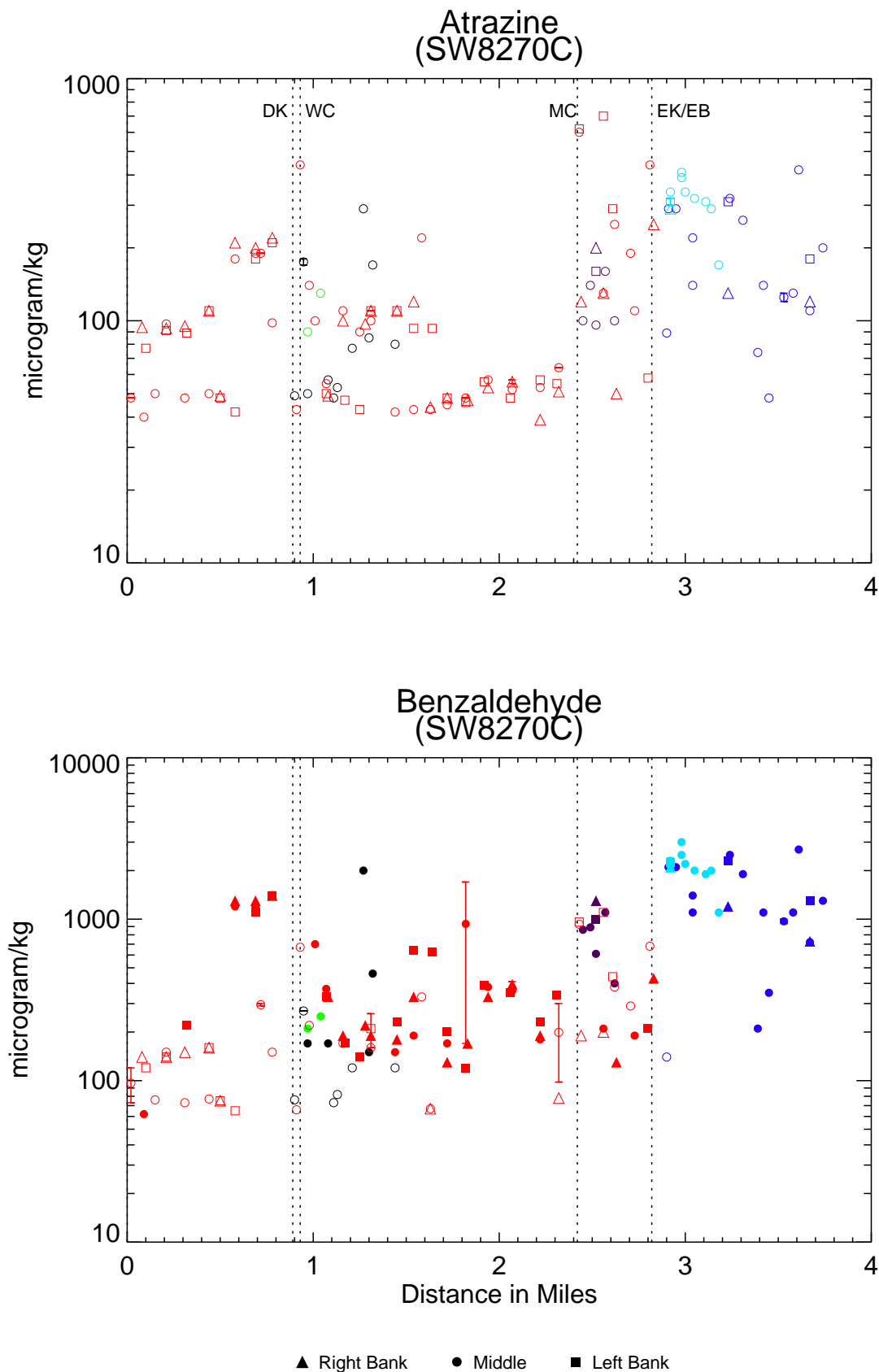
**Figure A4-53**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



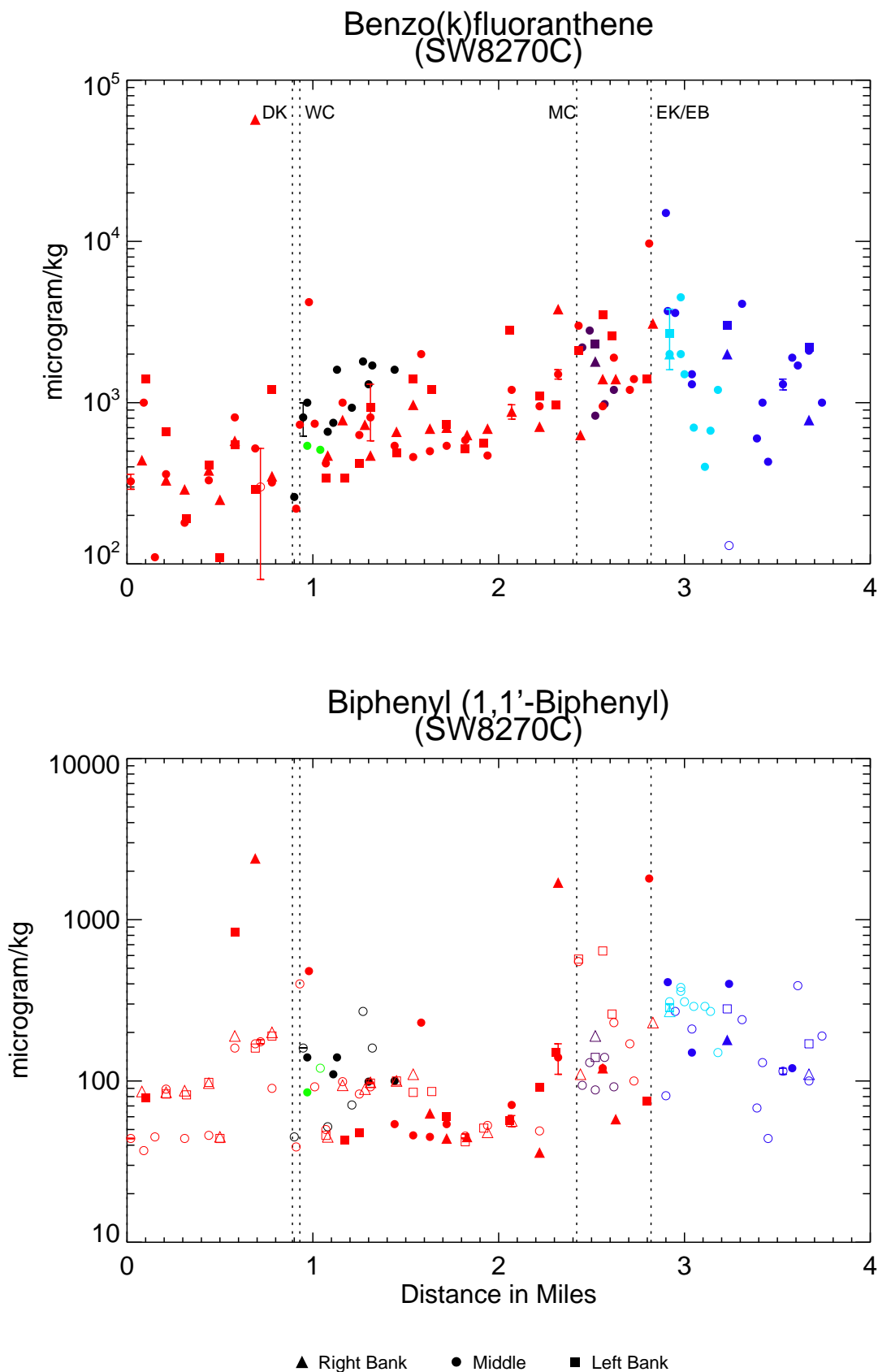
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-54**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

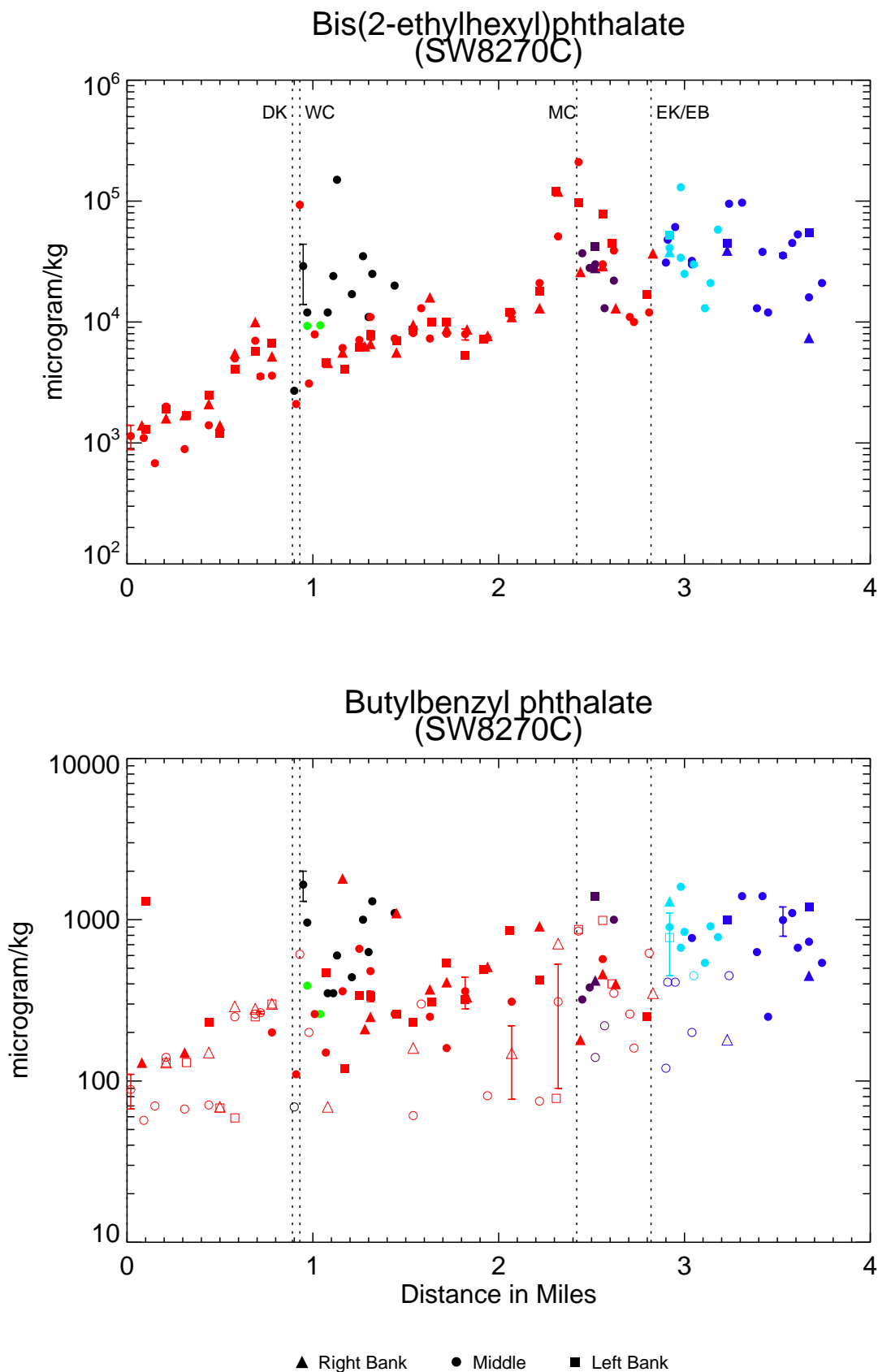
**Figure A4-55**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



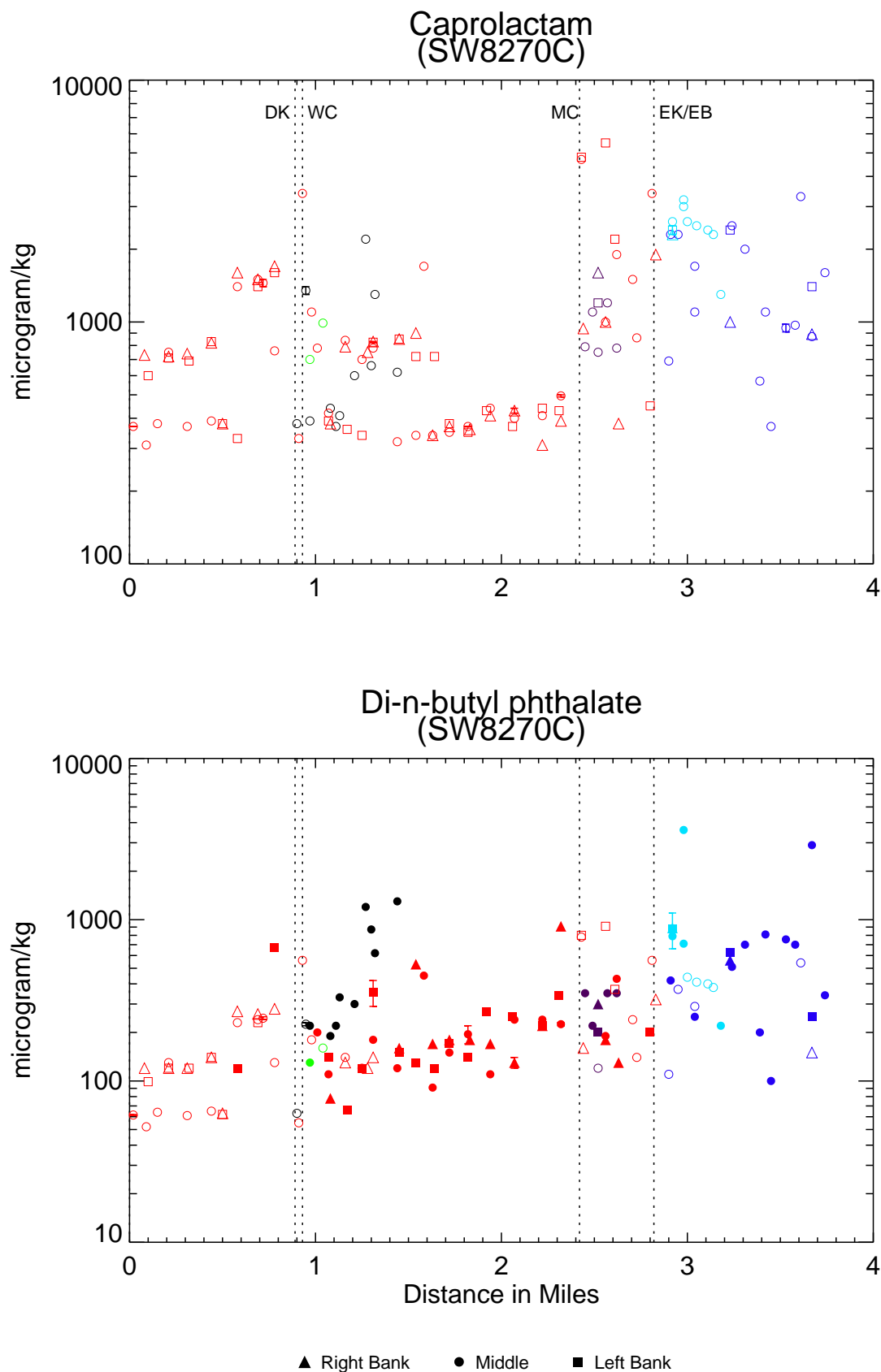
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-56
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

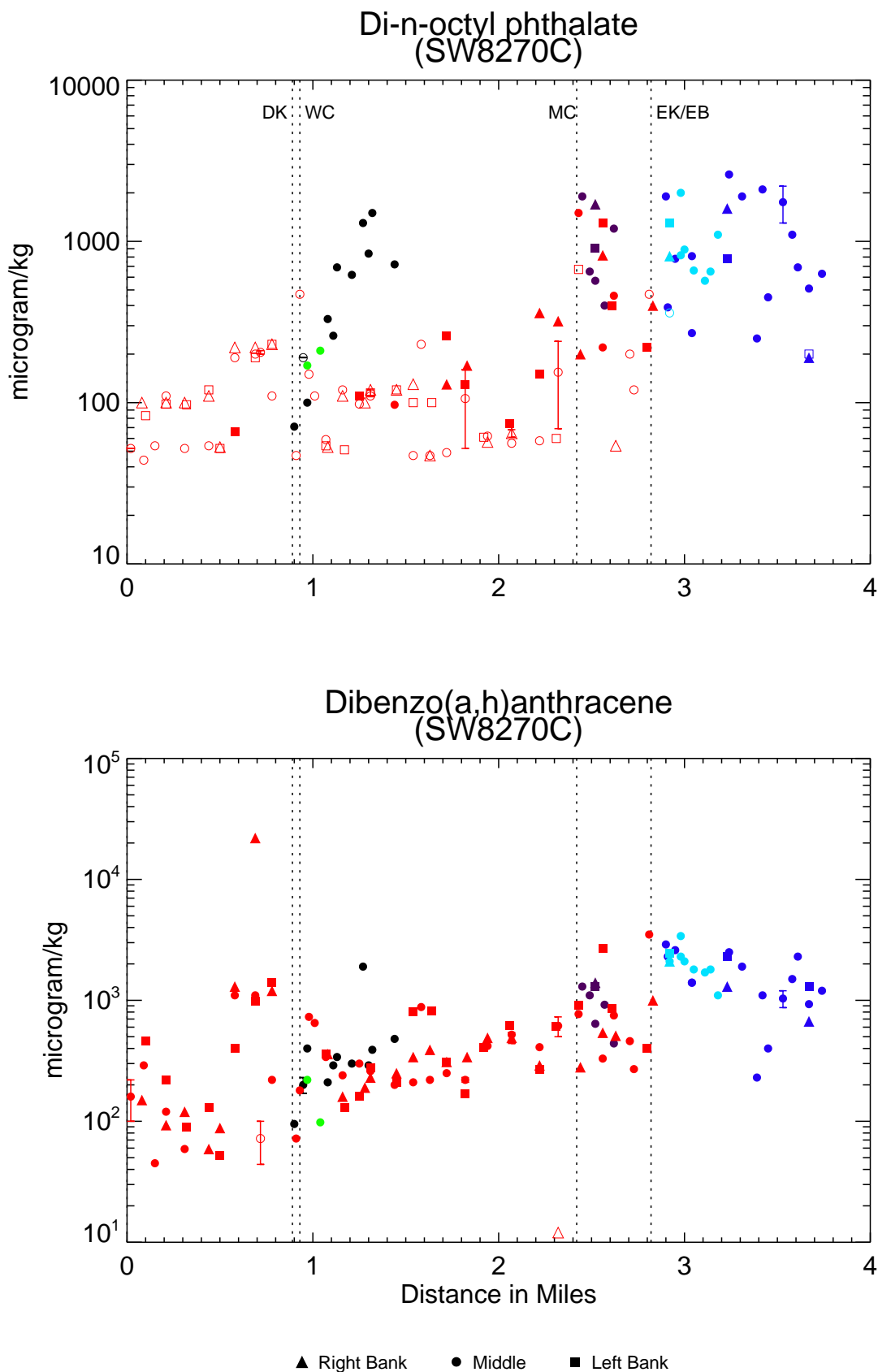
**Figure A4-57**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

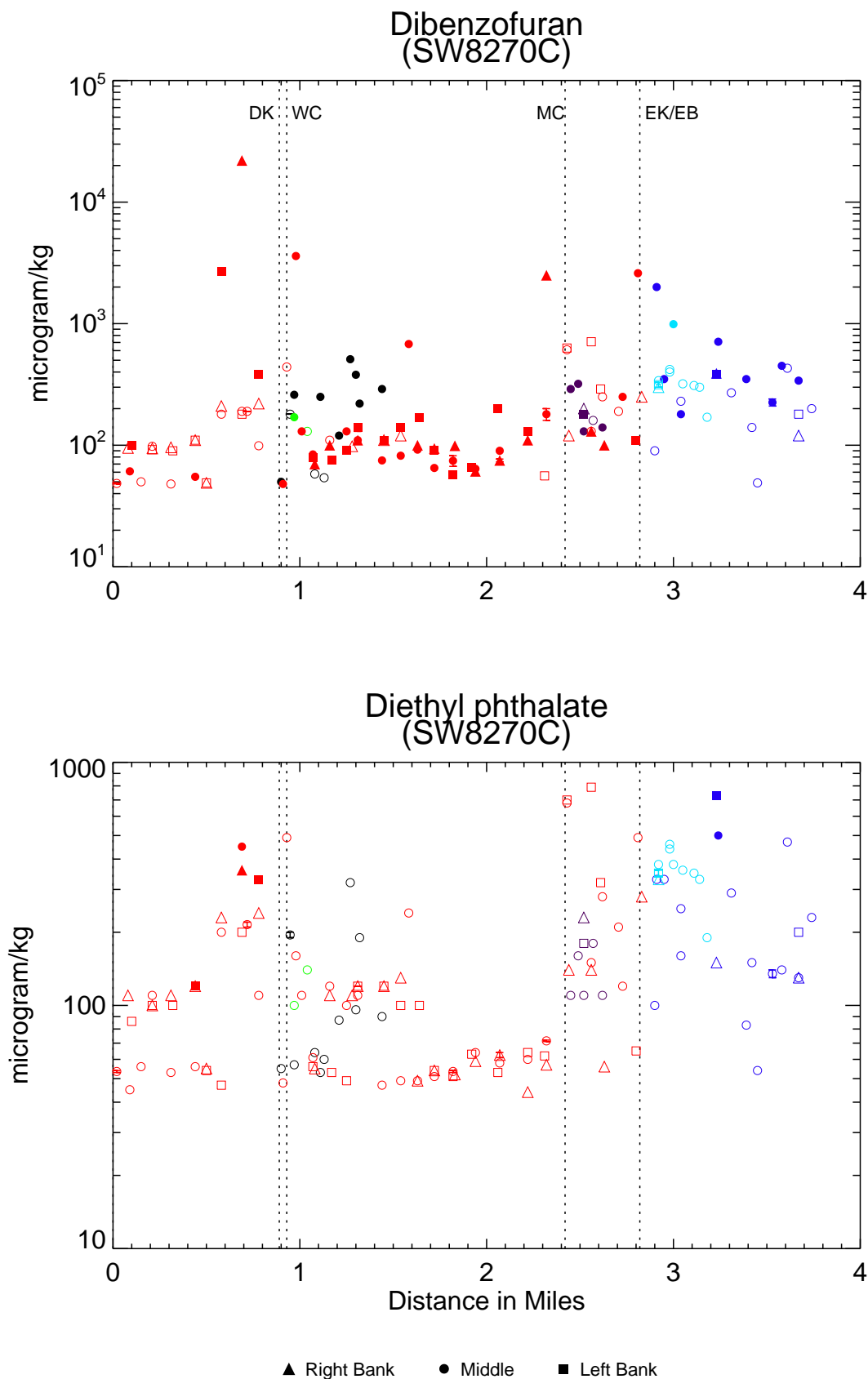
**Figure A4-58**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



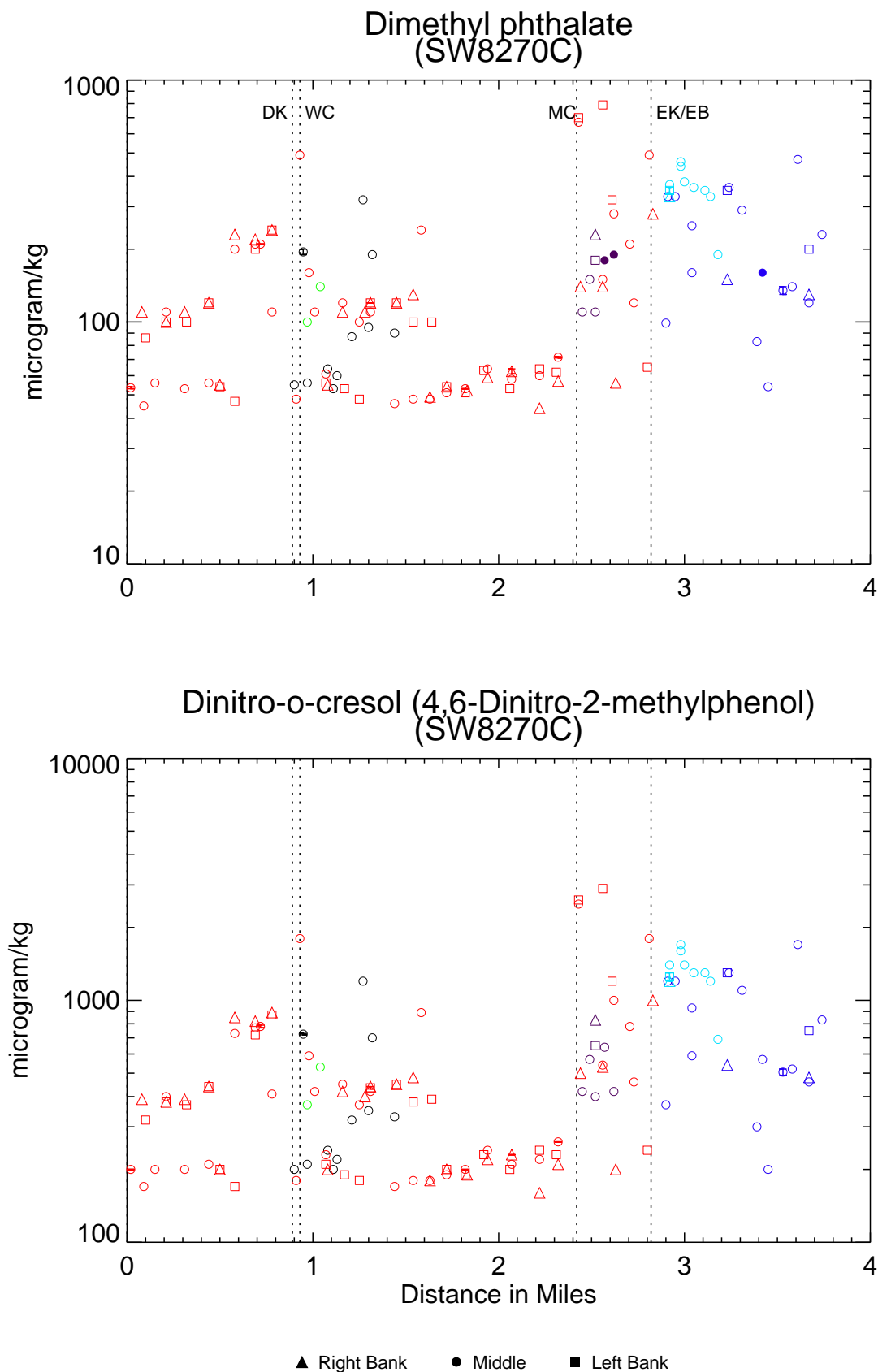
- Newtown Creek
- Dutch Kills (0.89 mi)
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-59
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

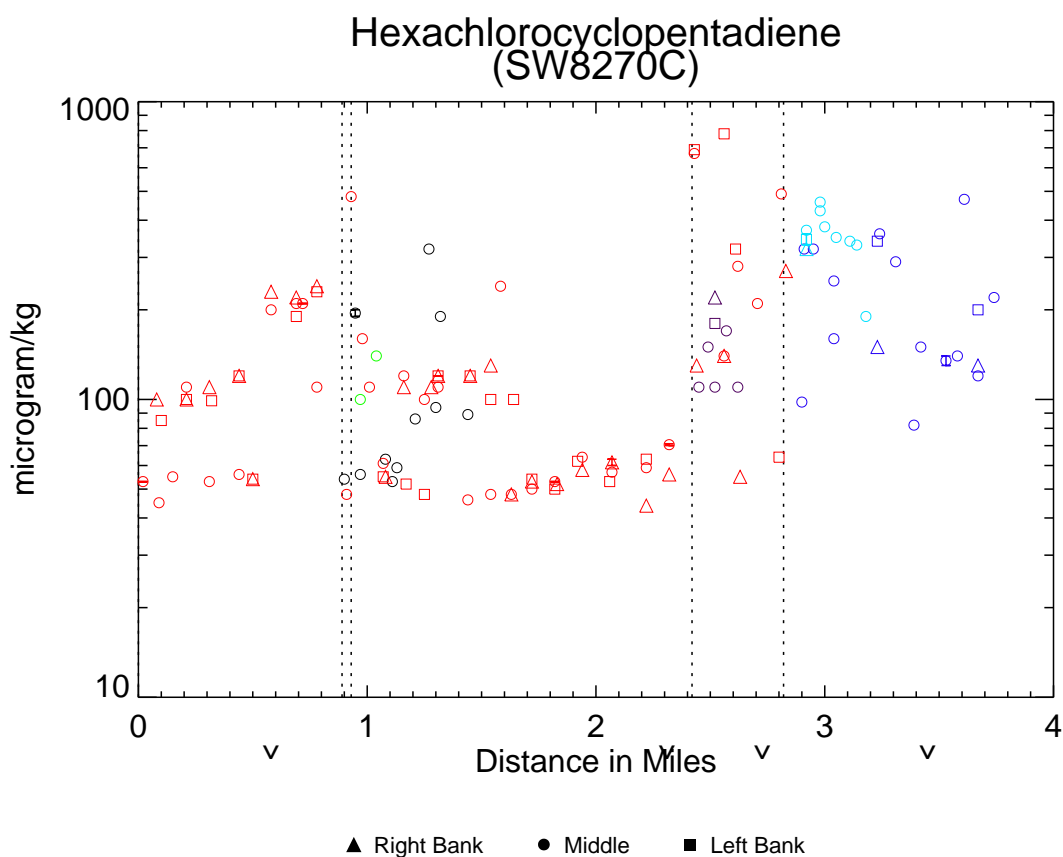
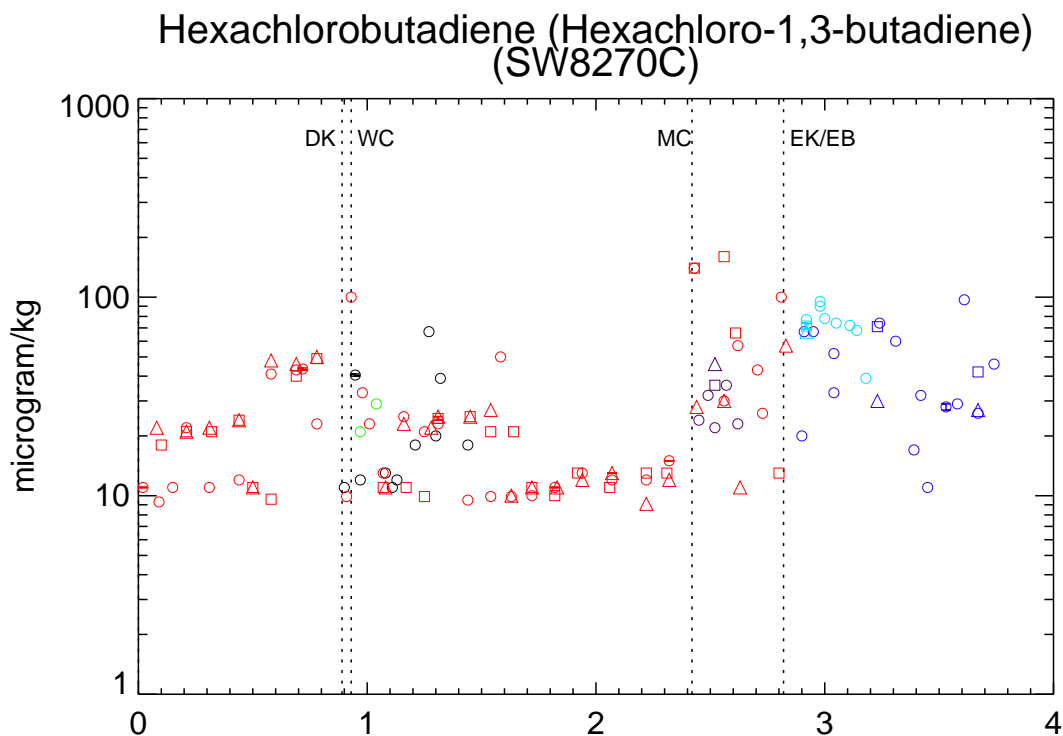
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

Figure A4-60
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

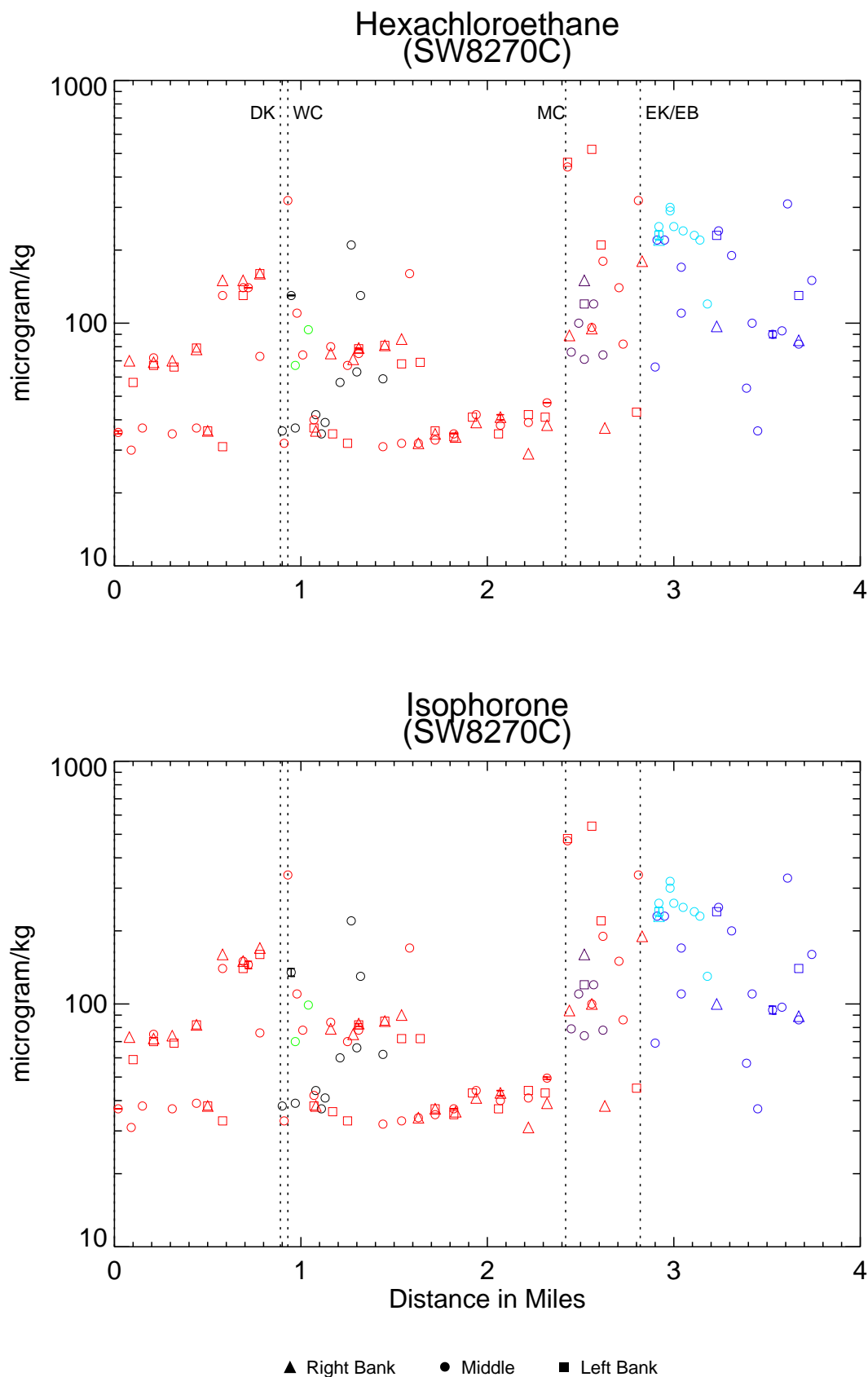
**Figure A4-61**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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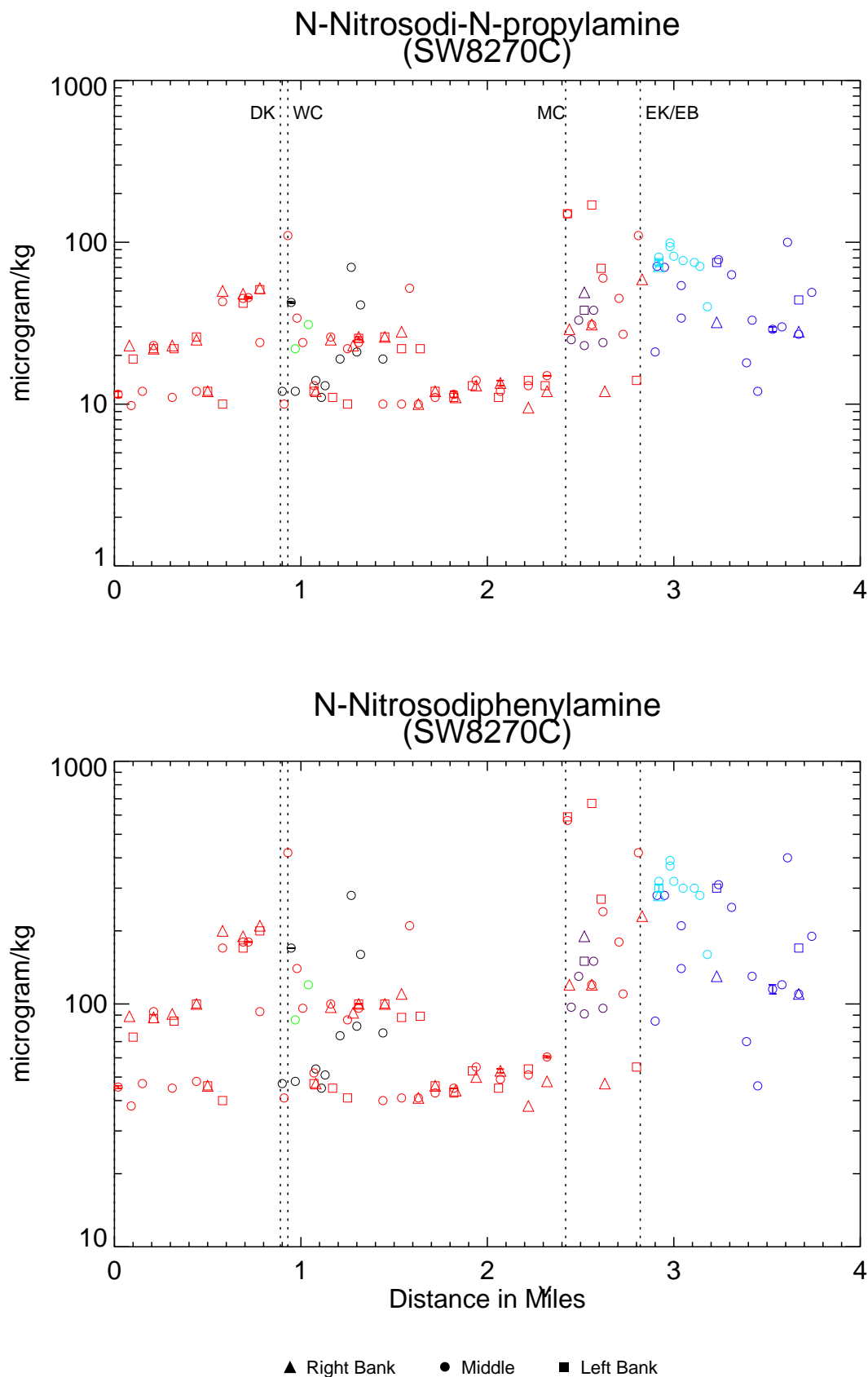
**Figure A4-62**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

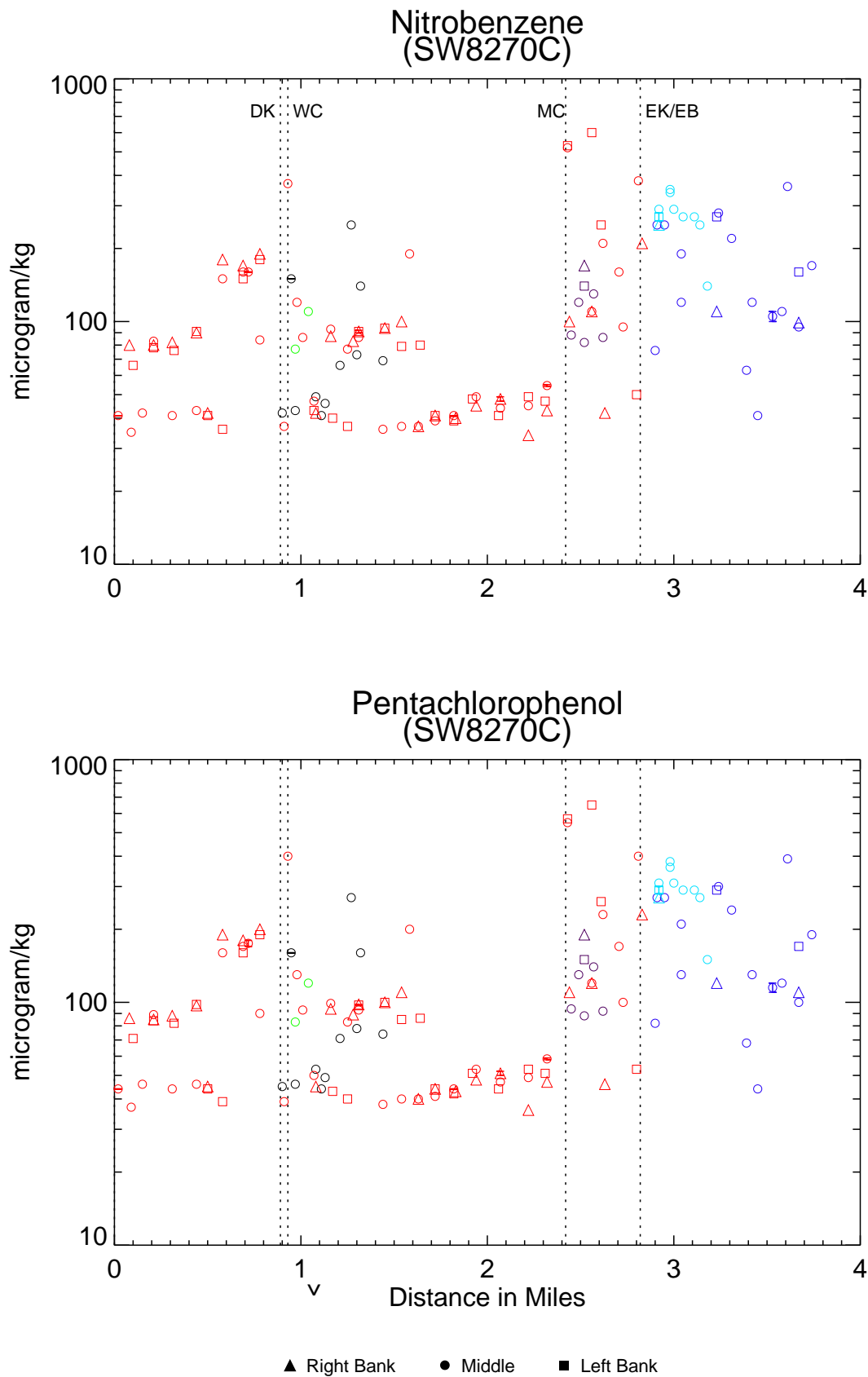
**Figure A4-63**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

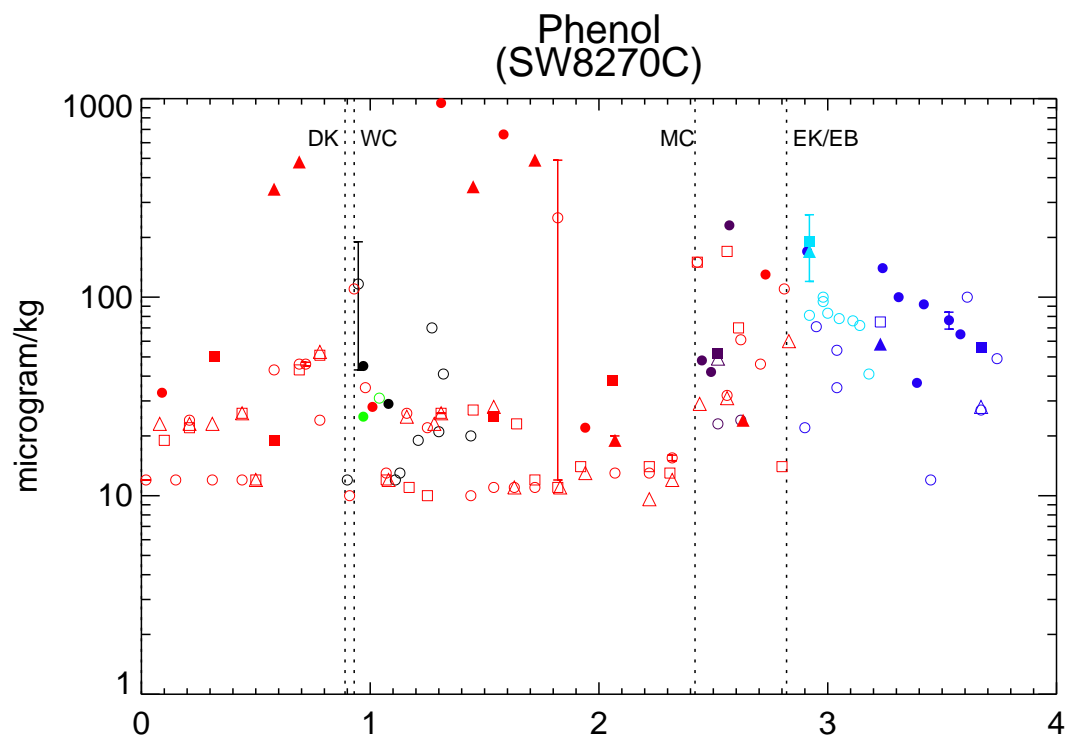
**Figure A4-64**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

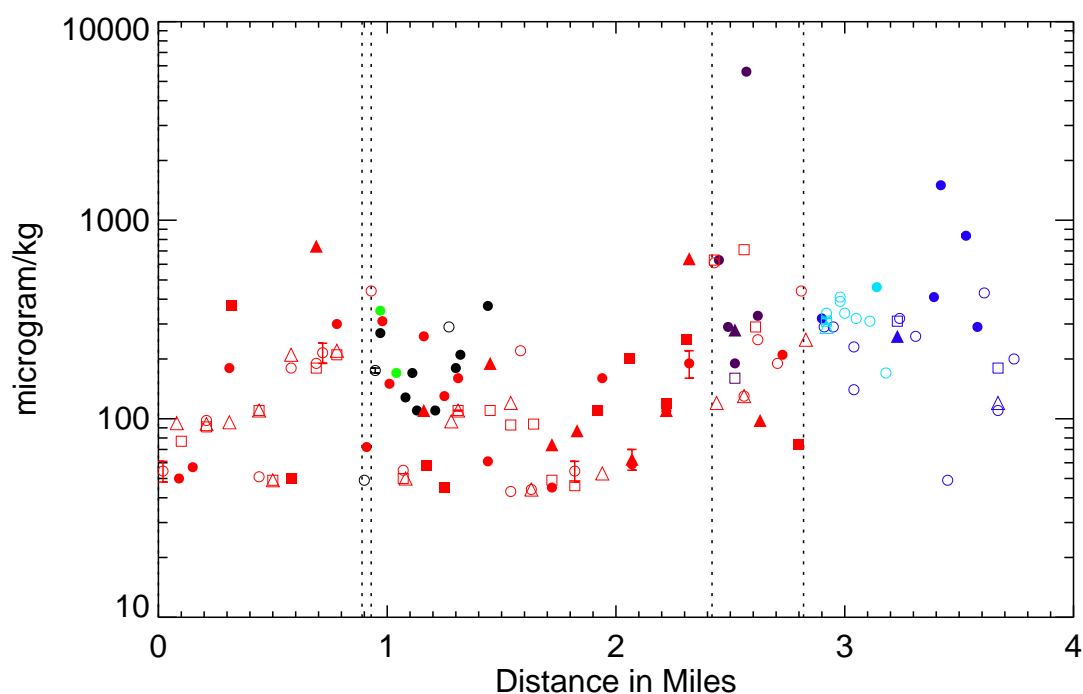
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



Total Cresol (o,m,p) (U = 0) (MDL)



▲ Right Bank ● Middle ■ Left Bank

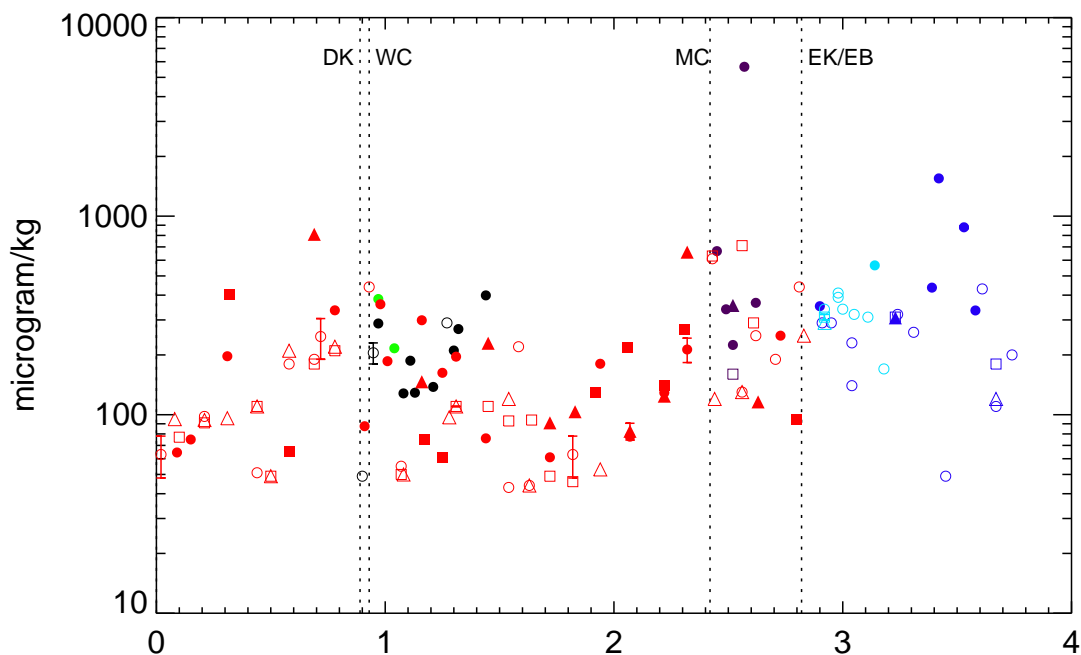
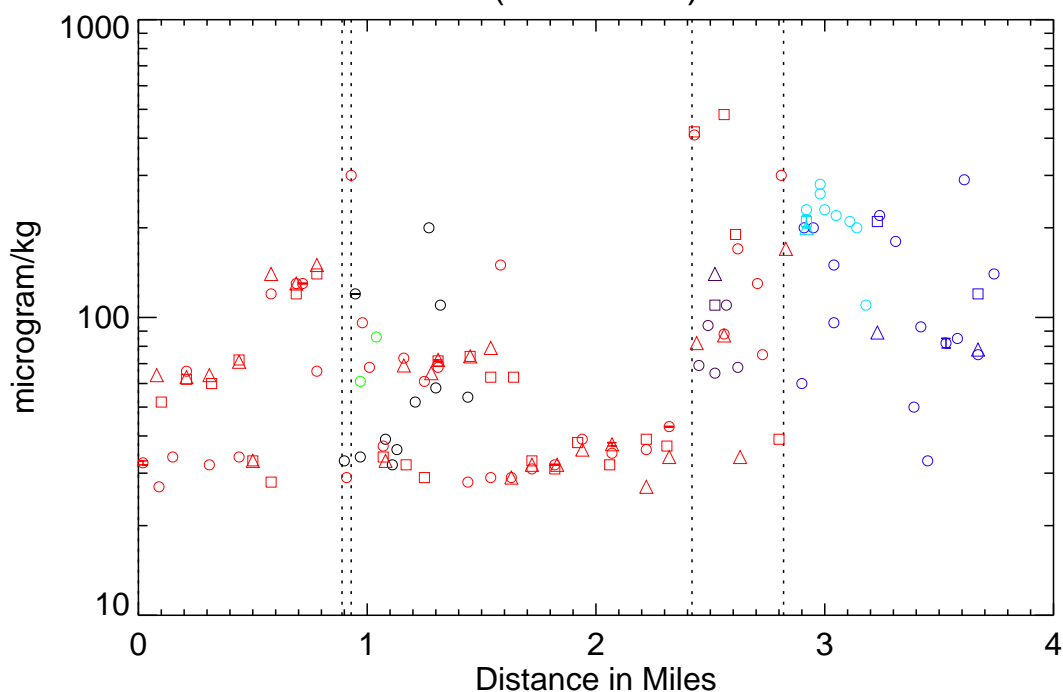


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-65
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total Cresol (o,m,p) (U = 1/2) (MDL)

bis(2-Chloroethoxy)methane
(SW8270C)

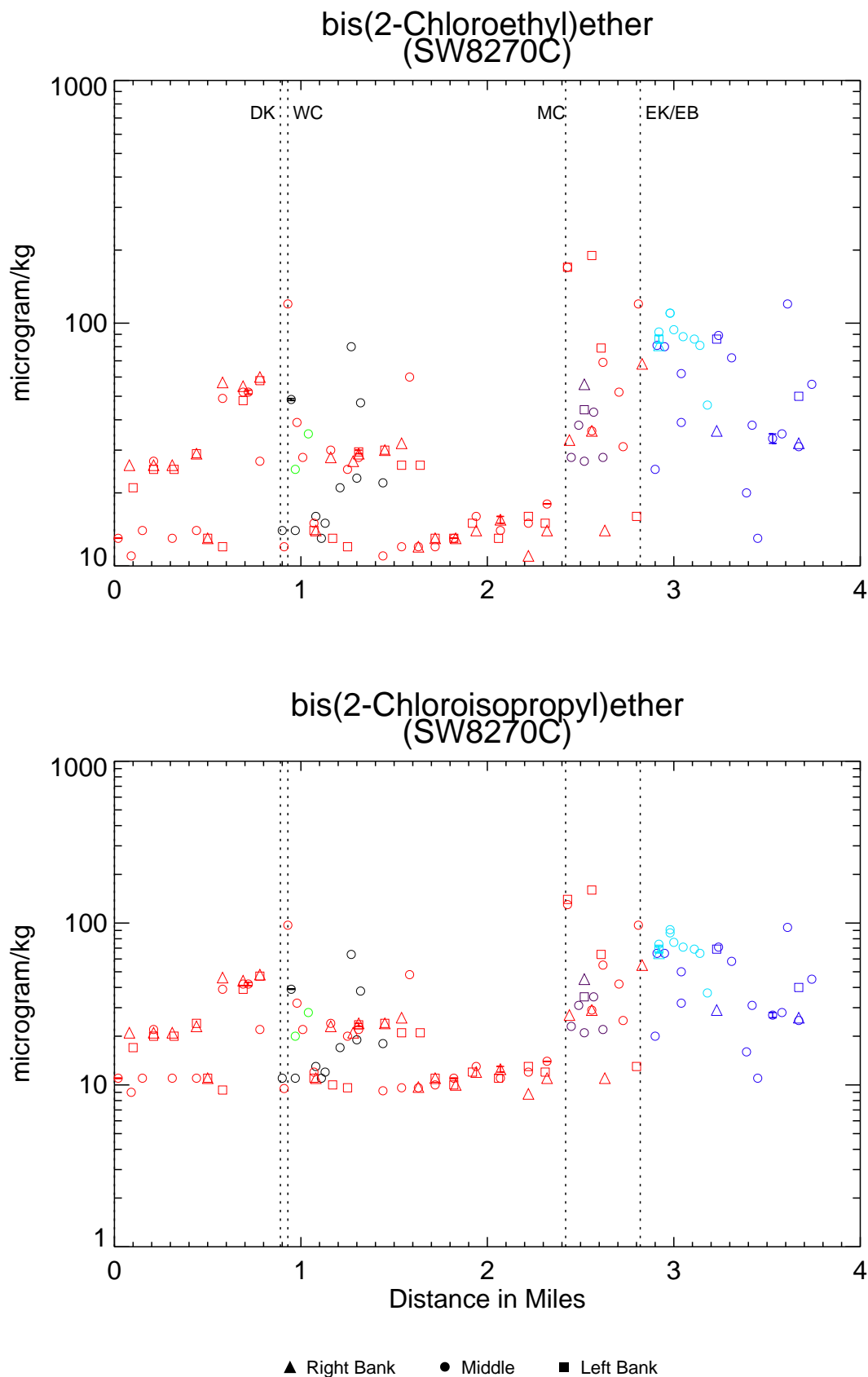
▲ Right Bank ● Middle ■ Left Bank



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-66
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

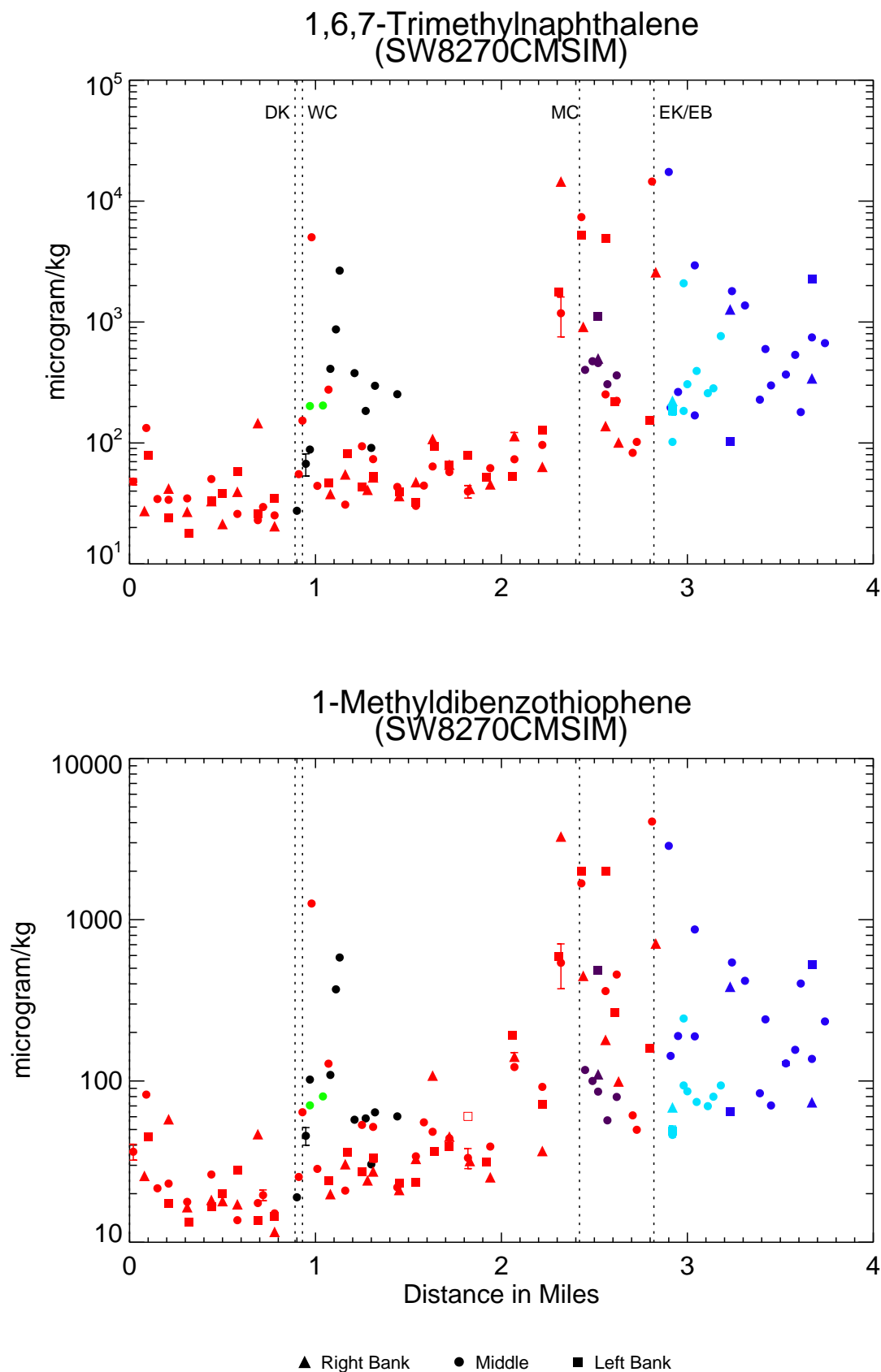
**Figure A4-67**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

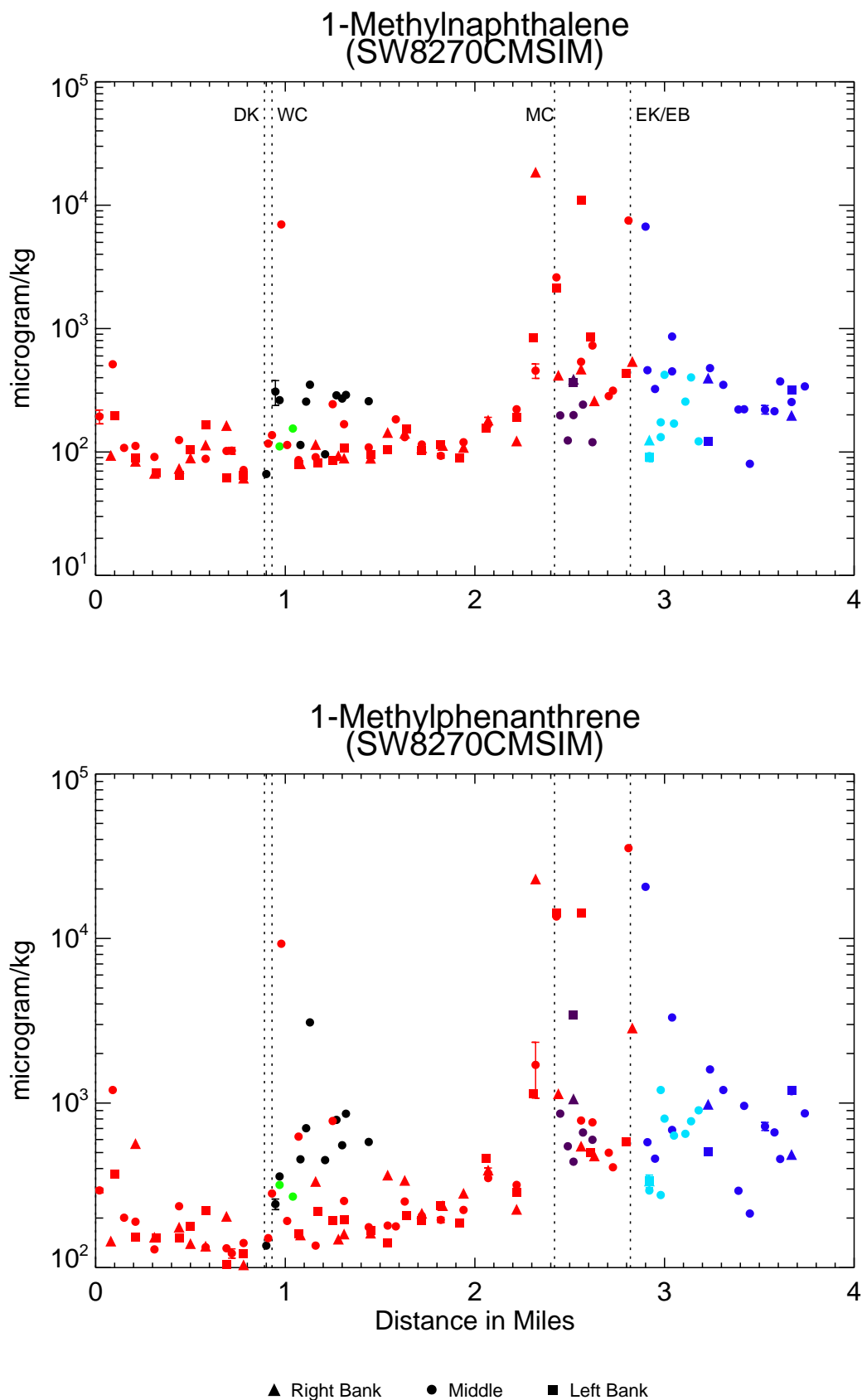
**Figure A4-68**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

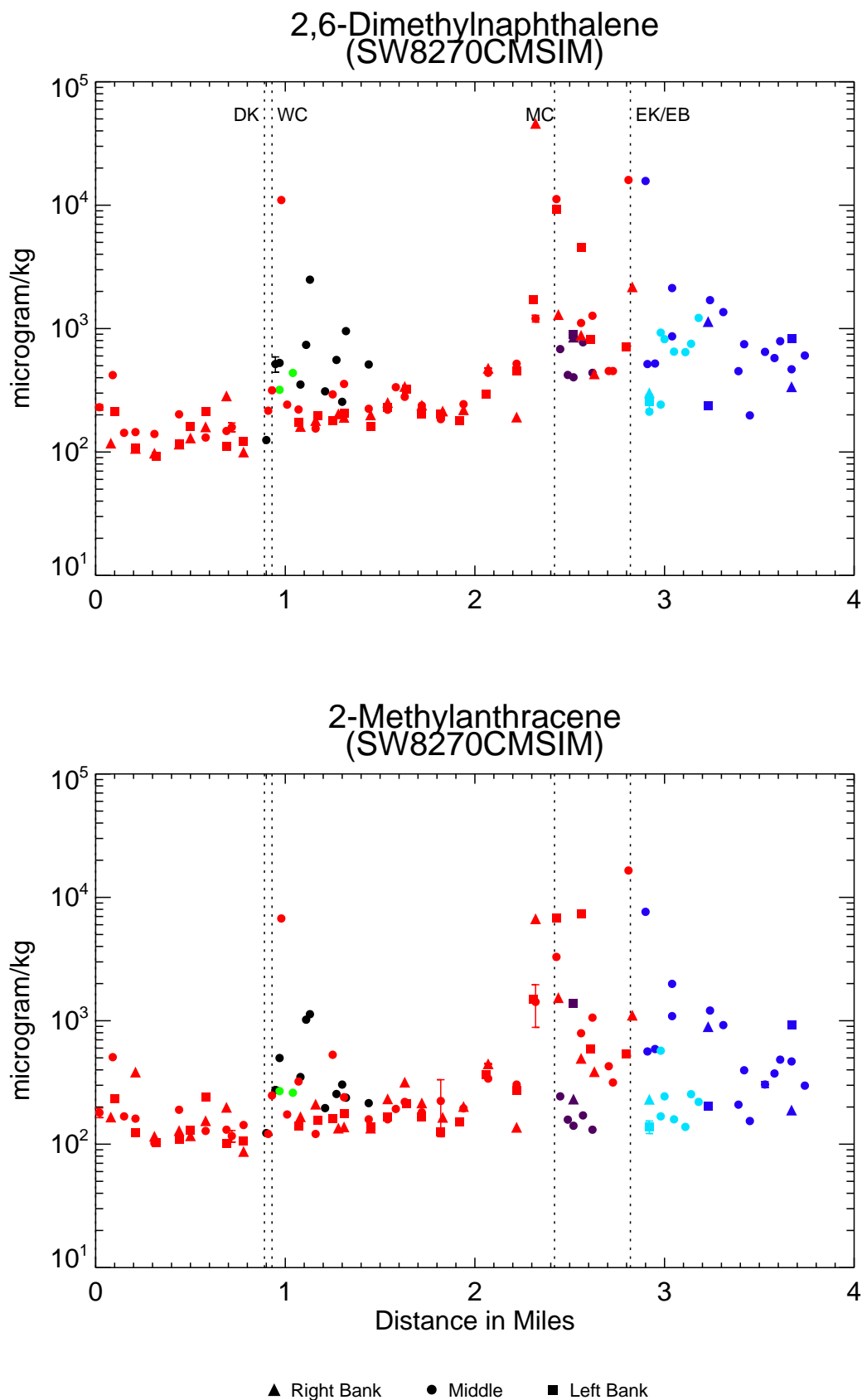
**Figure A4-69**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

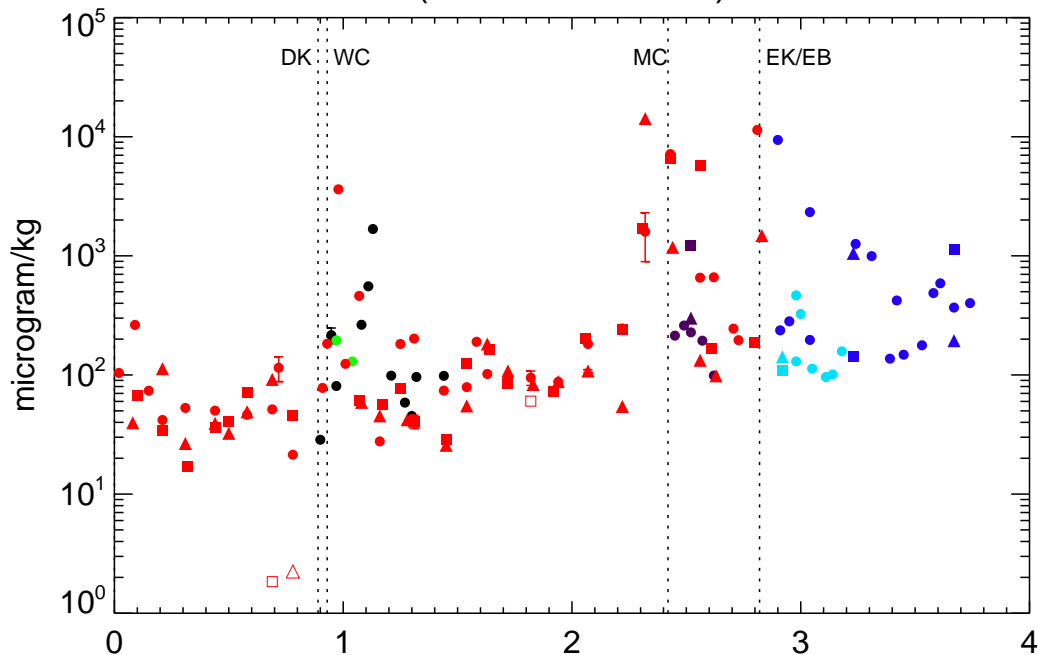


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

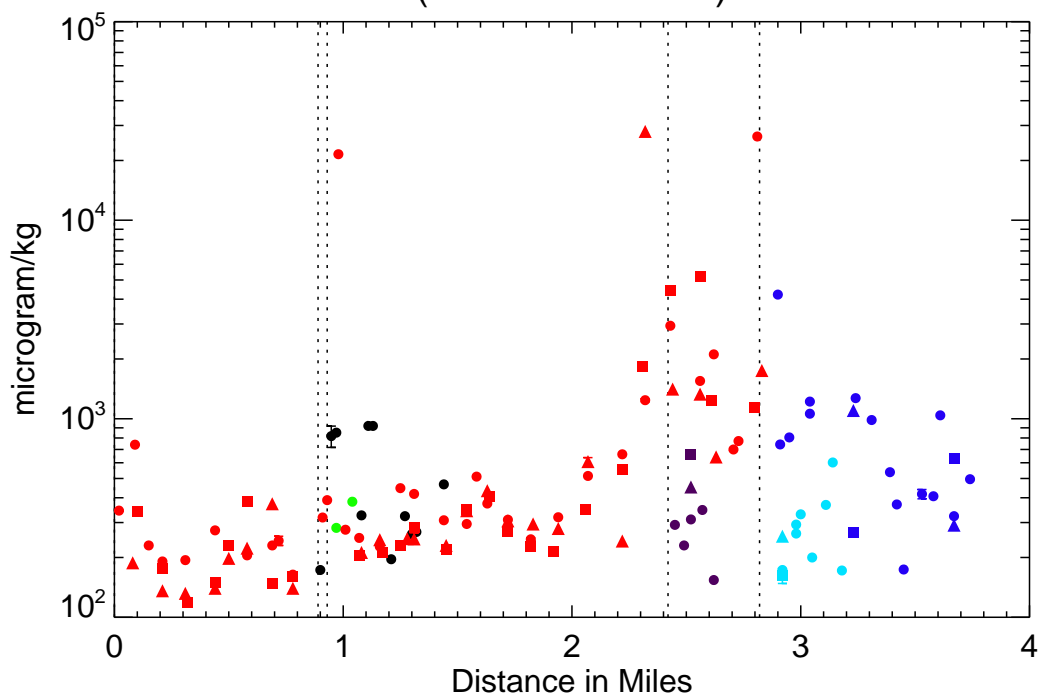
Figure A4-70
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

2-Methyldibenzothiophene & 3-Methyldibenzothiophene (SW8270CMSIM)



2-Methylnaphthalene (SW8270CMSIM)



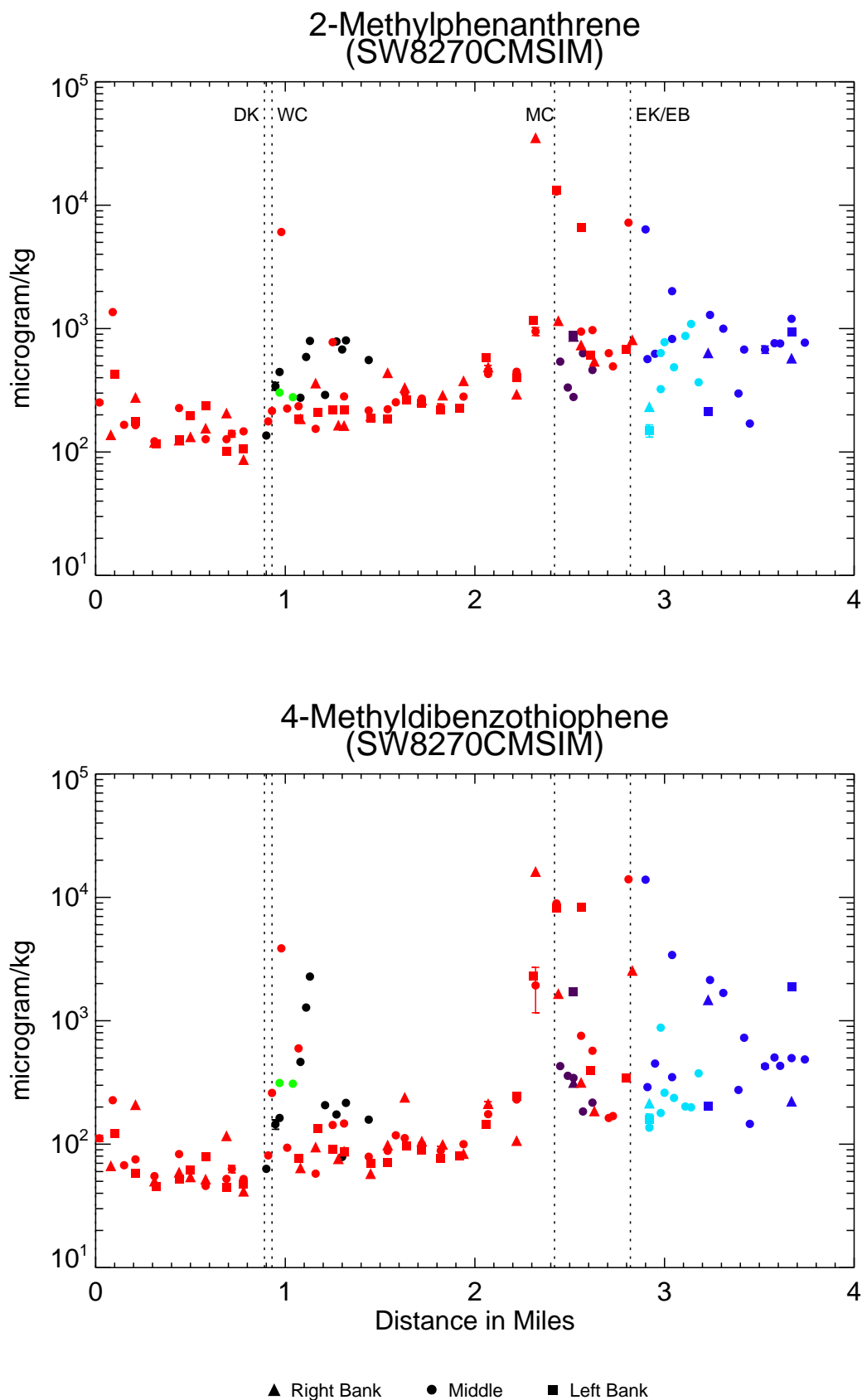
▲ Right Bank ● Middle ■ Left Bank



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-71
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

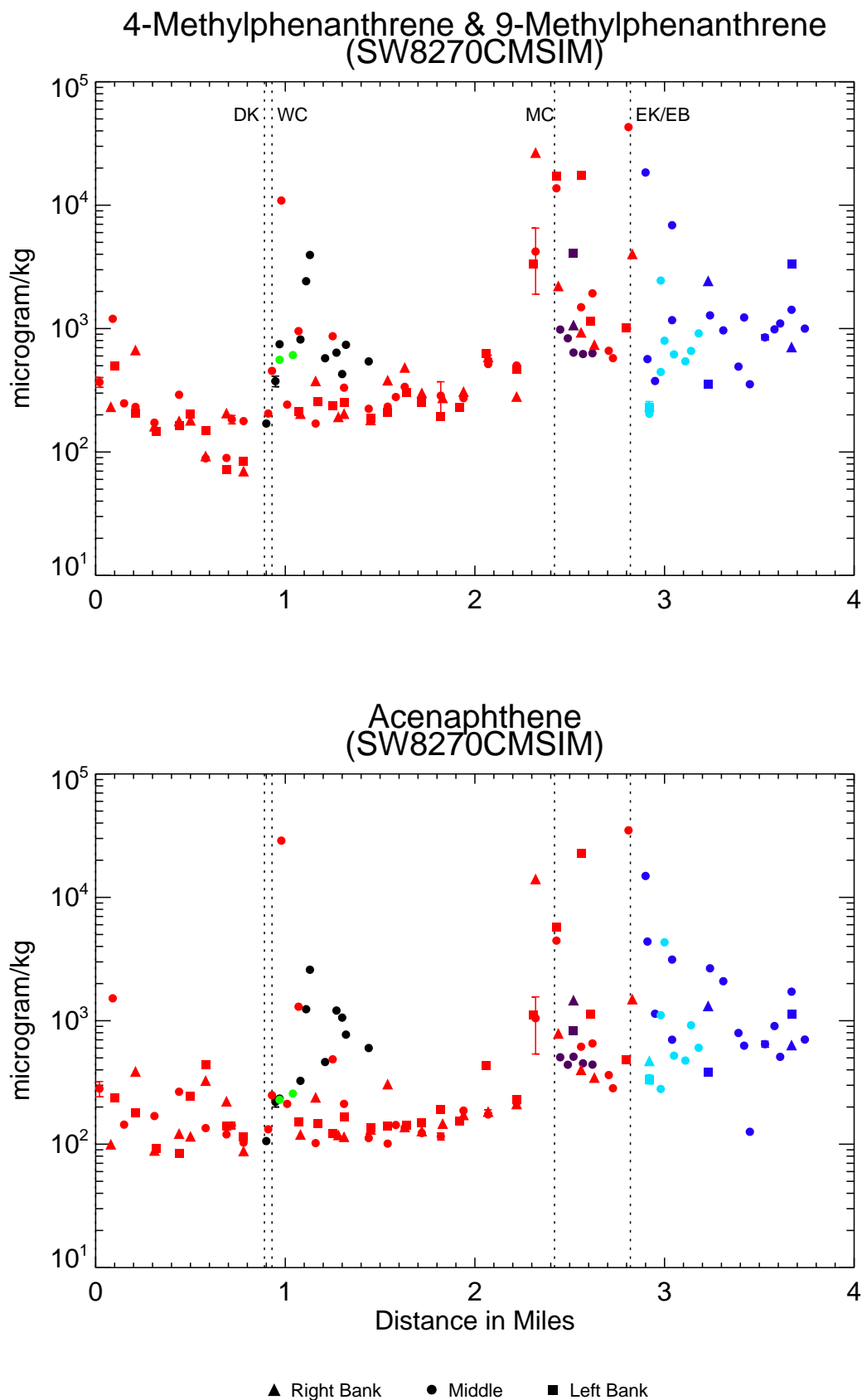
**Figure A4-72**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

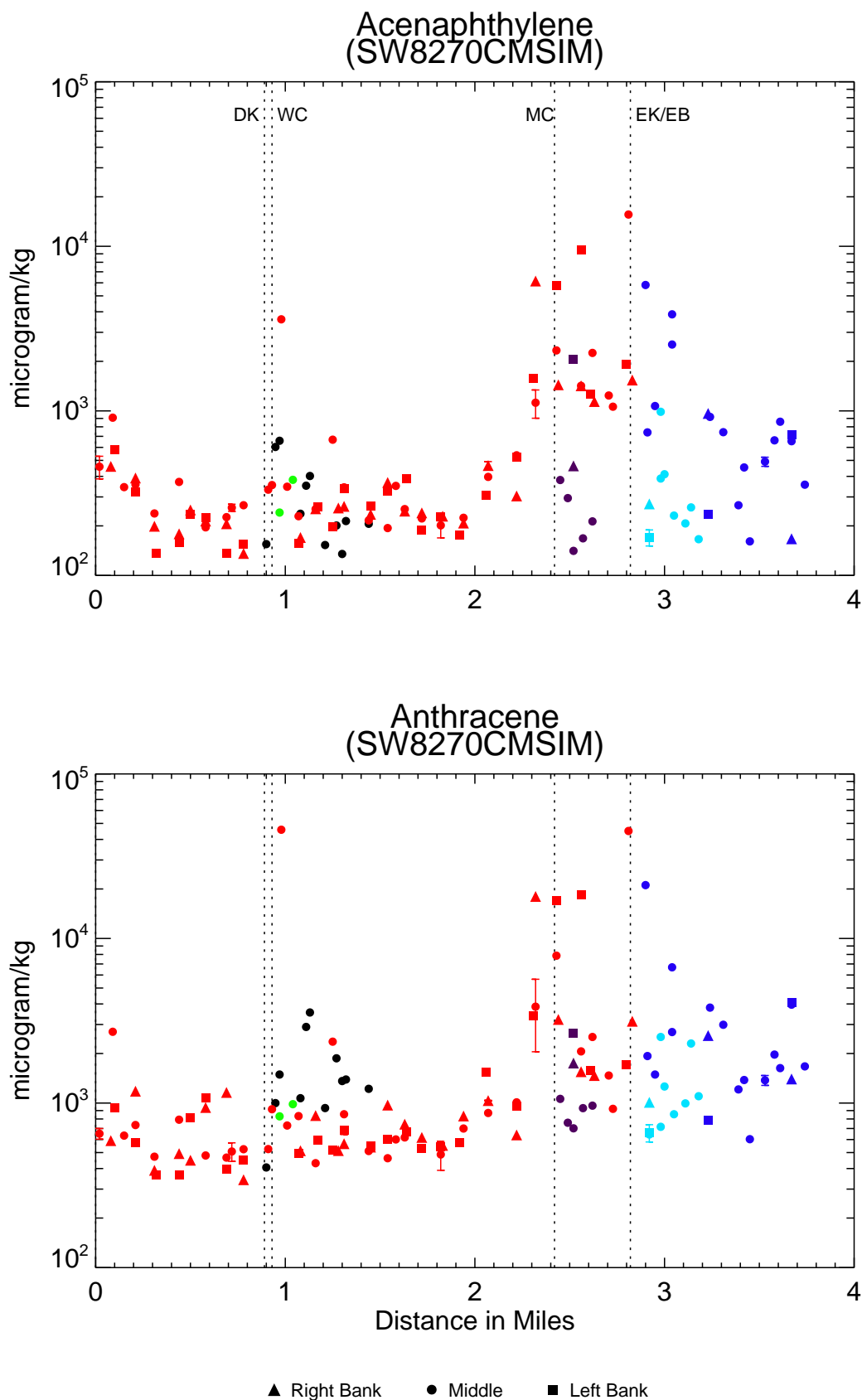
**Figure A4-73**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



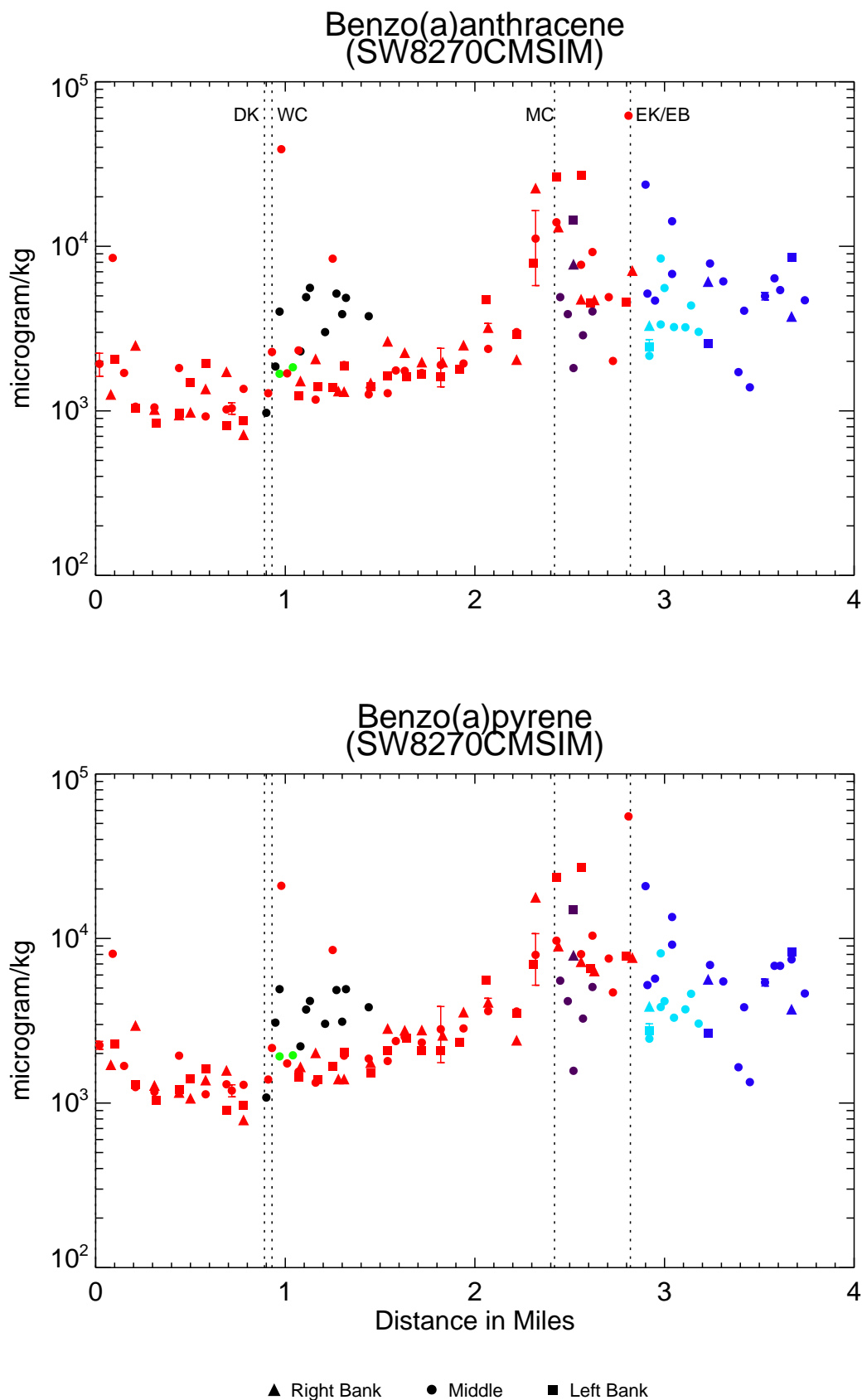
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-74
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

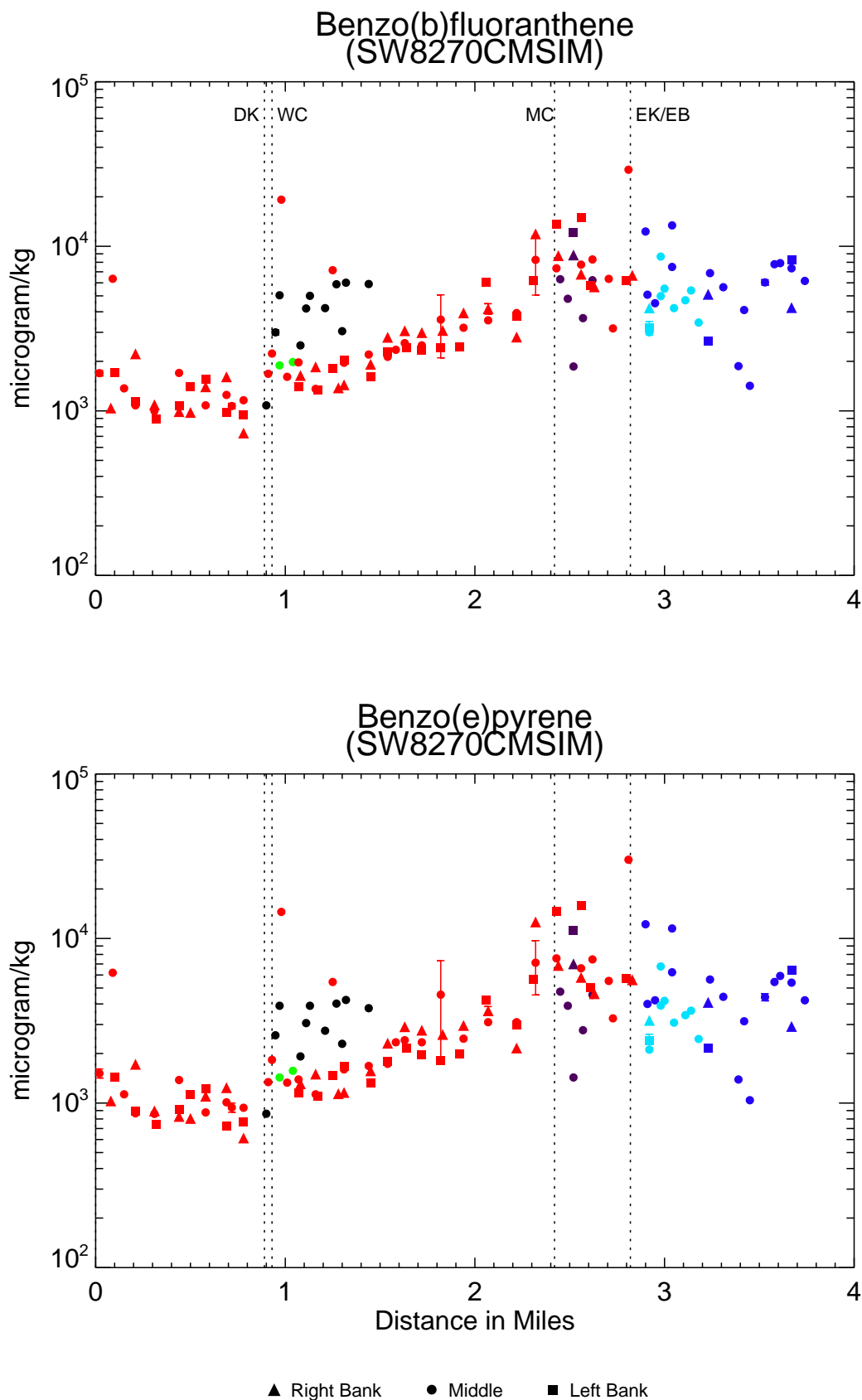
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-75
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

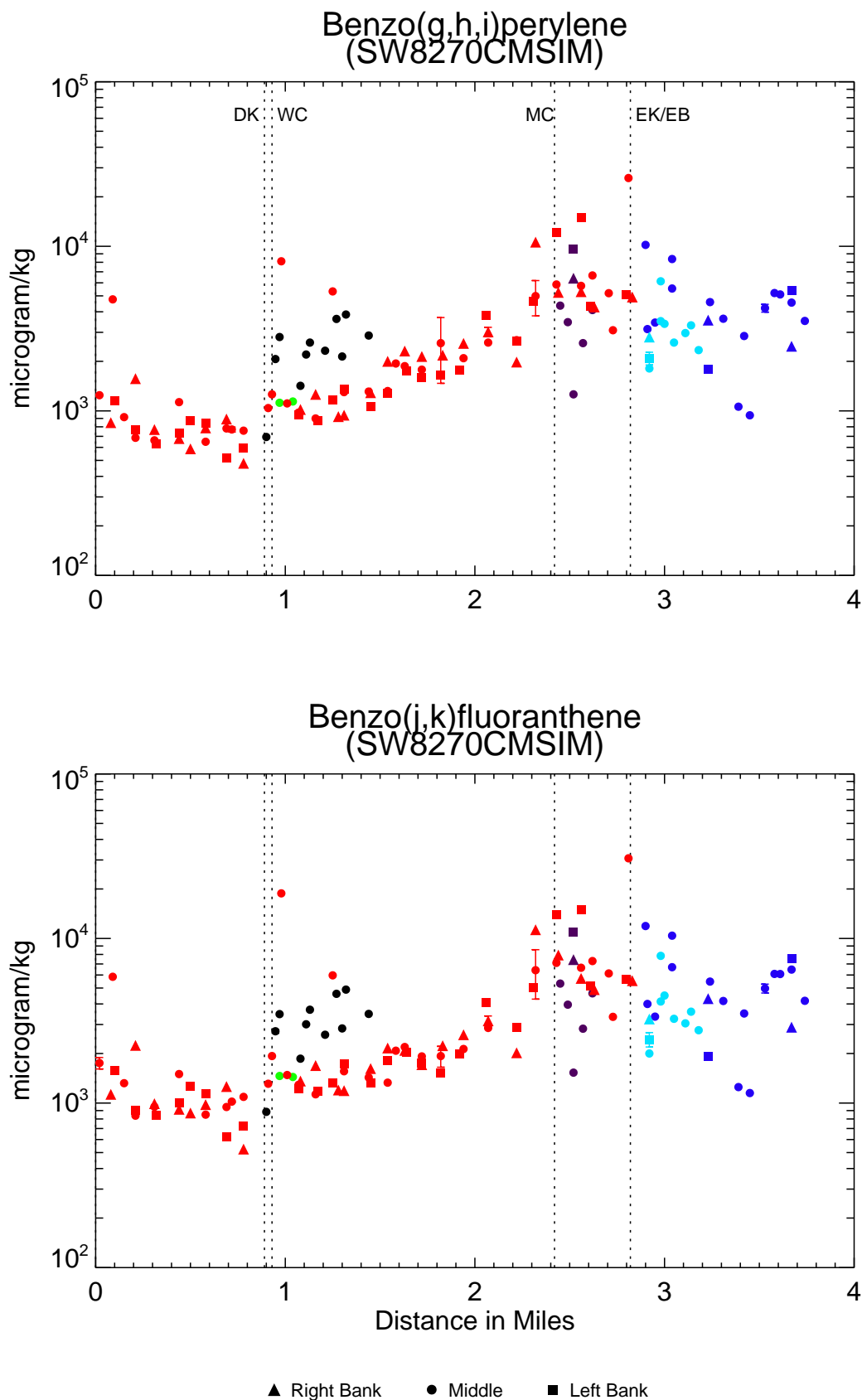
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-76
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

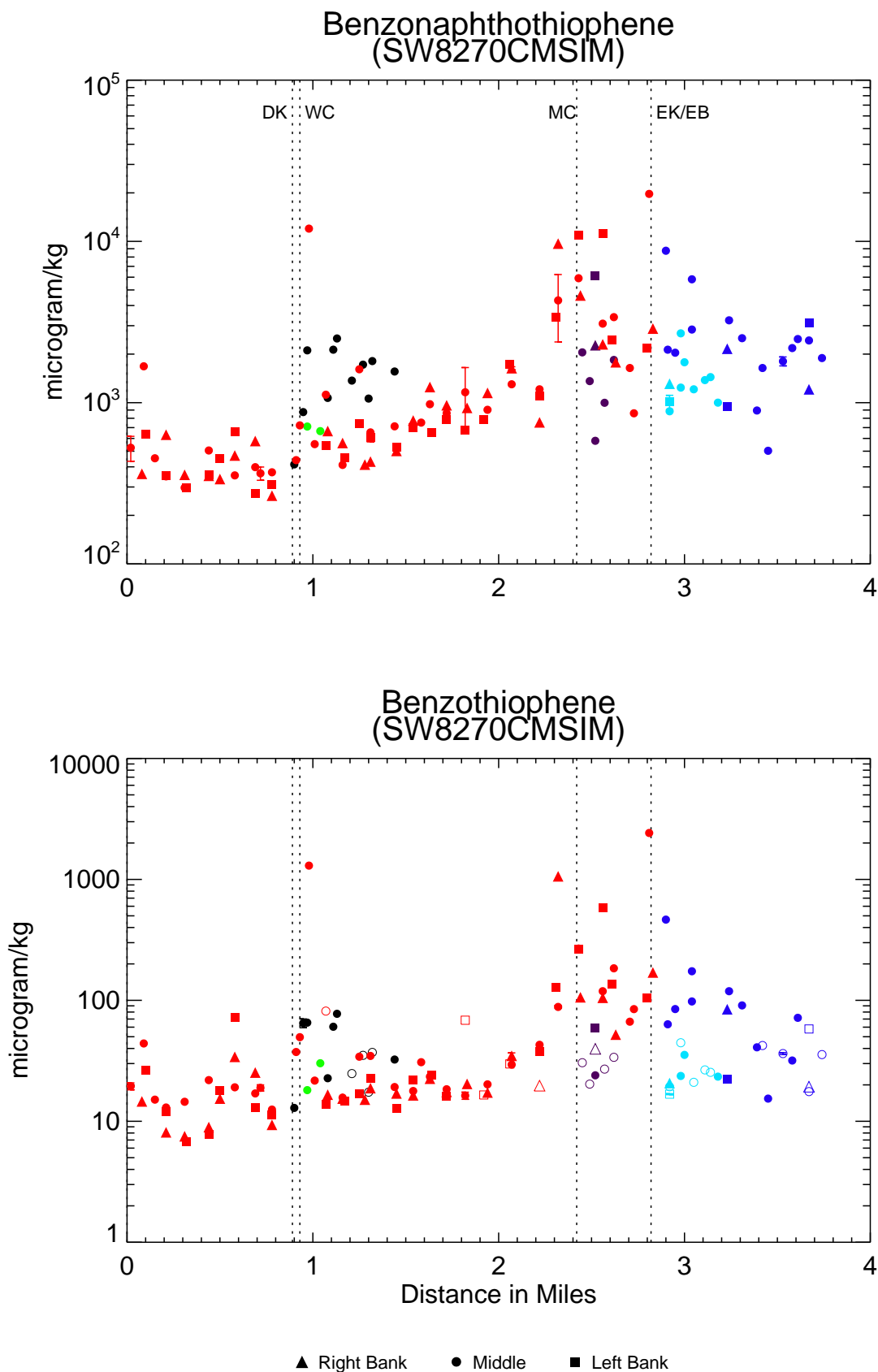
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-77
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

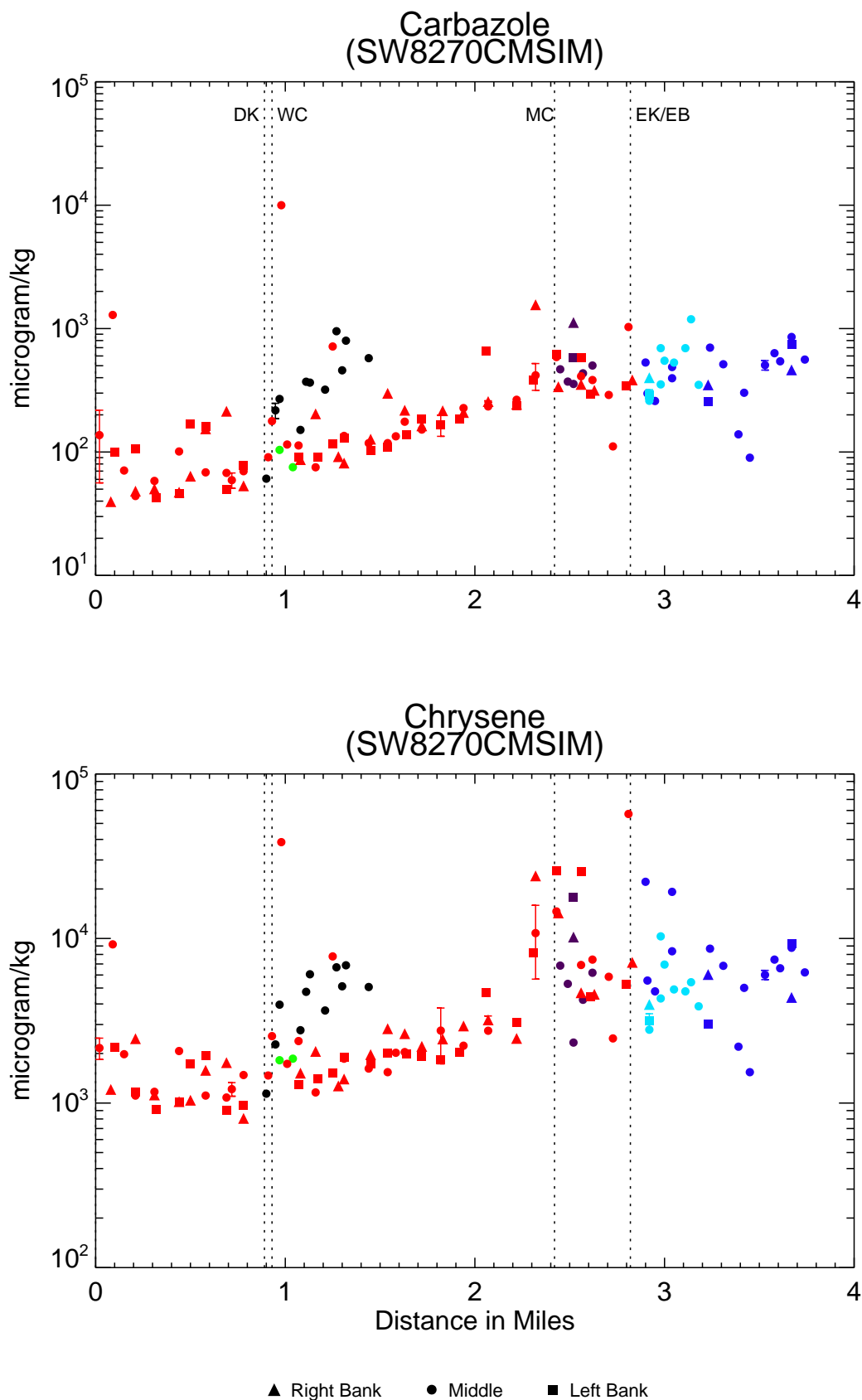
**Figure A4-78**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

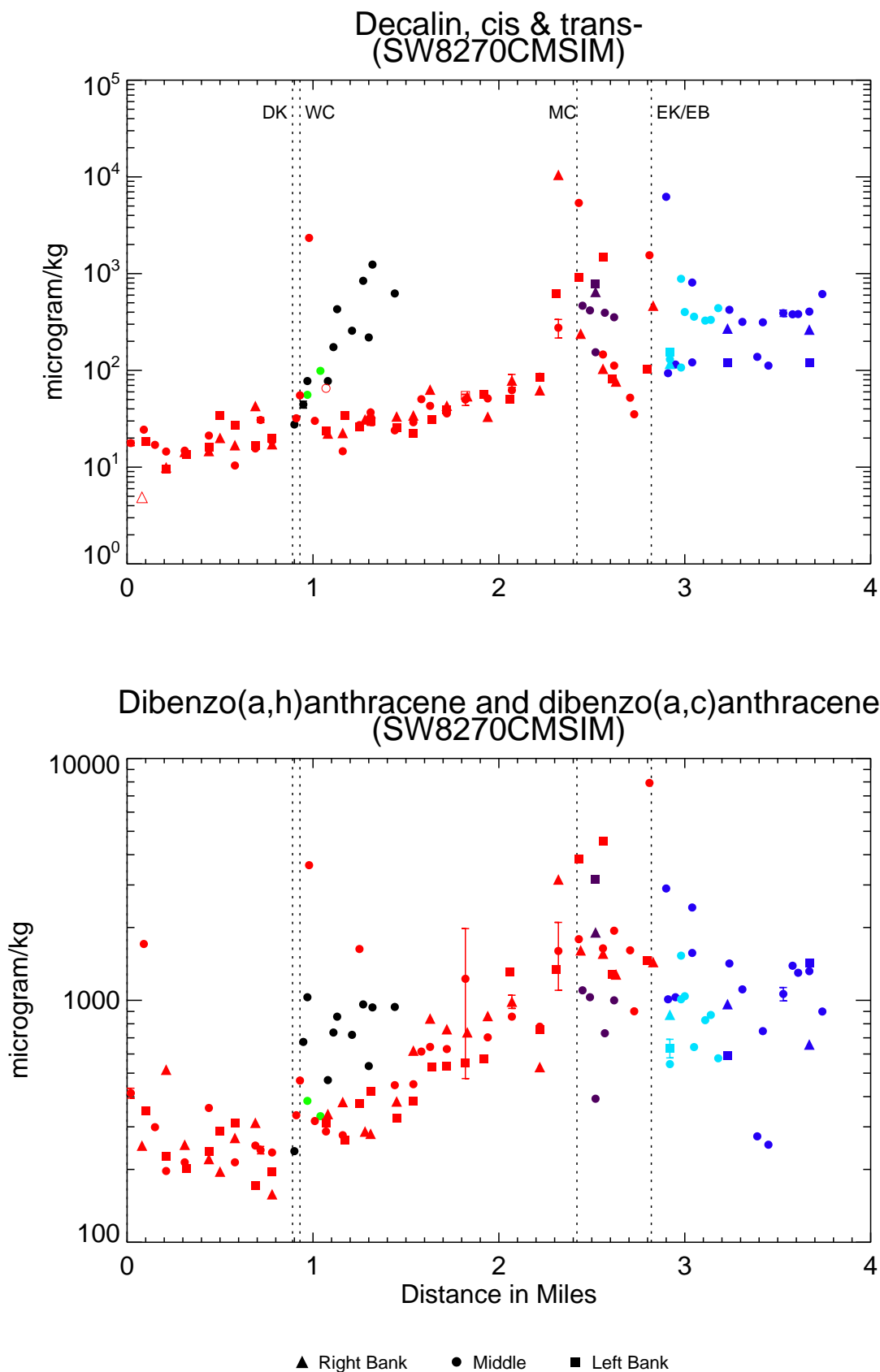
**Figure A4-79**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

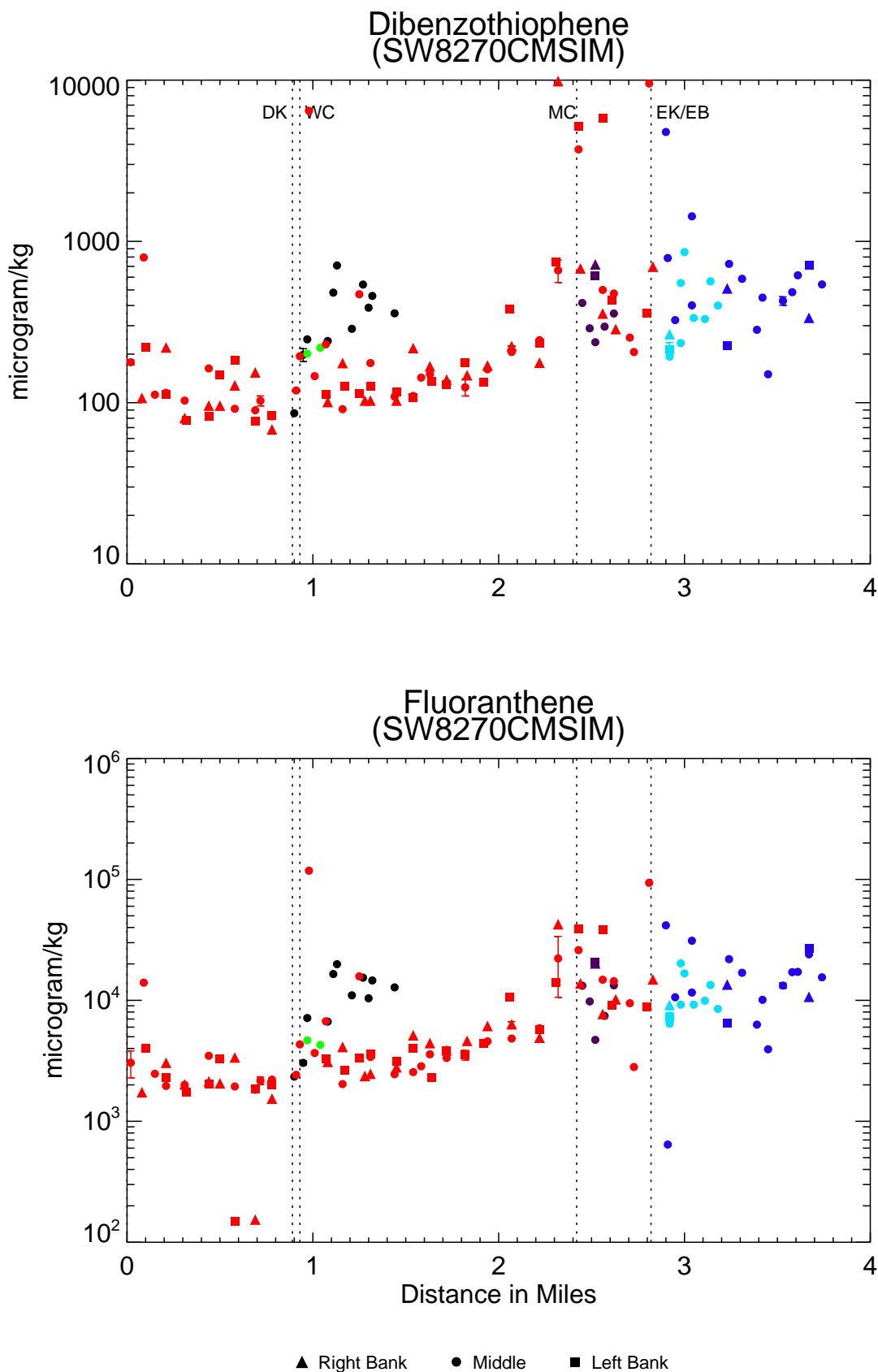
**Figure A4-80**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

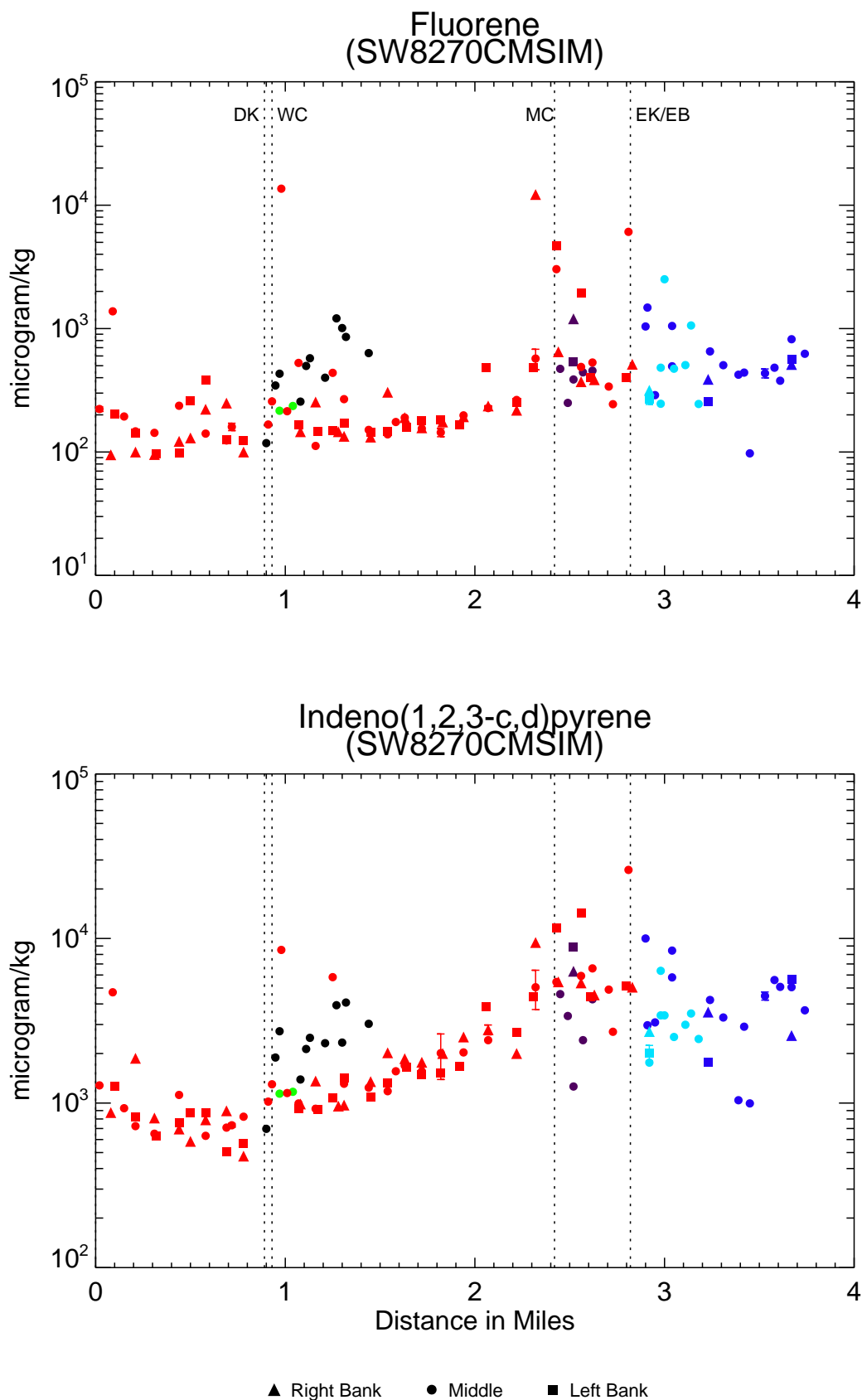
**Figure A4-81**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



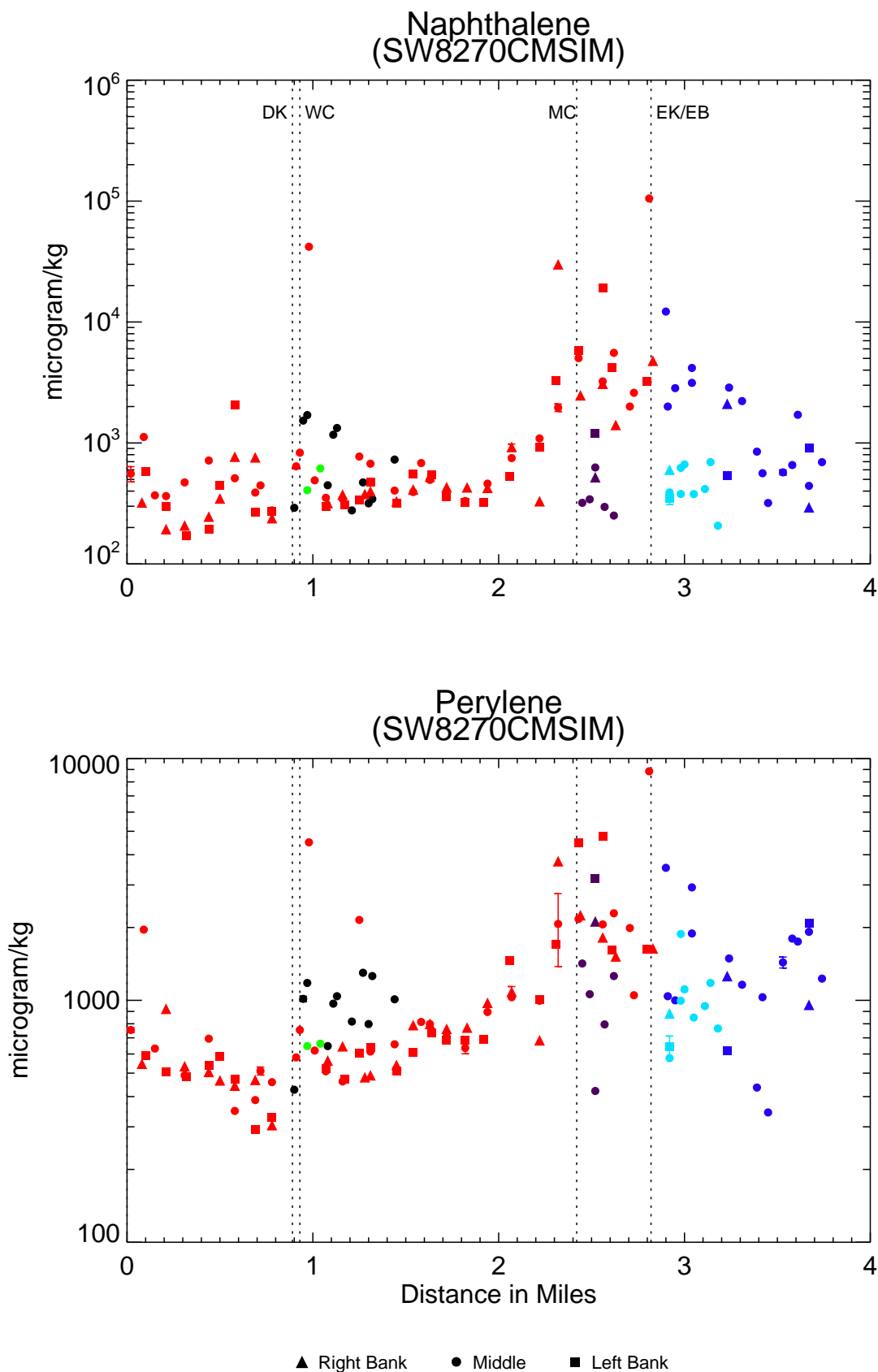
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93 mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-82
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

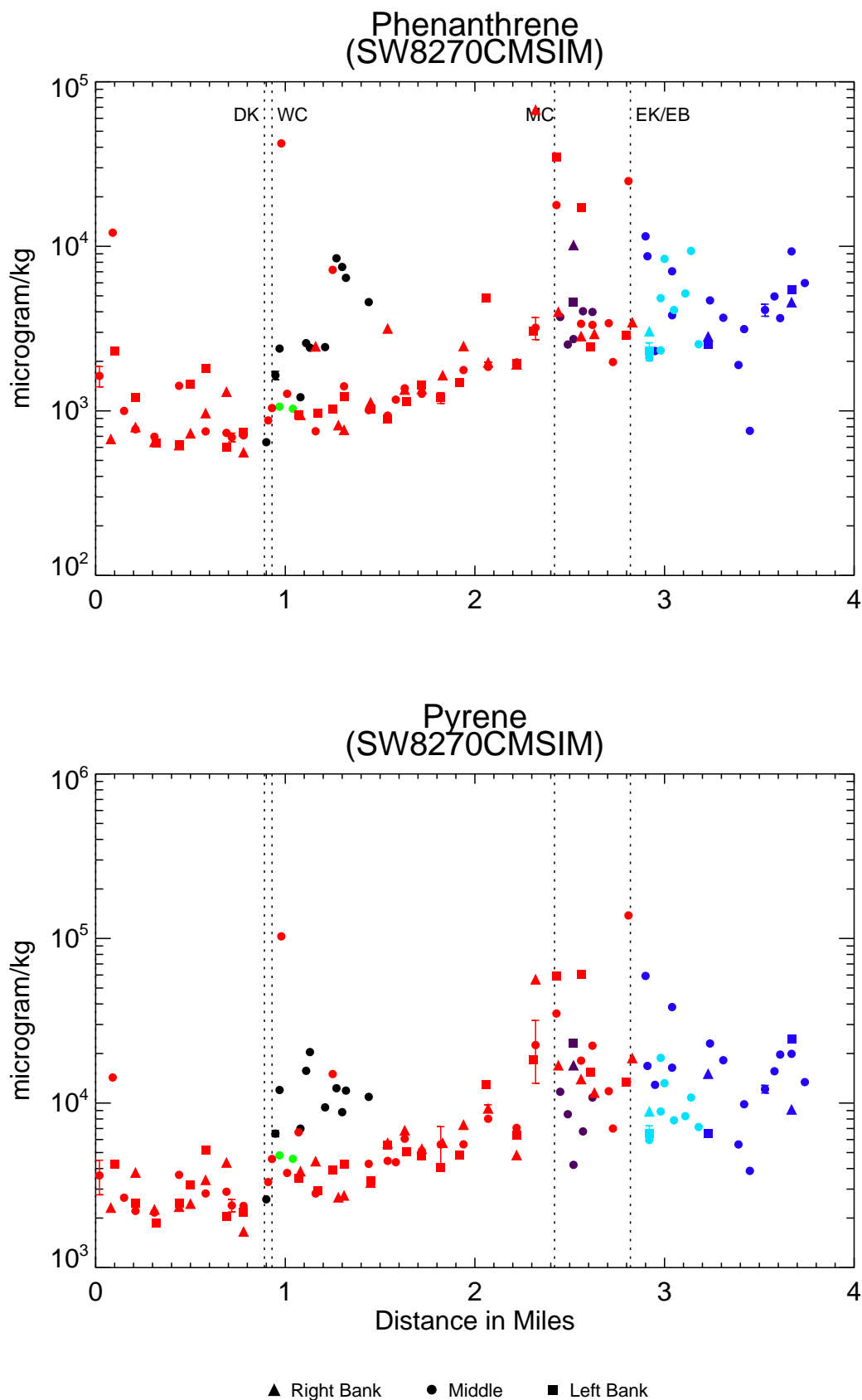
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-83
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

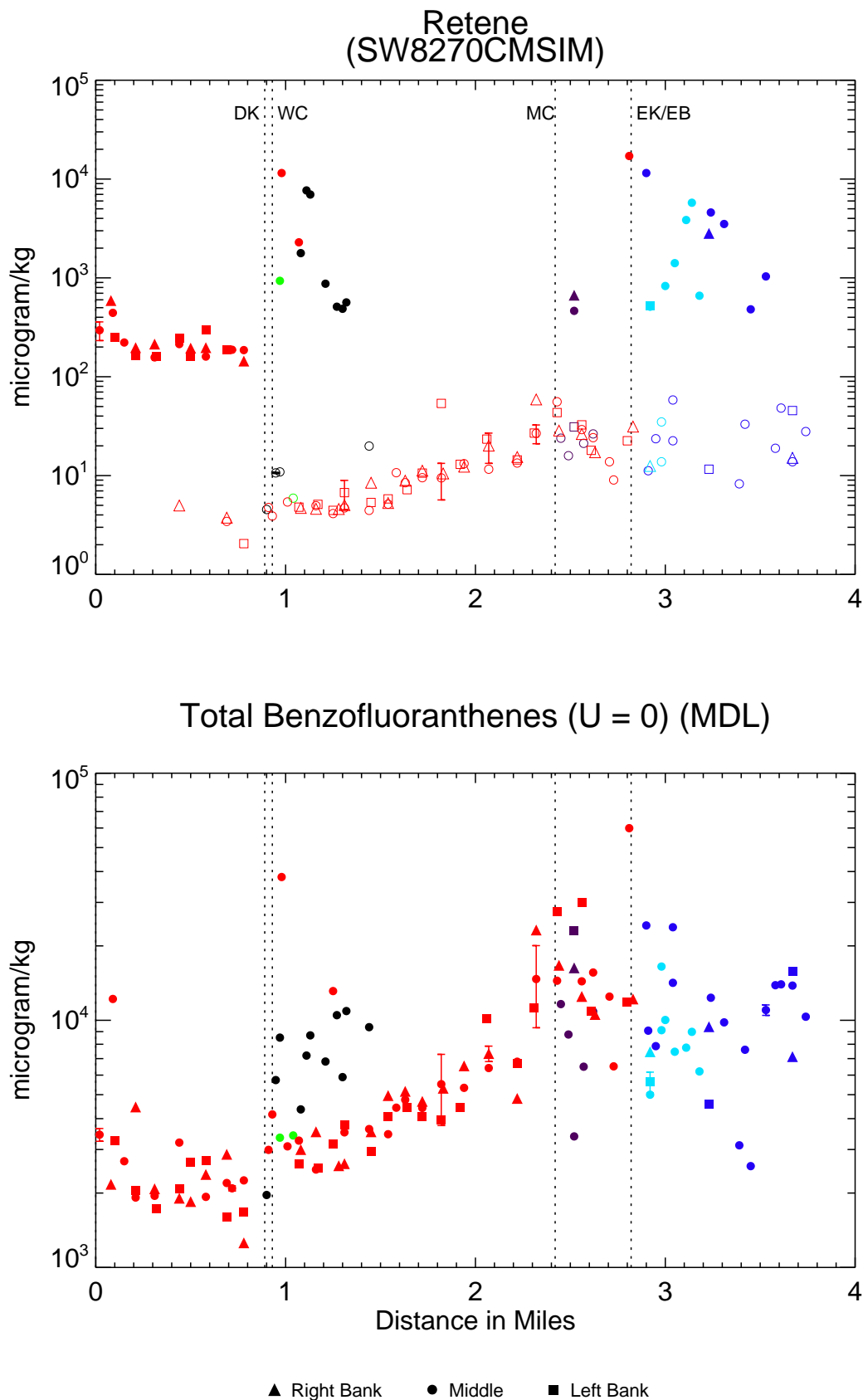
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-84
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

**Figure A4-85**

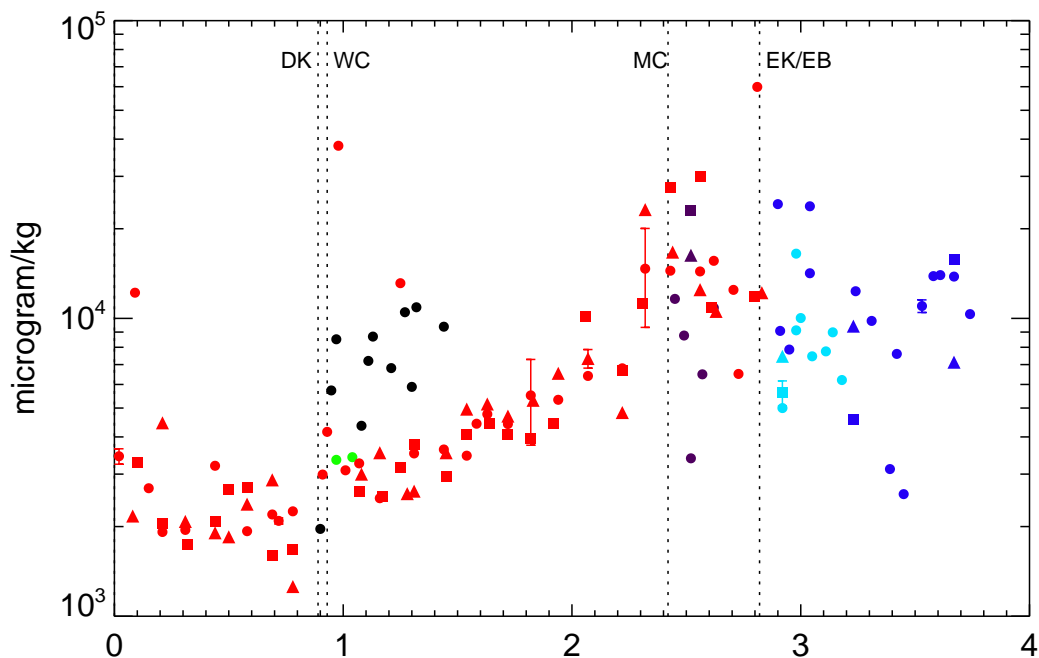
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

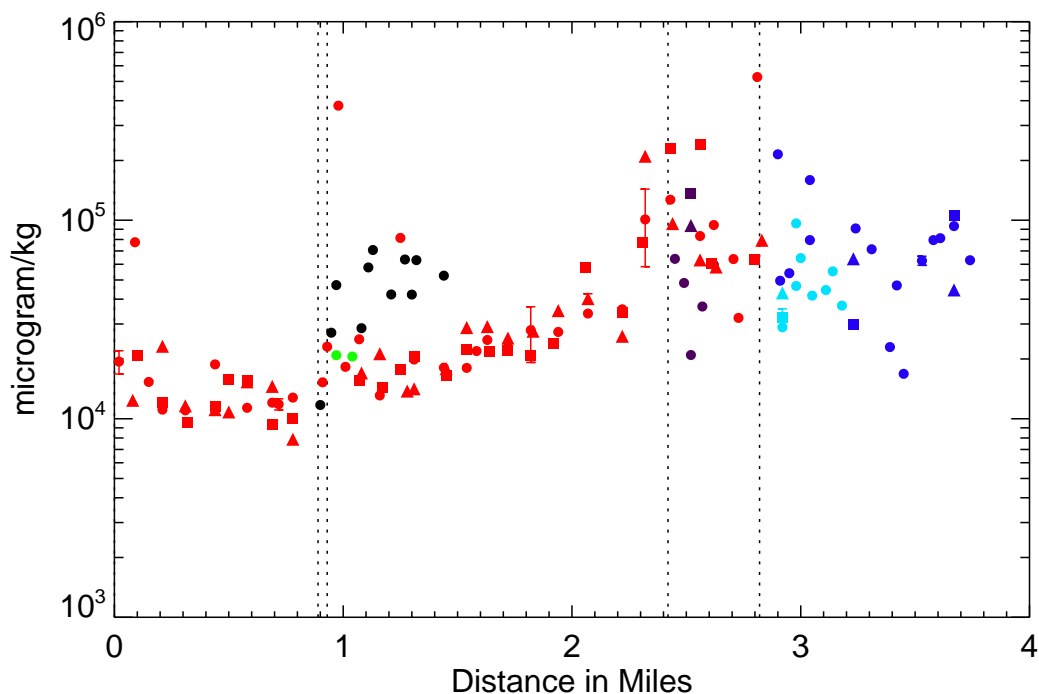


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Total Benzofluoranthenes (U = 1/2) (MDL)



Total HPAH (9 of 16) (U = 0) (MDL)



▲ Right Bank ● Middle ■ Left Bank

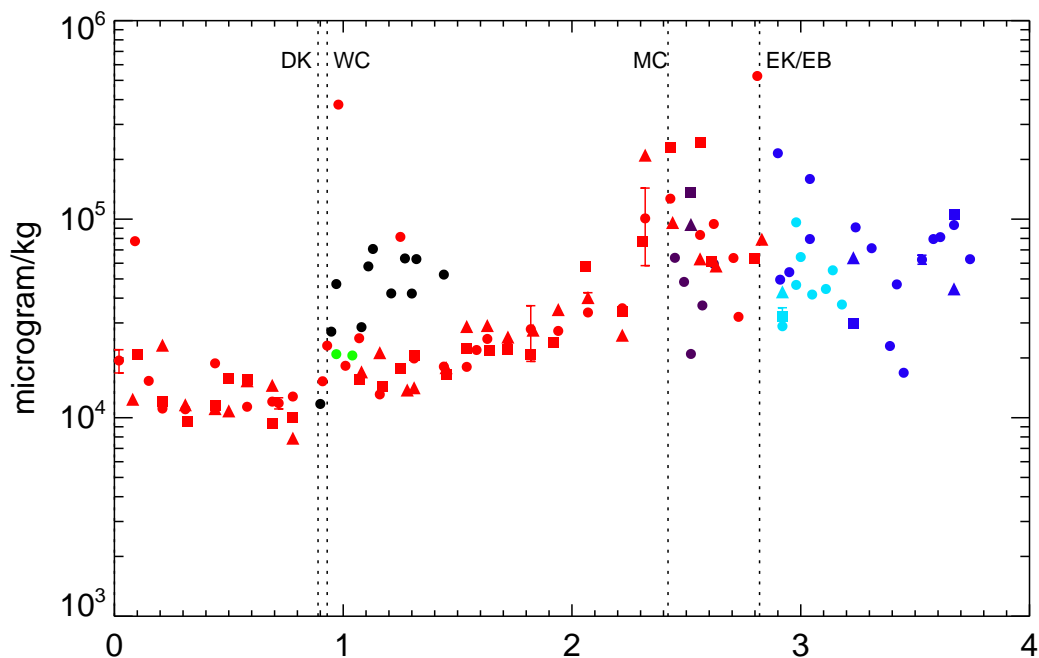


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

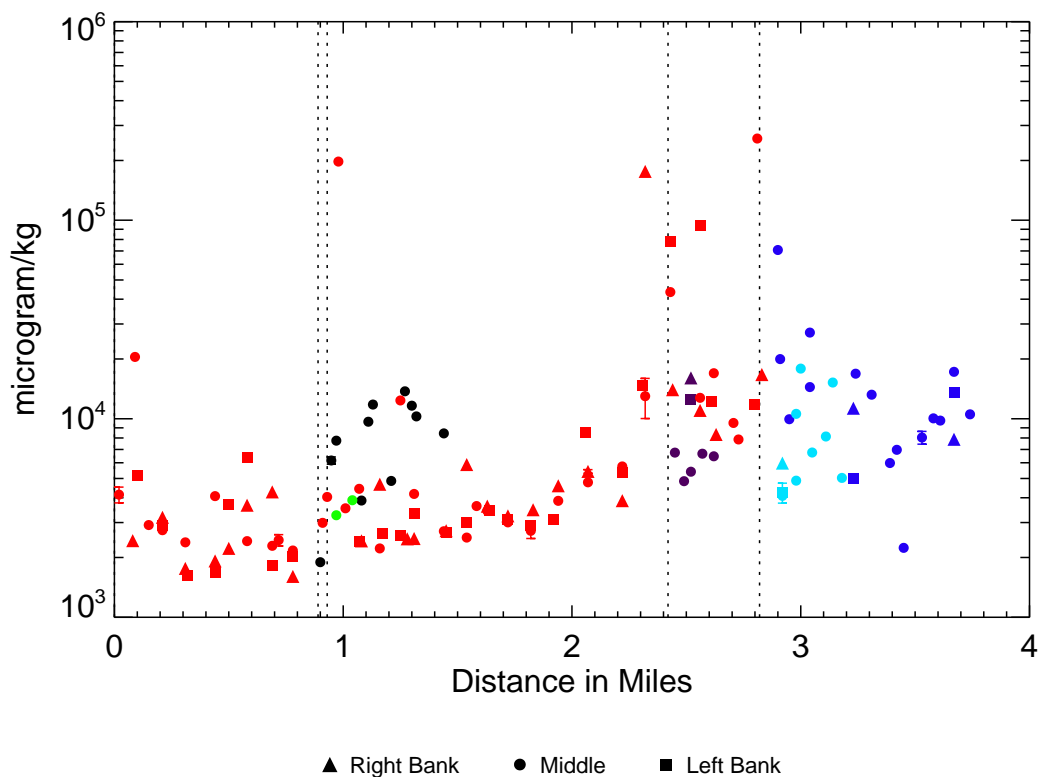
Figure A4-86
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total HPAH (9 of 16) (U = 1/2) (MDL)



Total LPAH (7 of 16) (U = 0) (MDL)

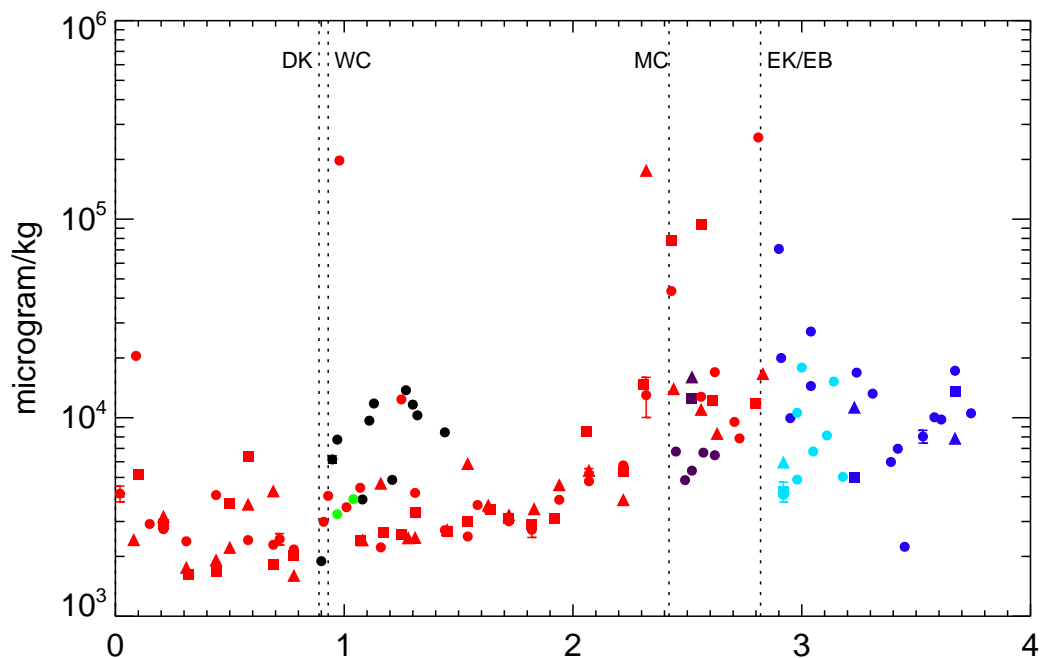


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

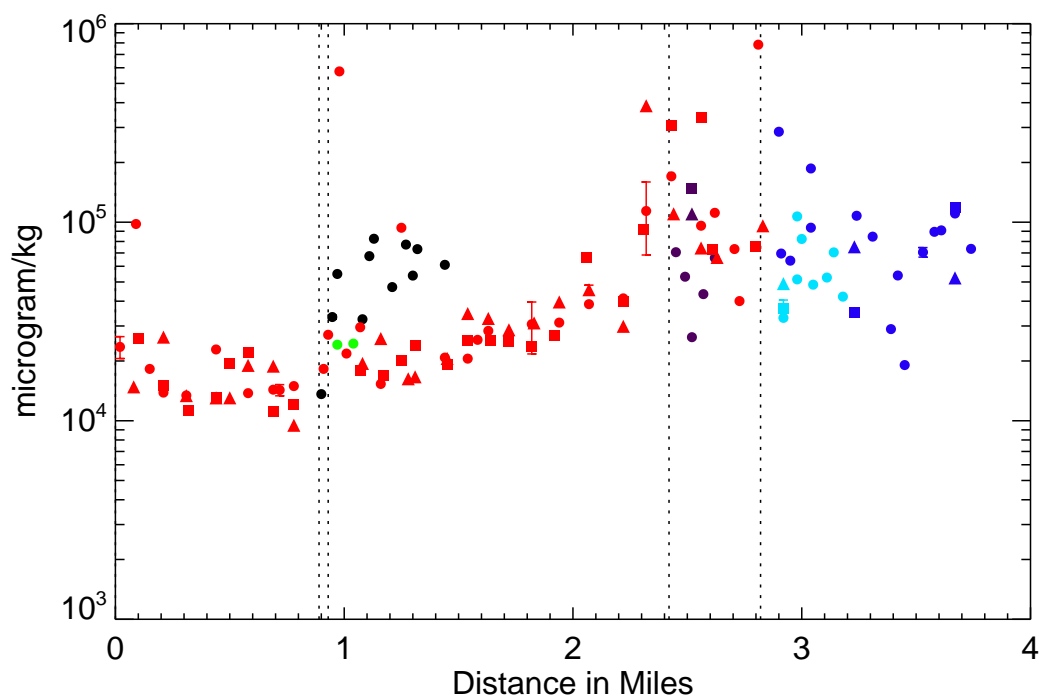
Figure A4-87
 Surface Sediment Chemical Data - Spatial Profiles
 Phase 1 RI Data Summary Report - Submittal No. 1
 Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total LPAH (7 of 16) (U = 1/2) (MDL)



Total PAH (16) (U = 0) (MDL)



▲ Right Bank ● Middle ■ Left Bank

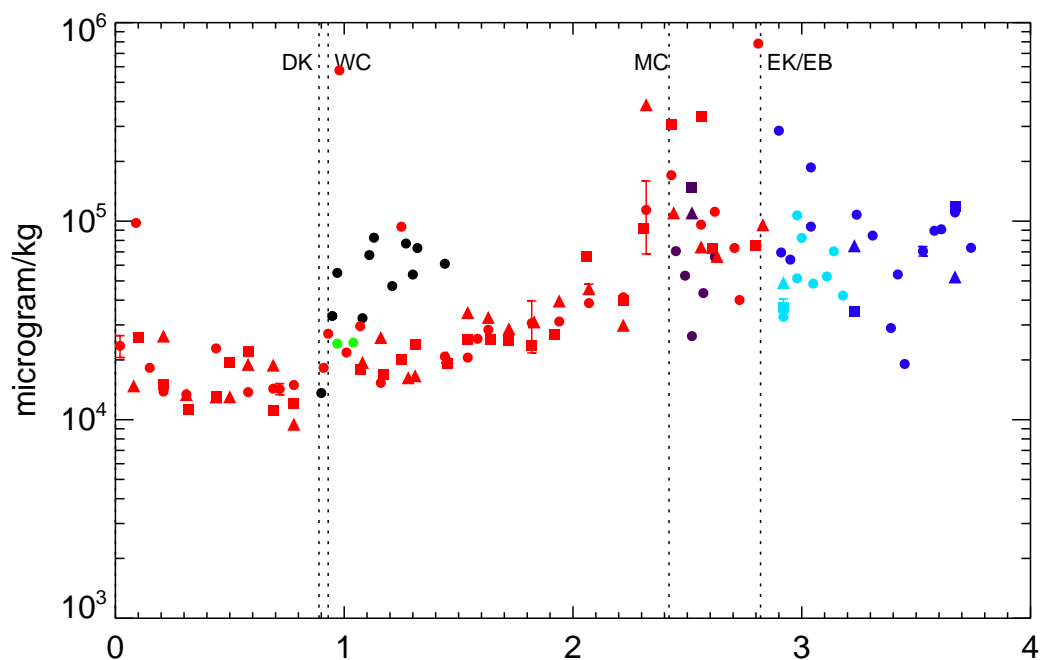


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

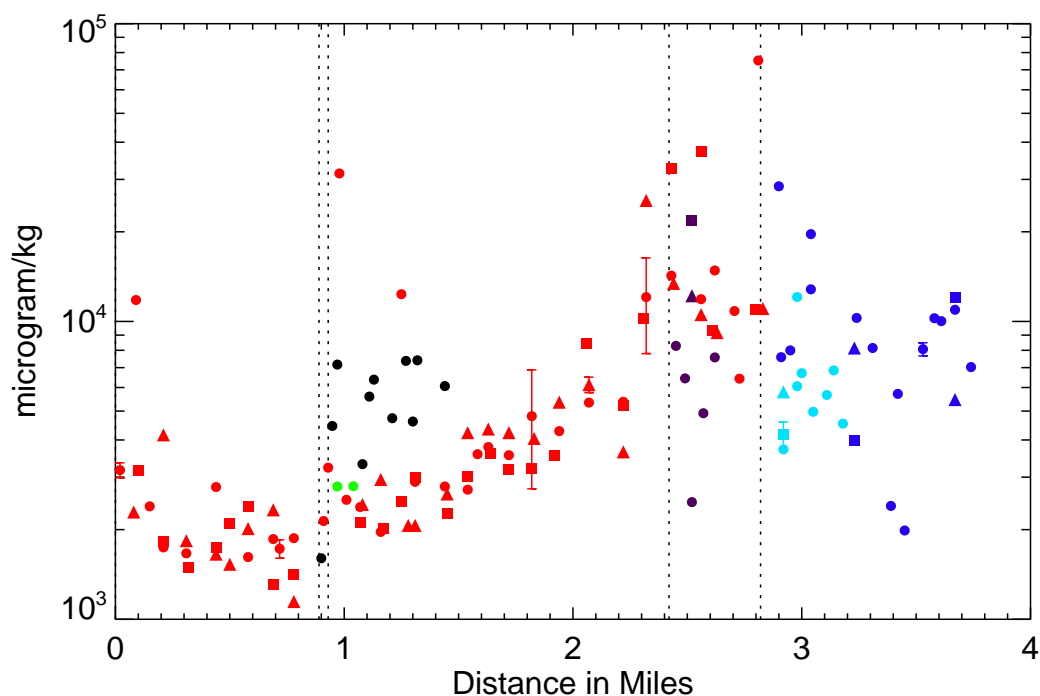
Figure A4-88
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total PAH (16) (U = 1/2) (MDL)



Total cPAH TEQ (EPA 1993) (U = 0) (MDL)



▲ Right Bank ● Middle ■ Left Bank

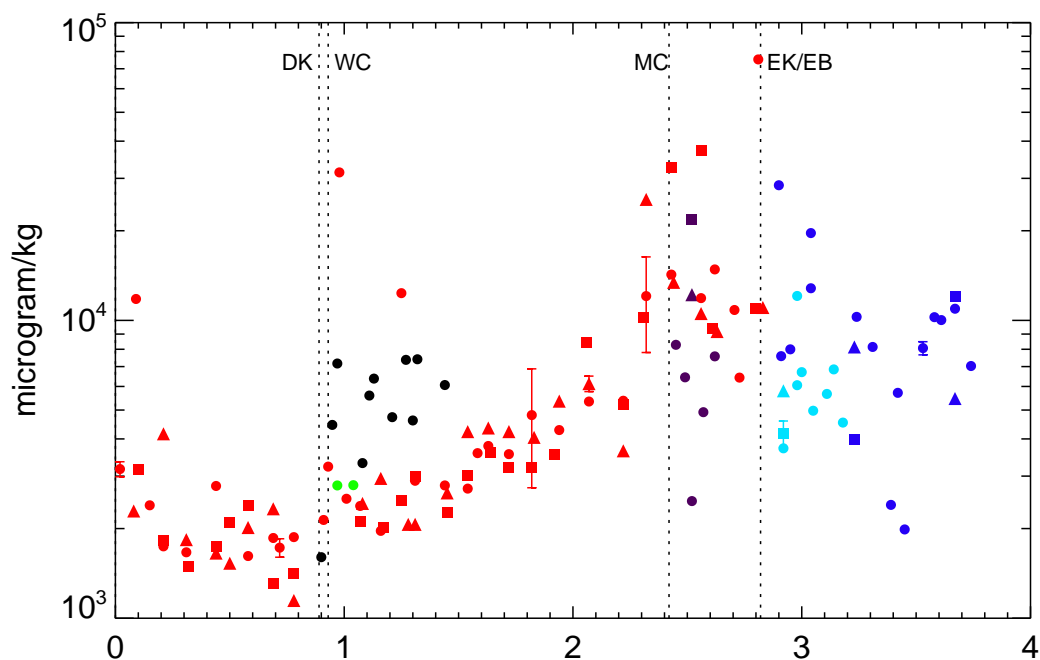


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

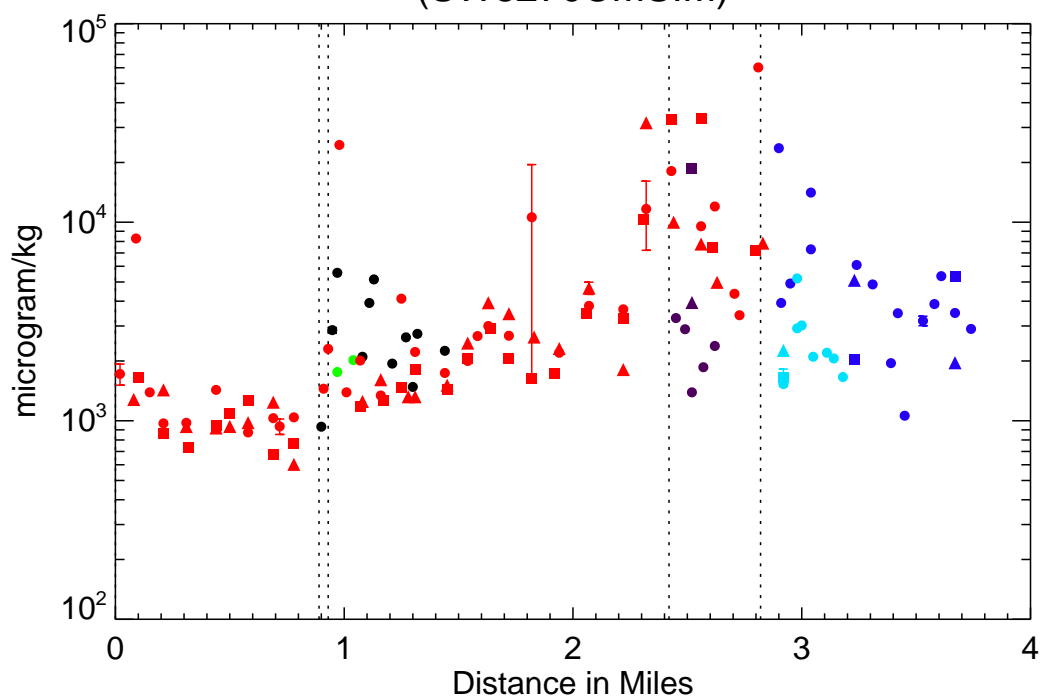
Figure A4-89
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total cPAH TEQ (EPA 1993) (U = 1/2) (MDL)



C1-Benzo(a)anthracenes/Chrysenes (SW8270CMSIM)



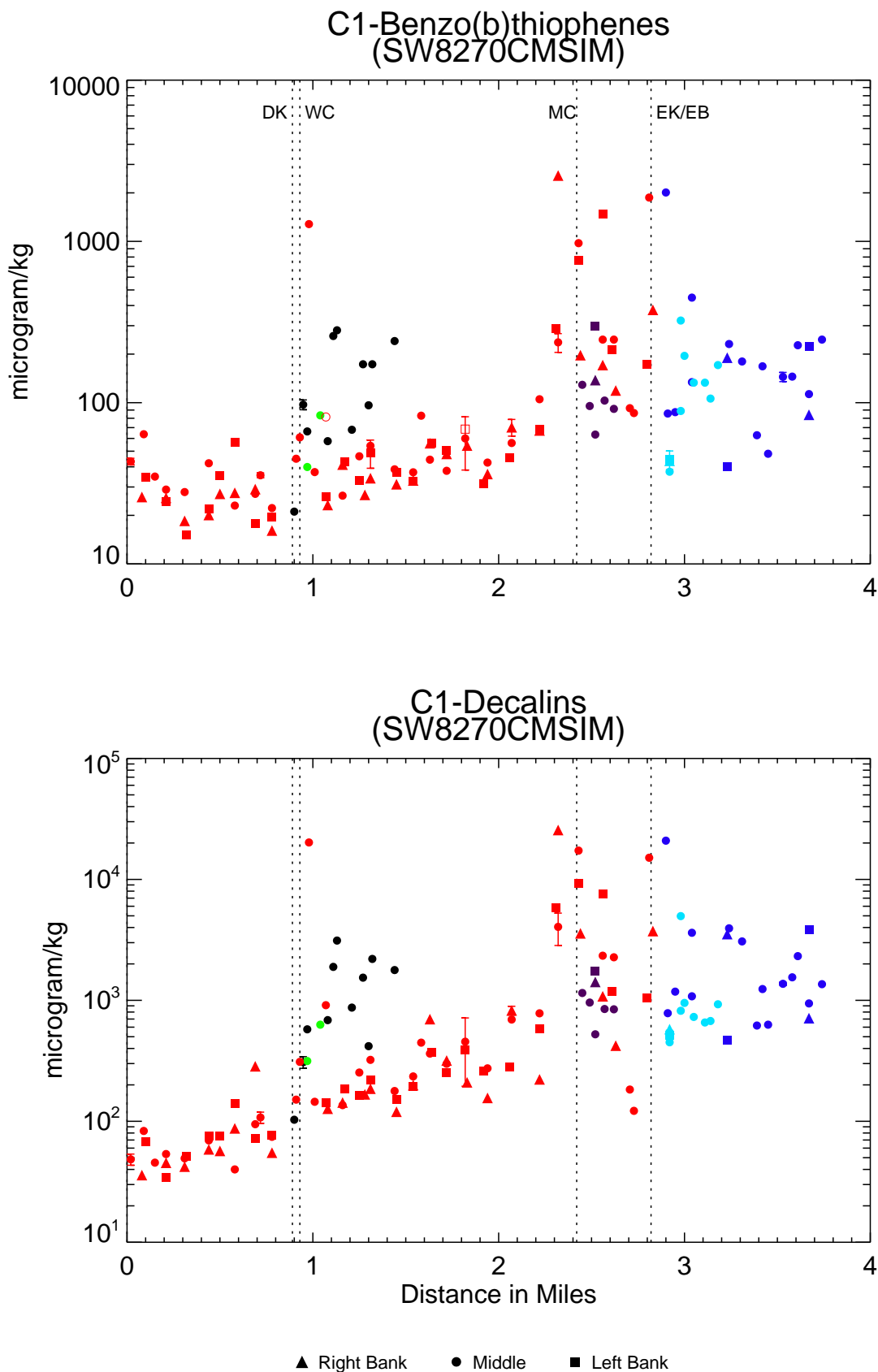
▲ Right Bank ● Middle ■ Left Bank



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-90
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

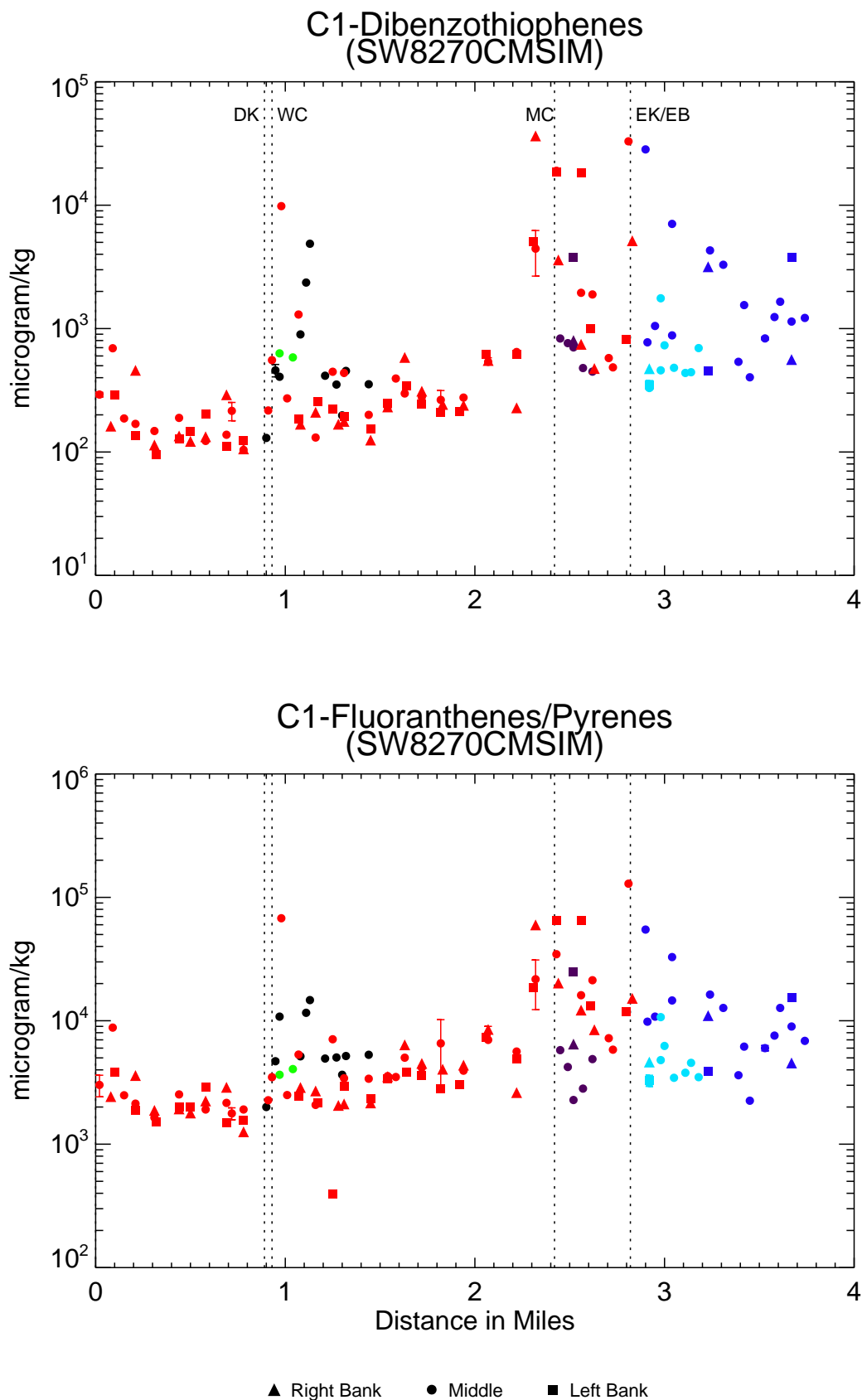
**Figure A4-91**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

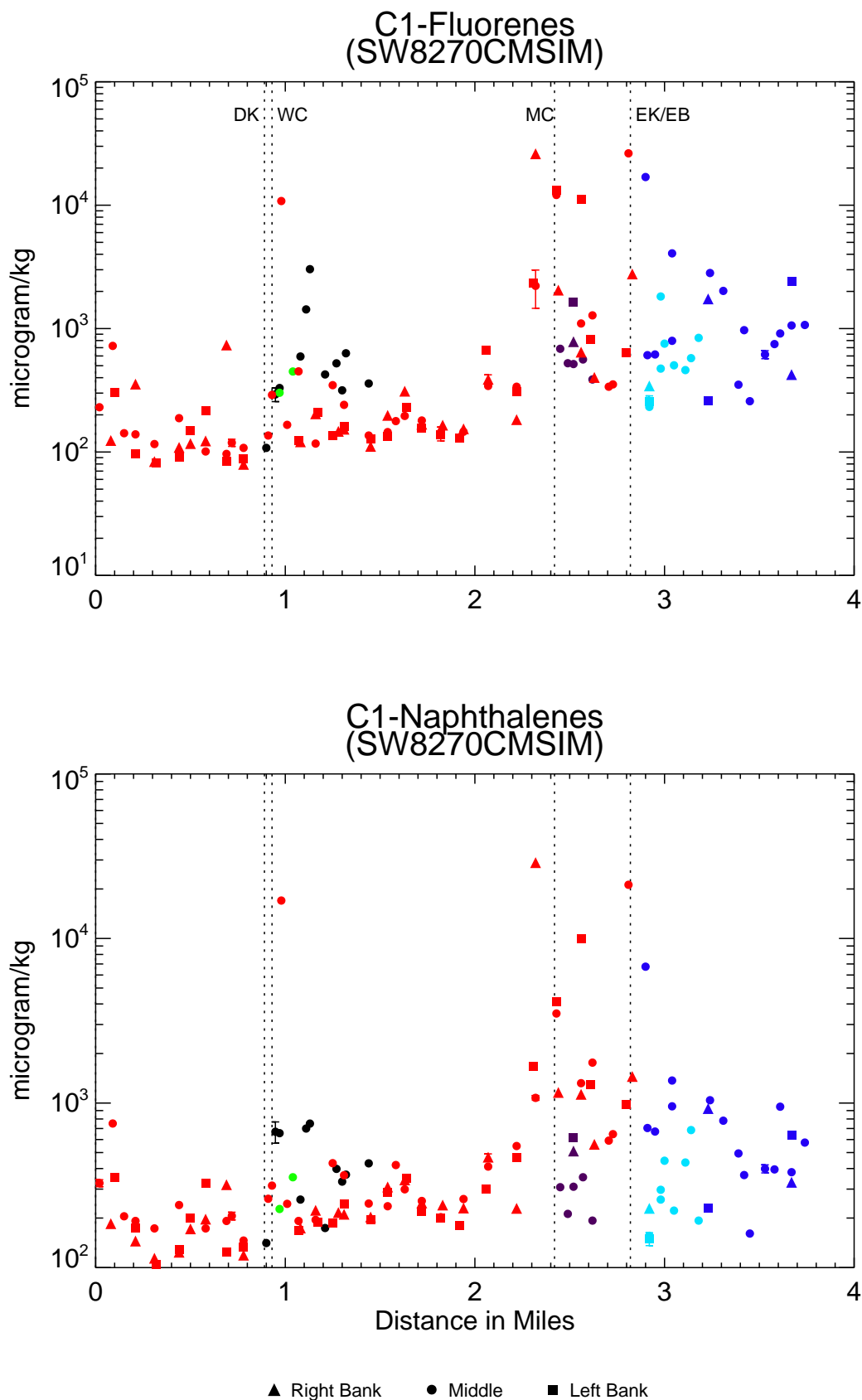
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-92
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

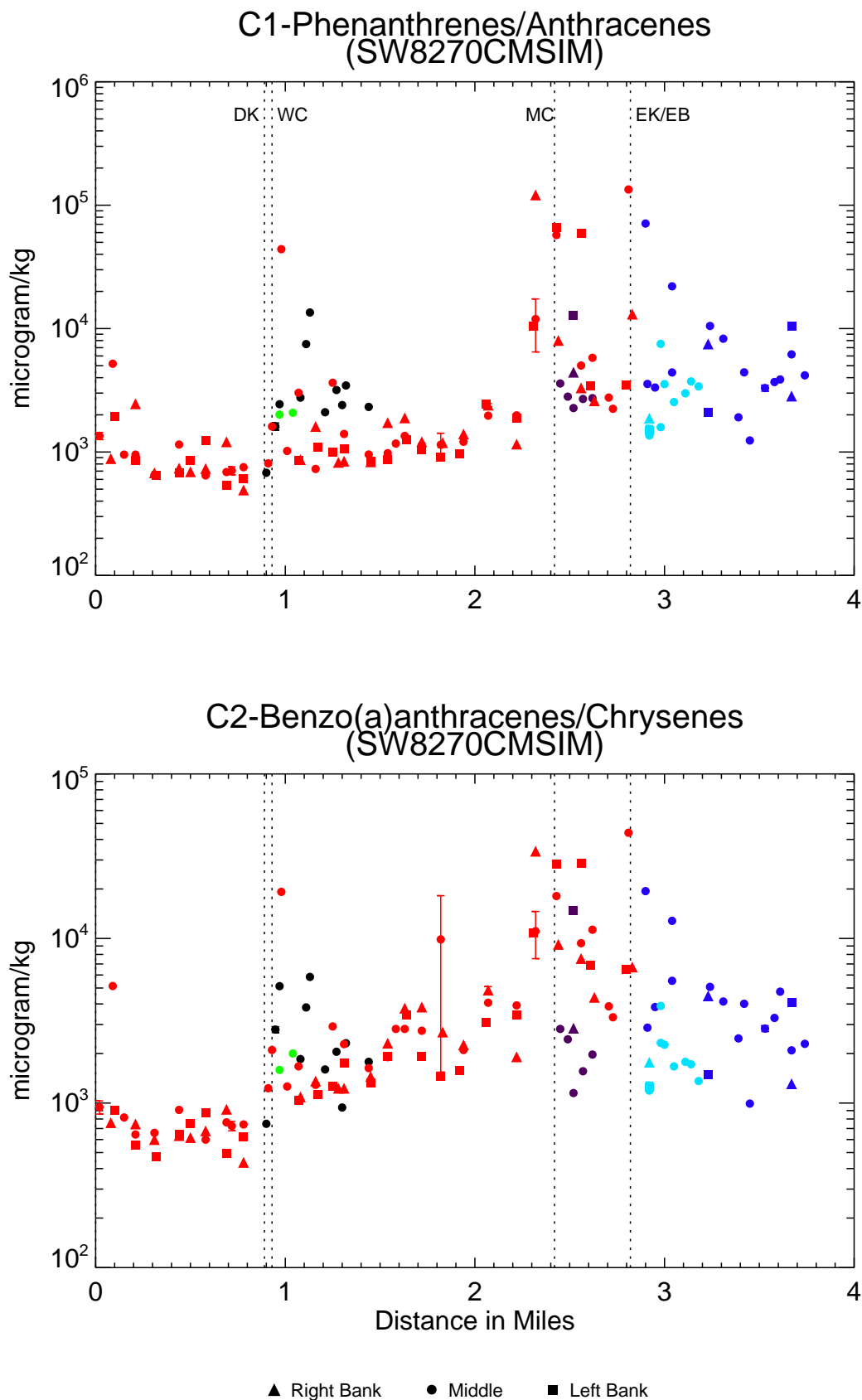
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-93
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

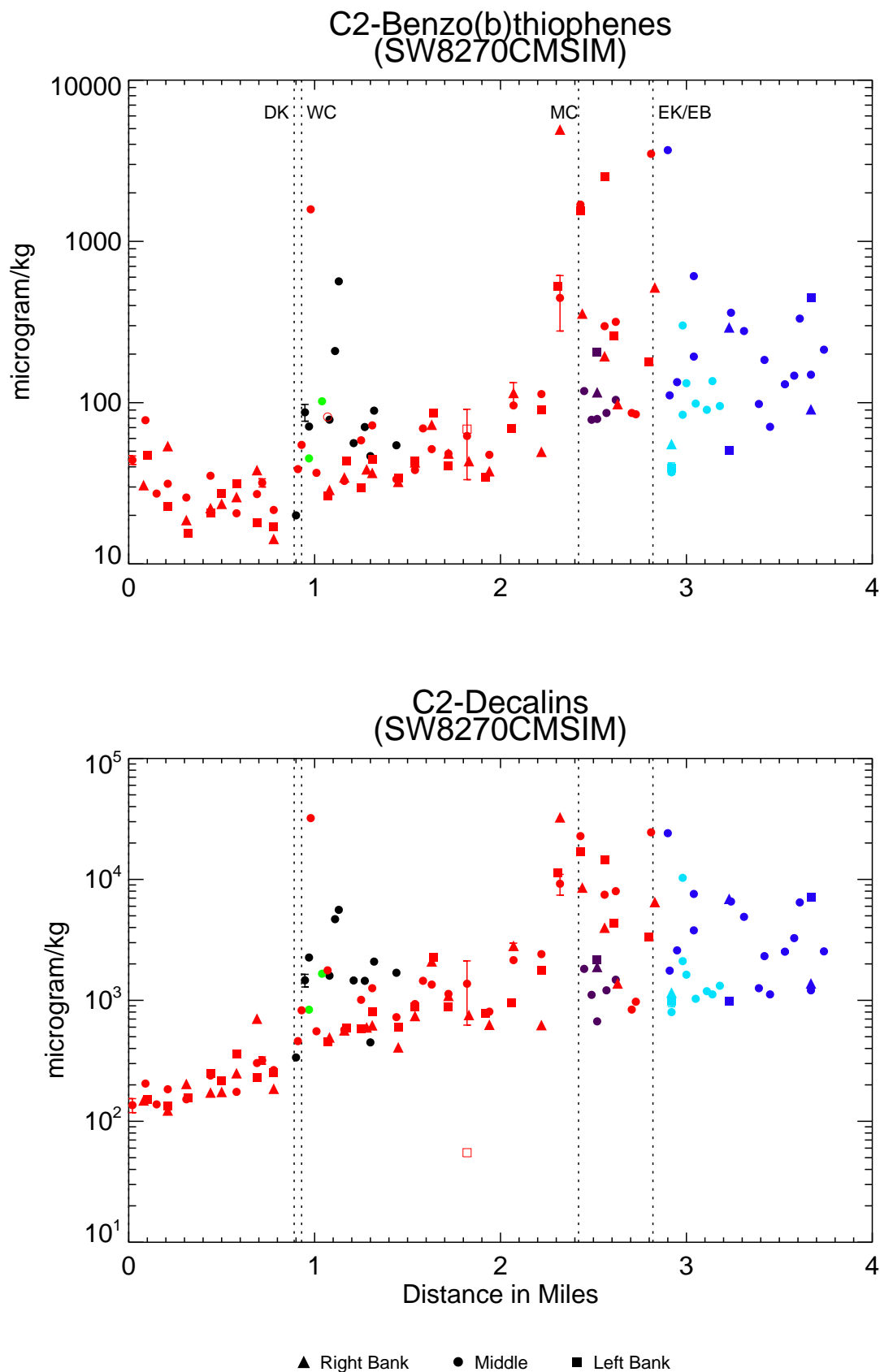
**Figure A4-94**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



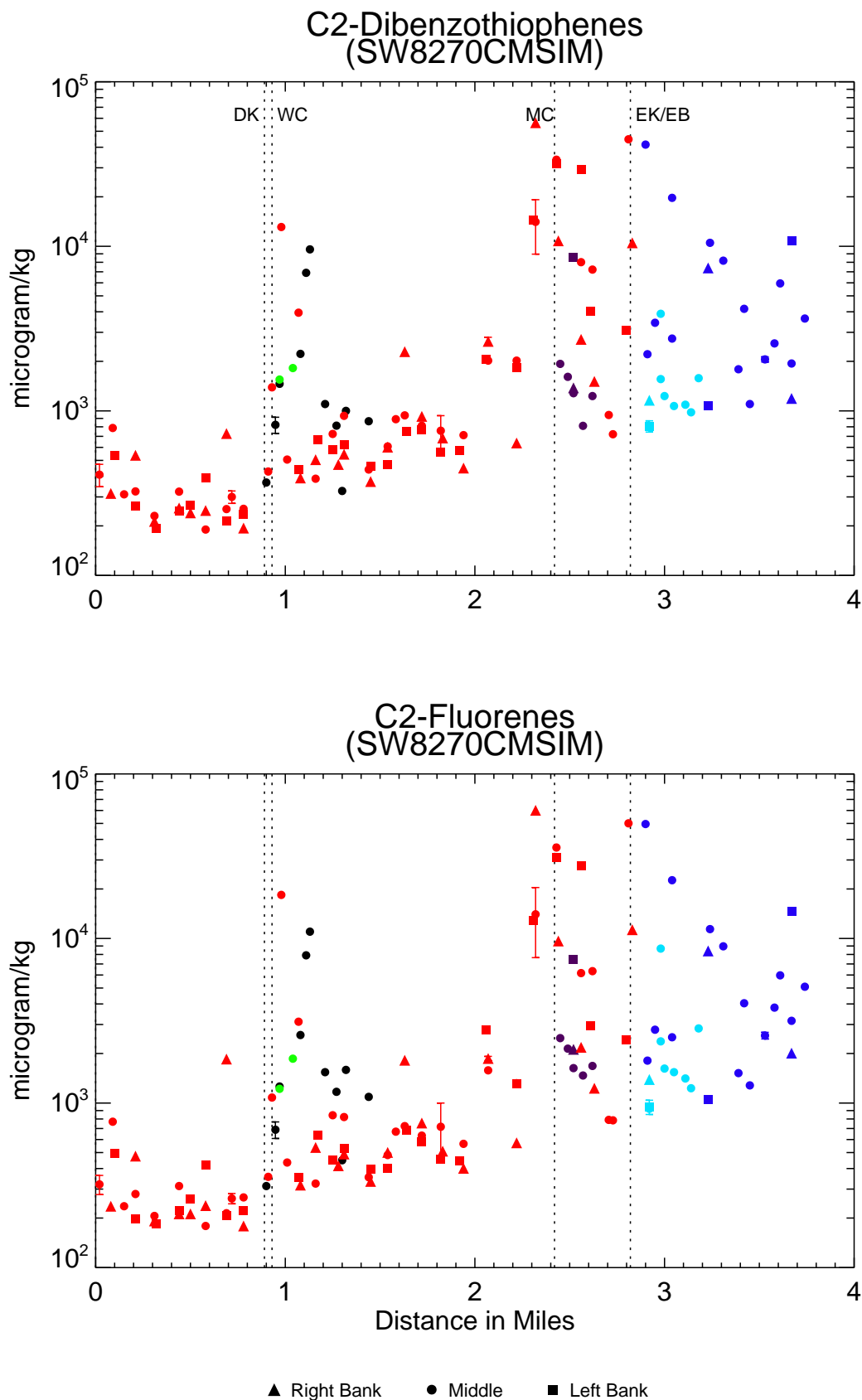
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-95
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

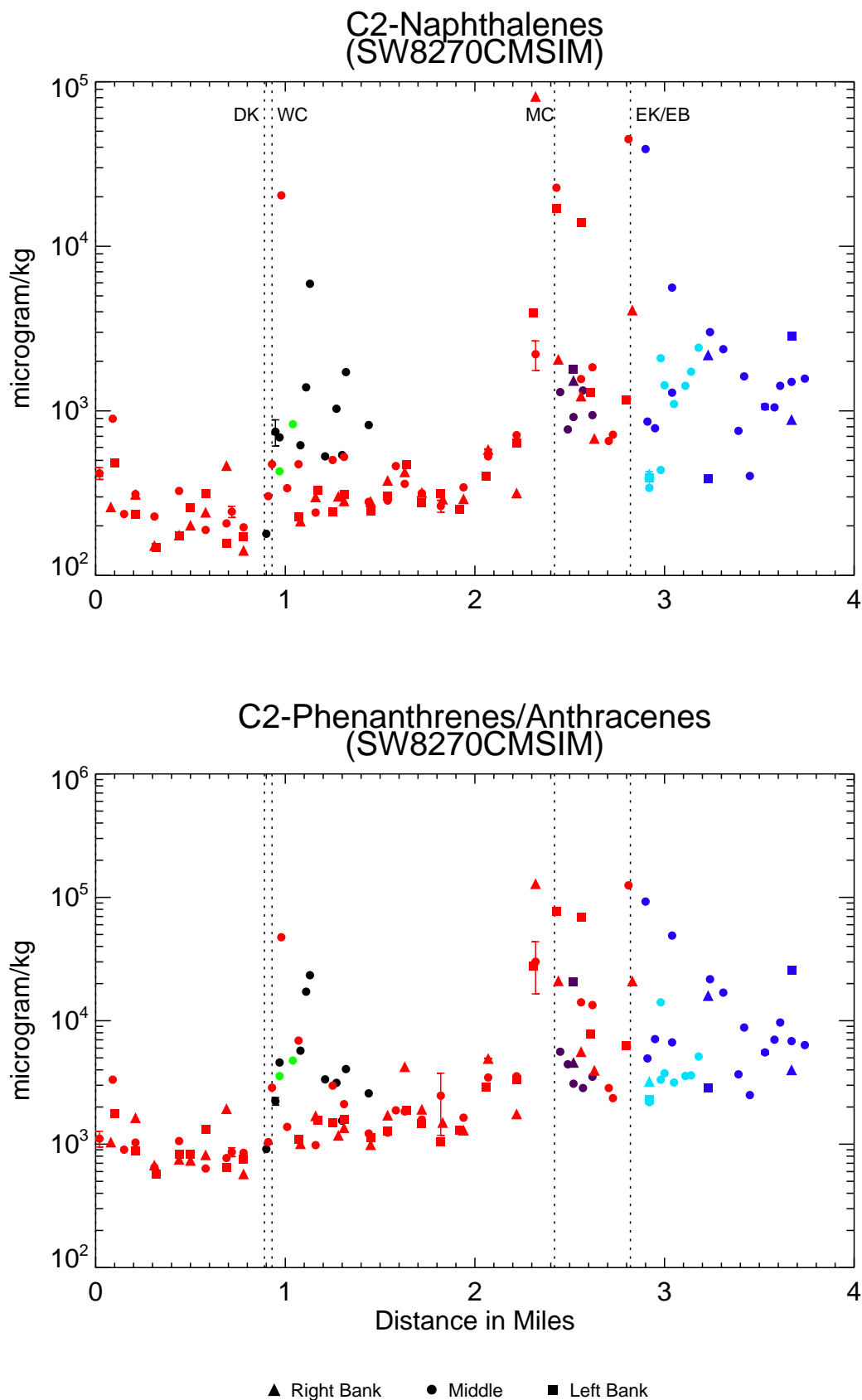
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-96
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

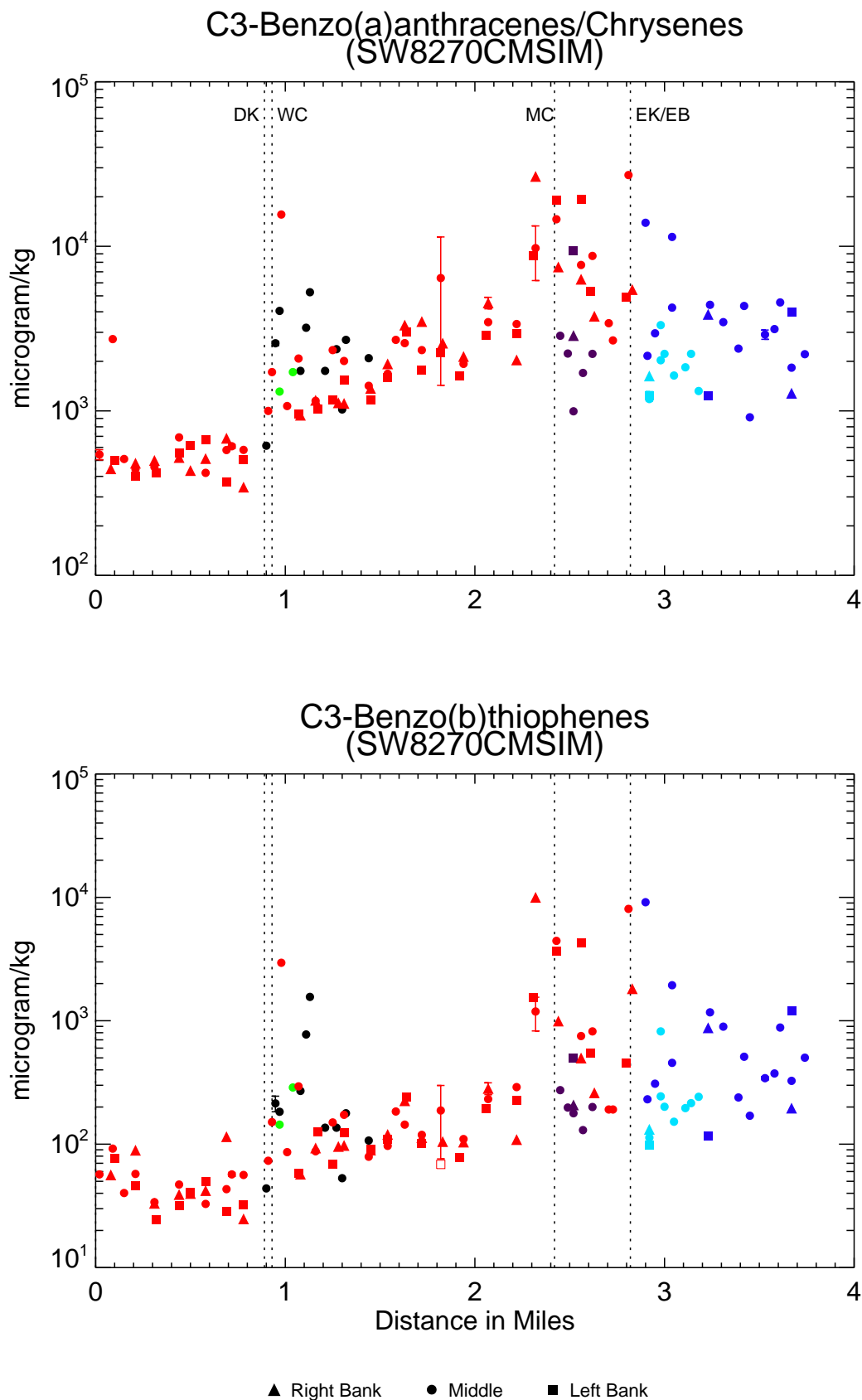
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-97
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

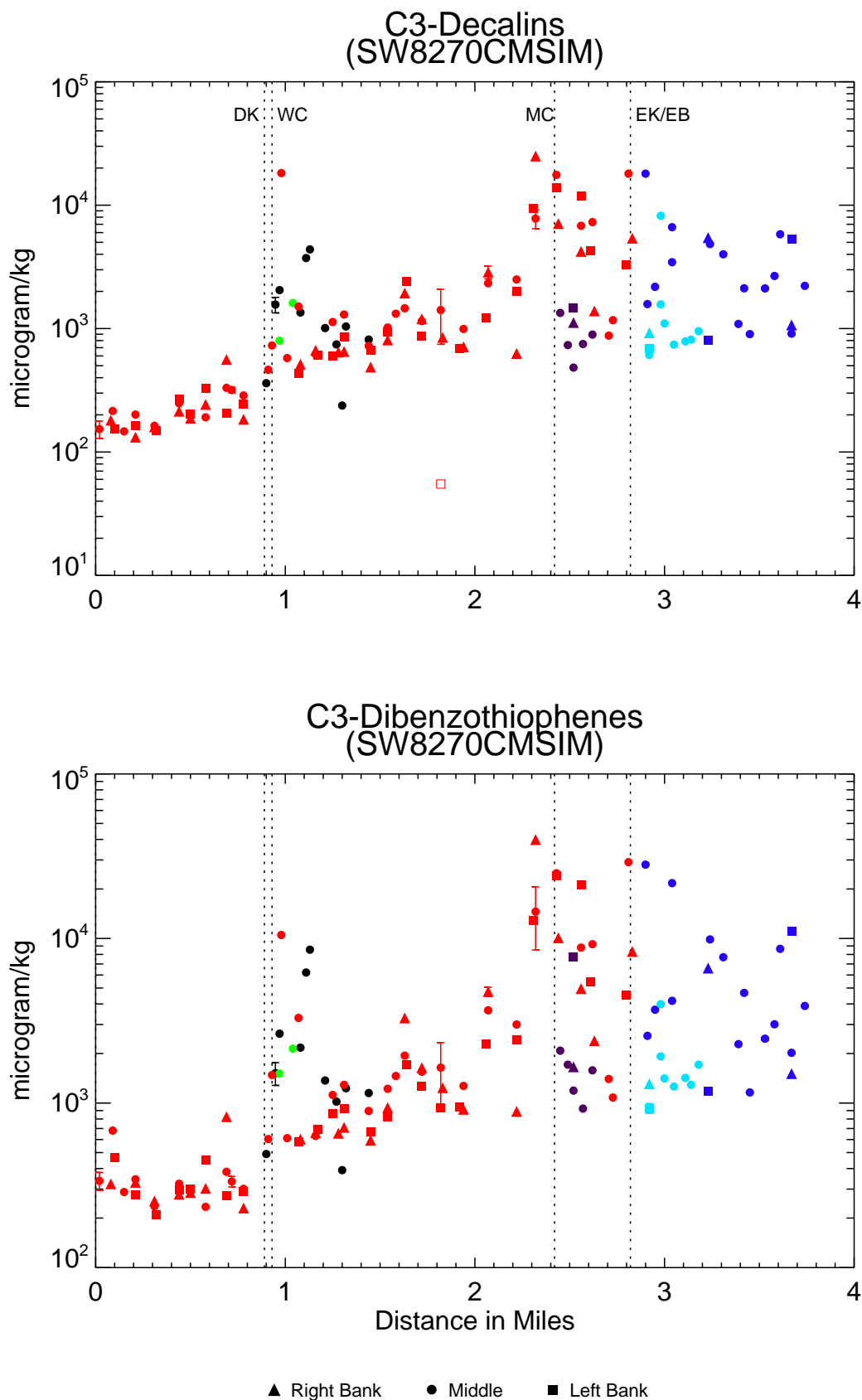
**Figure A4-98**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



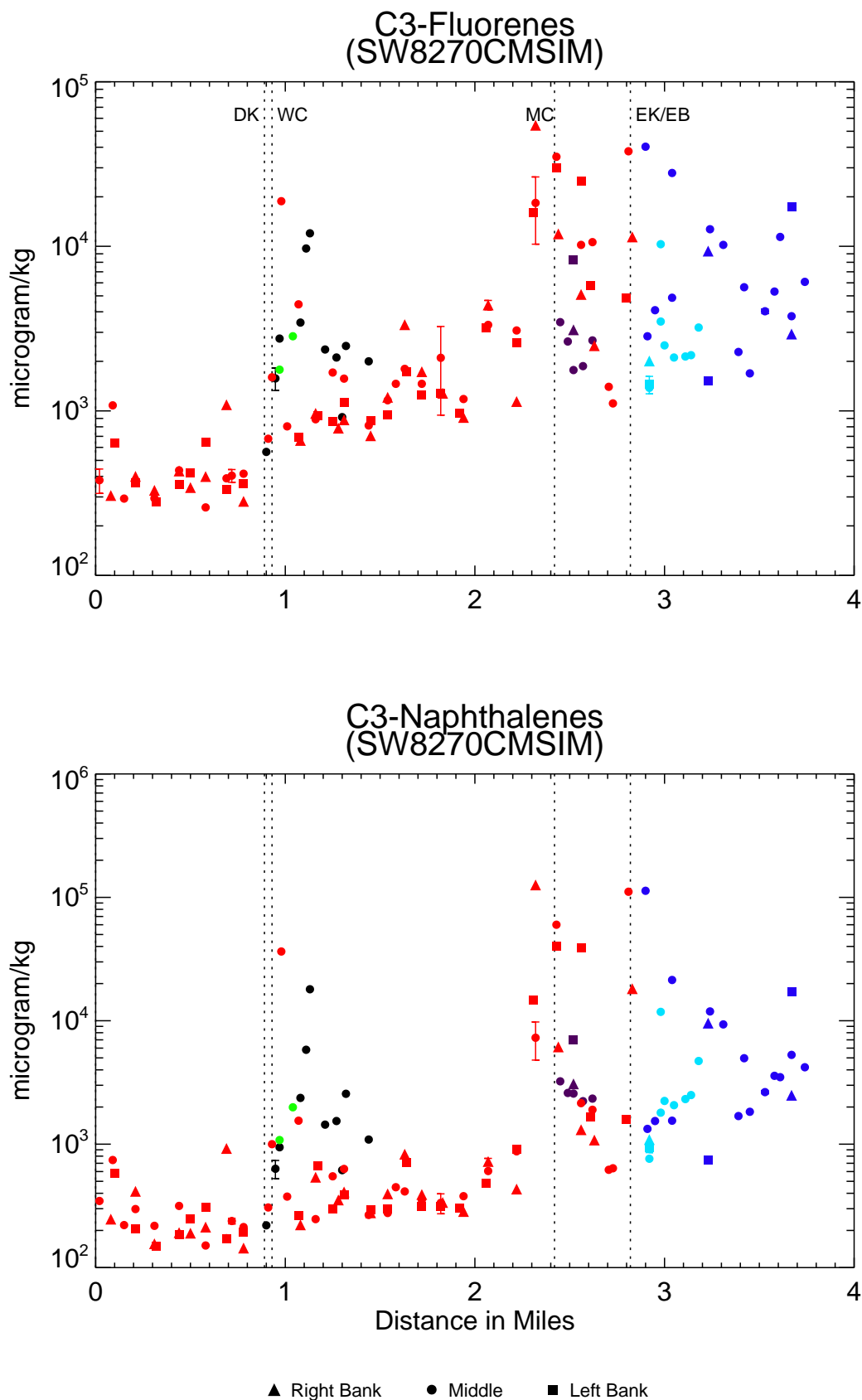
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-99
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

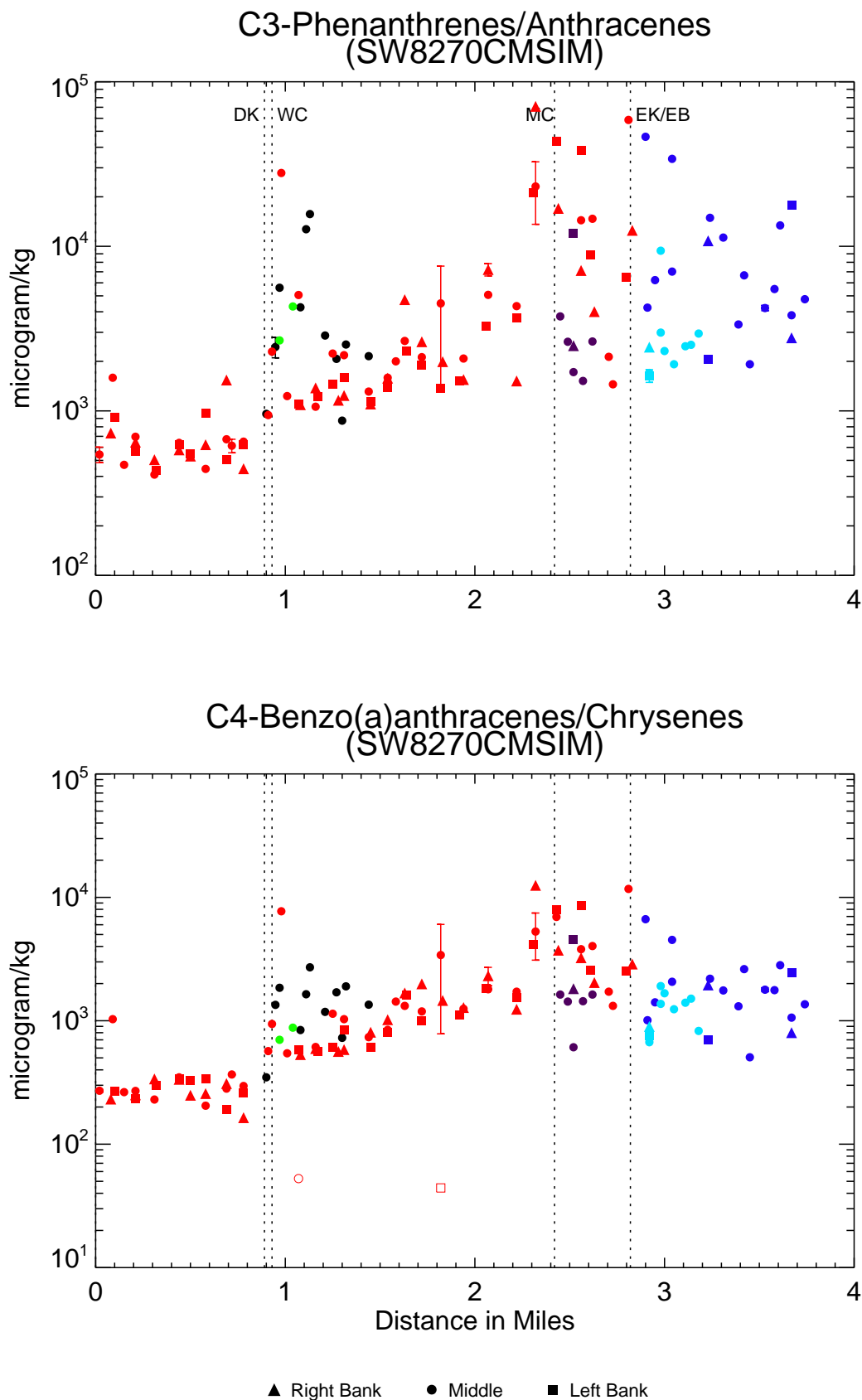
**Figure A4-100**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

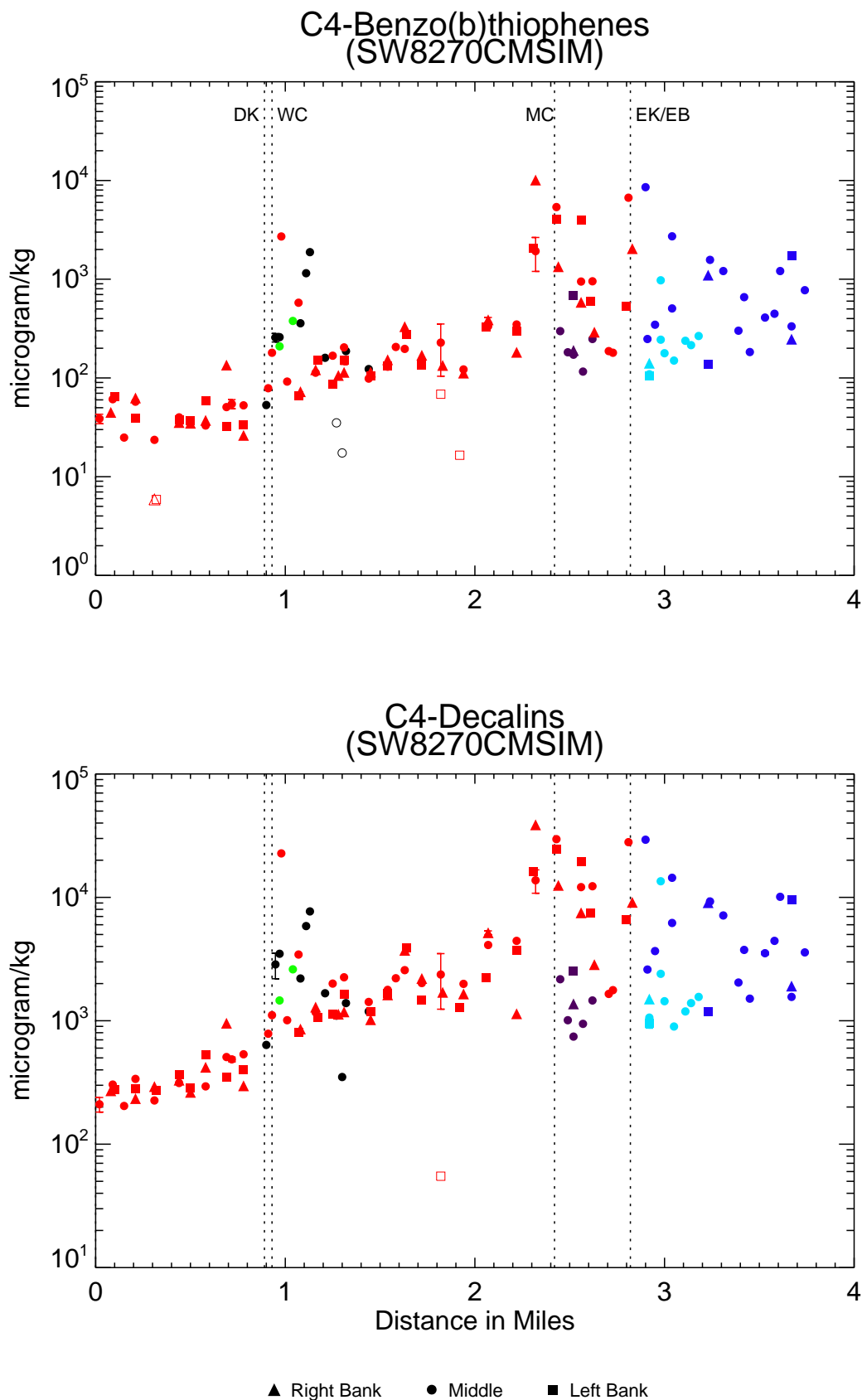
**Figure A4-101**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

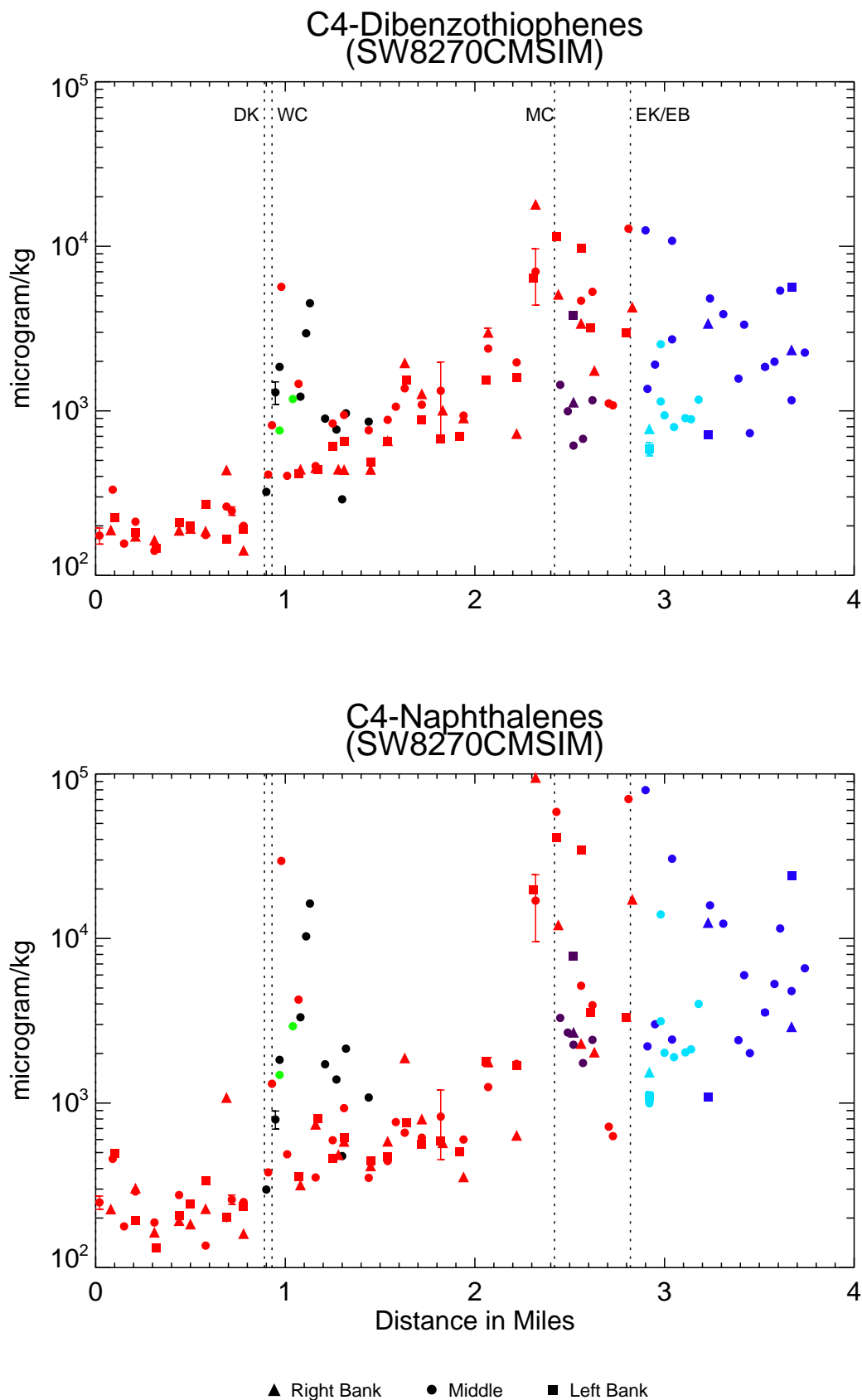
**Figure A4-102**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



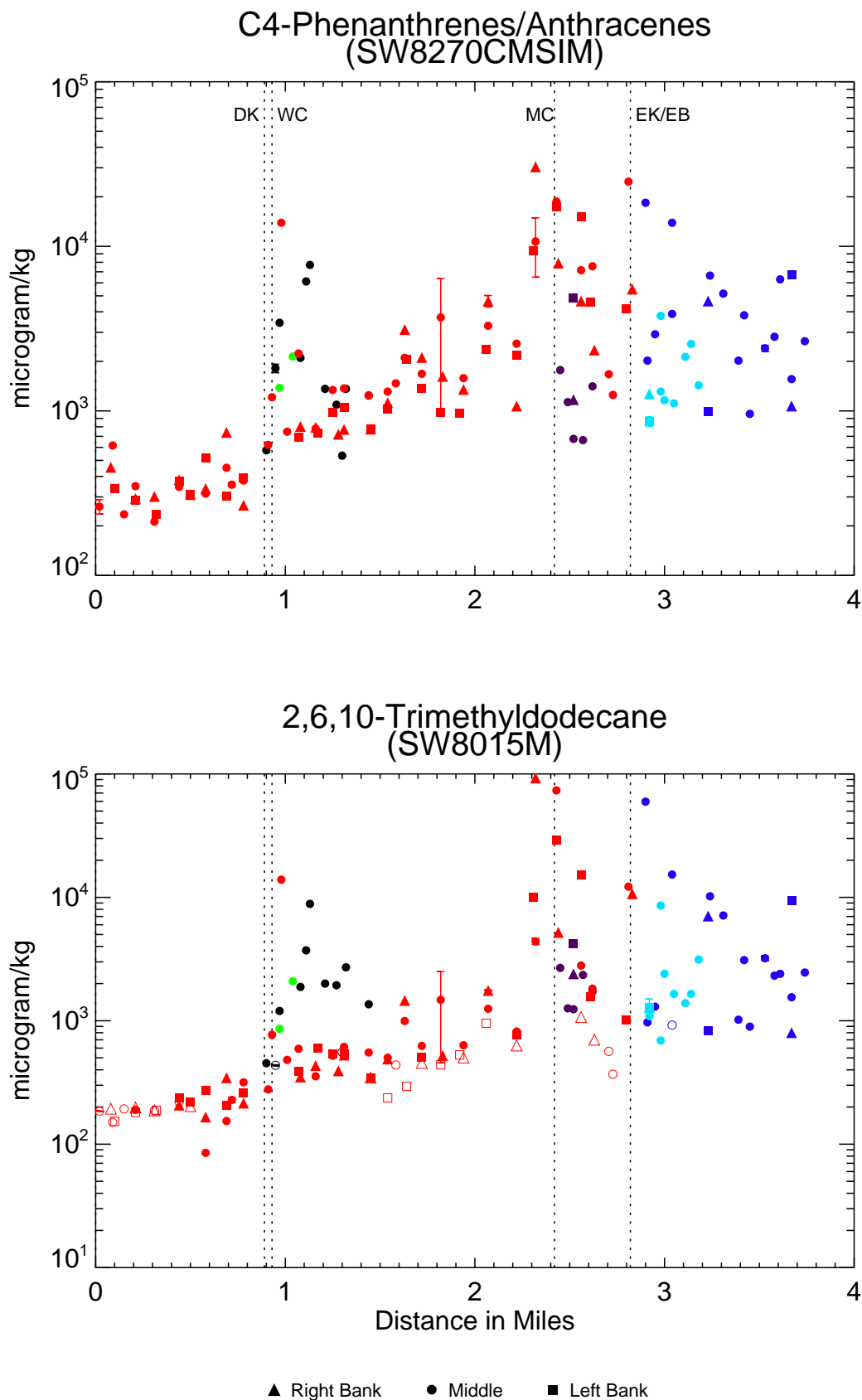
**Figure A4-103**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

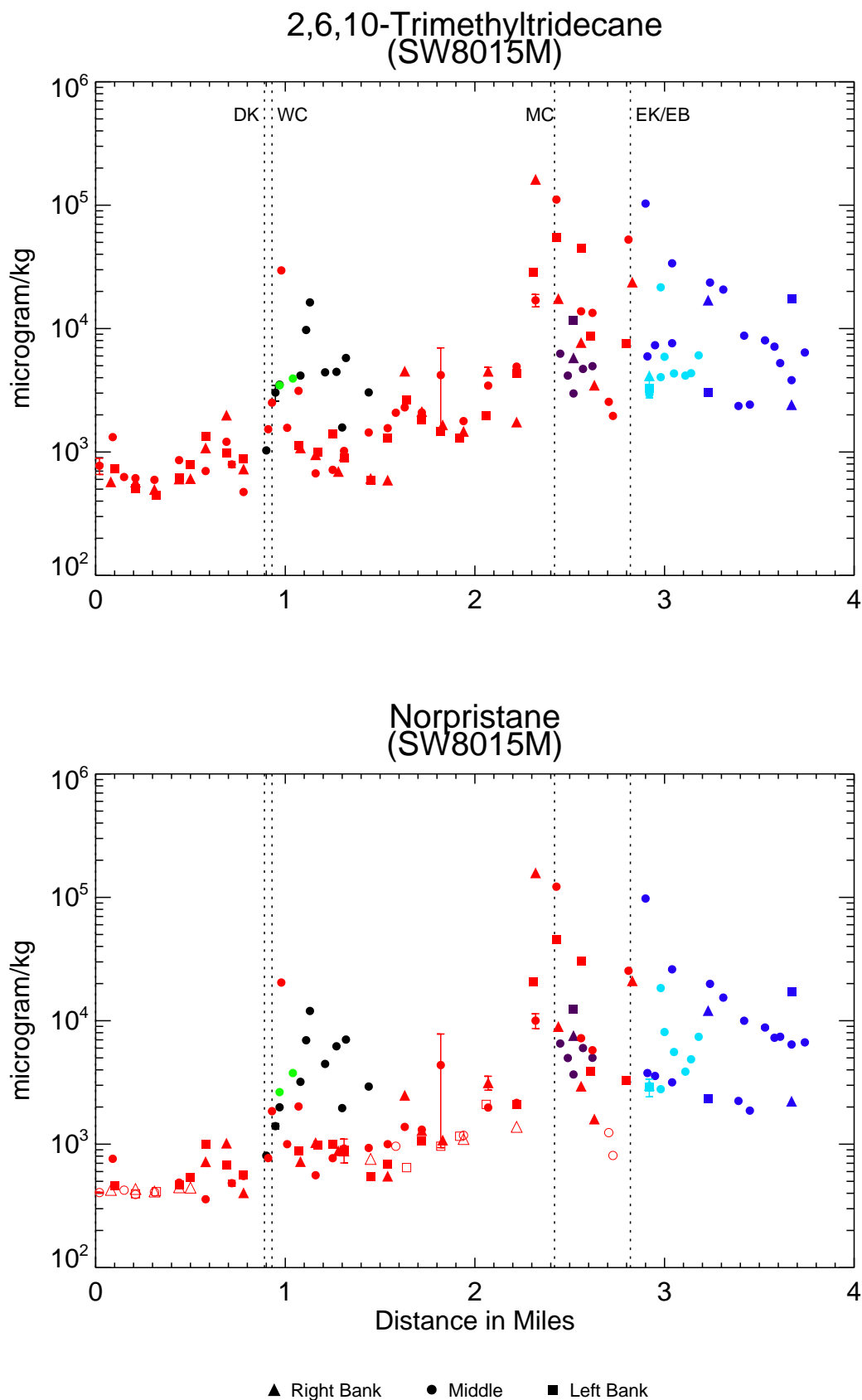
**Figure A4-104**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

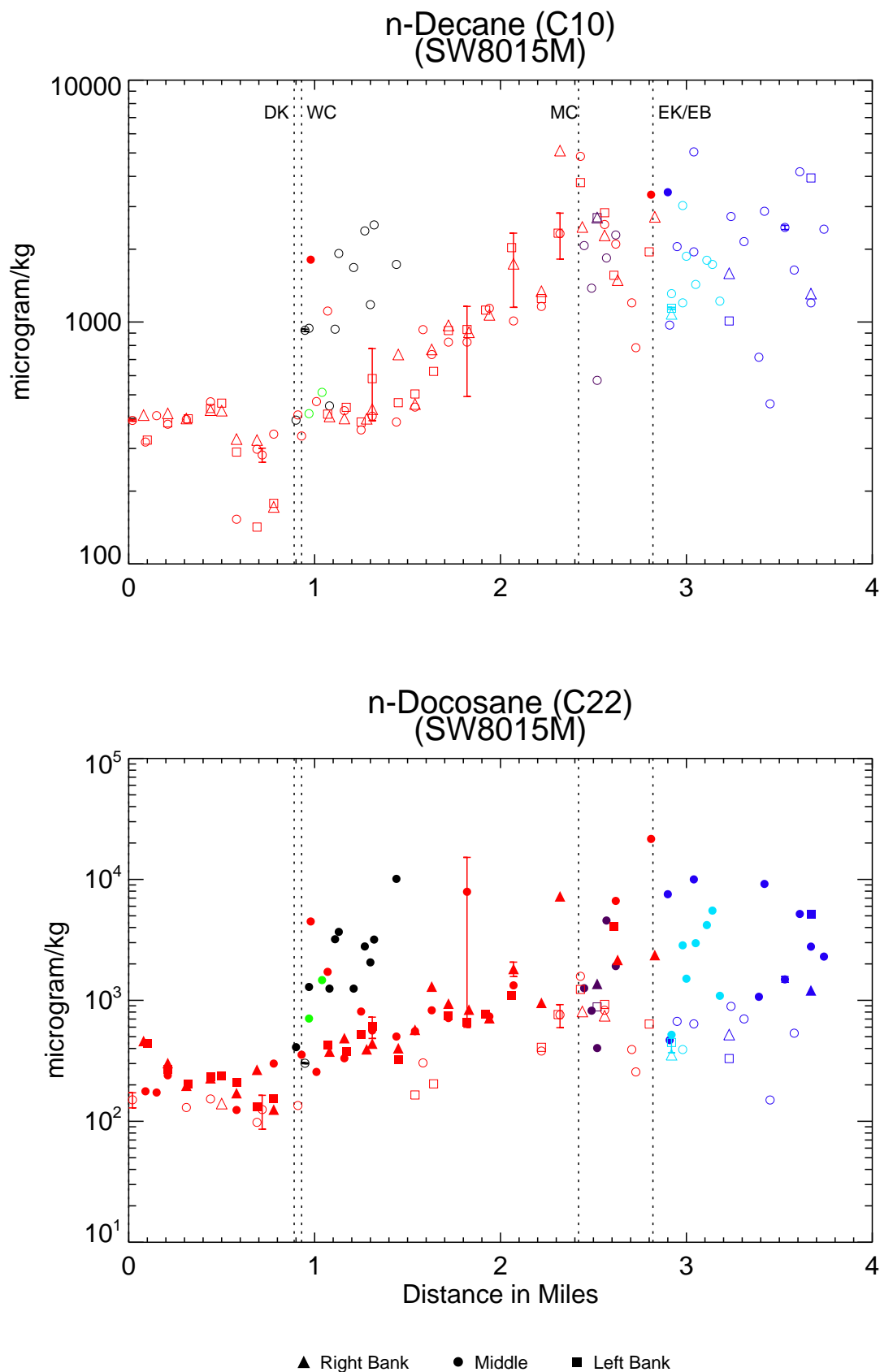
**Figure A4-105**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

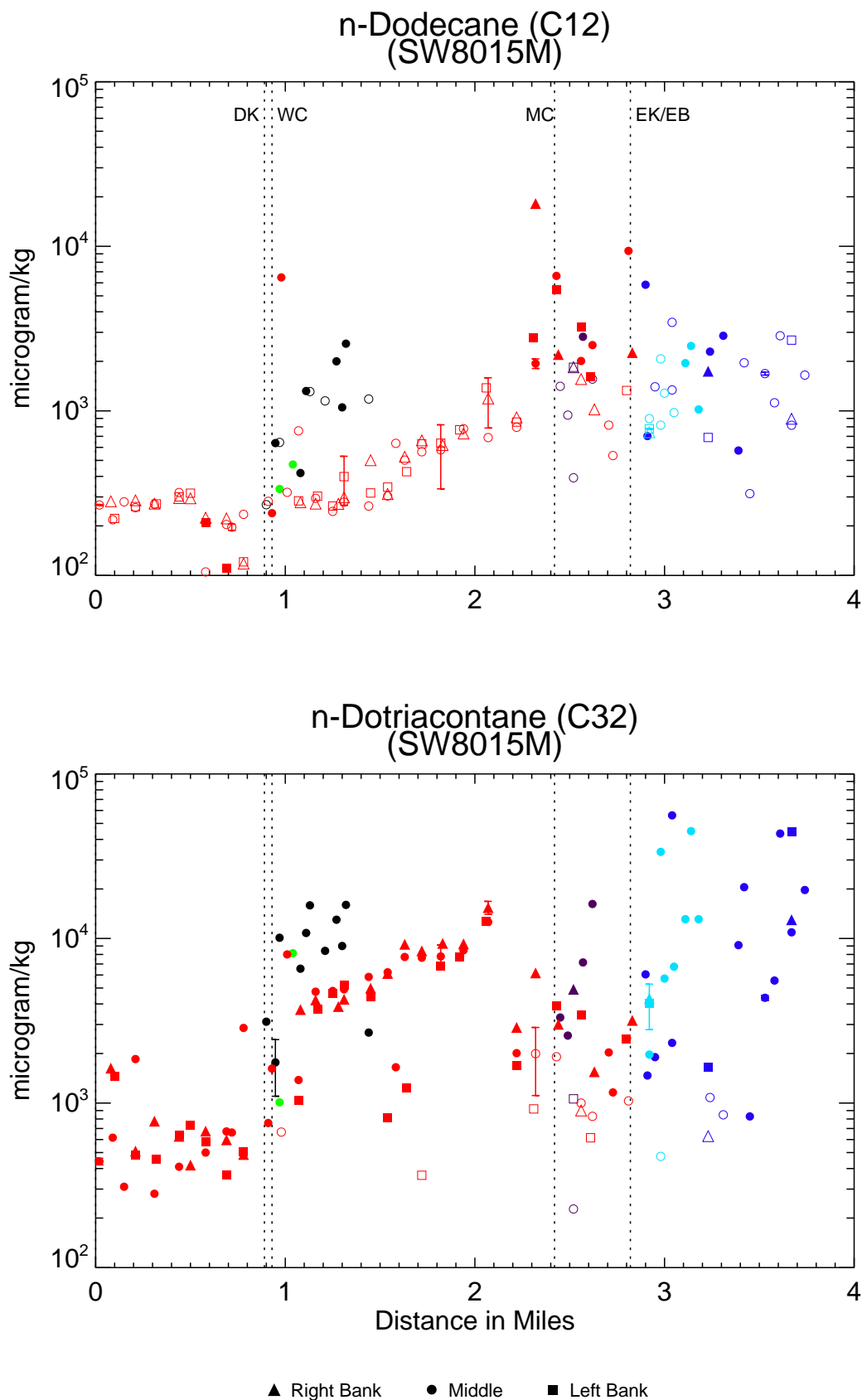
**Figure A4-106**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

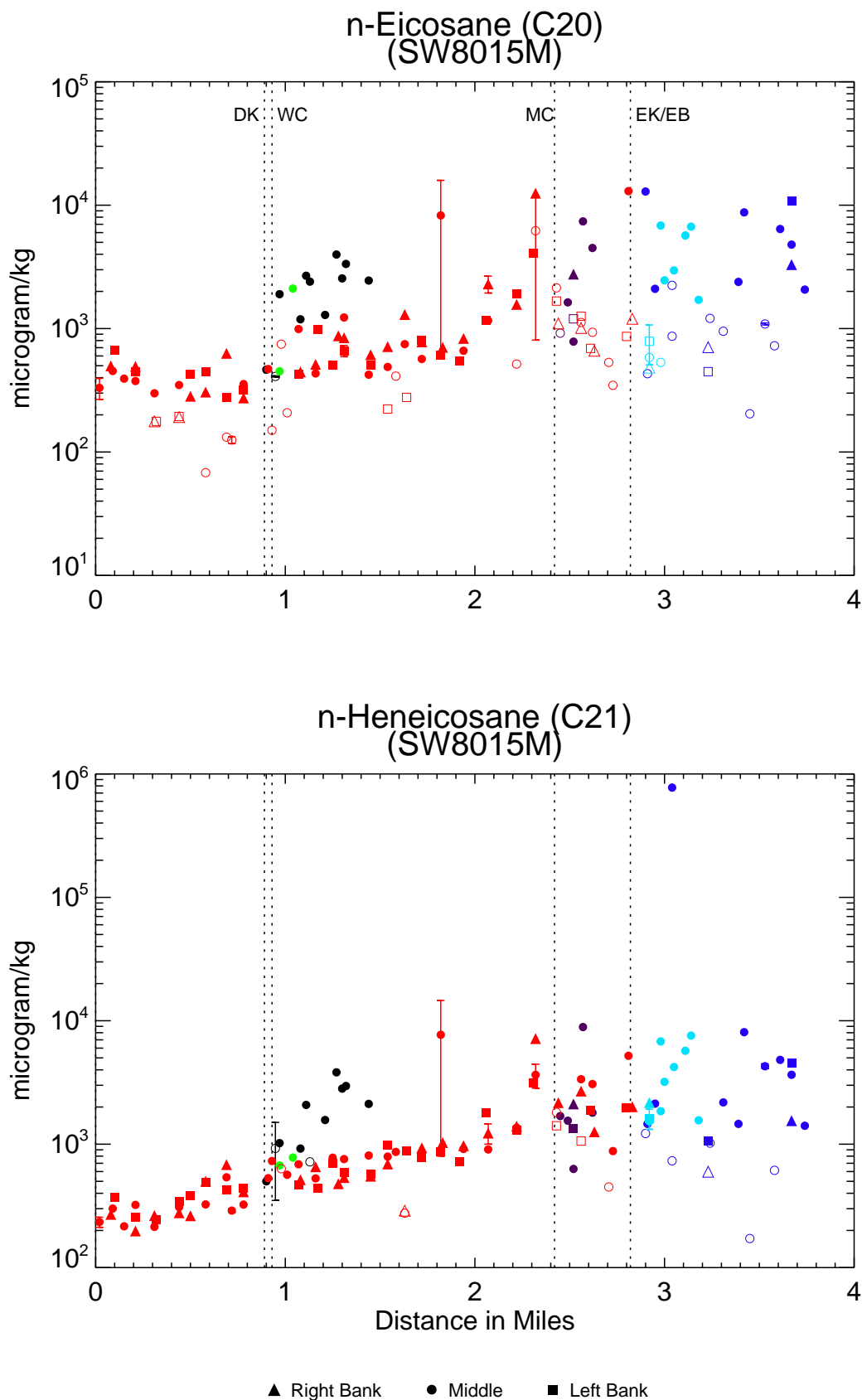
**Figure A4-107**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

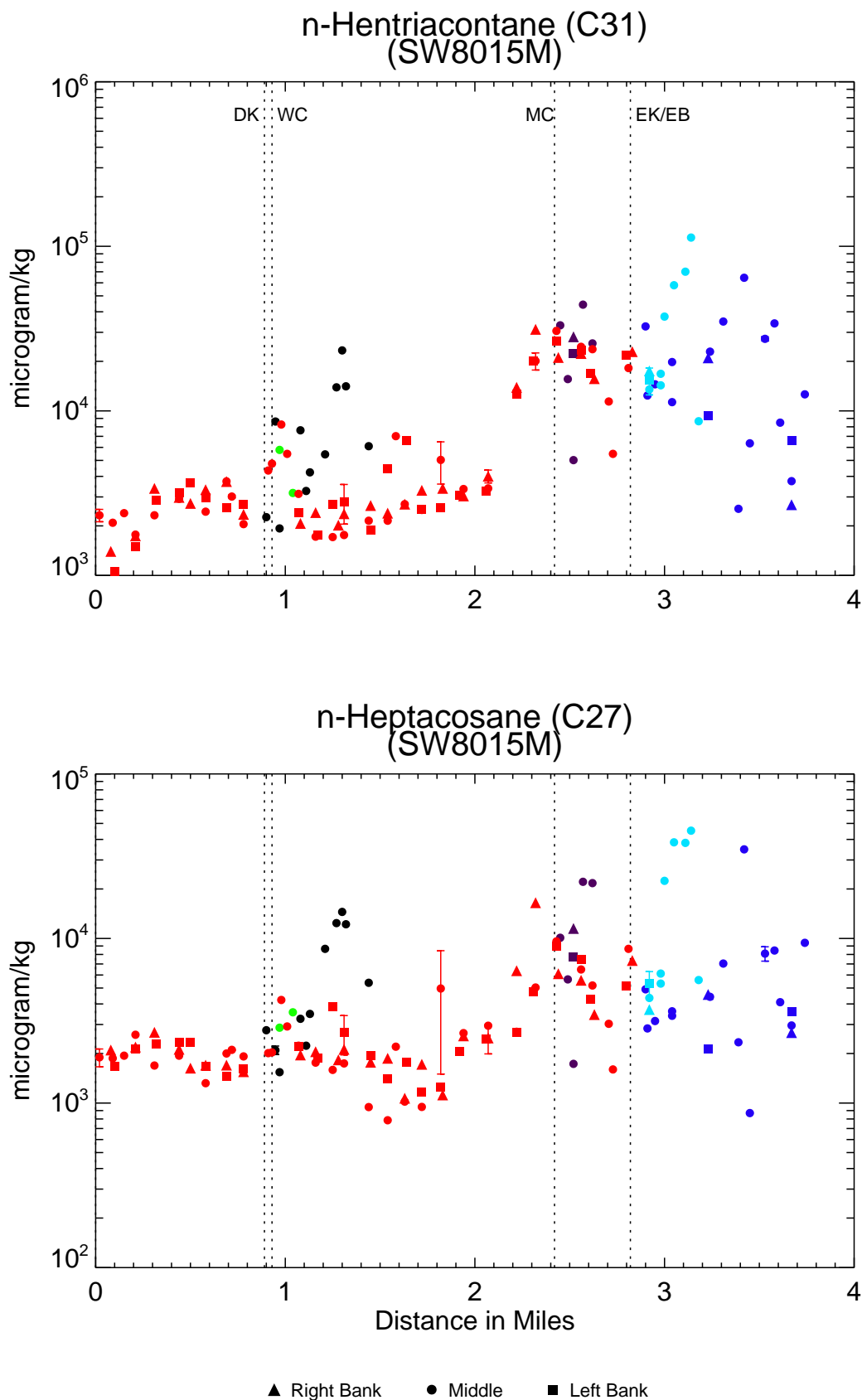
**Figure A4-108**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

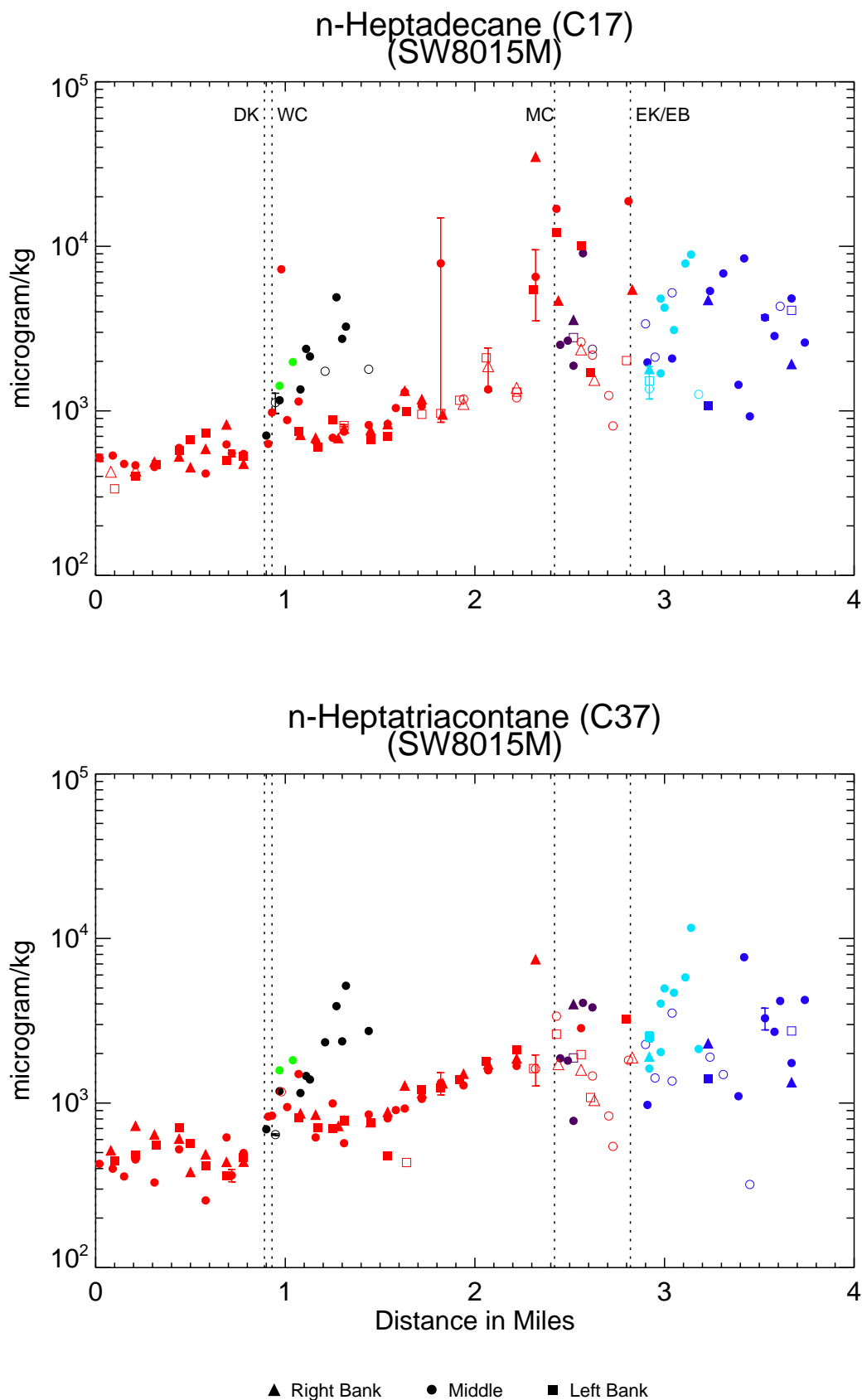
**Figure A4-109**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

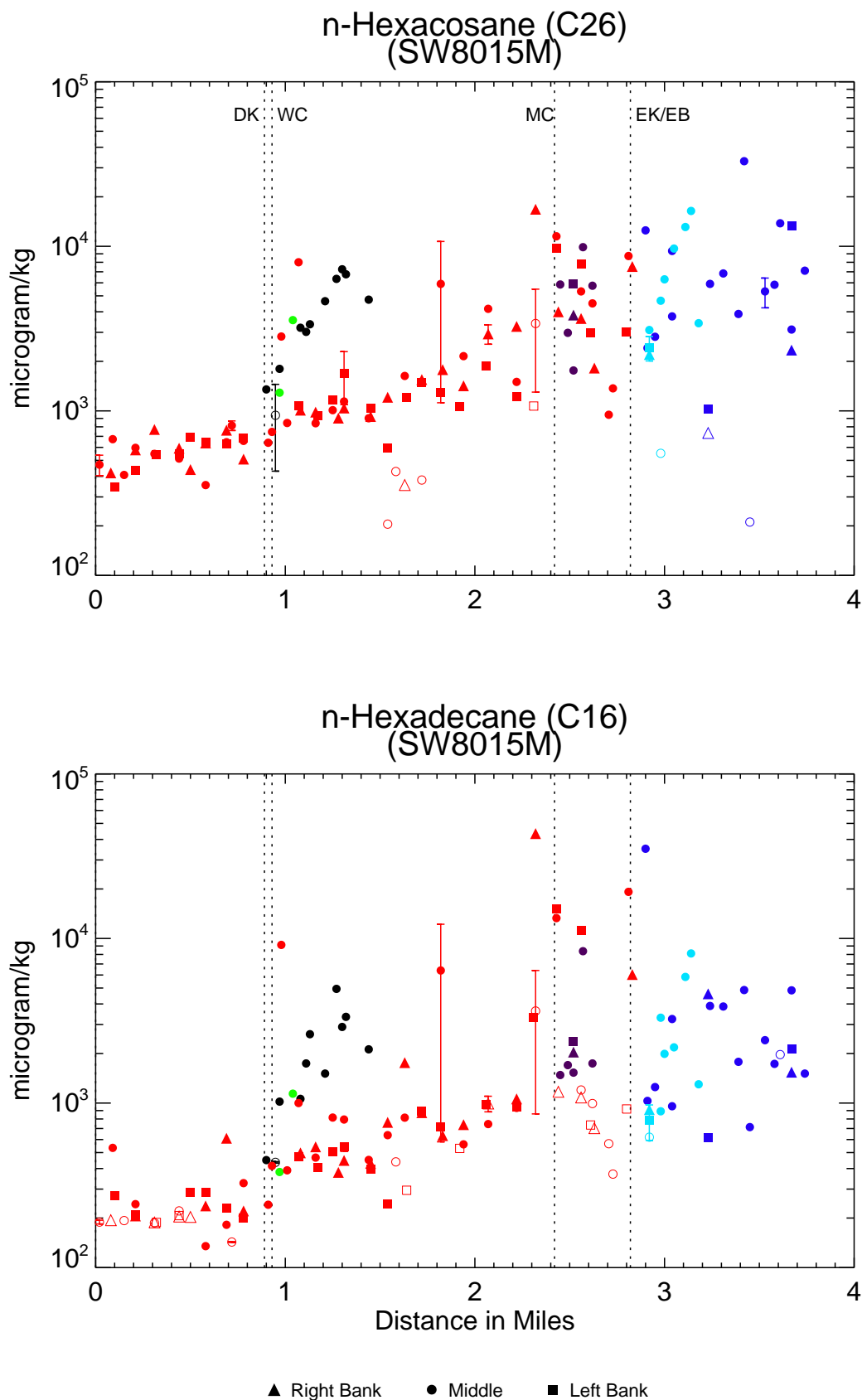
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-110
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

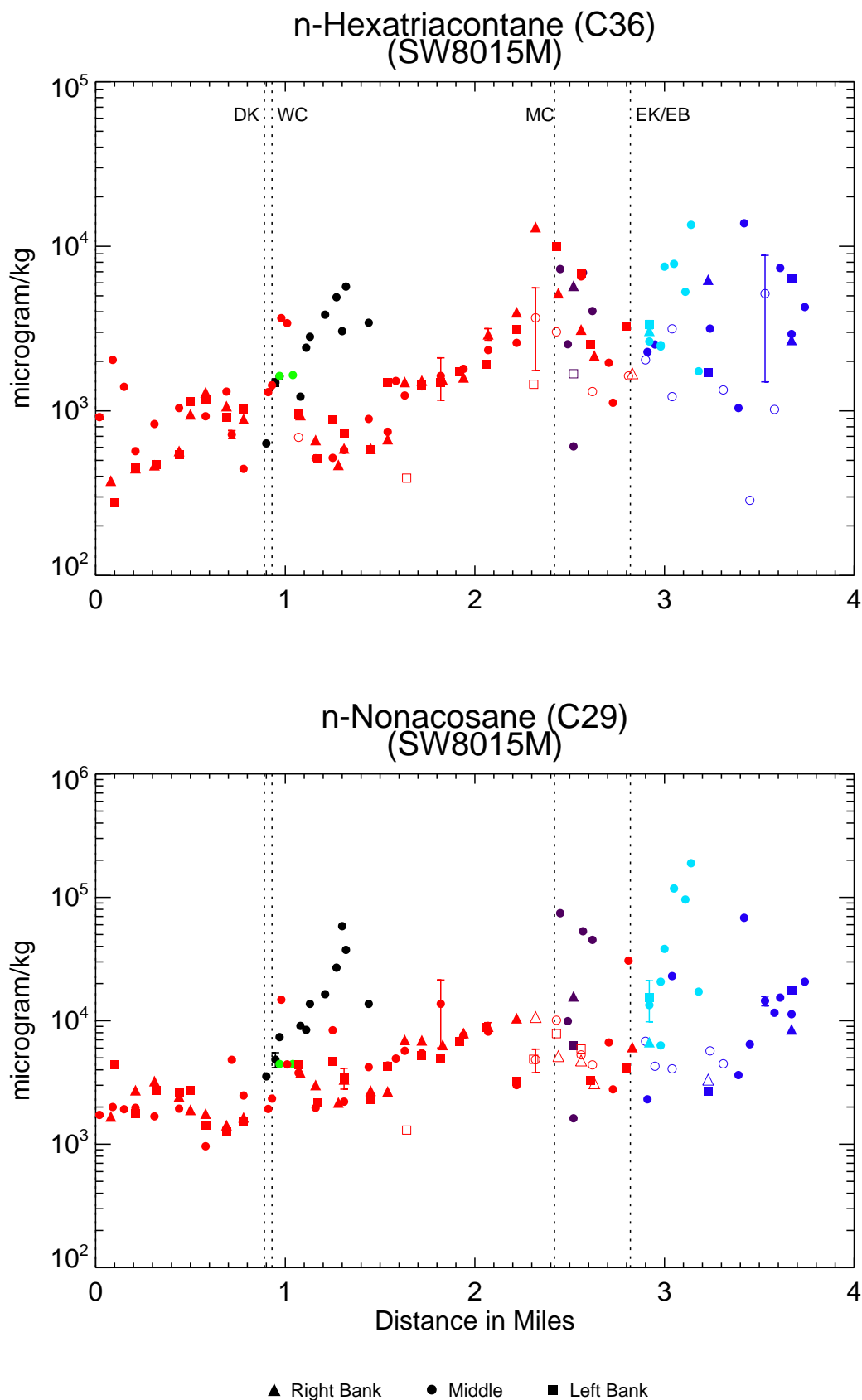
**Figure A4-111**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

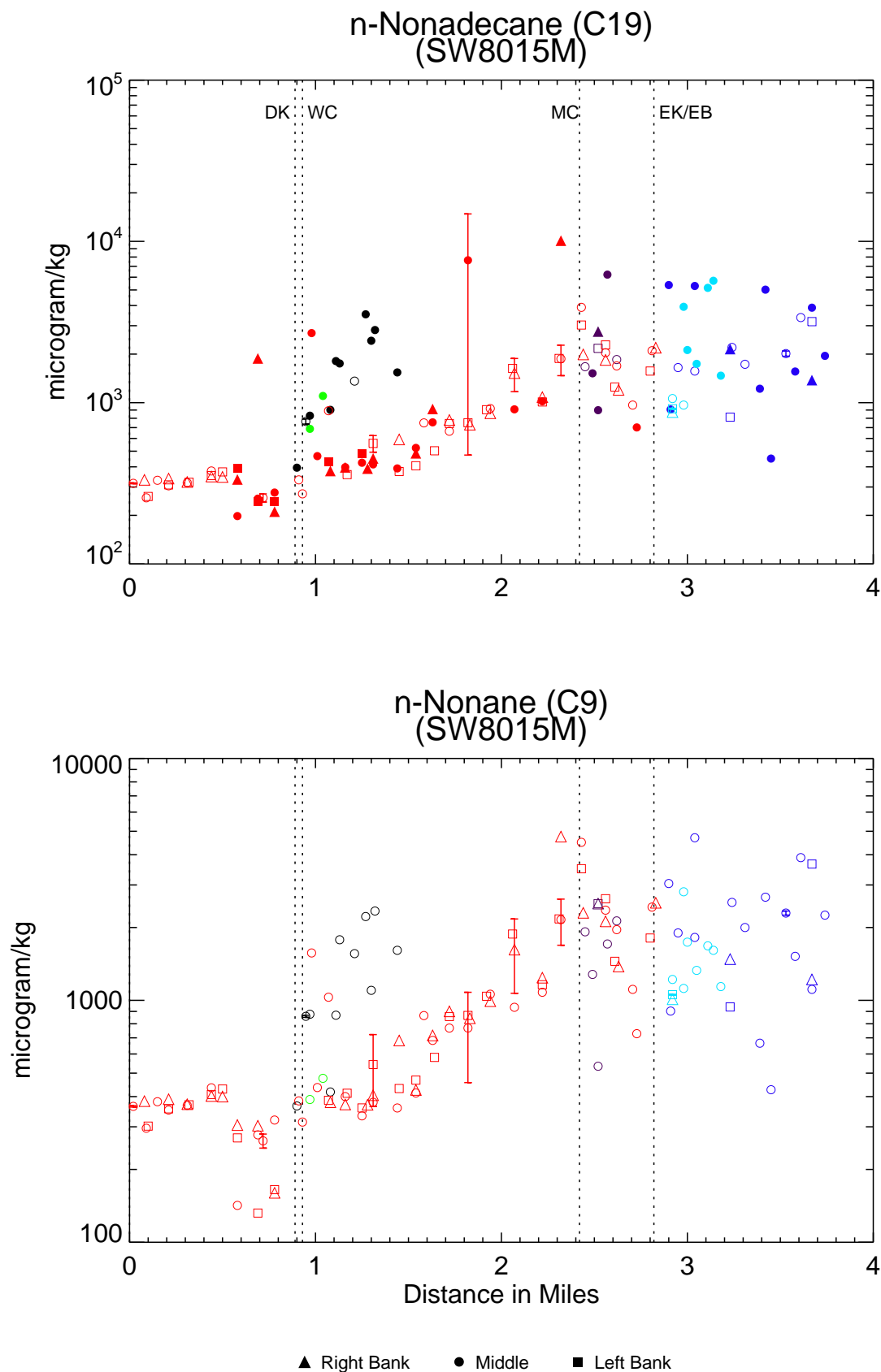
**Figure A4-112**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

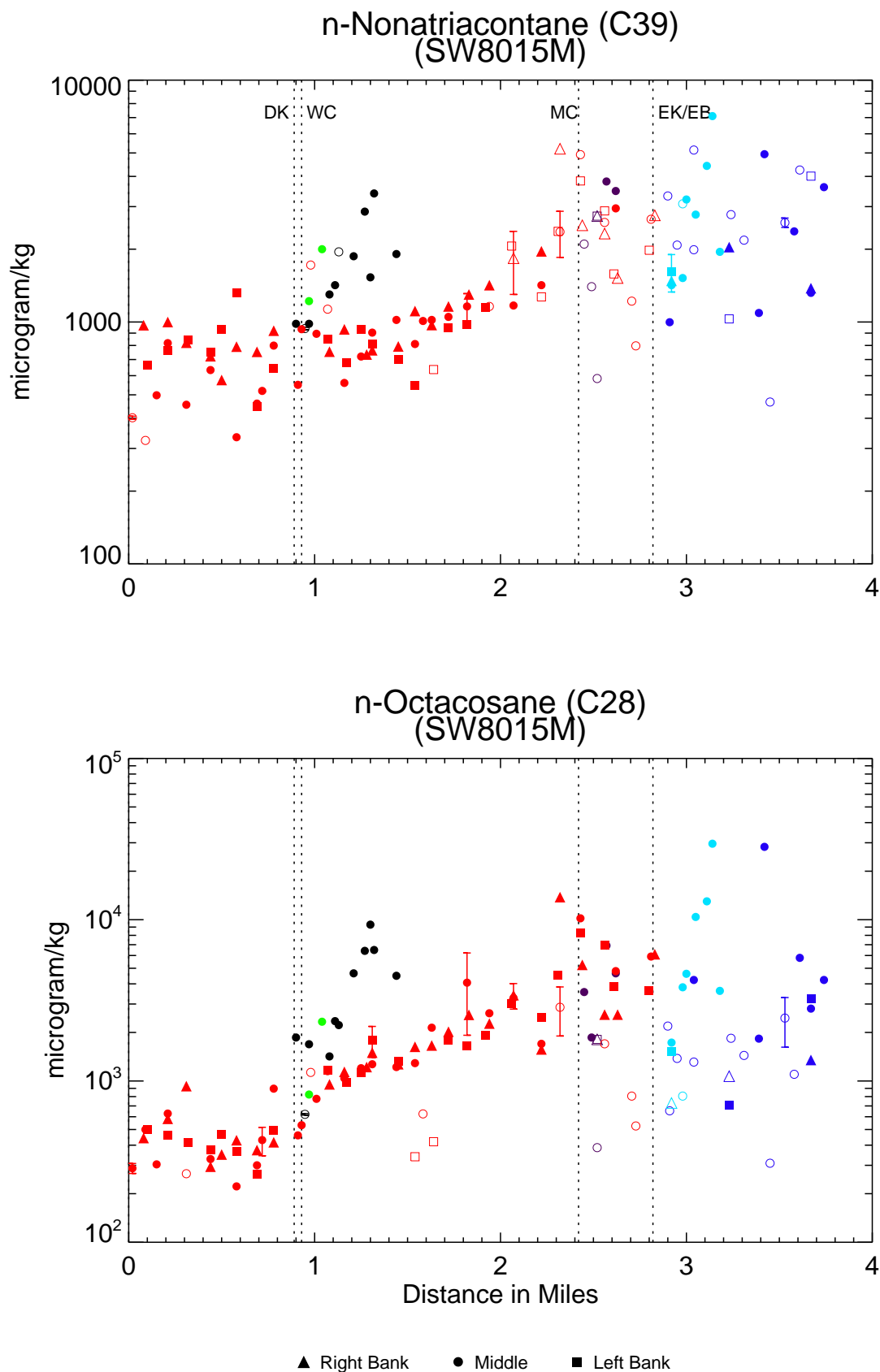
**Figure A4-113**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

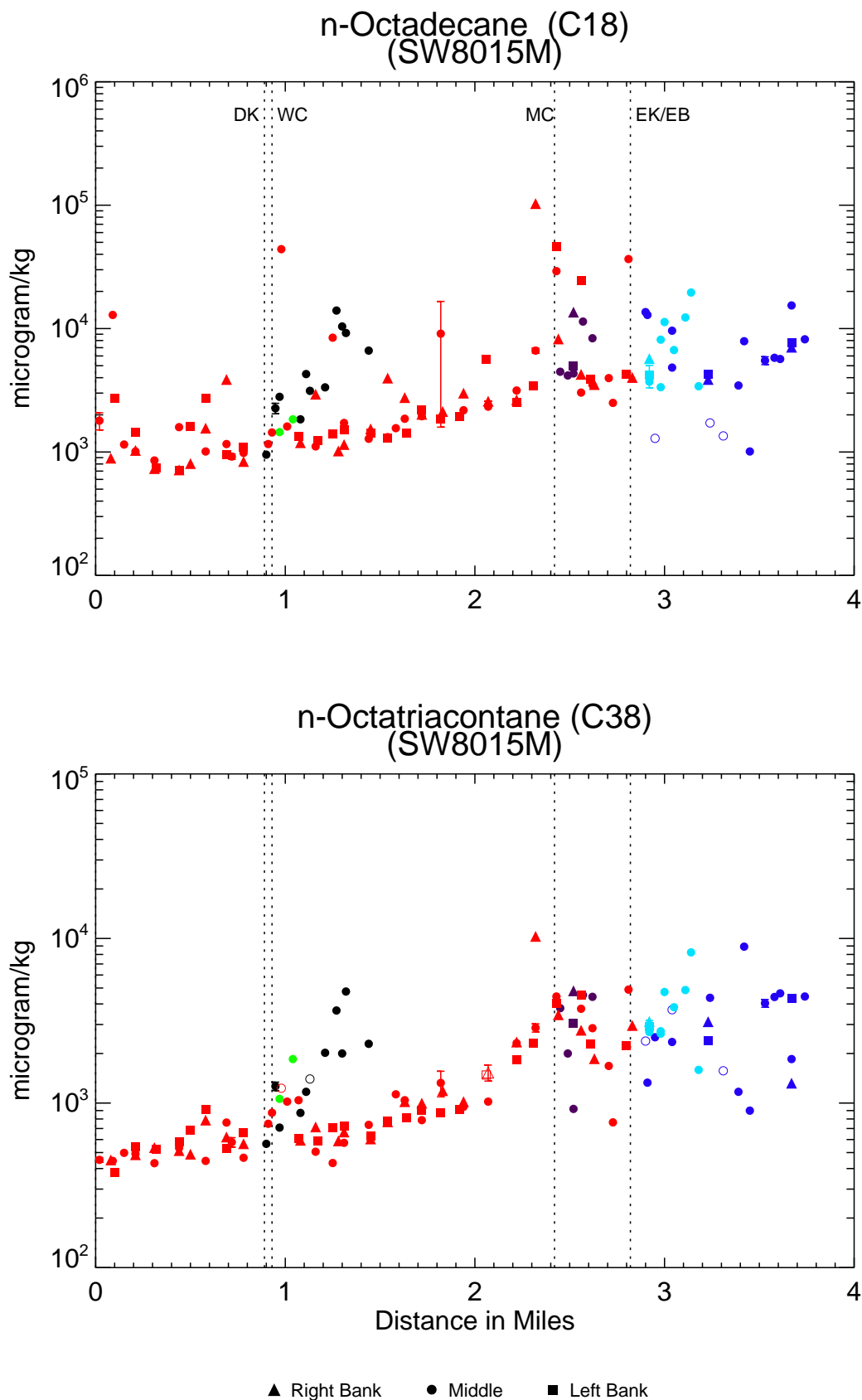
**Figure A4-114**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

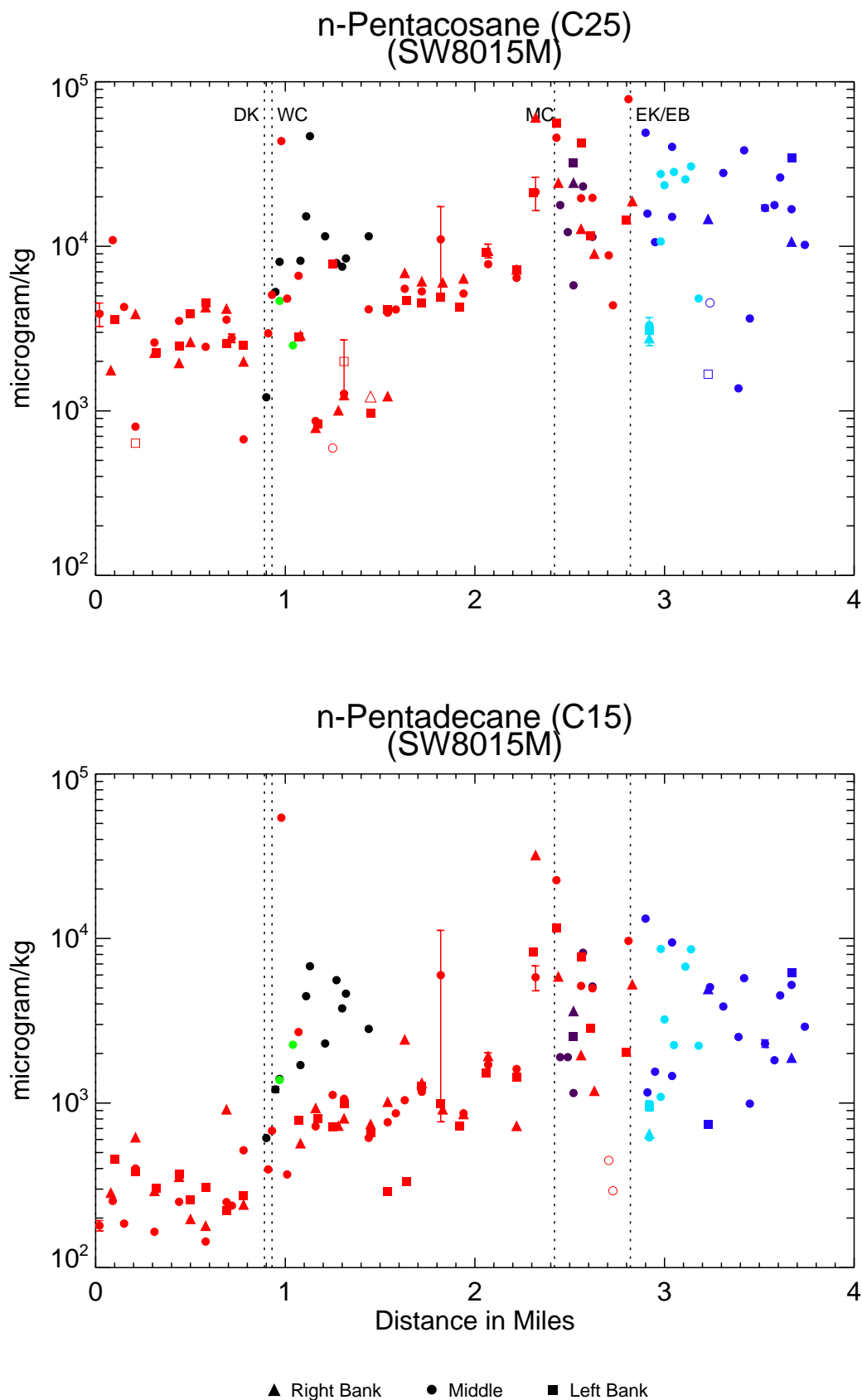
**Figure A4-115**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

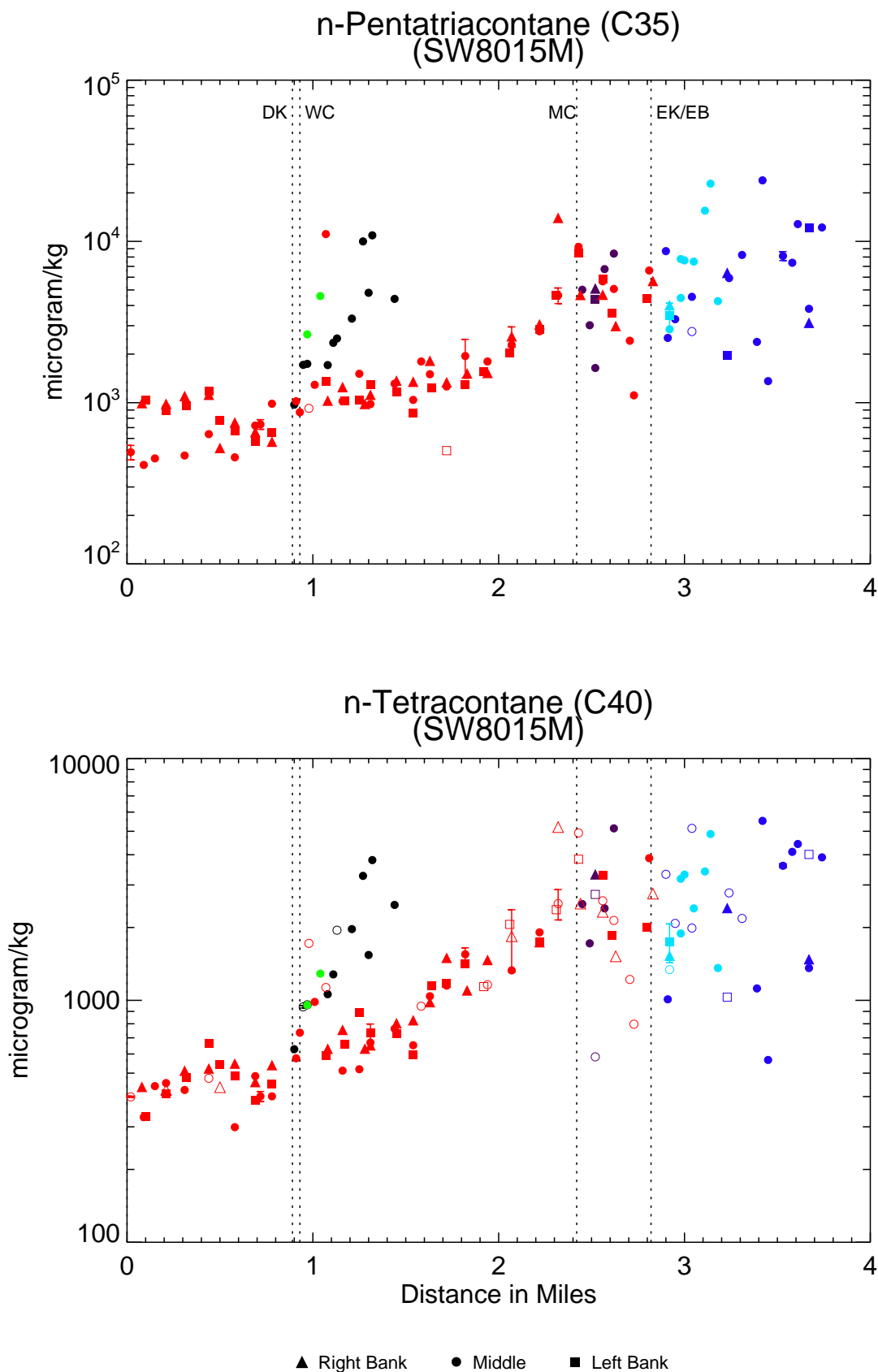
**Figure A4-116**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

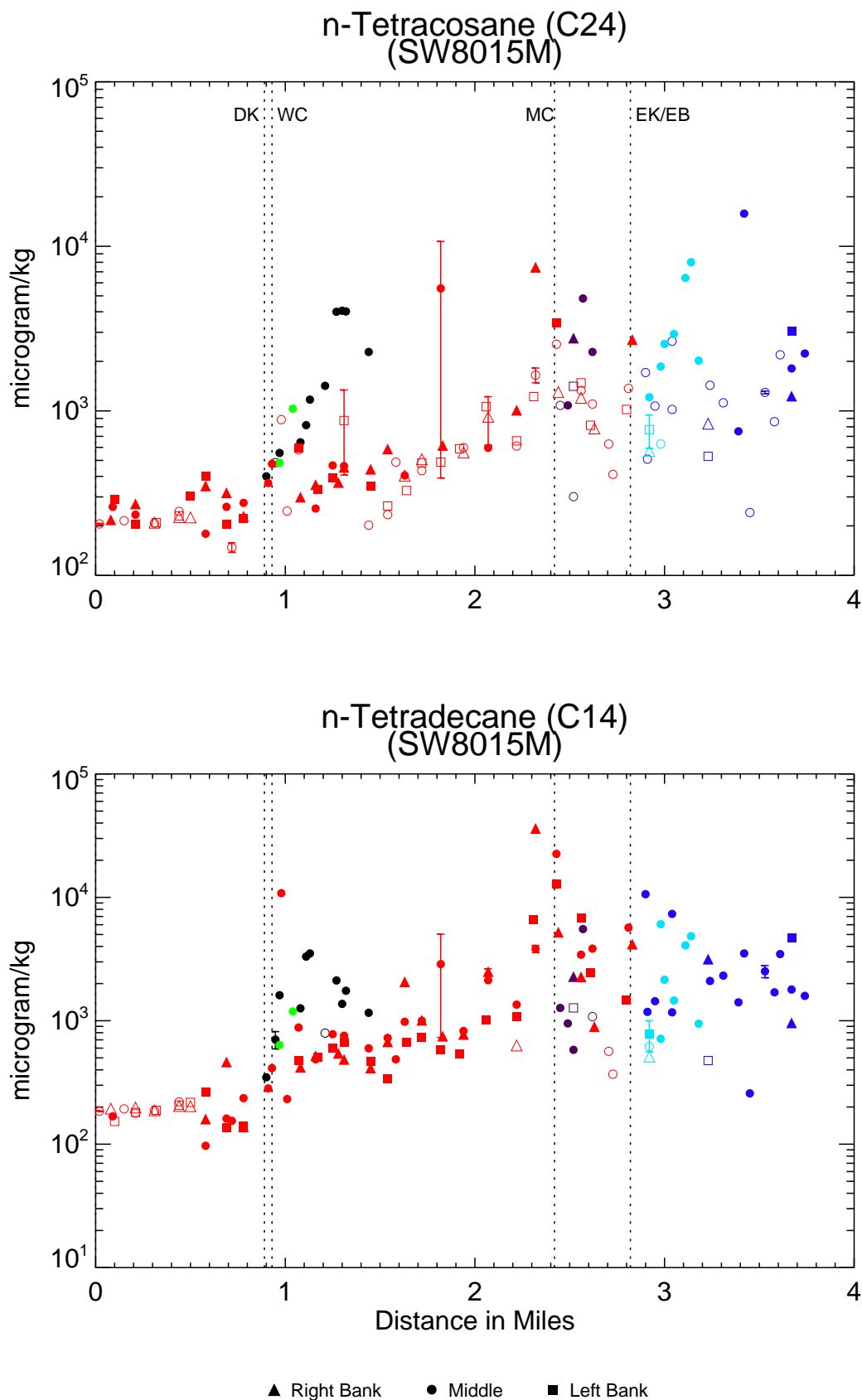
**Figure A4-117**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

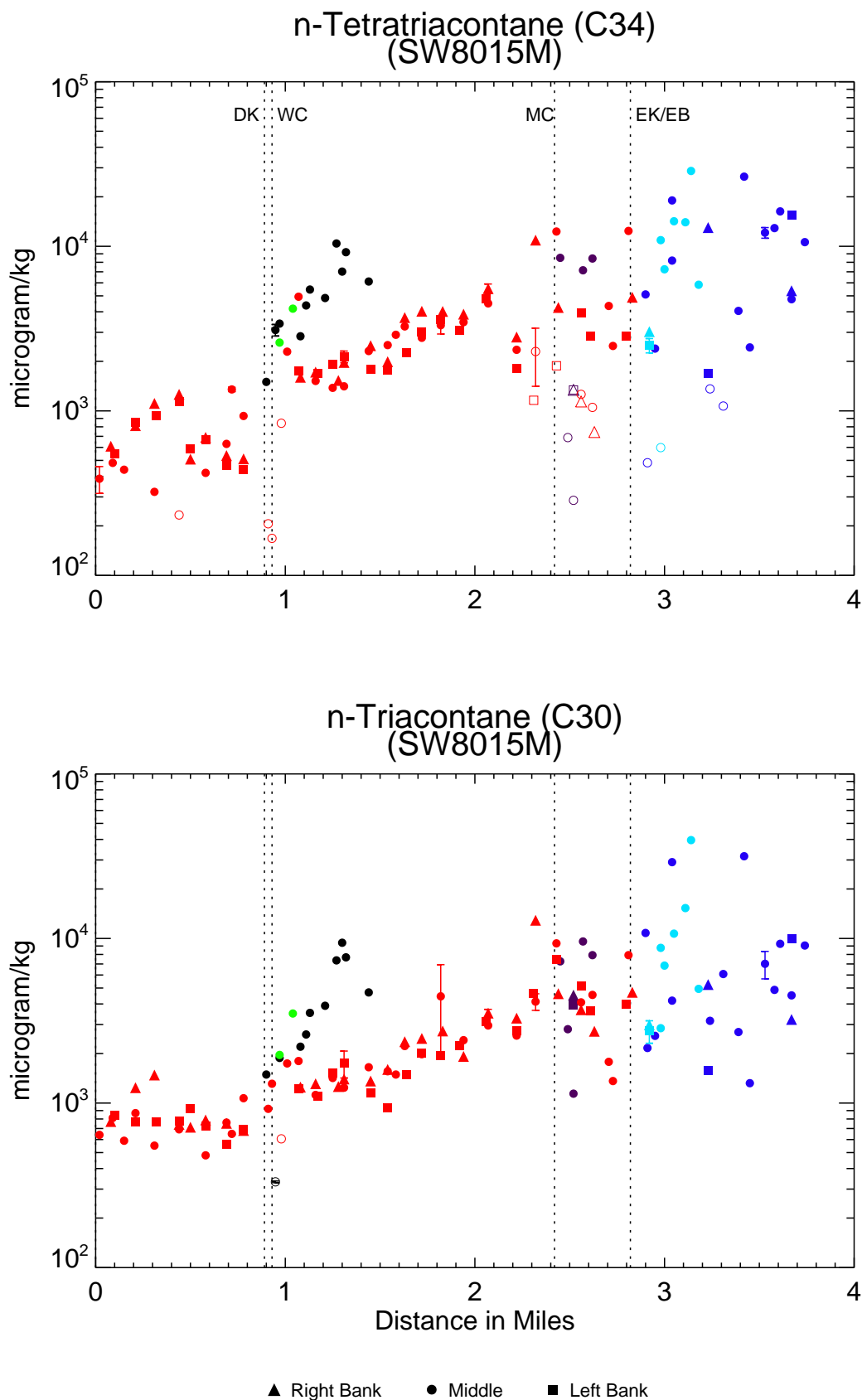
**Figure A4-118**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

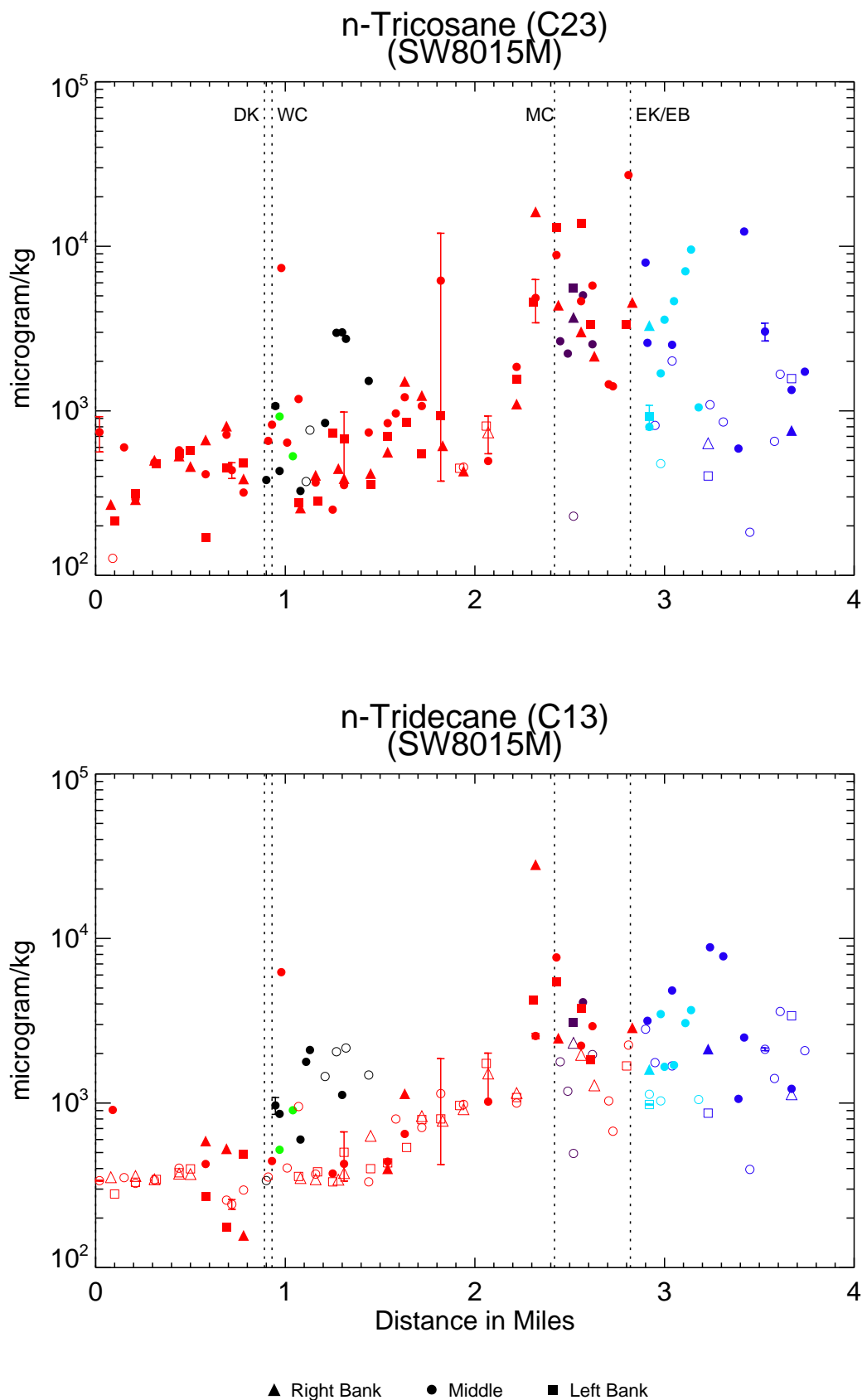
**Figure A4-119**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

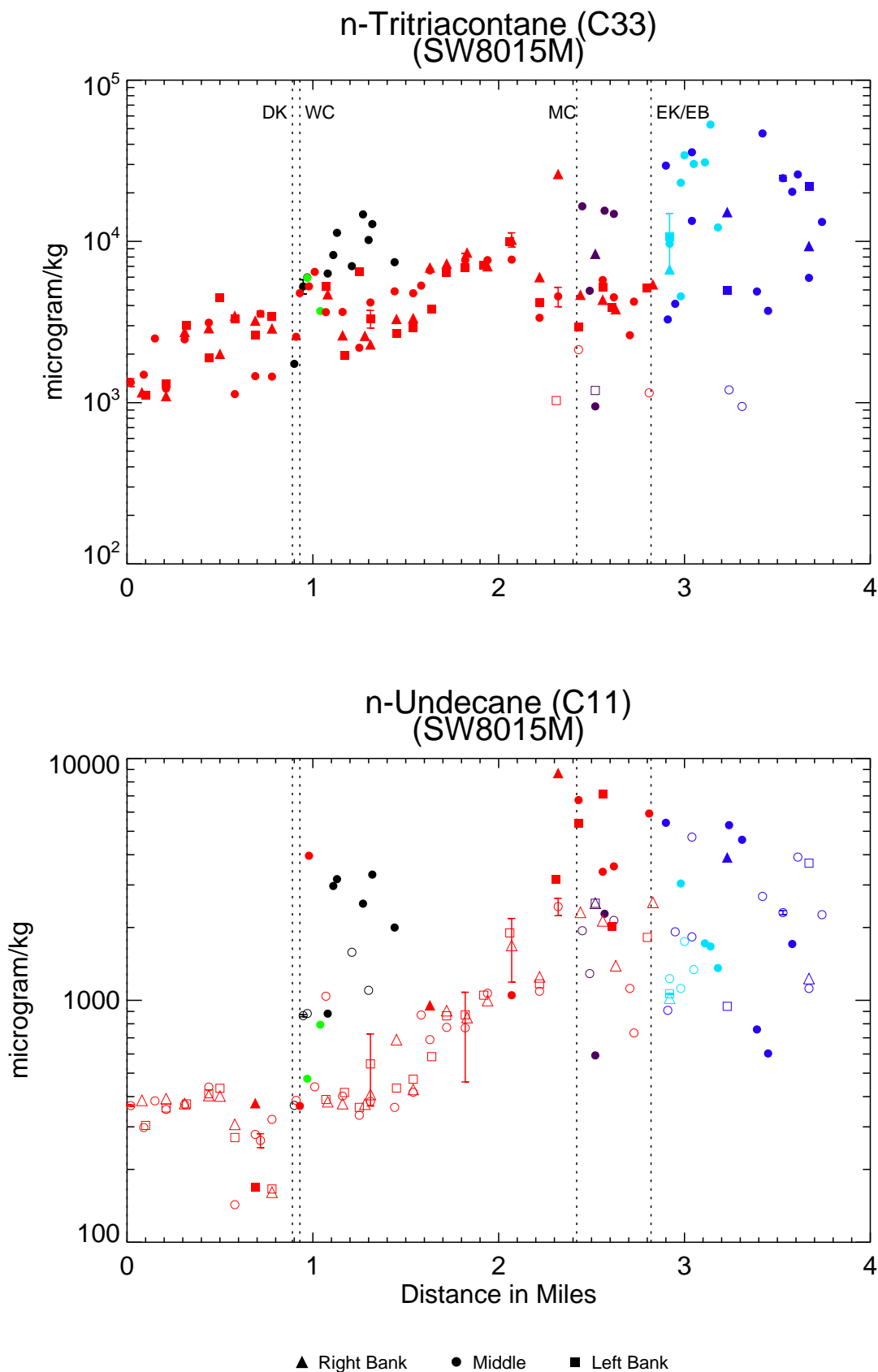
**Figure A4-120**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

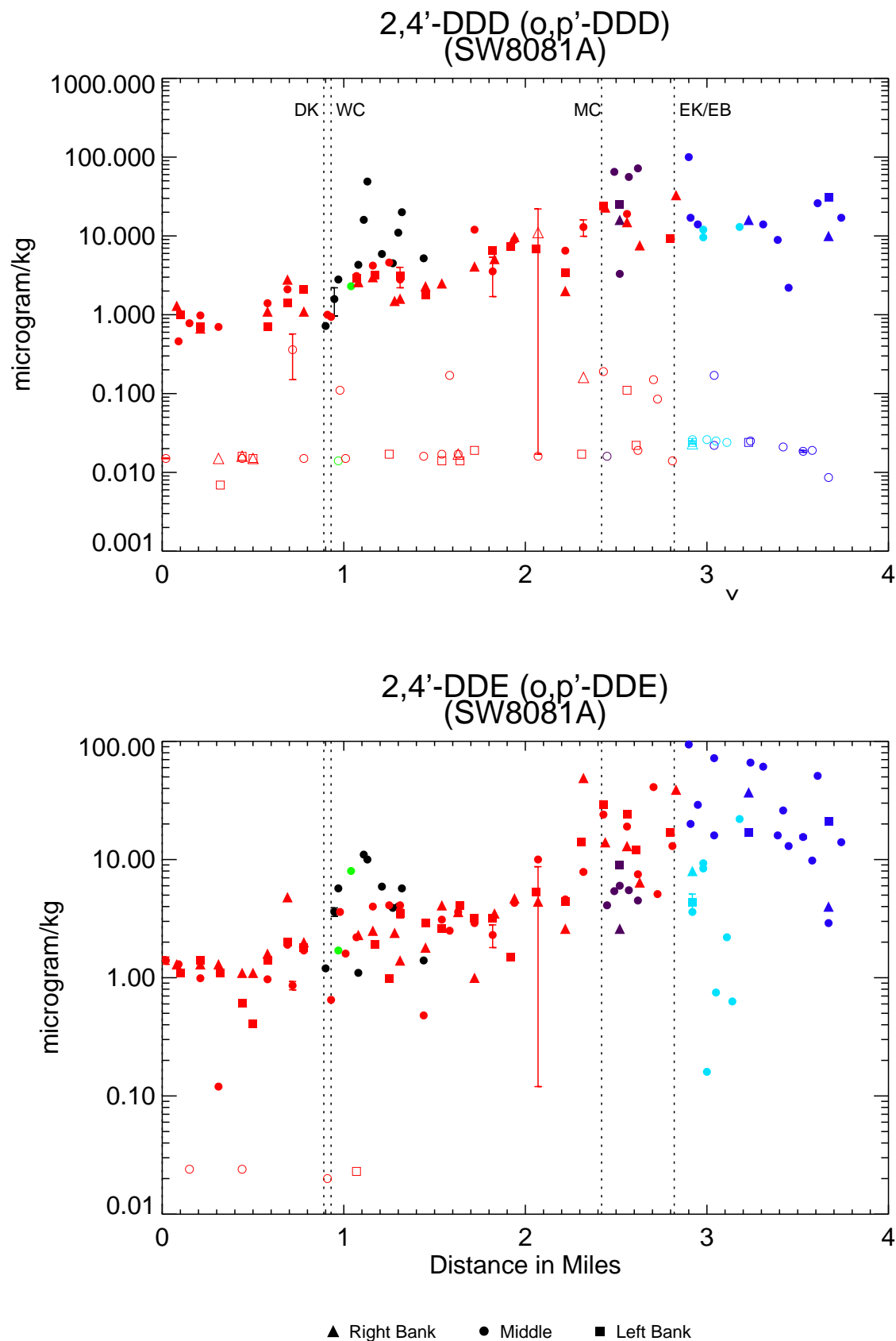
**Figure A4-121**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

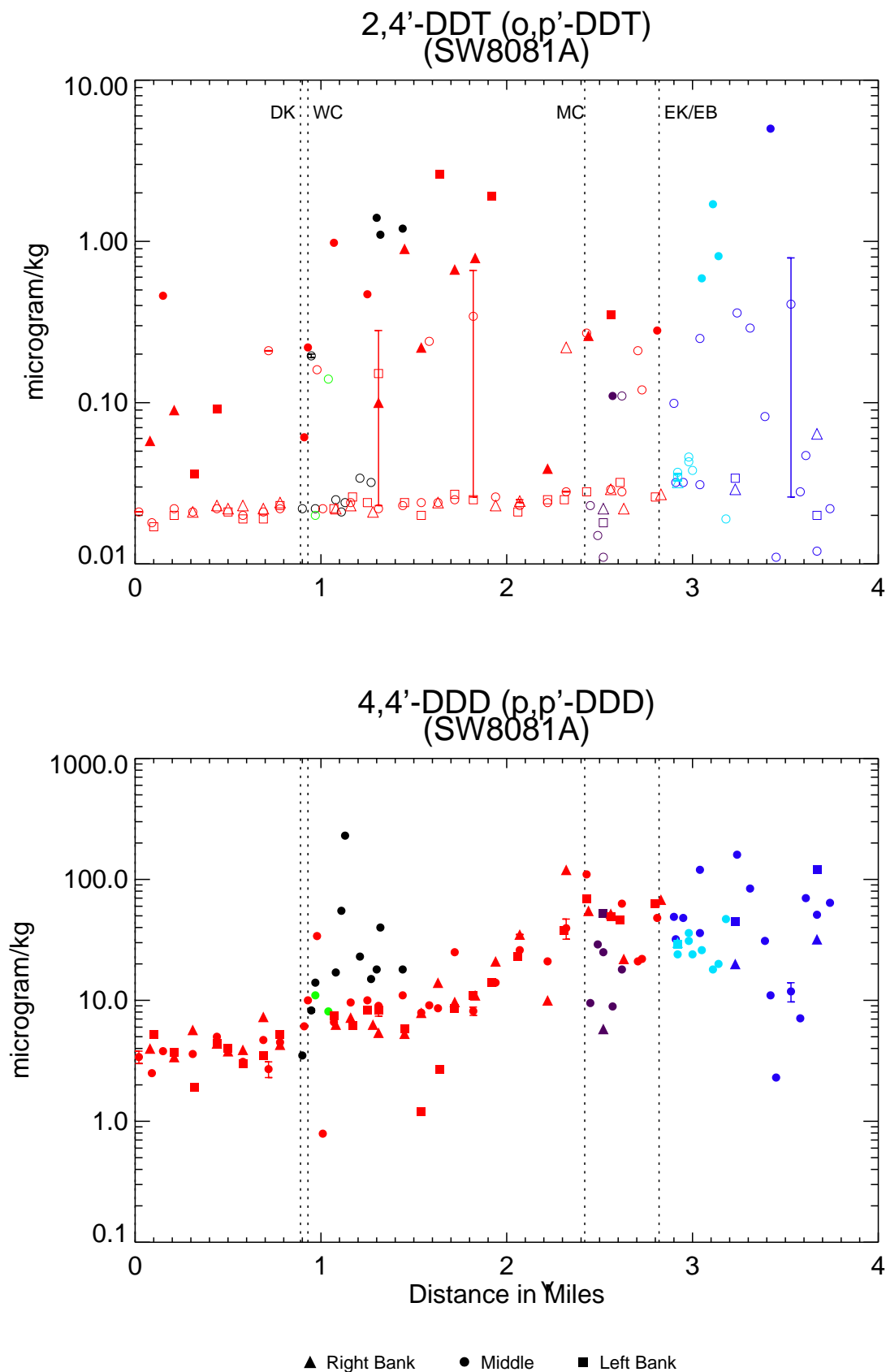
**Figure A4-122**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

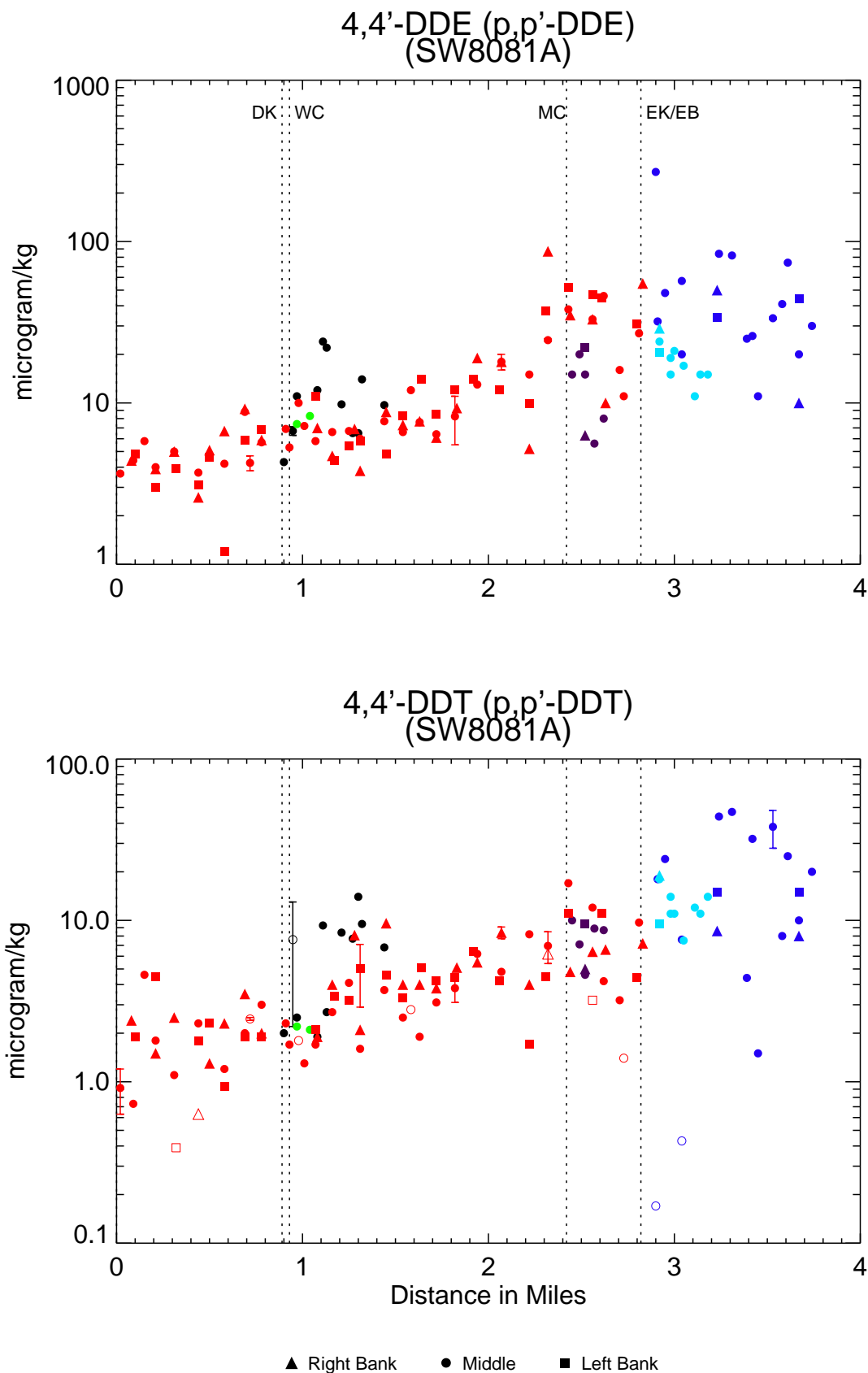
**Figure A4-123**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

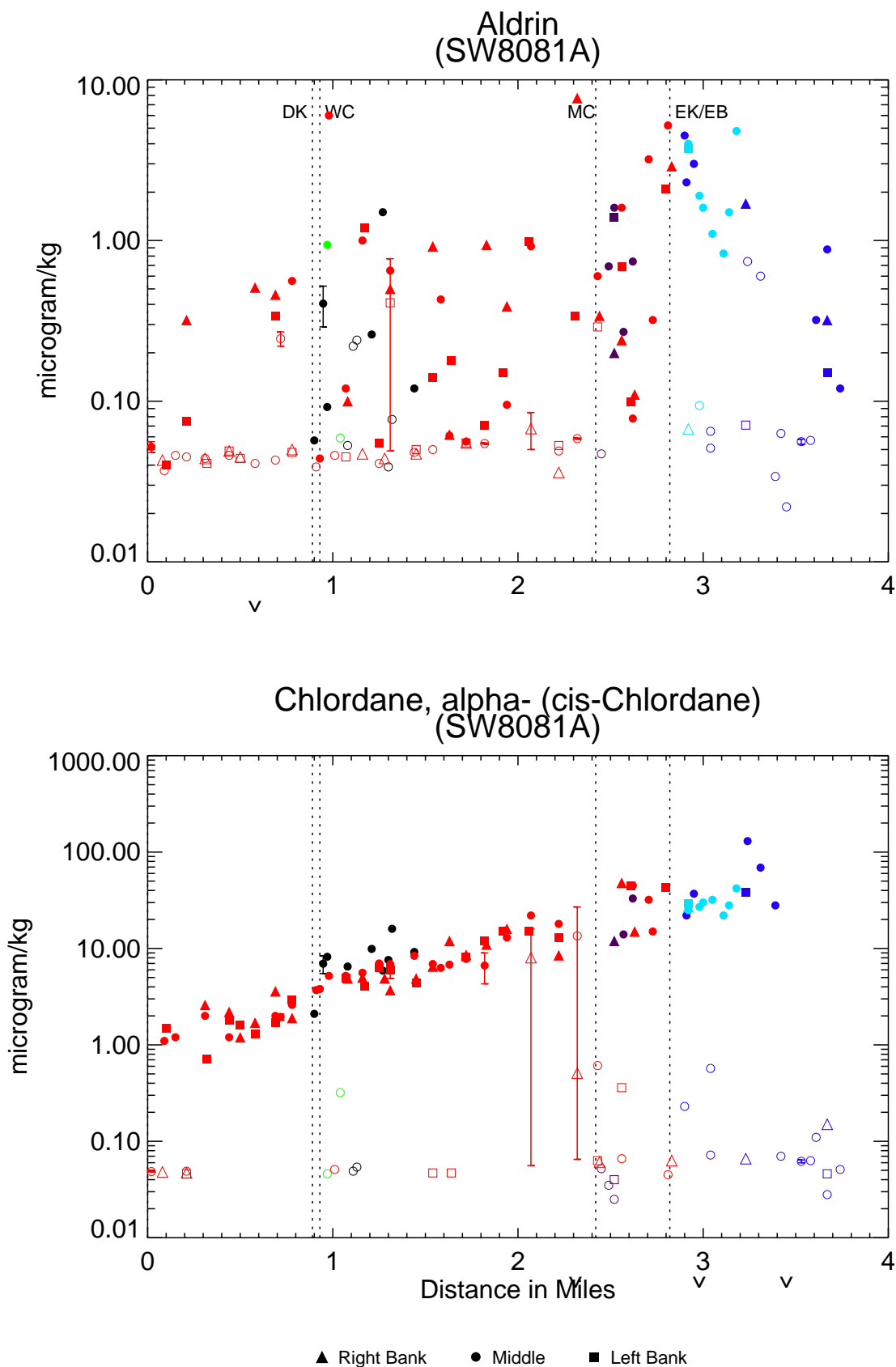
**Figure A4-124**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

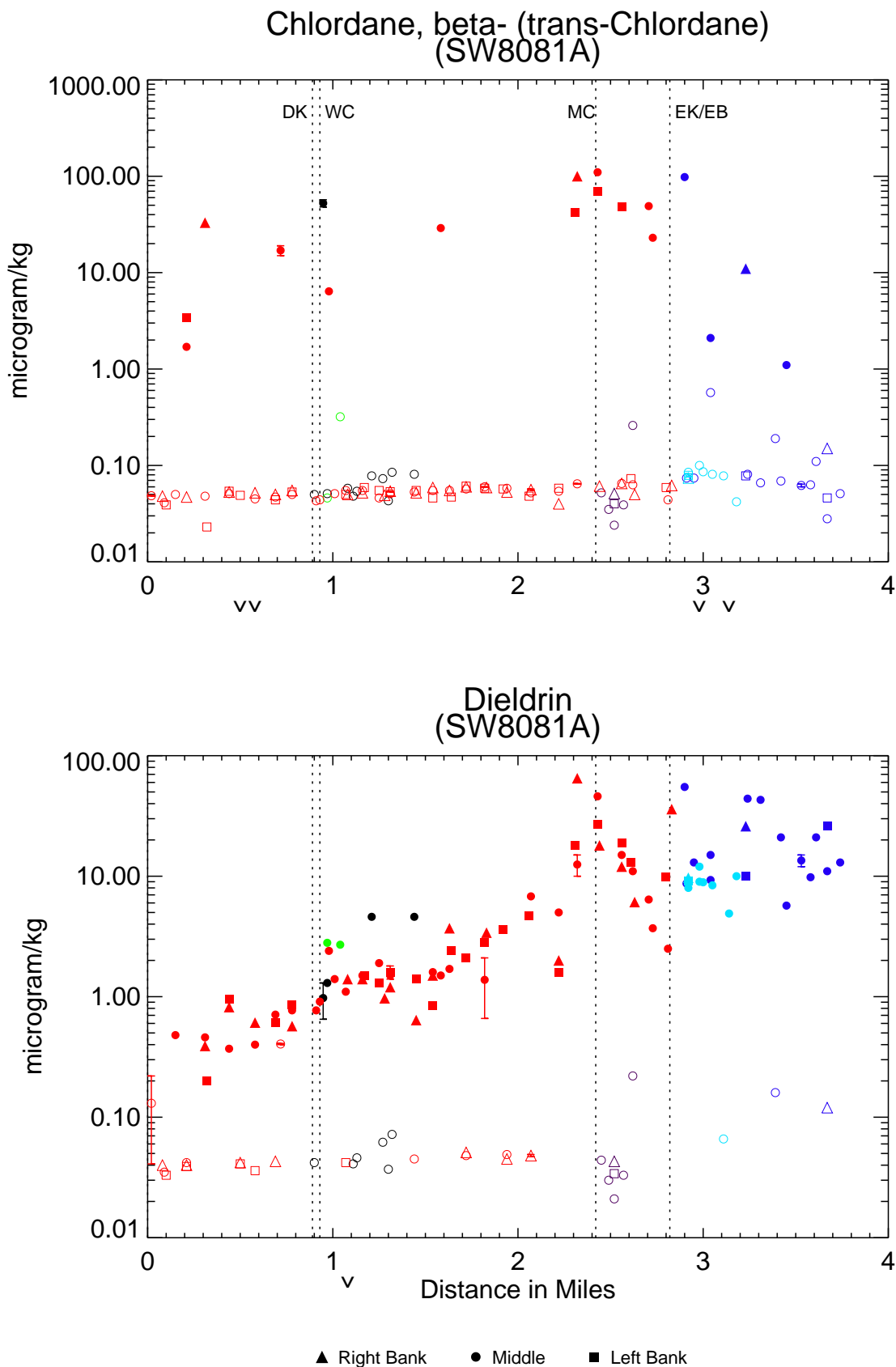
**Figure A4-125**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

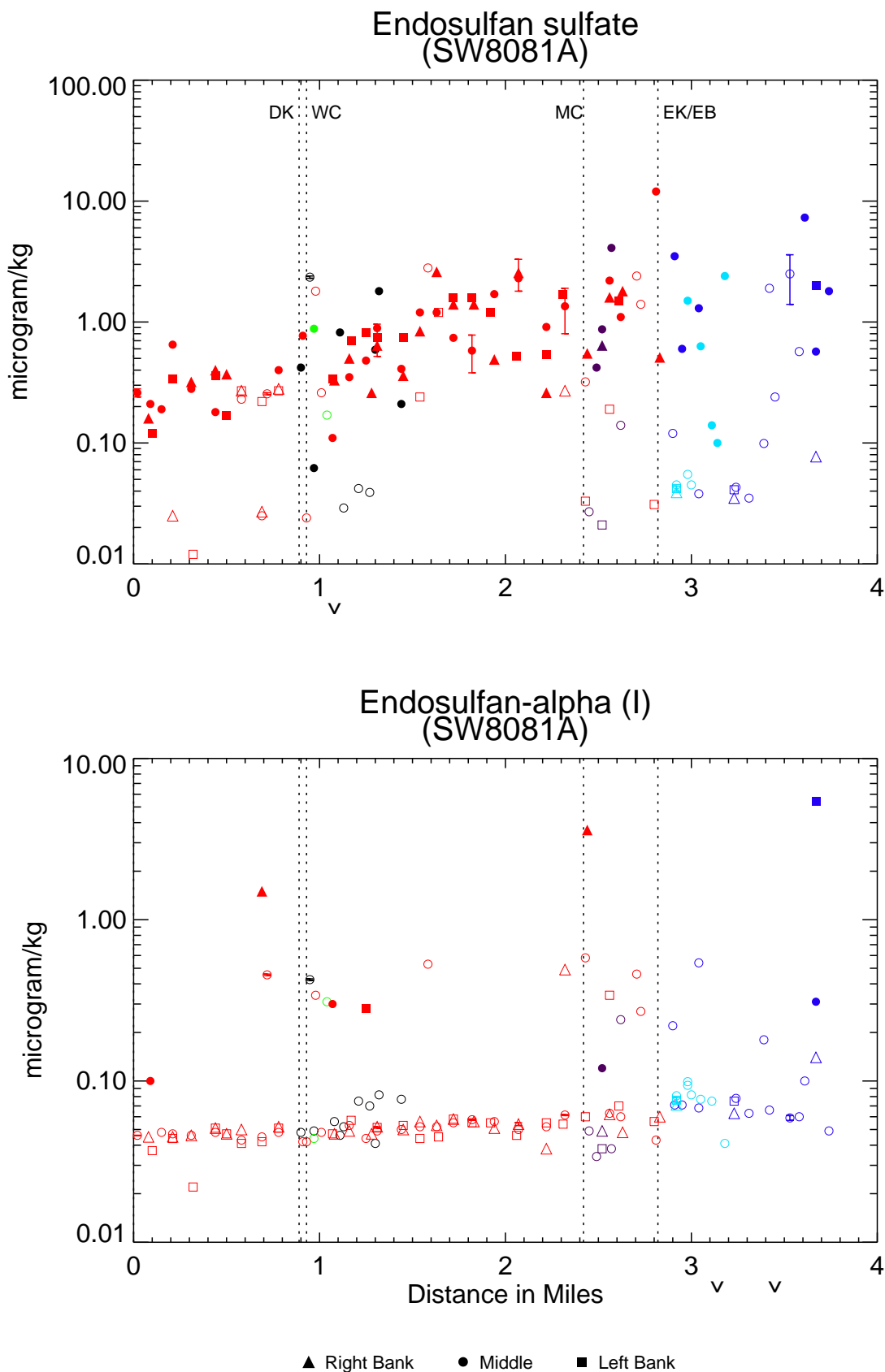
**Figure A4-126**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

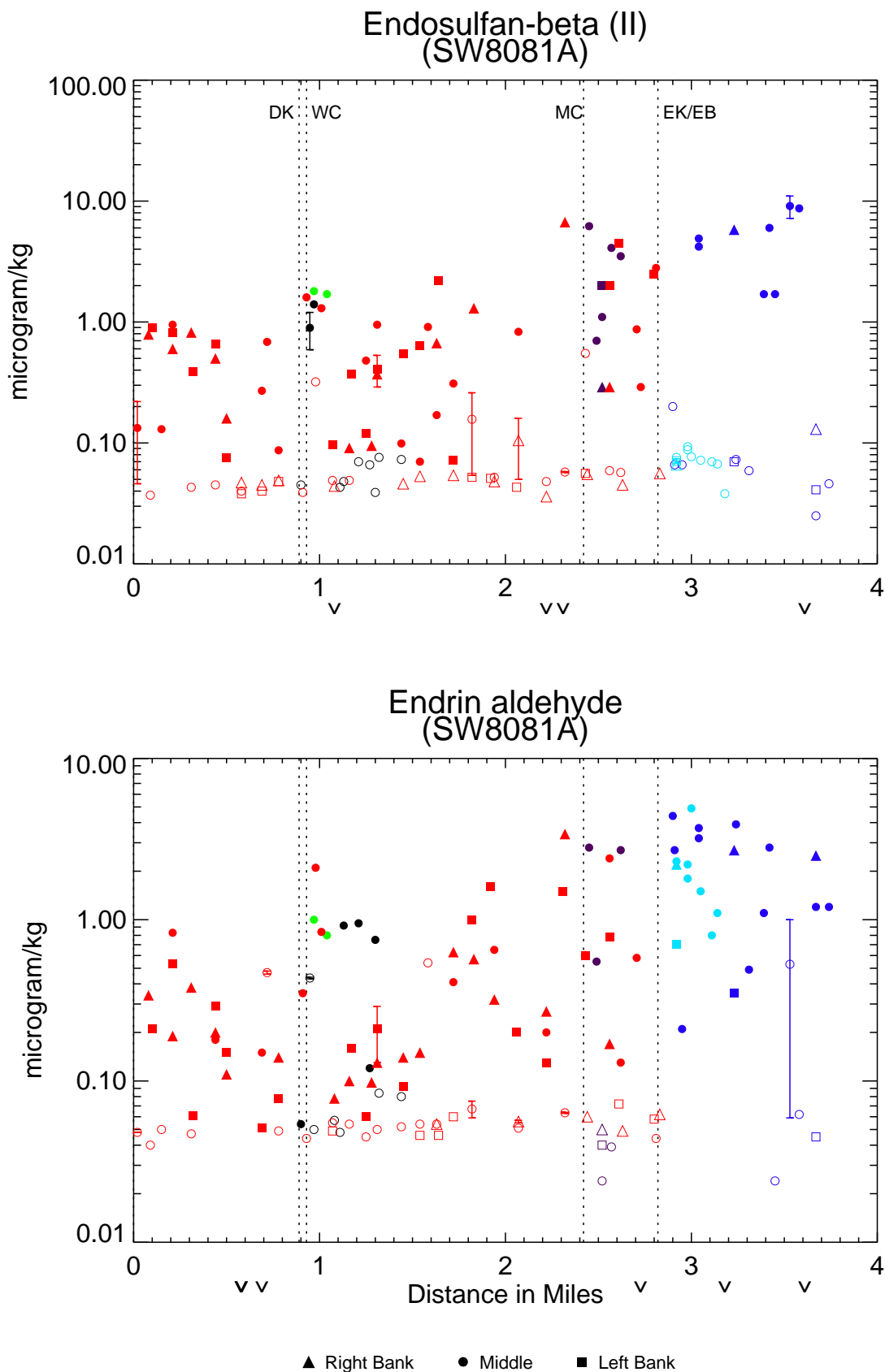
**Figure A4-127**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

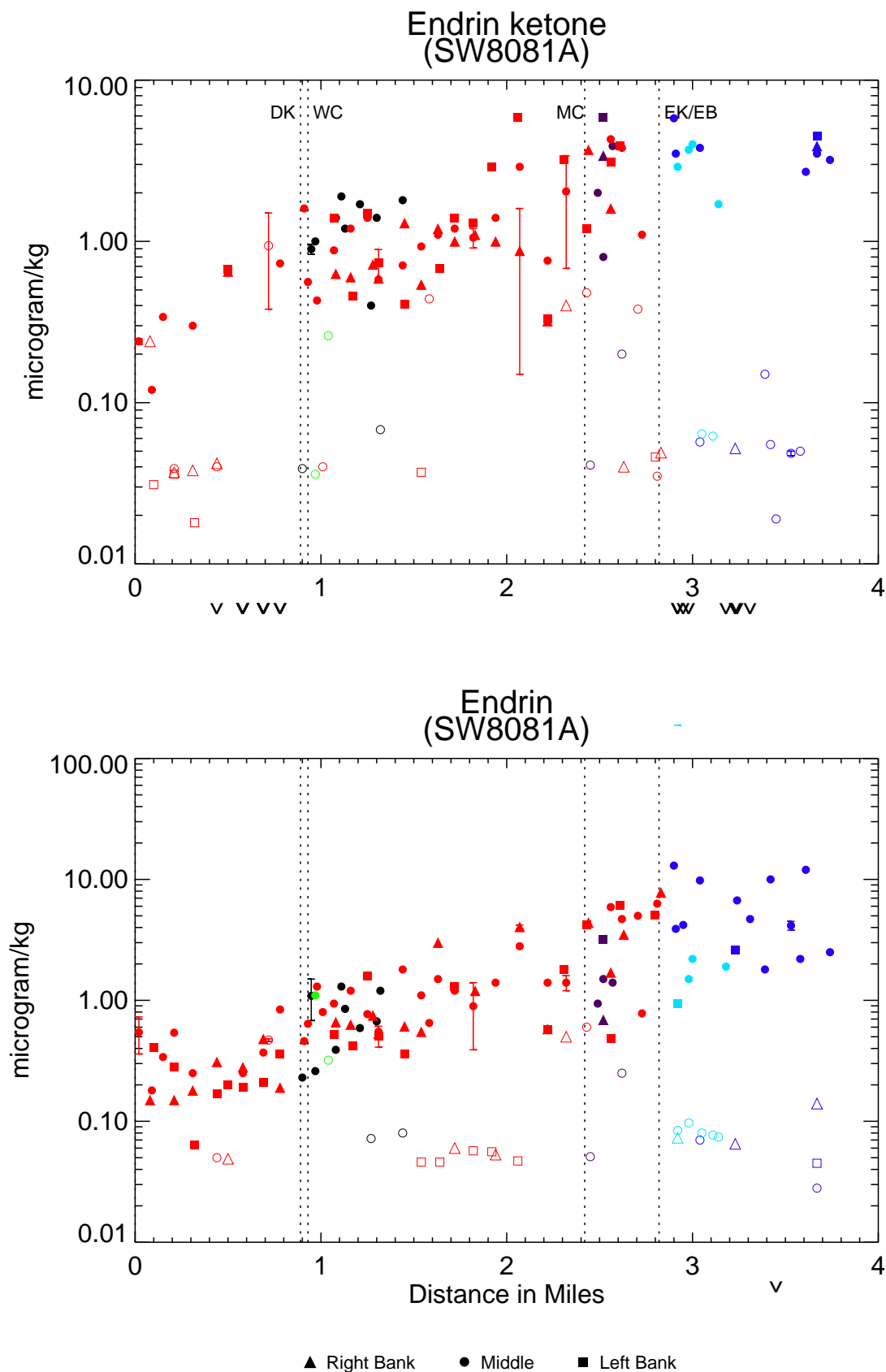
**Figure A4-128**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

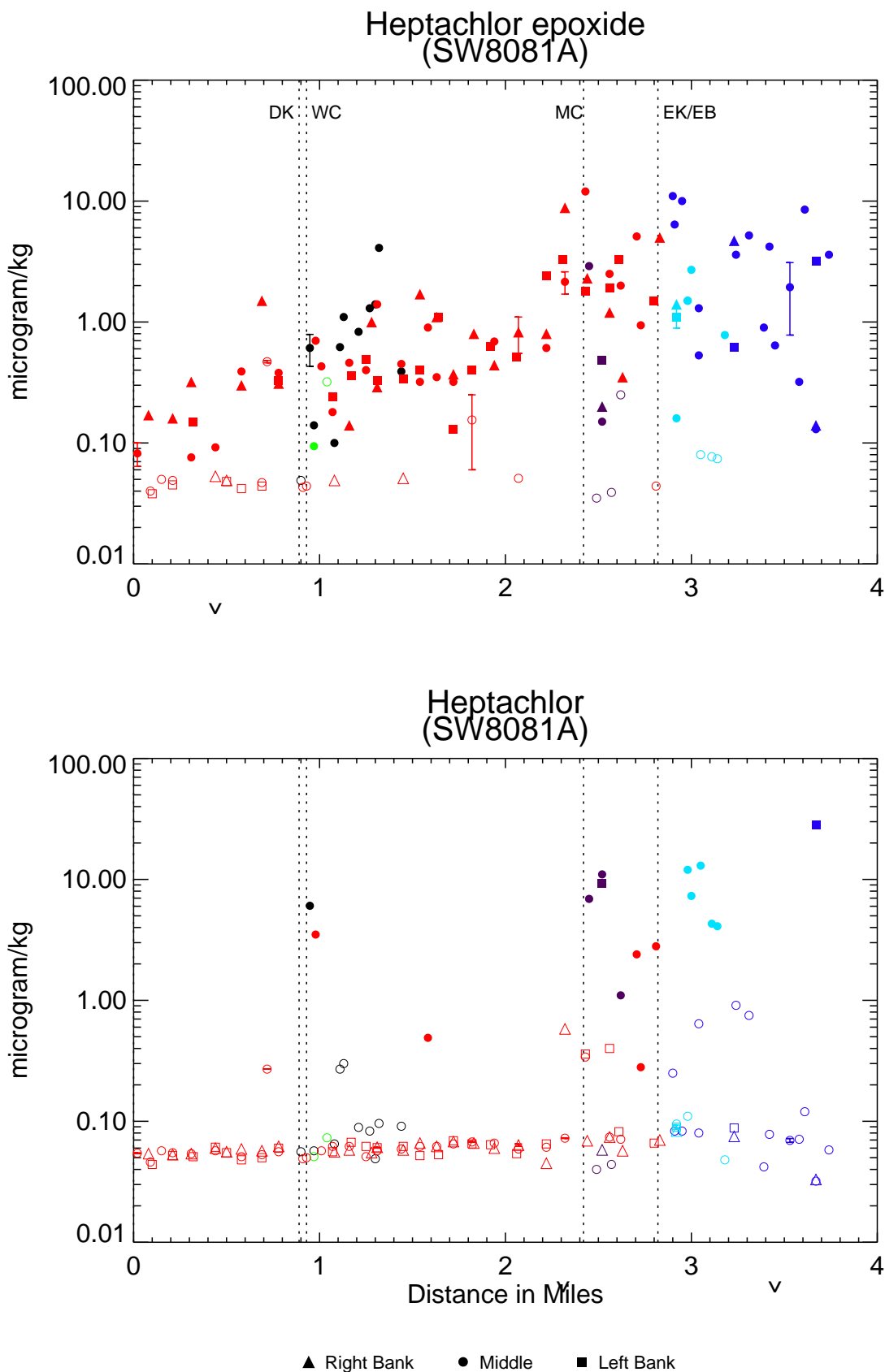
**Figure A4-129**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

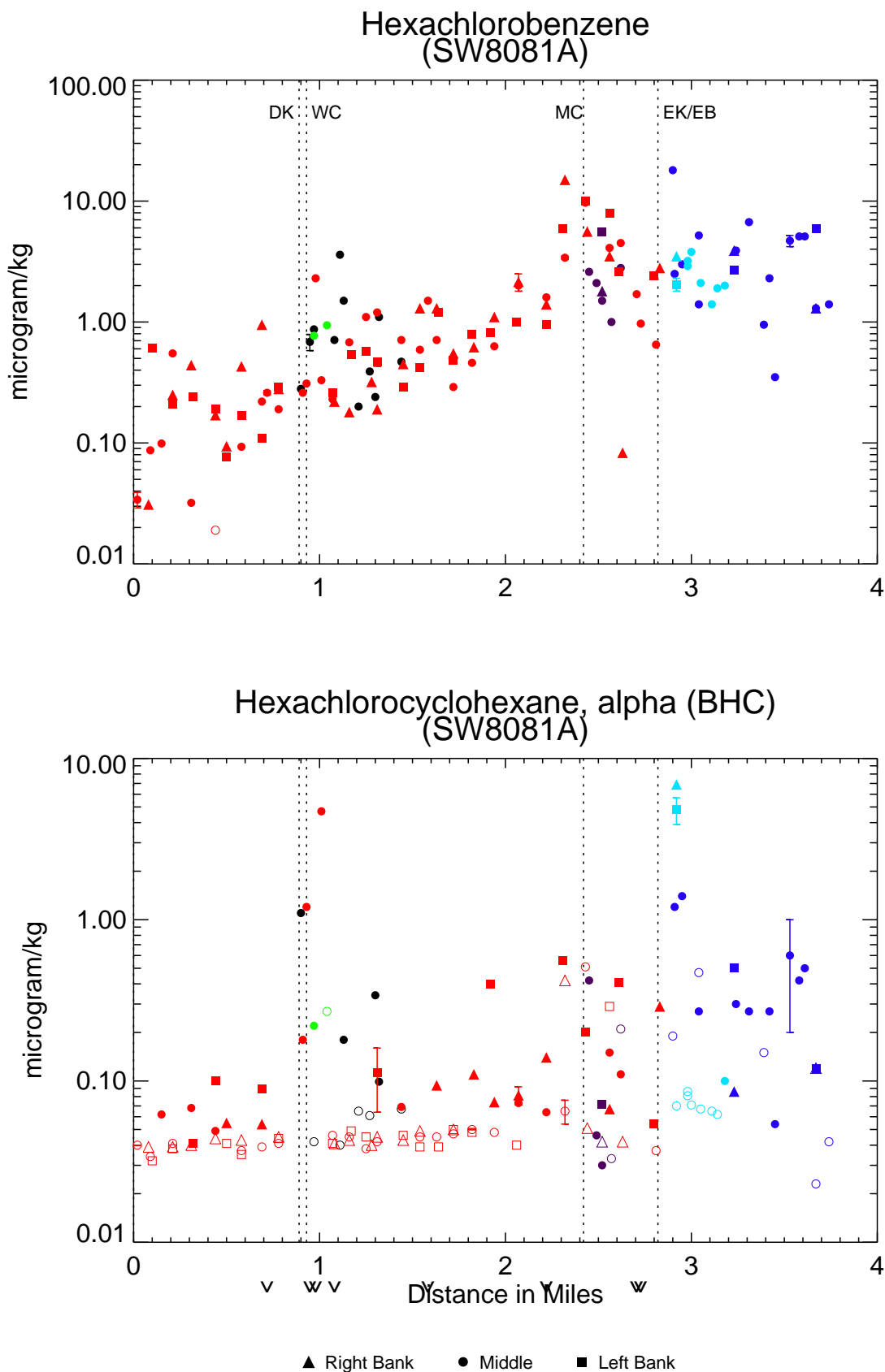
**Figure A4-130**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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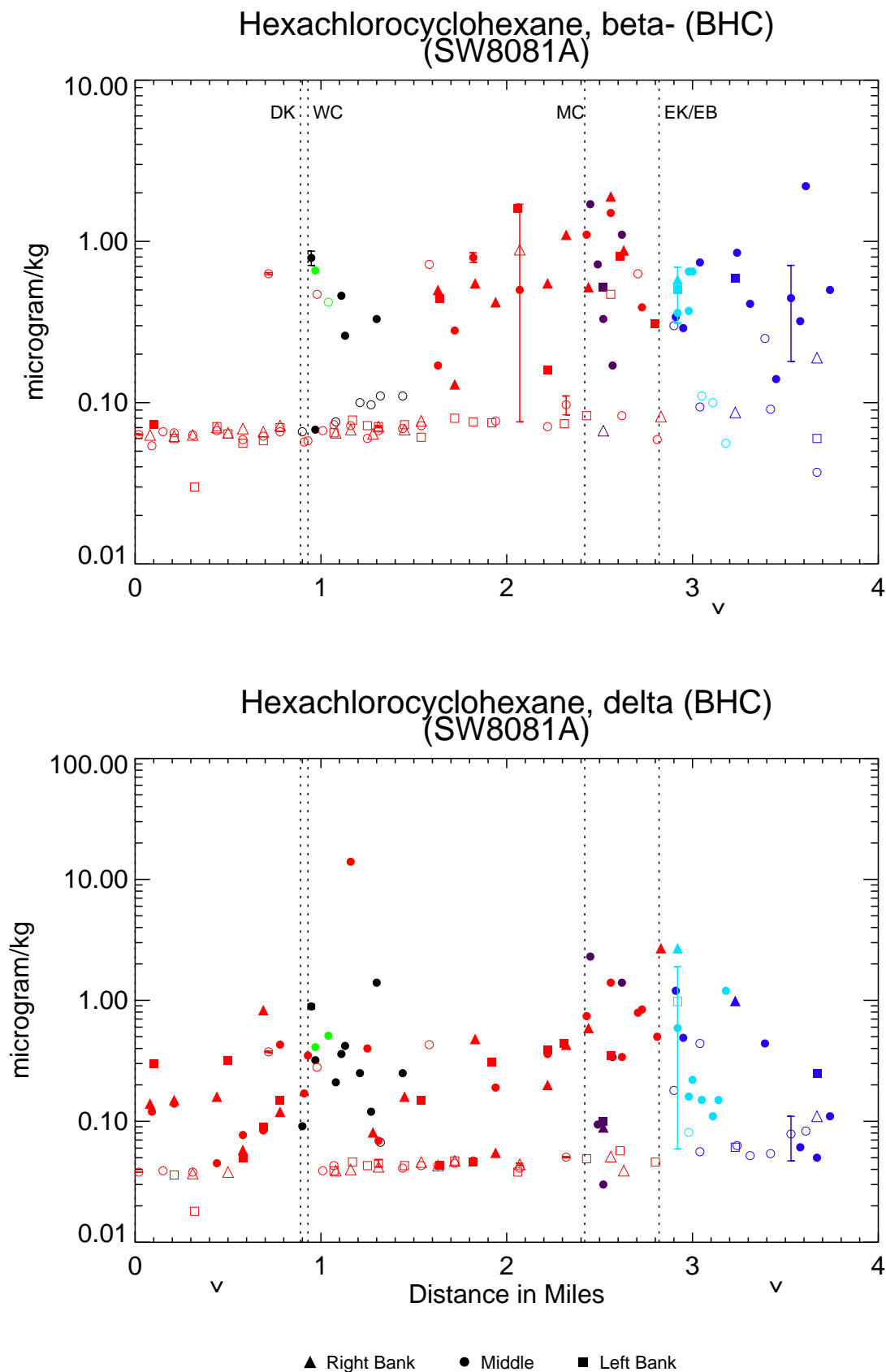
**Figure A4-131**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

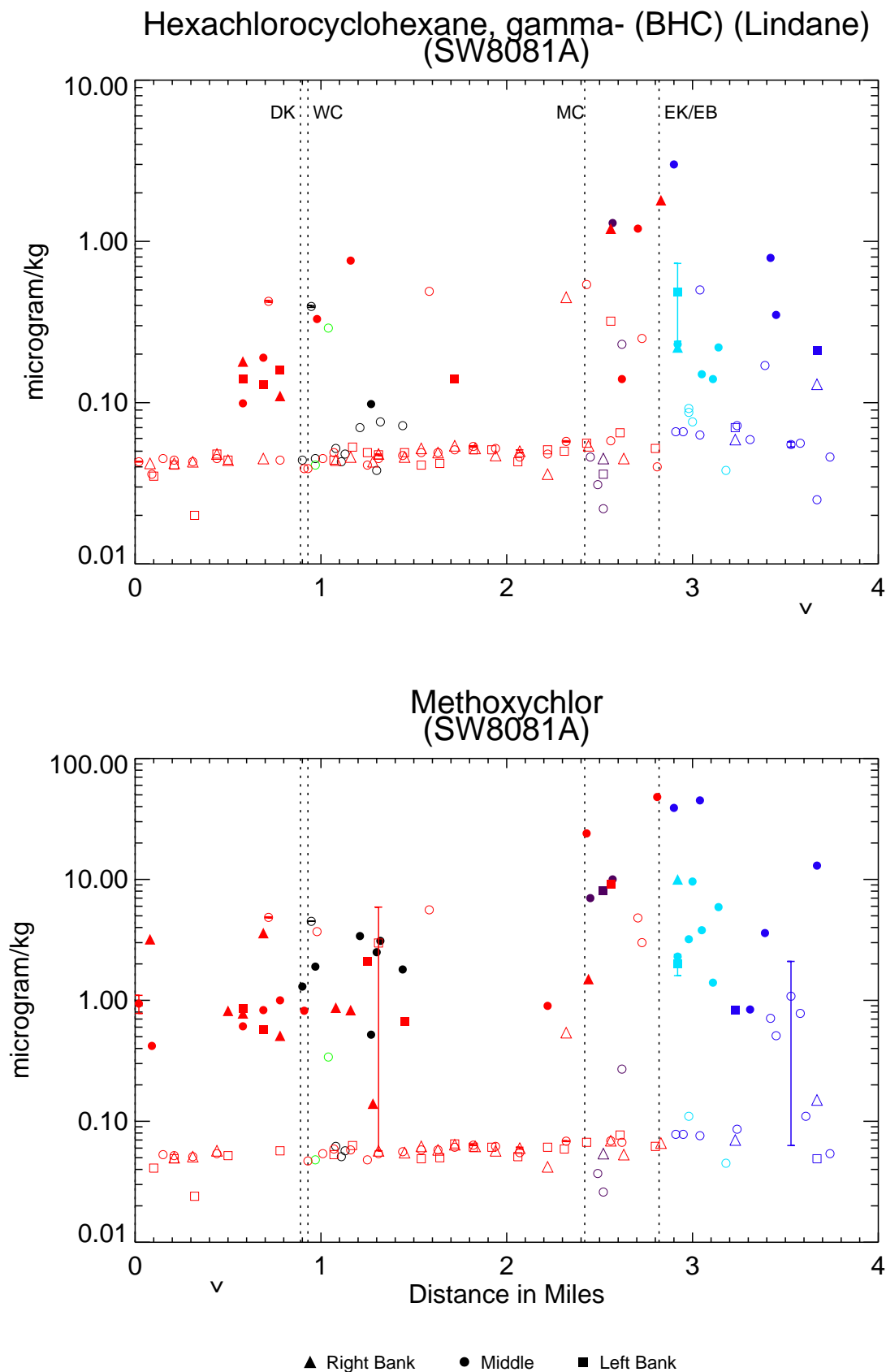
**Figure A4-132**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

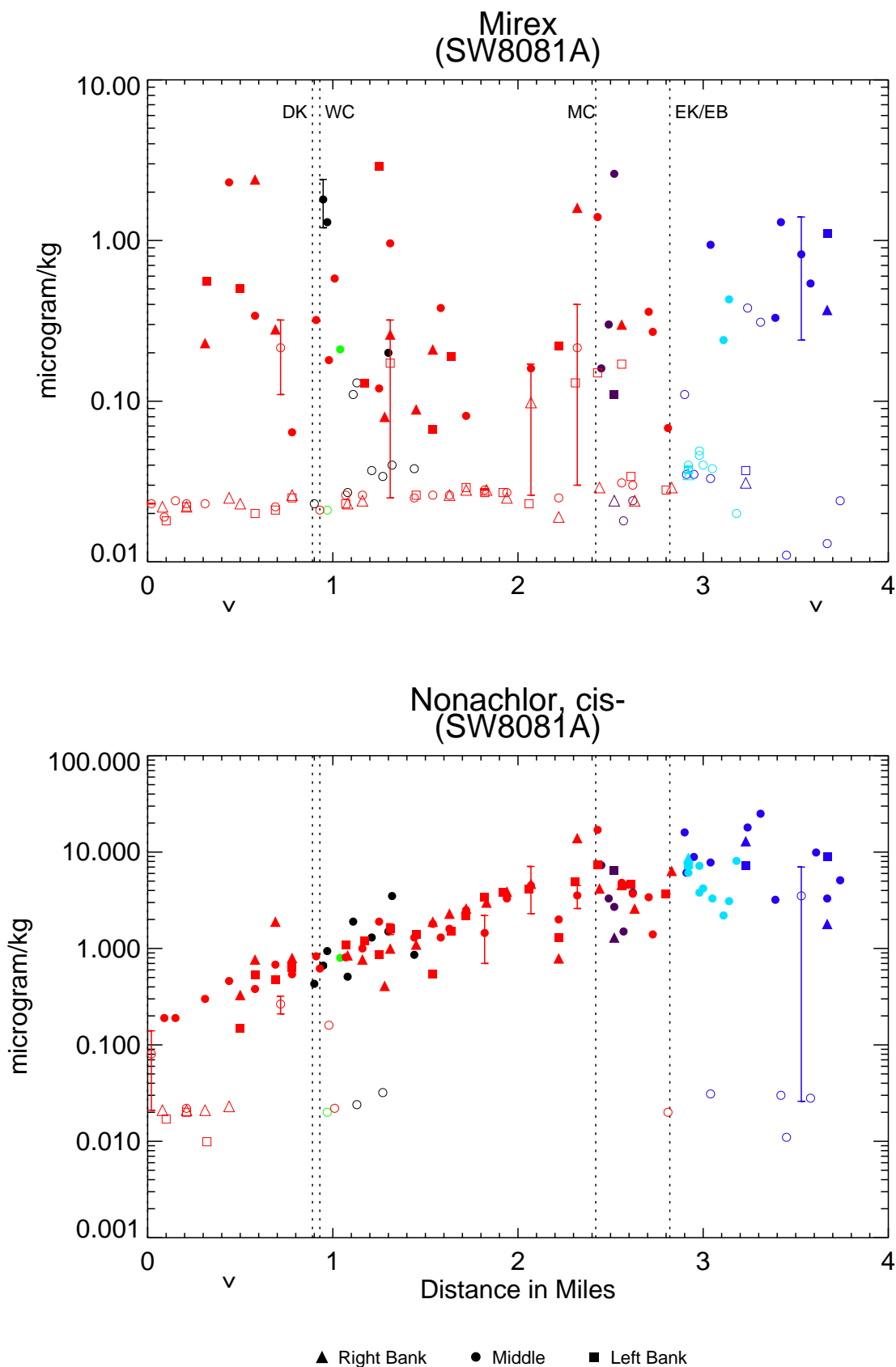
**Figure A4-133**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

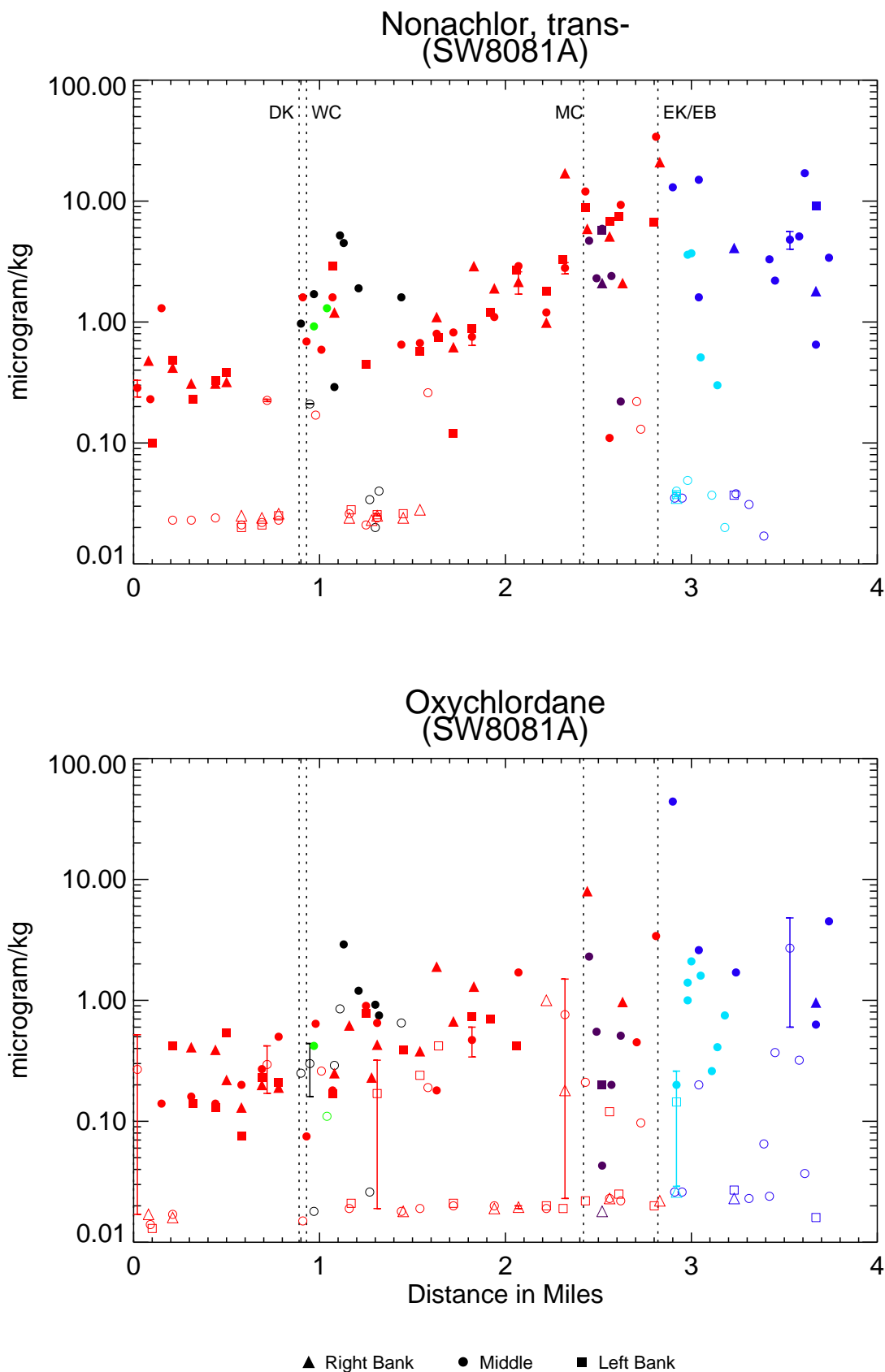
**Figure A4-134**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

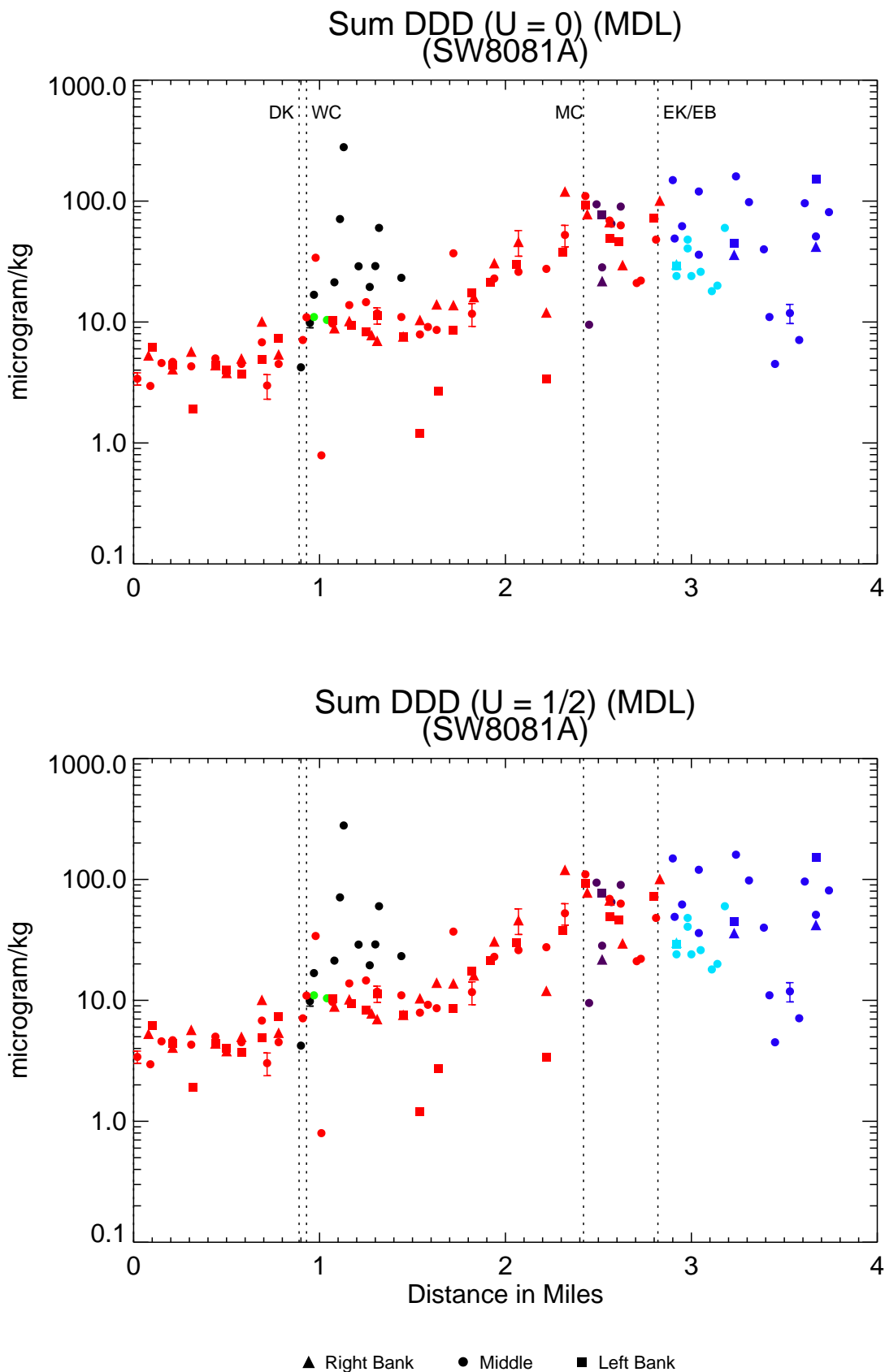
**Figure A4-135**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

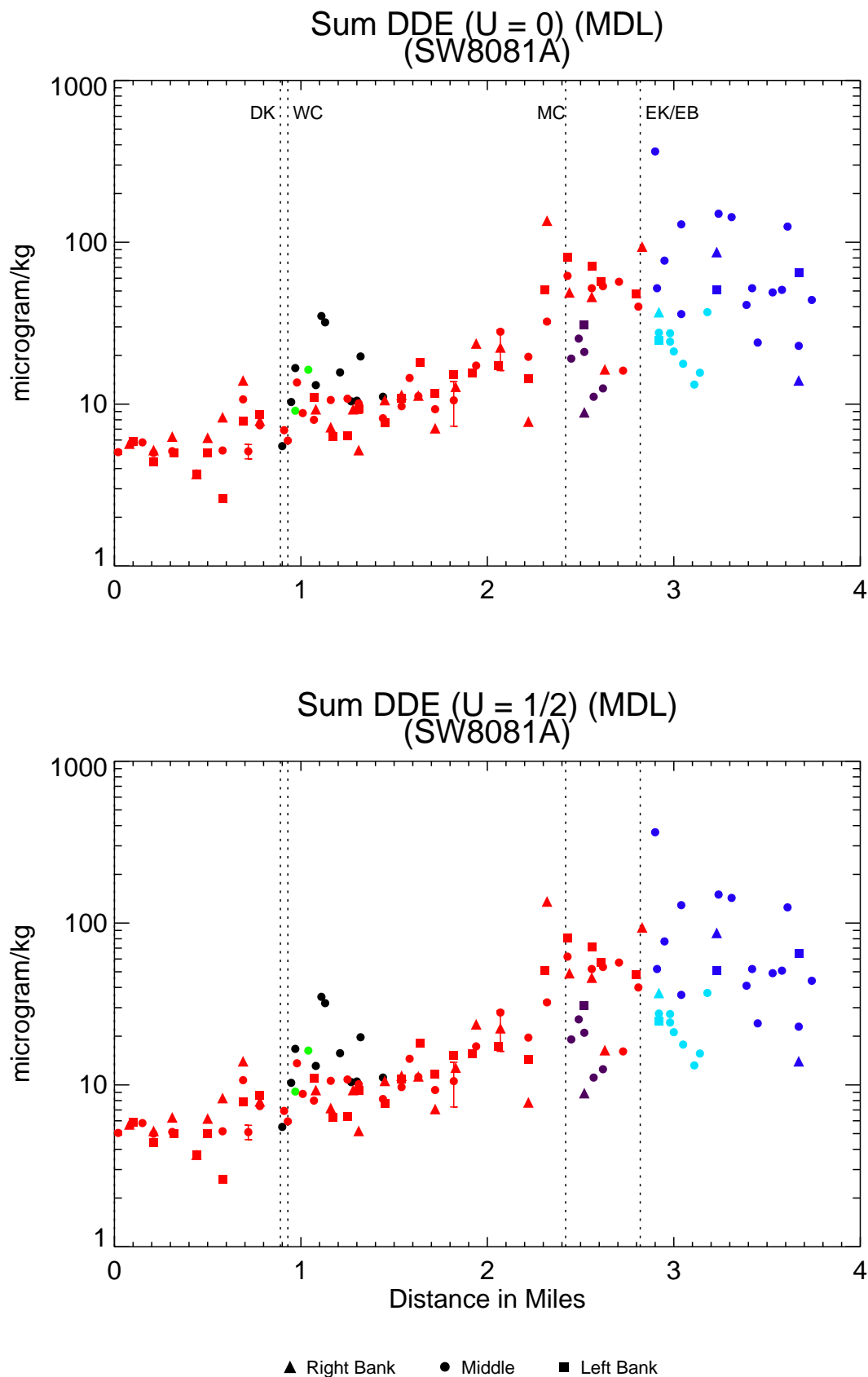
**Figure A4-136**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



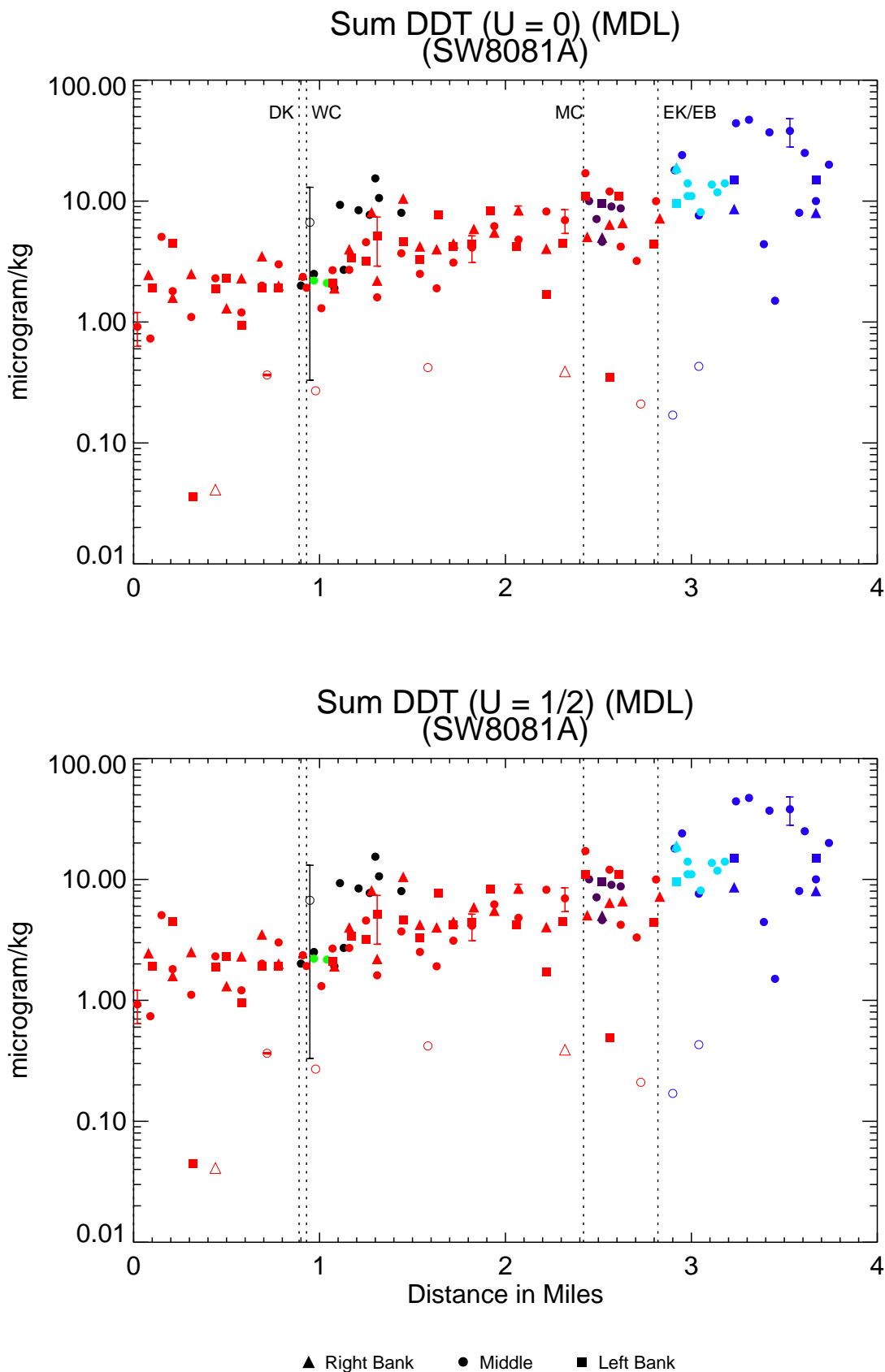
- Newtown Creek
- Dutch Kills (0.89 mi)
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-137
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

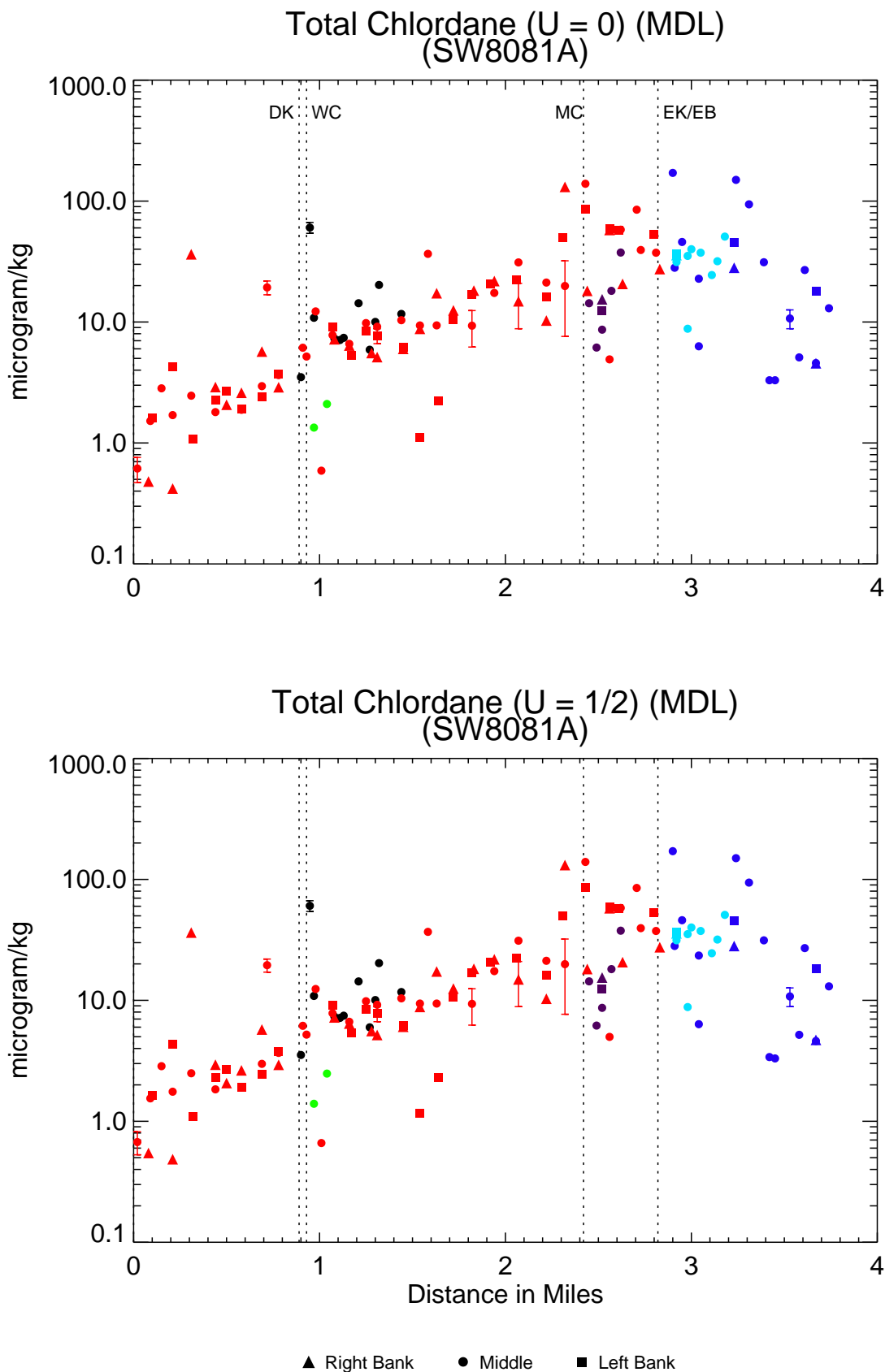
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

**Figure A4-138**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

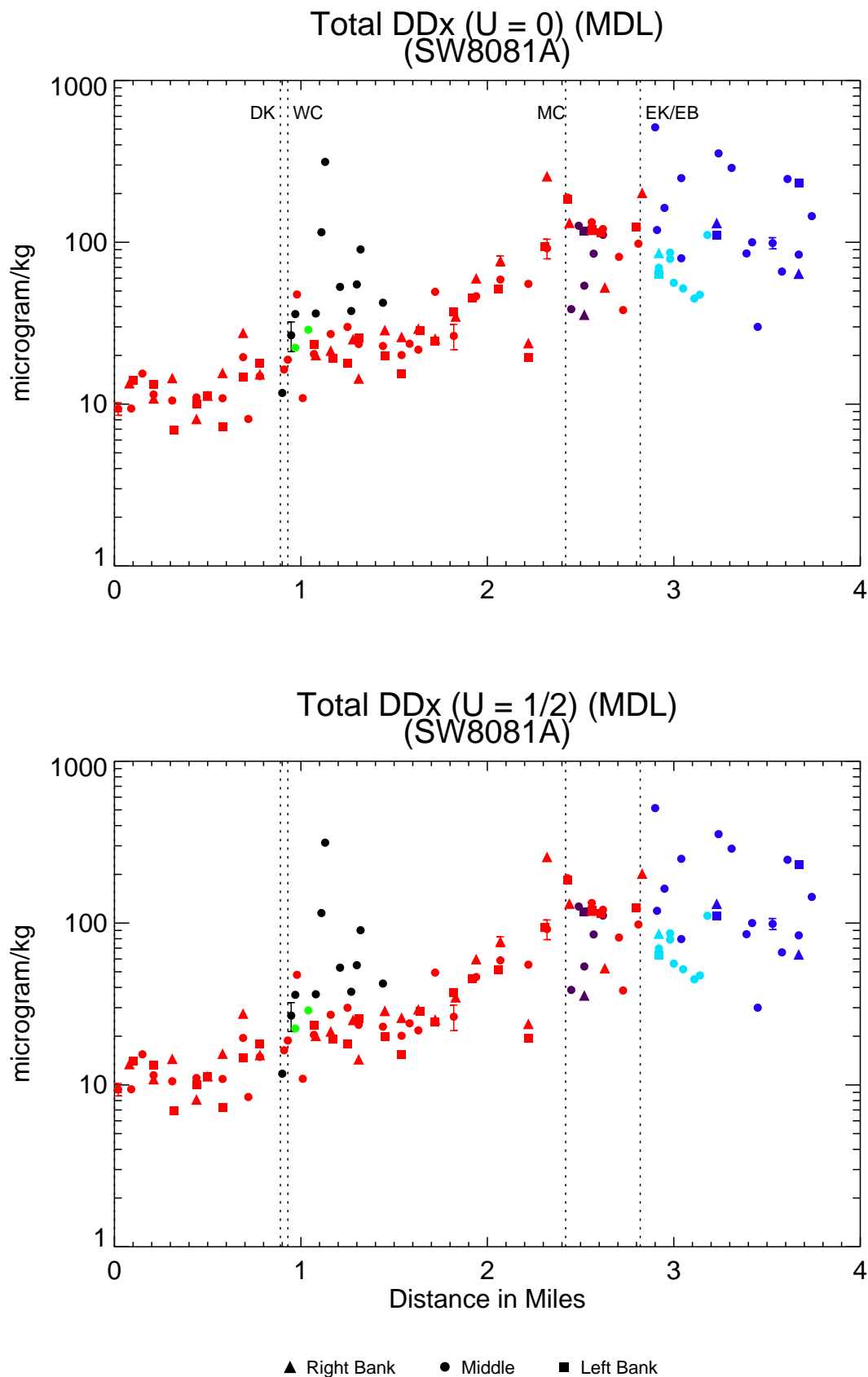
**Figure A4-139**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

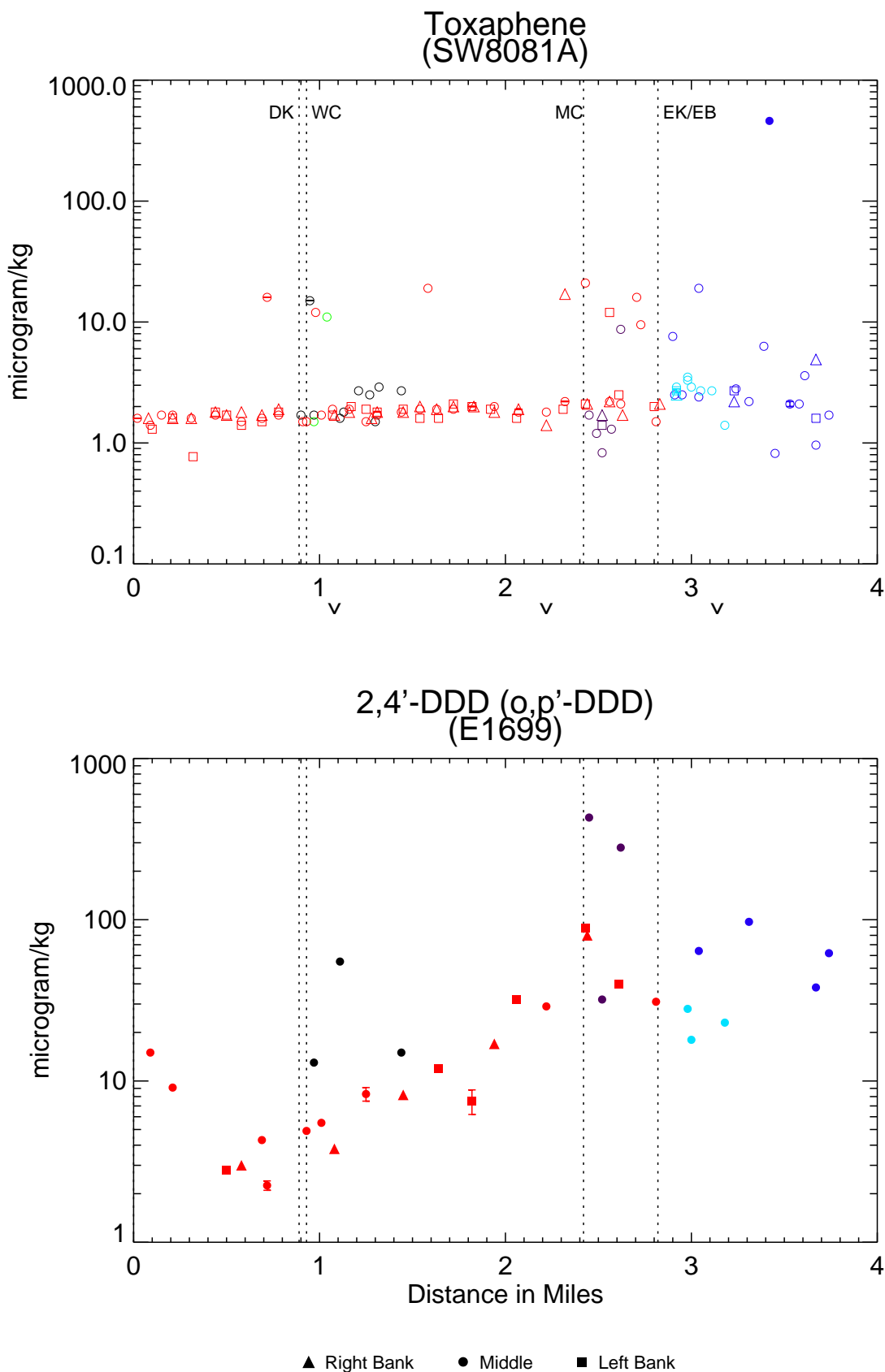
**Figure A4-140**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

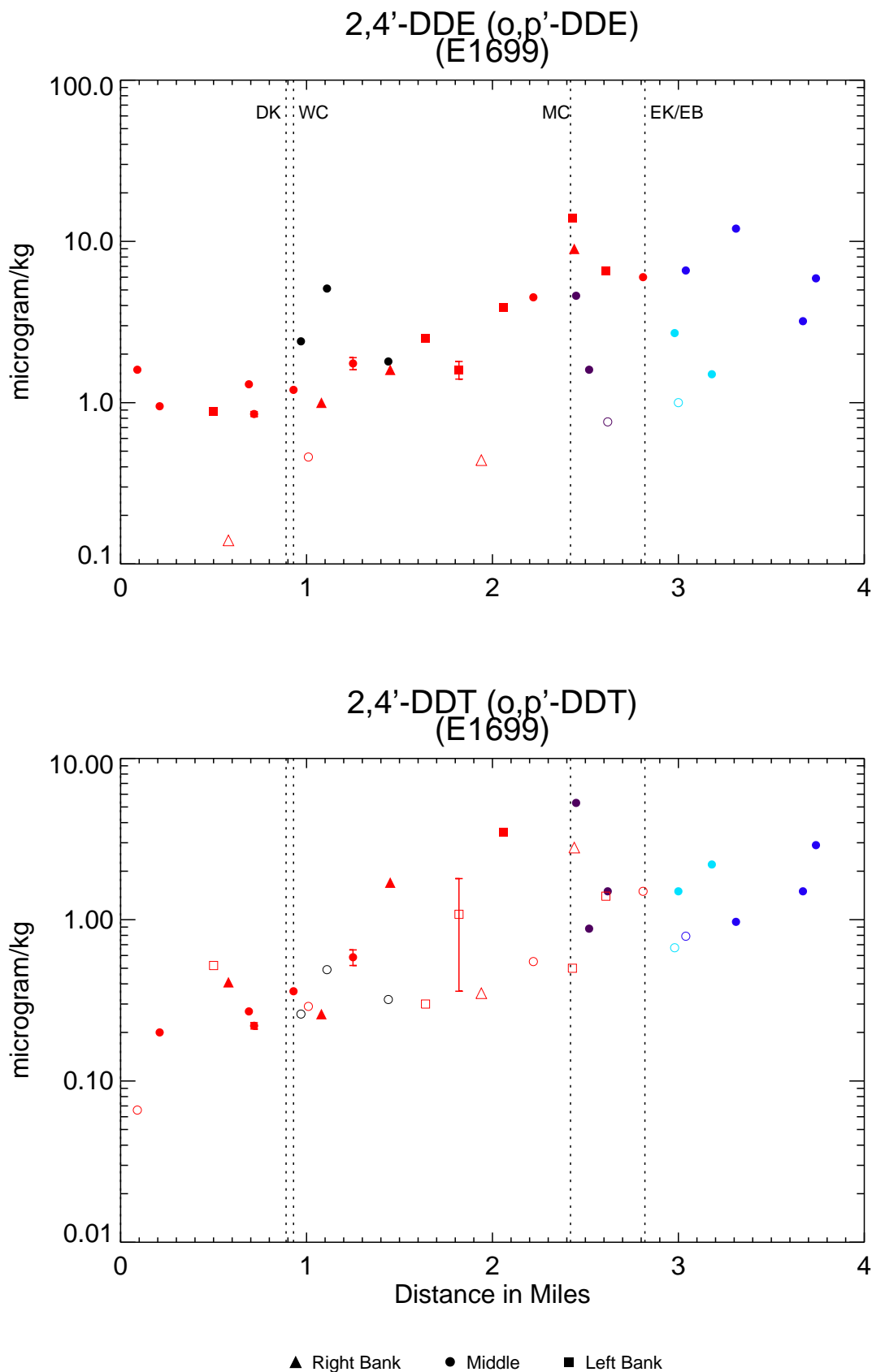
**Figure A4-141**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

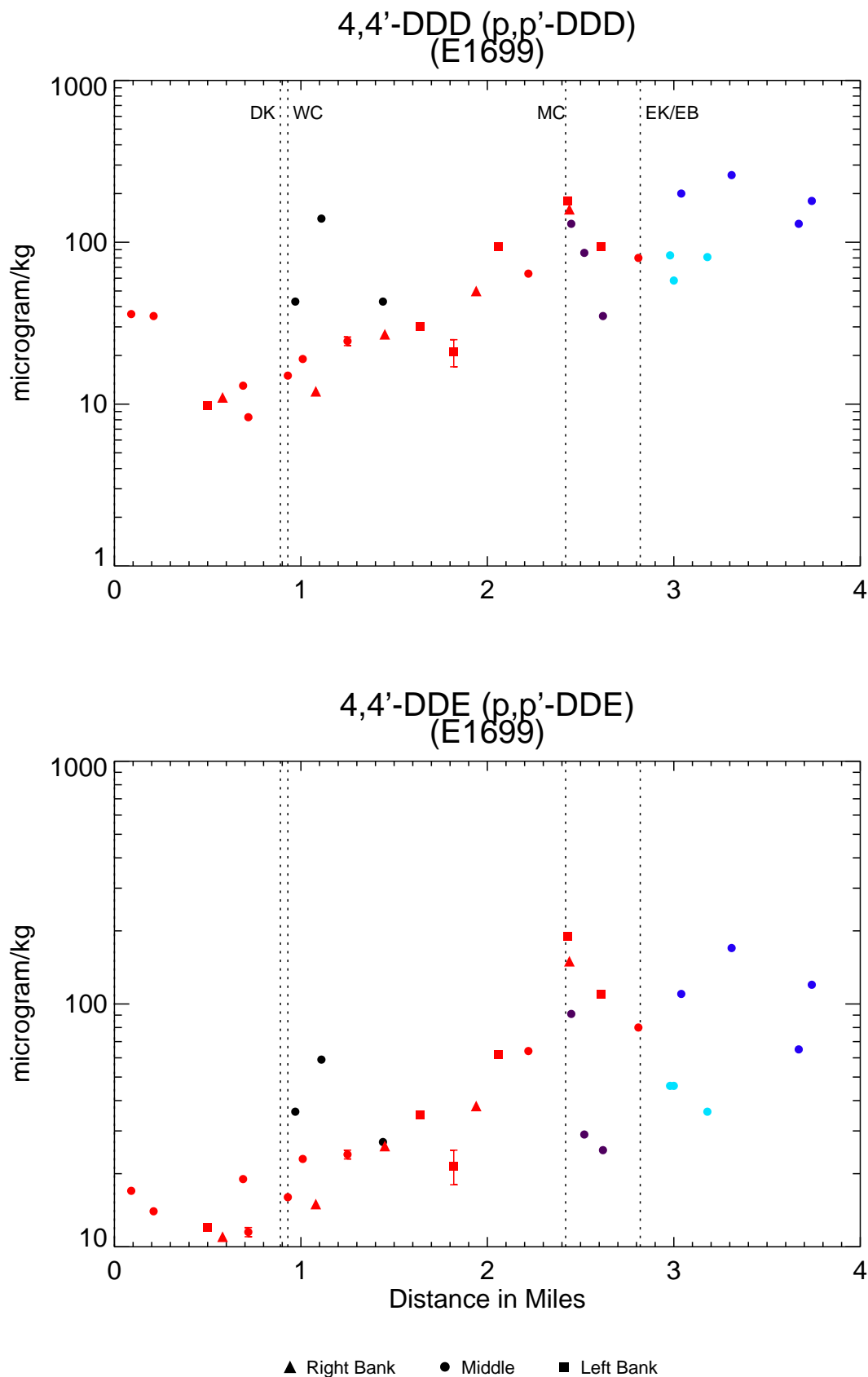
**Figure A4-142**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

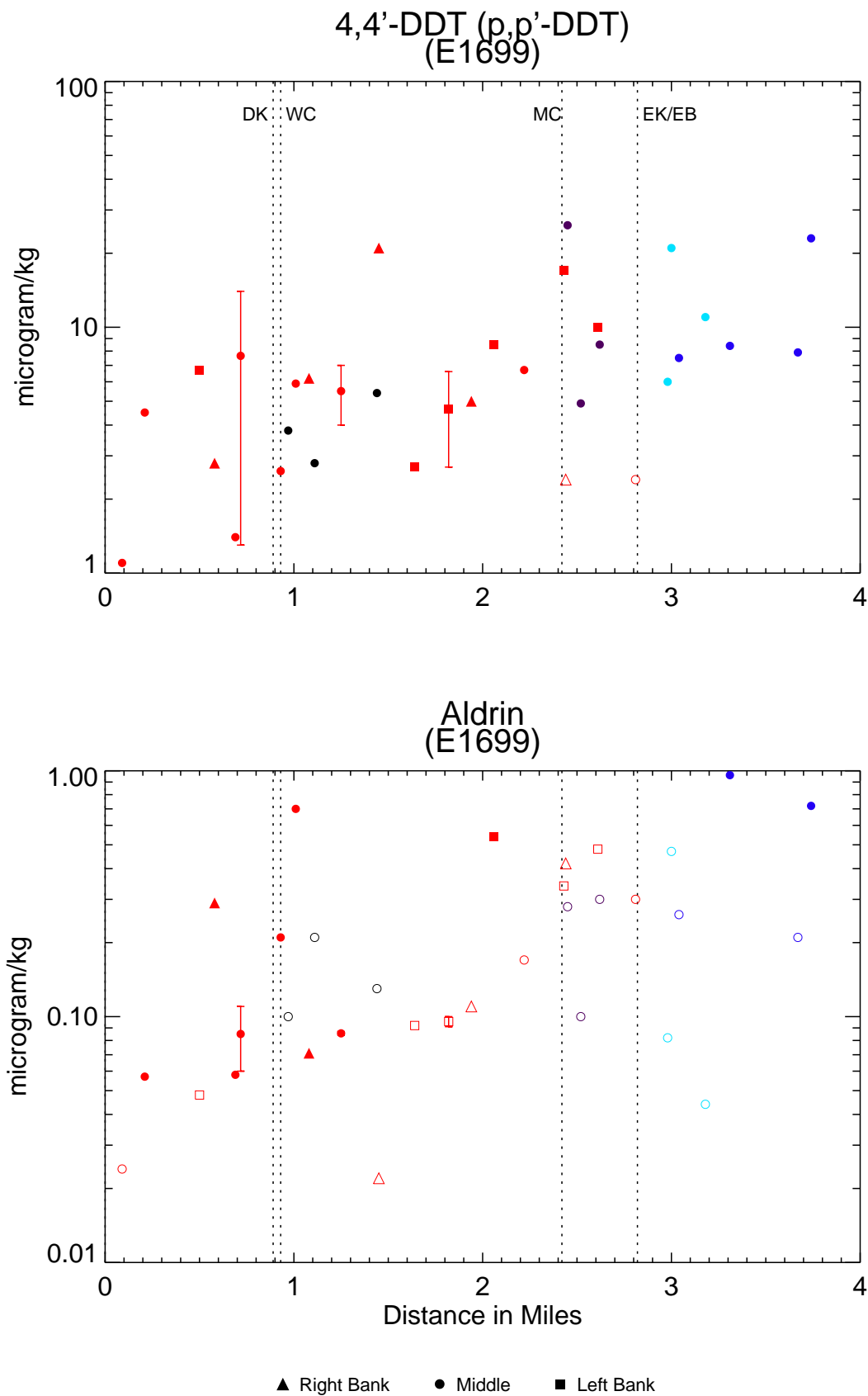
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-143
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

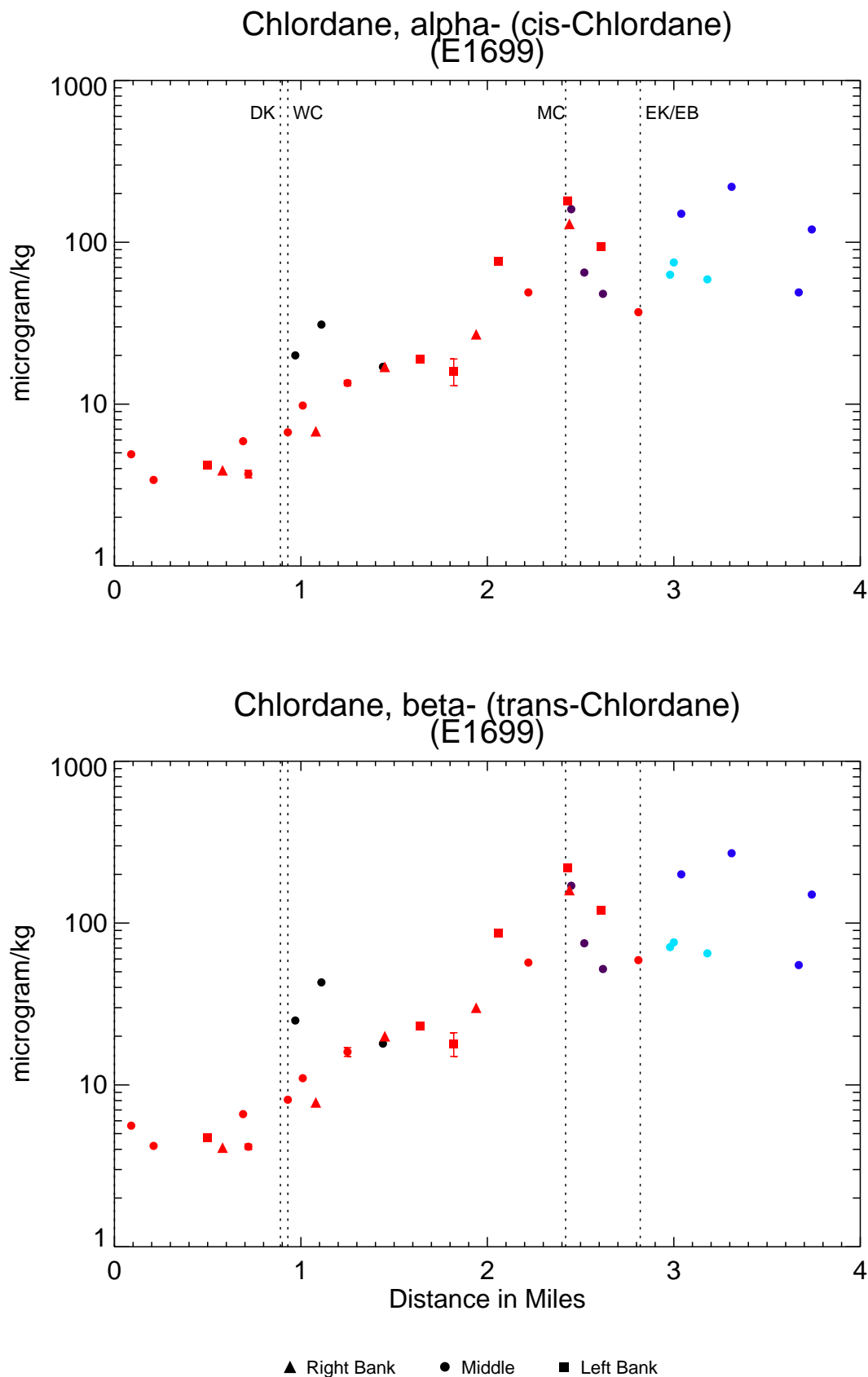
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-144
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

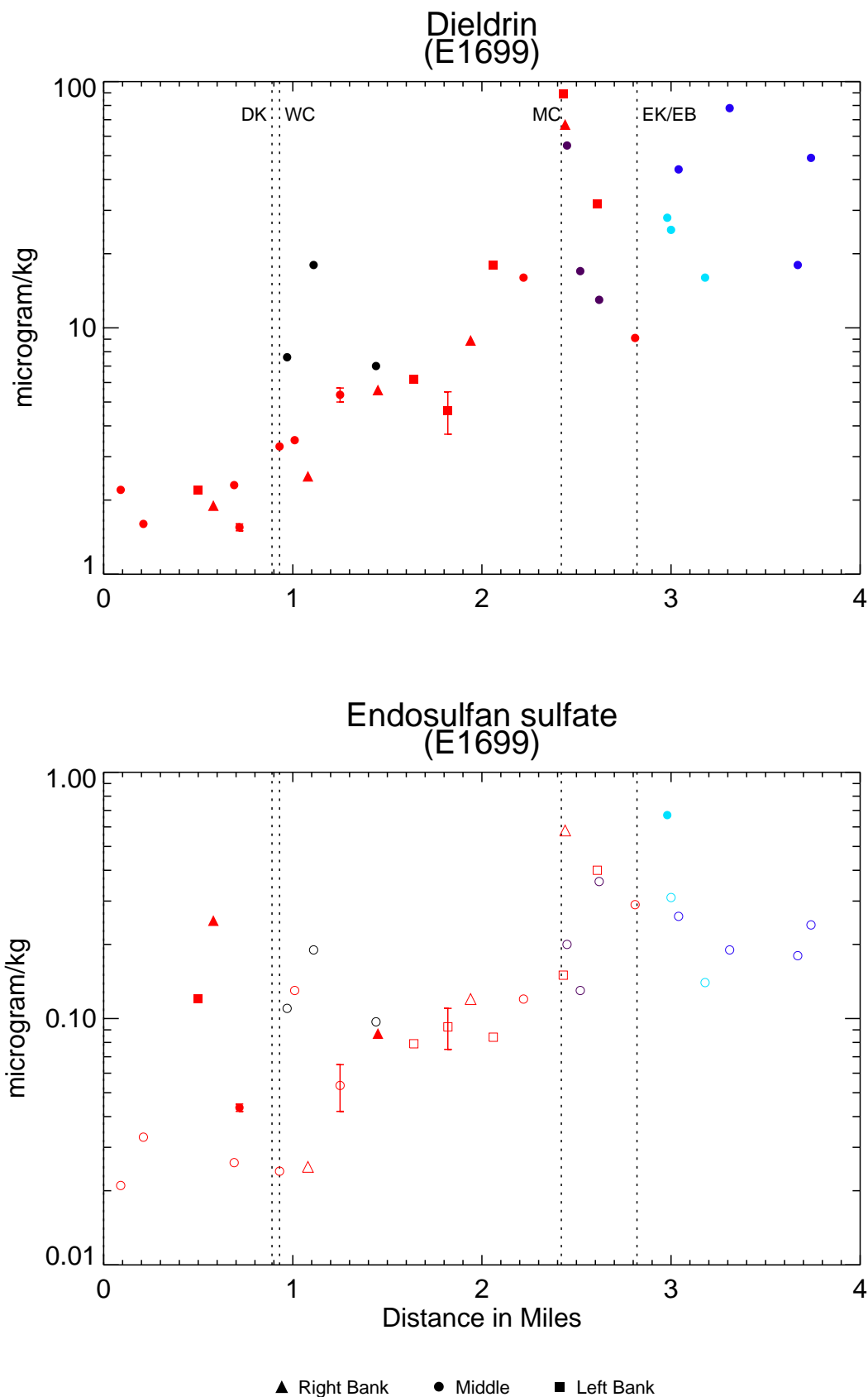
**Figure A4-145**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
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- English Kills (2.82 mi)
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Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

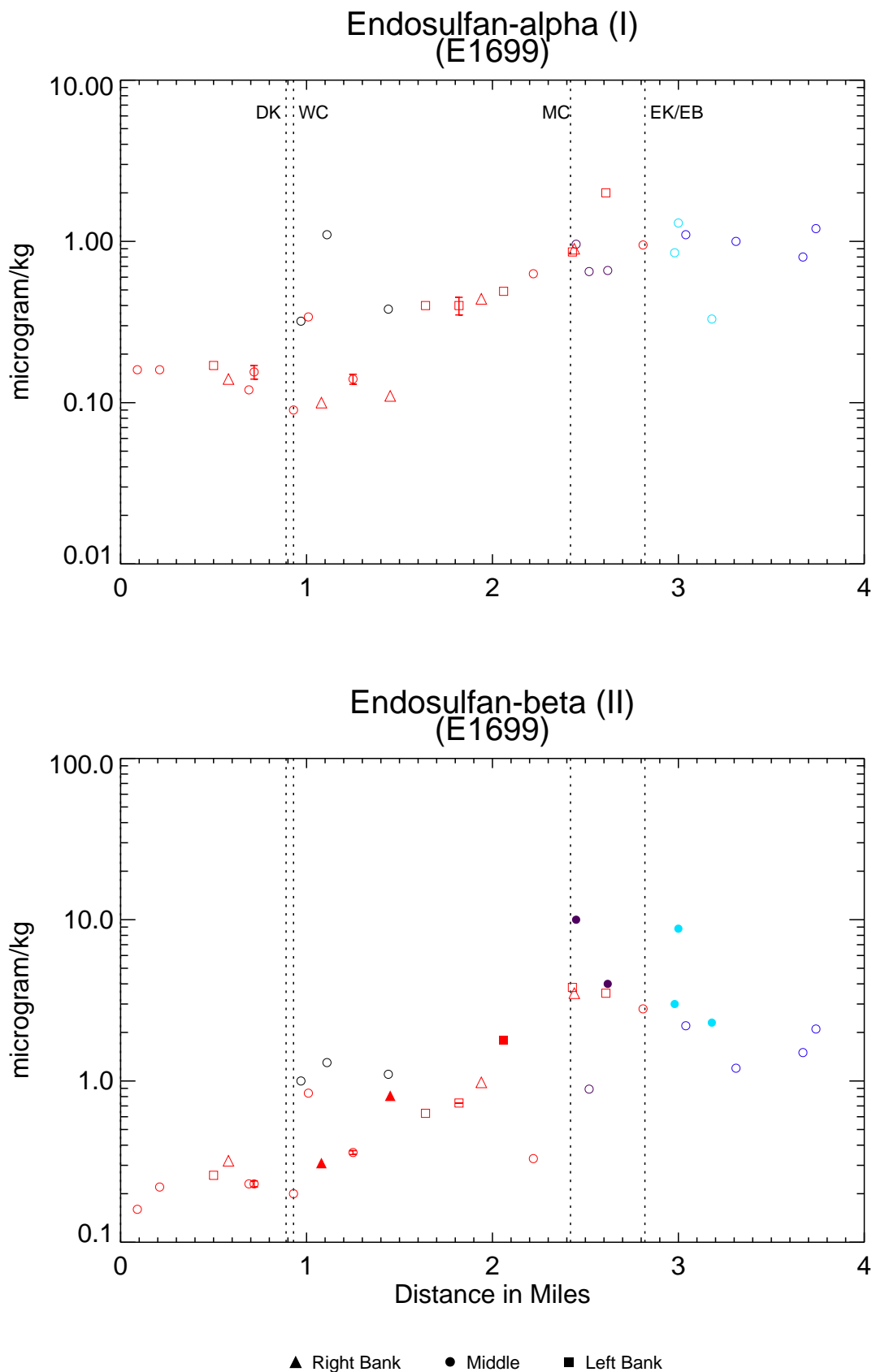
**Figure A4-146**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

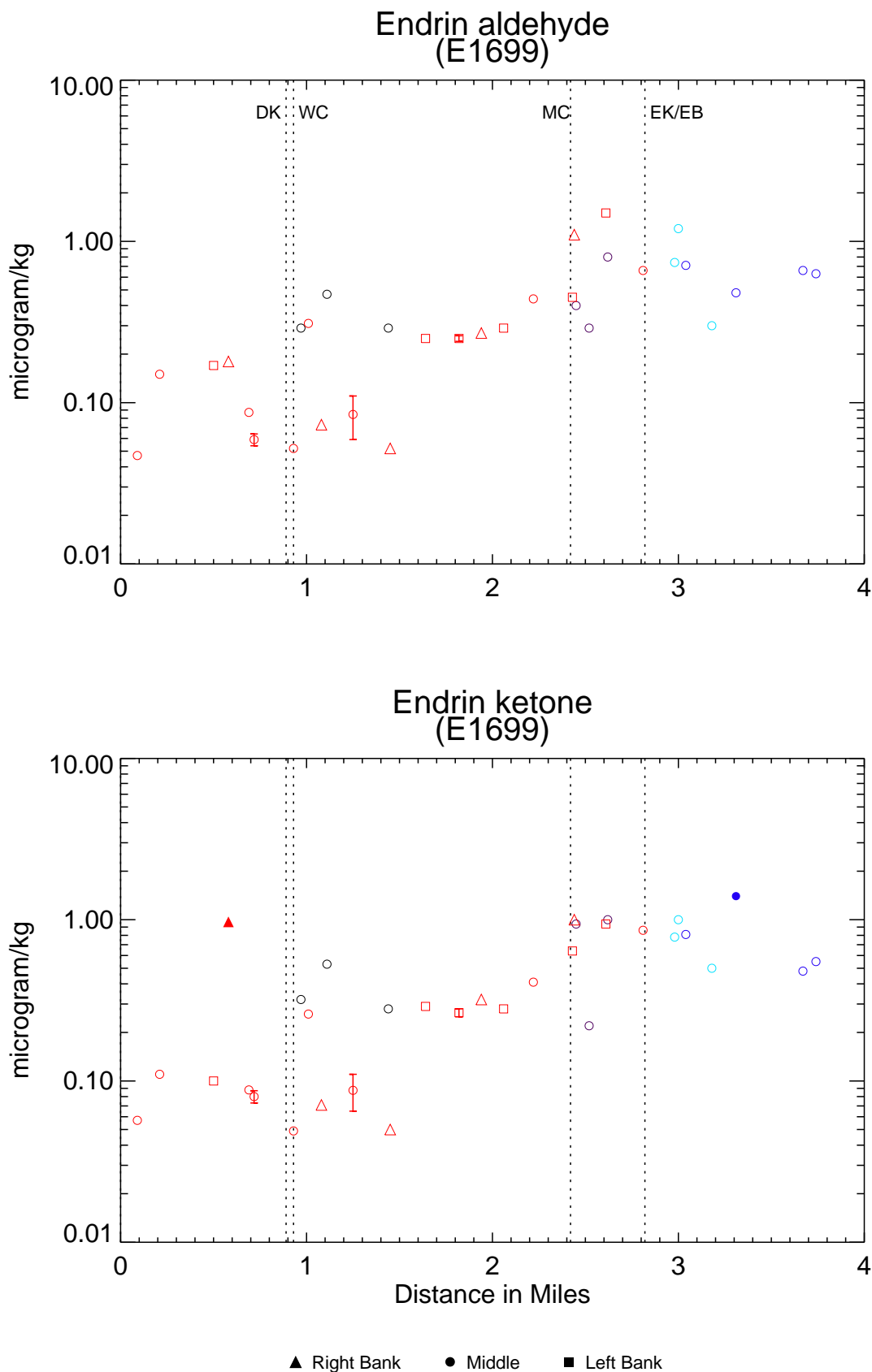
**Figure A4-147**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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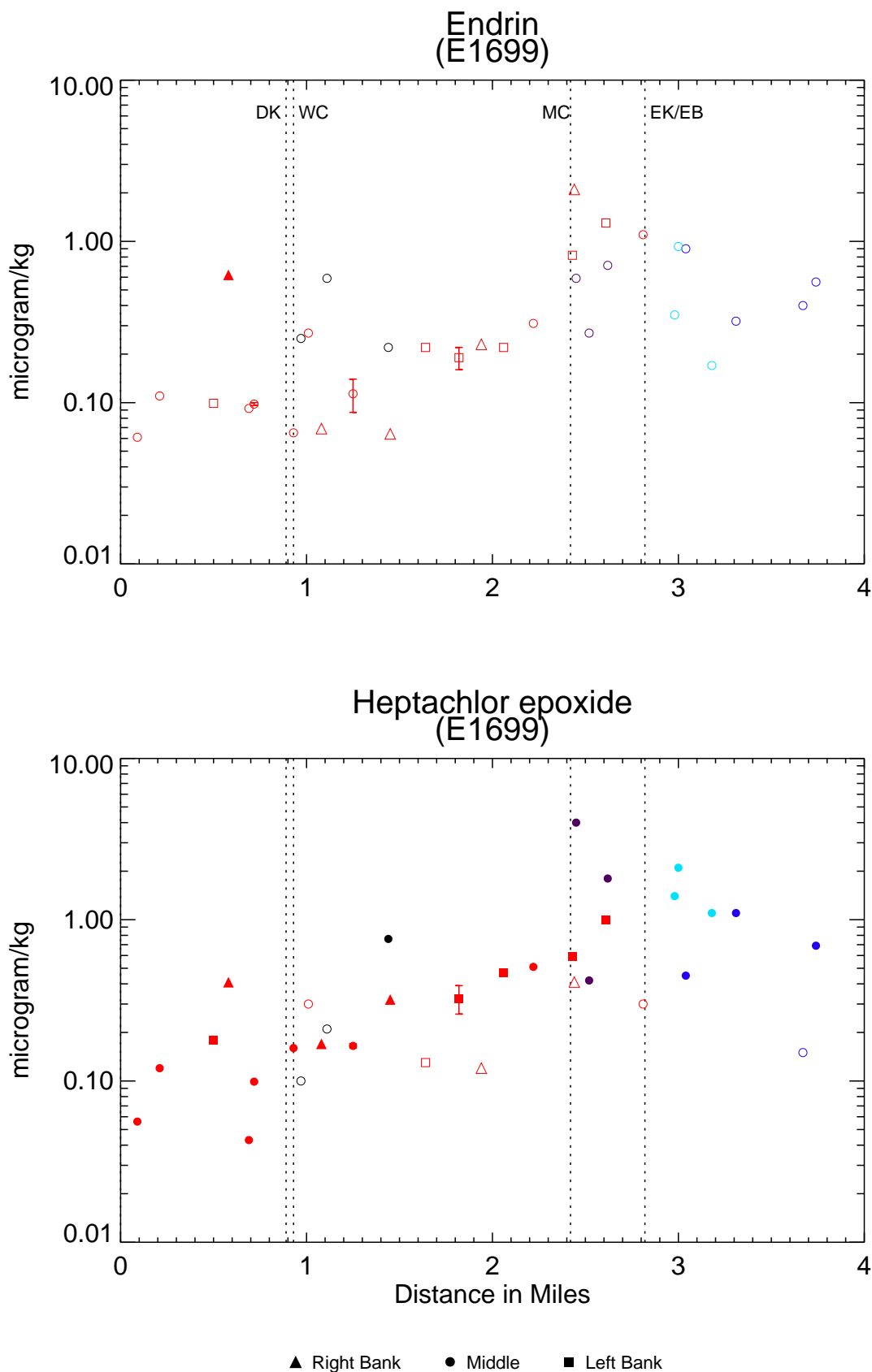
**Figure A4-148**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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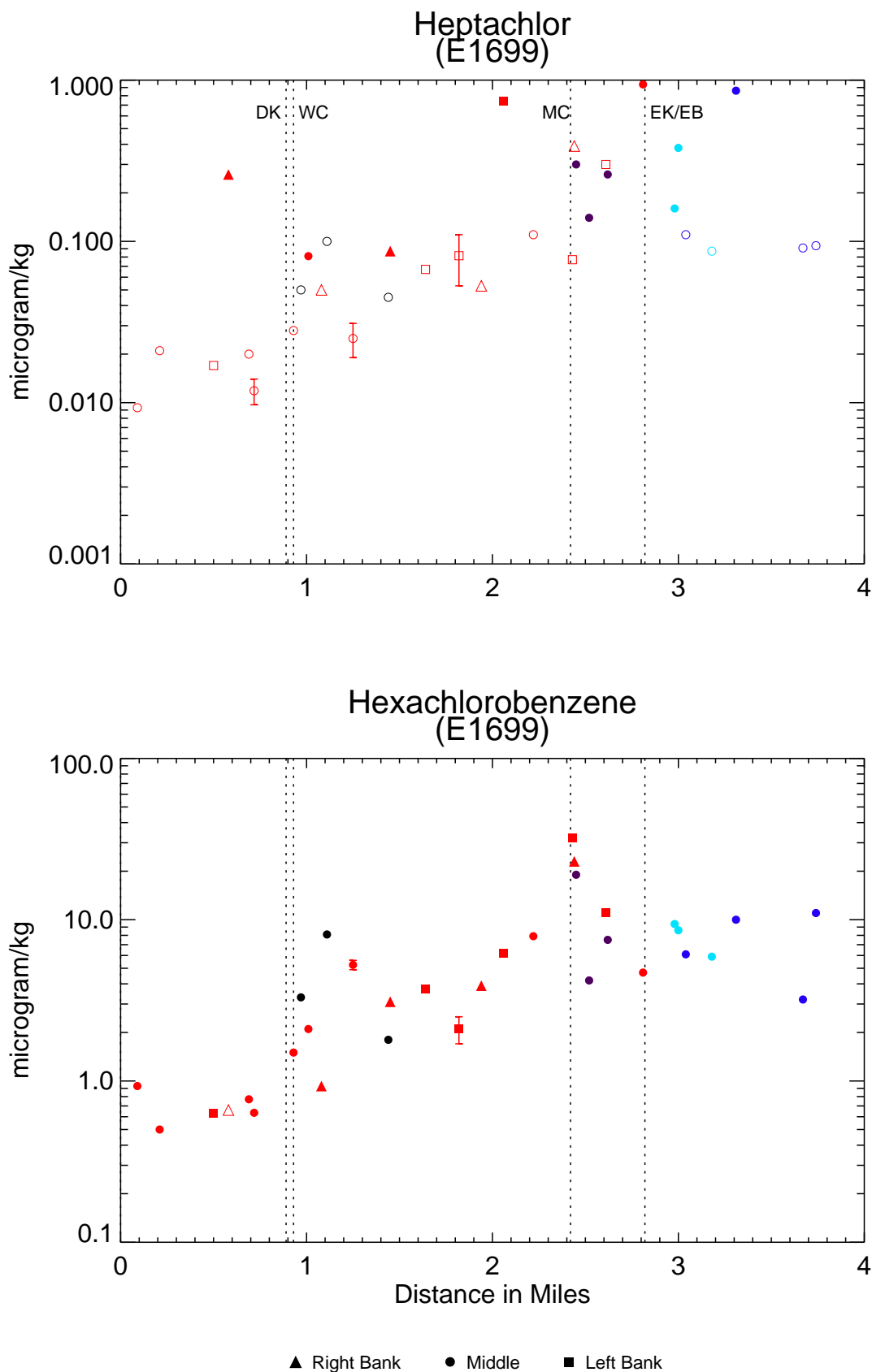
**Figure A4-149**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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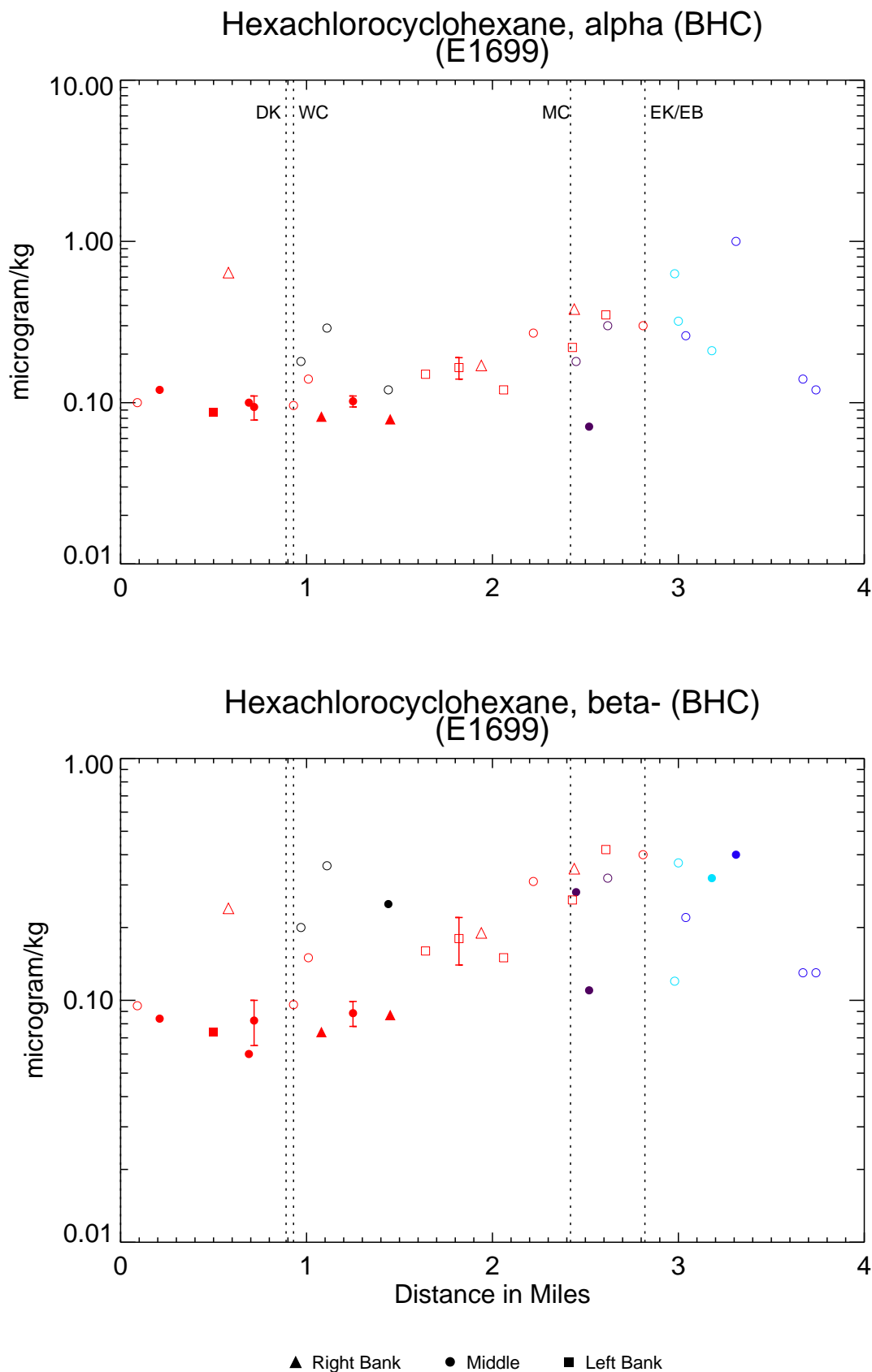
**Figure A4-150**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

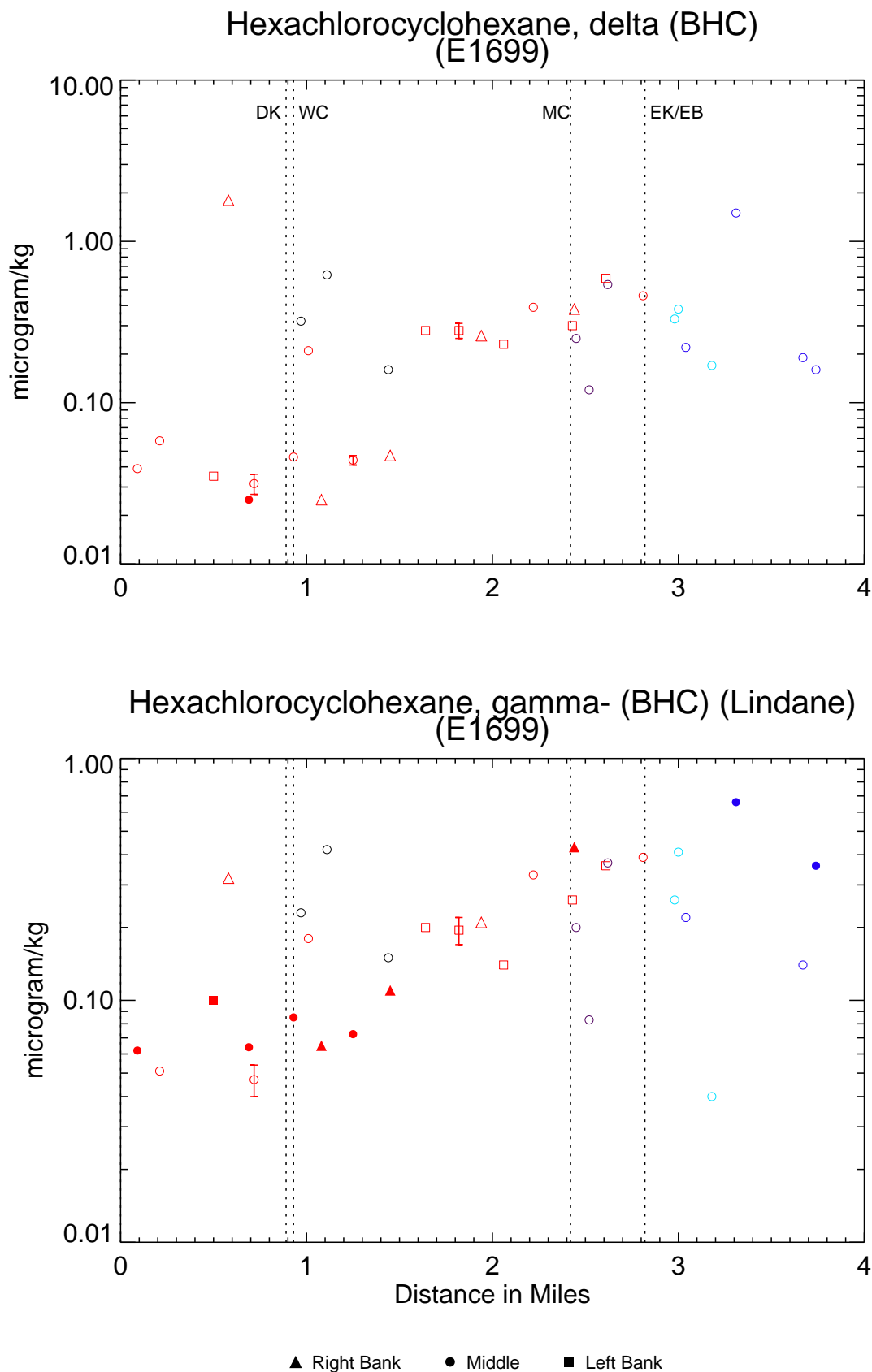
**Figure A4-151**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

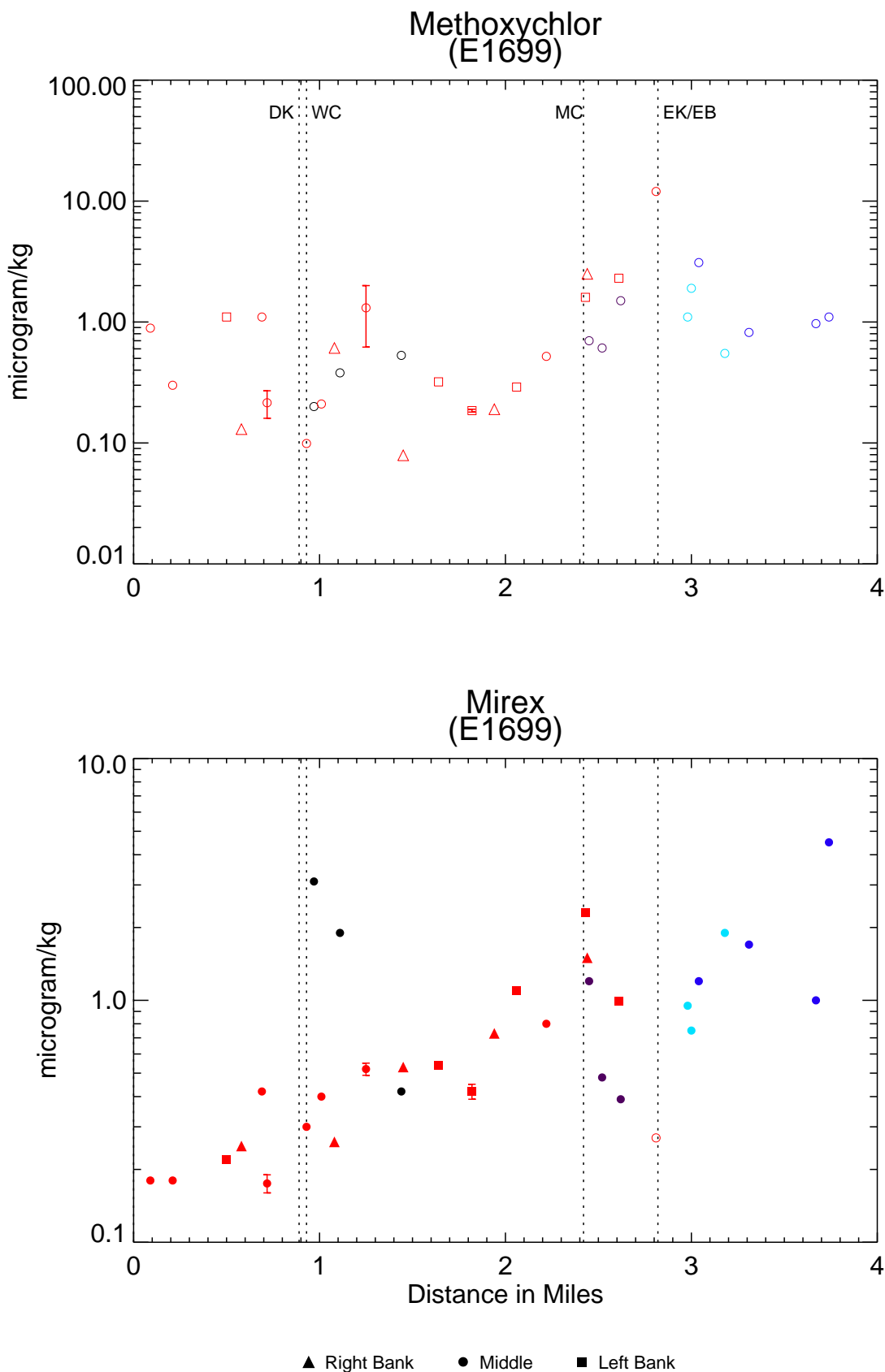
**Figure A4-152**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

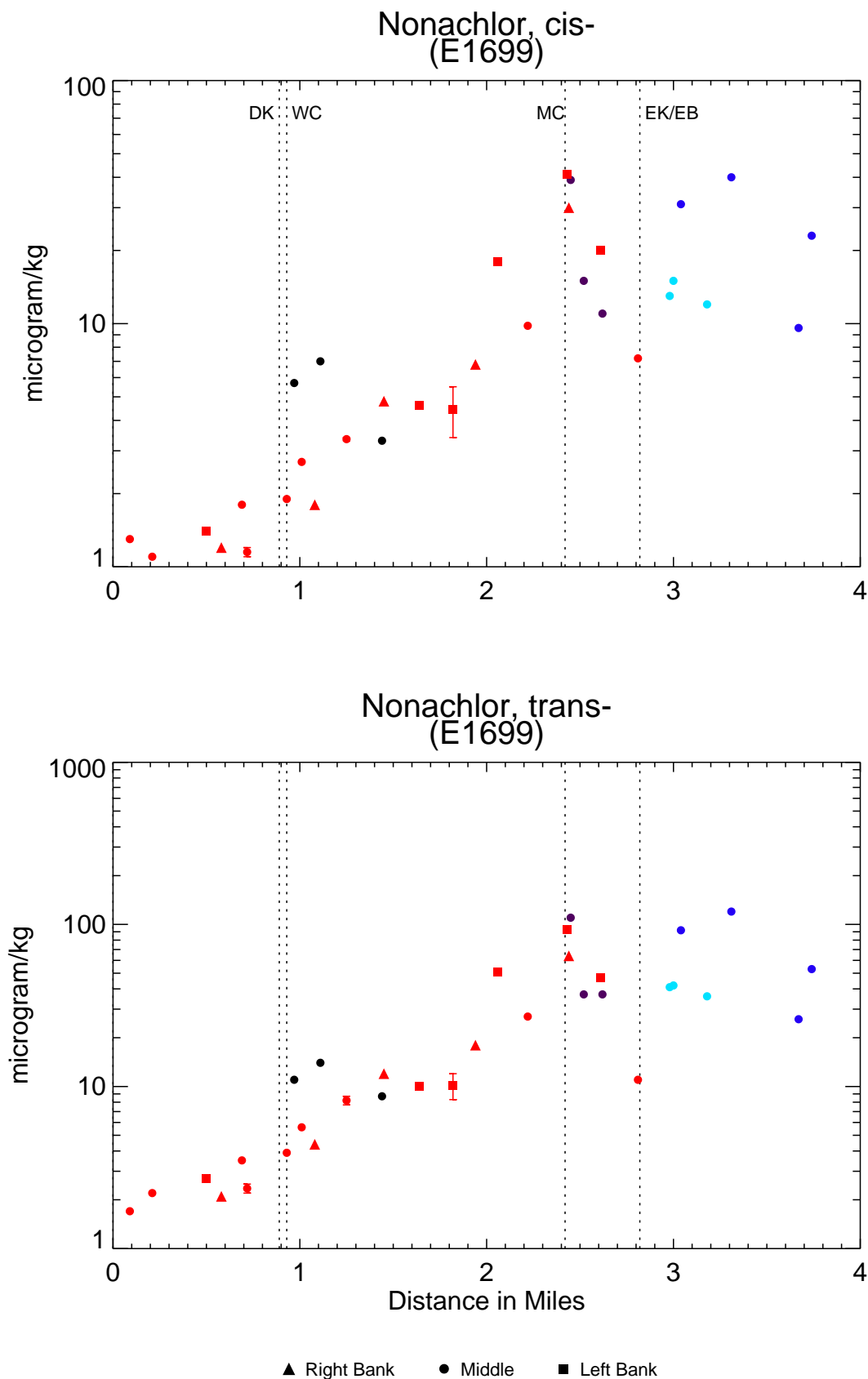
**Figure A4-153**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

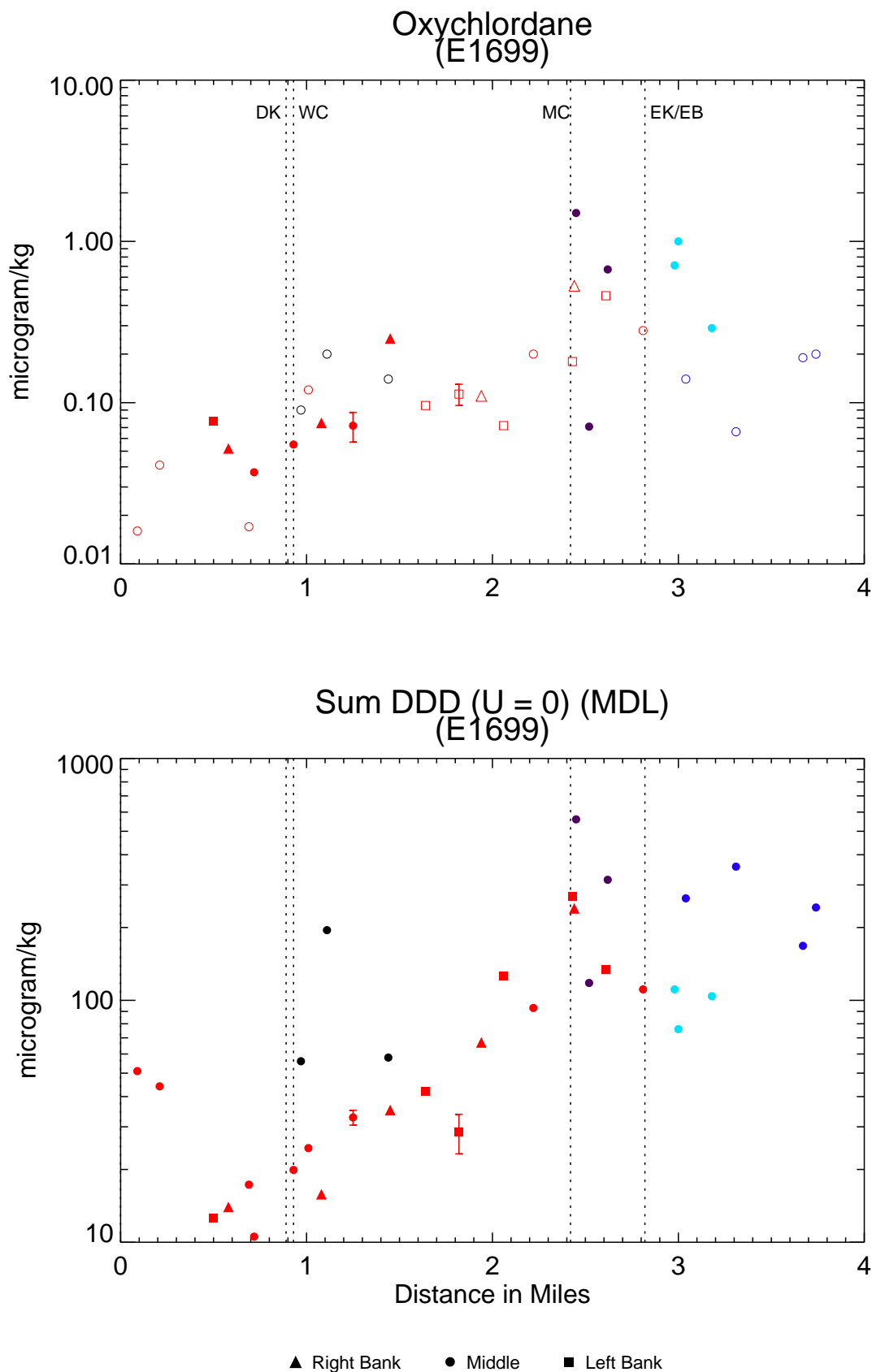
**Figure A4-154**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

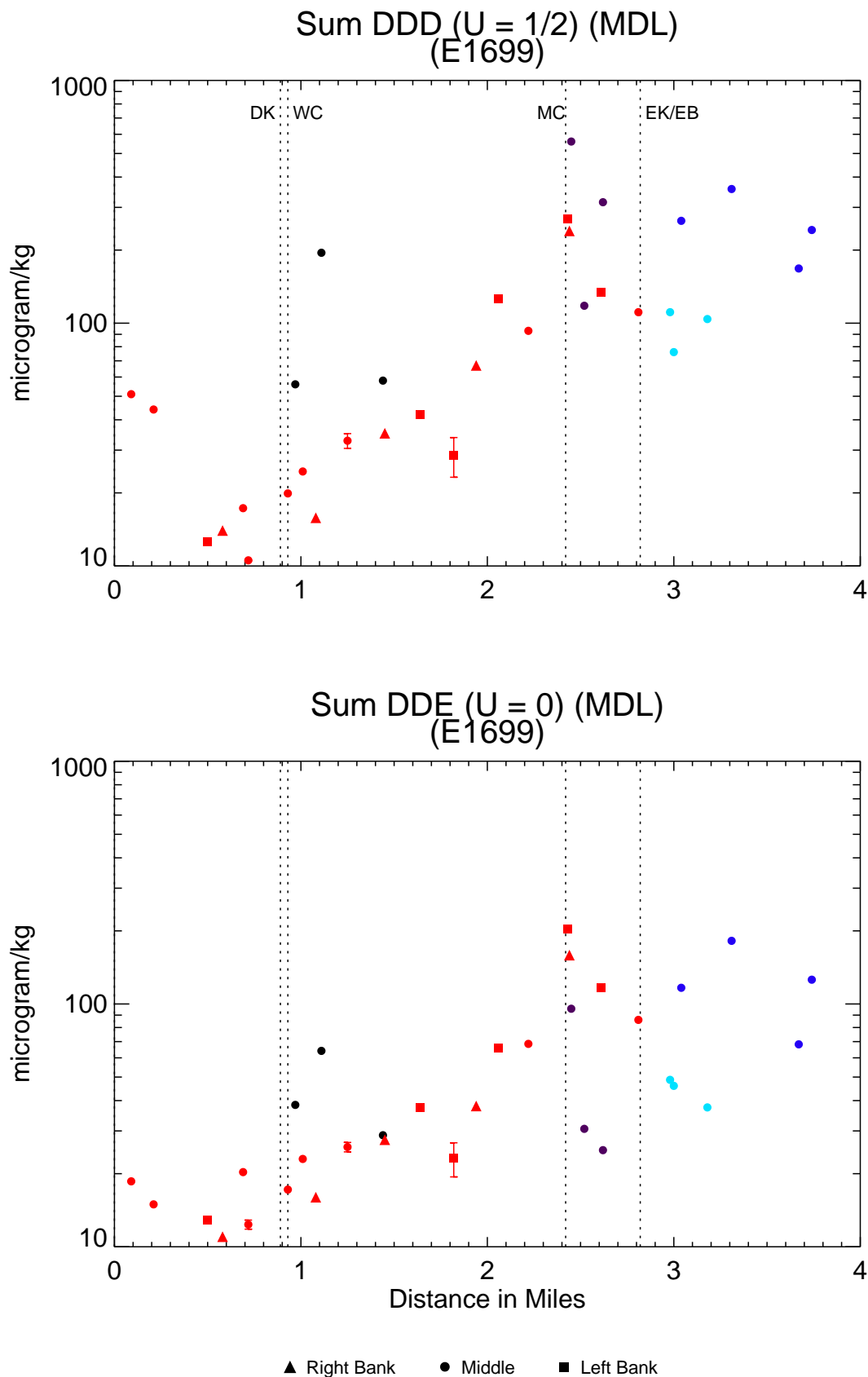
**Figure A4-155**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

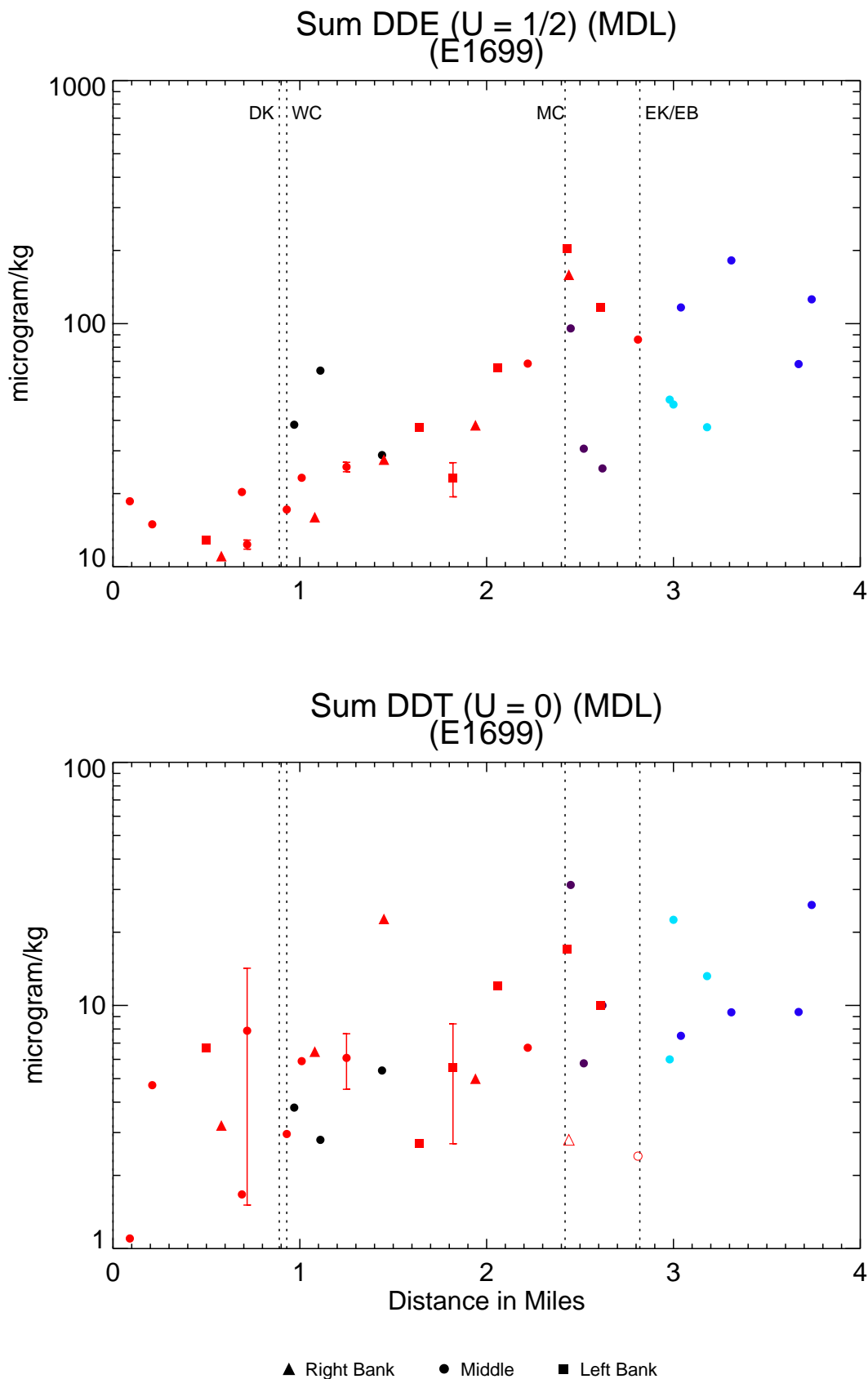
**Figure A4-156**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



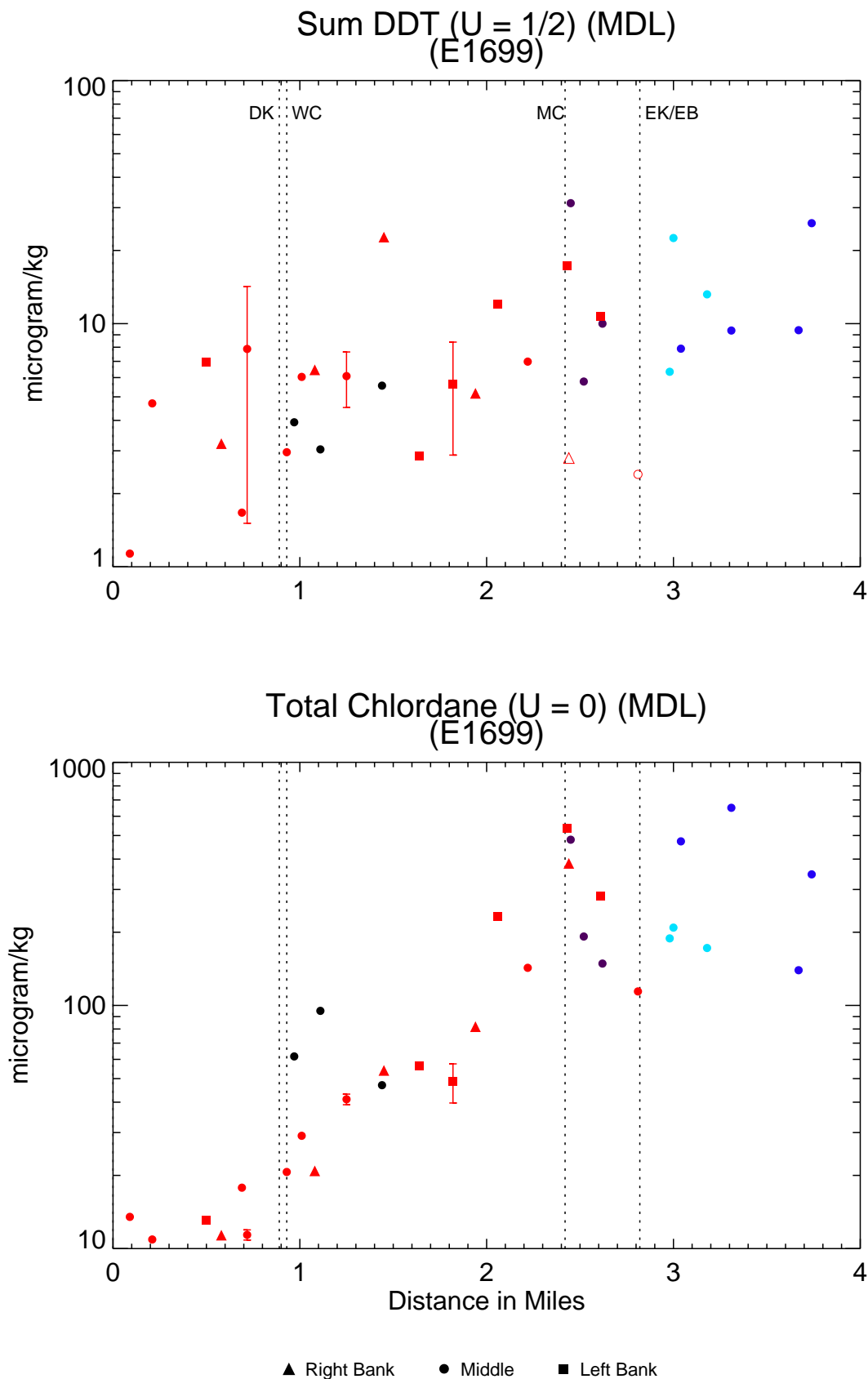
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-157
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

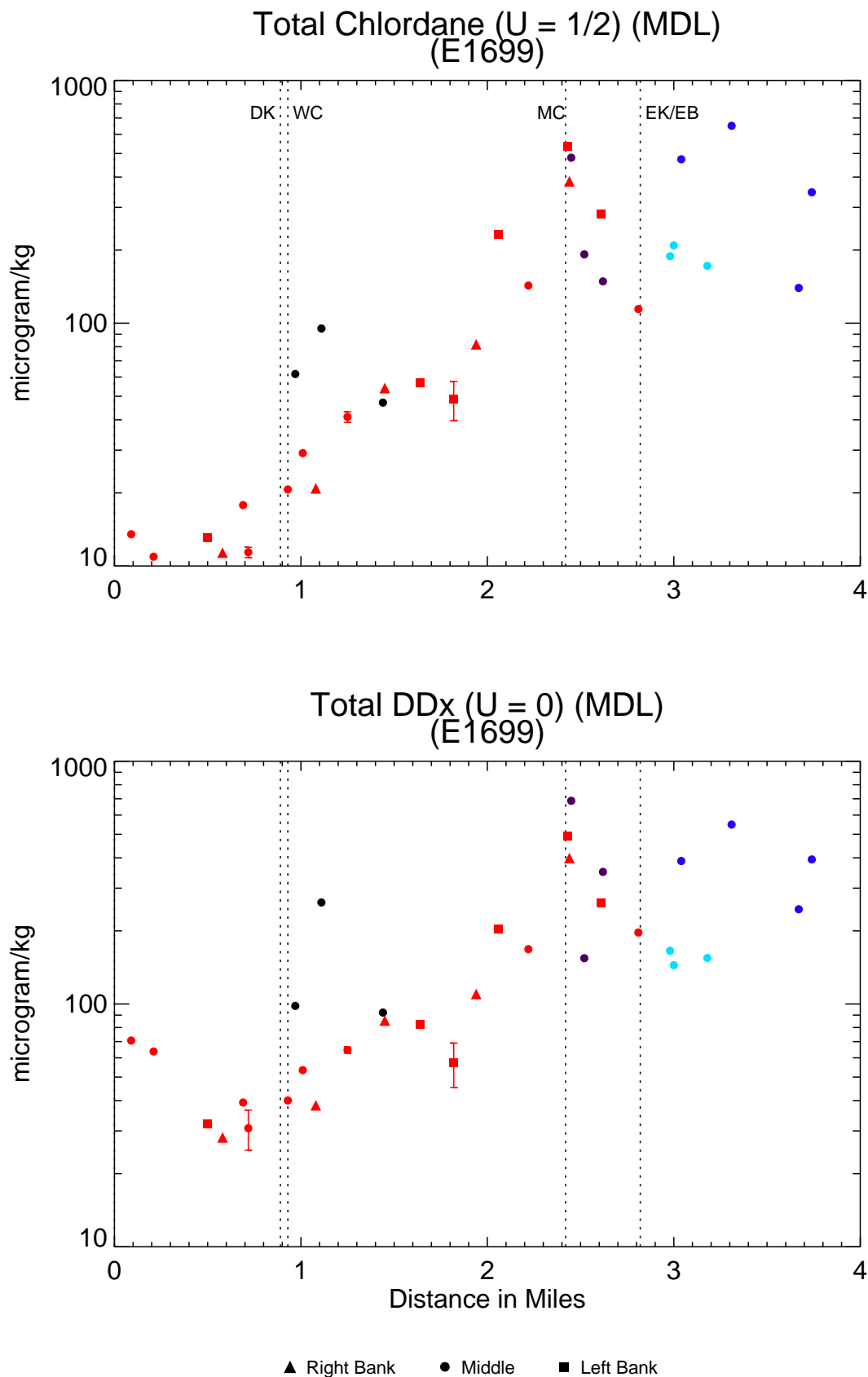
**Figure A4-158**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

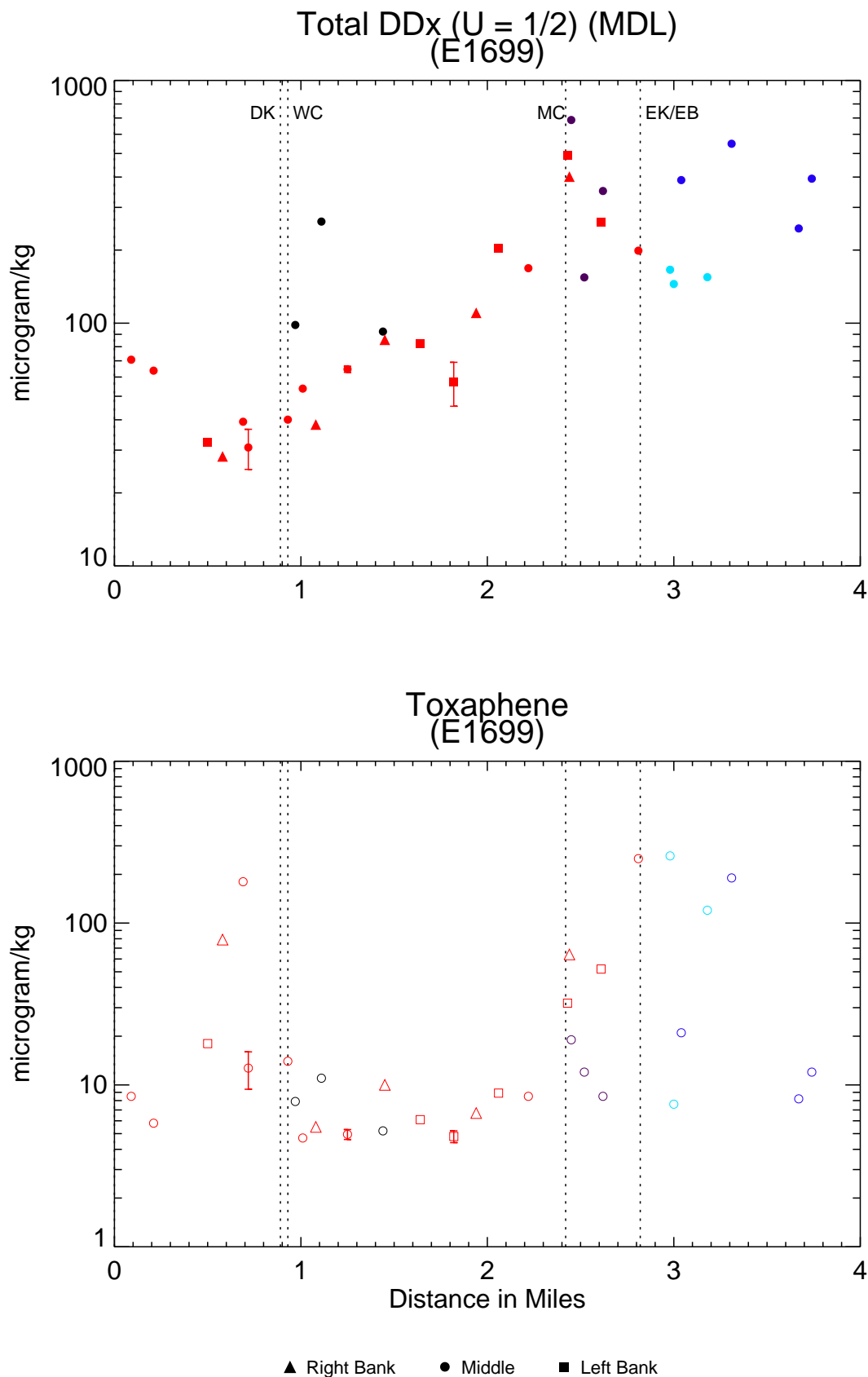
**Figure A4-159**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

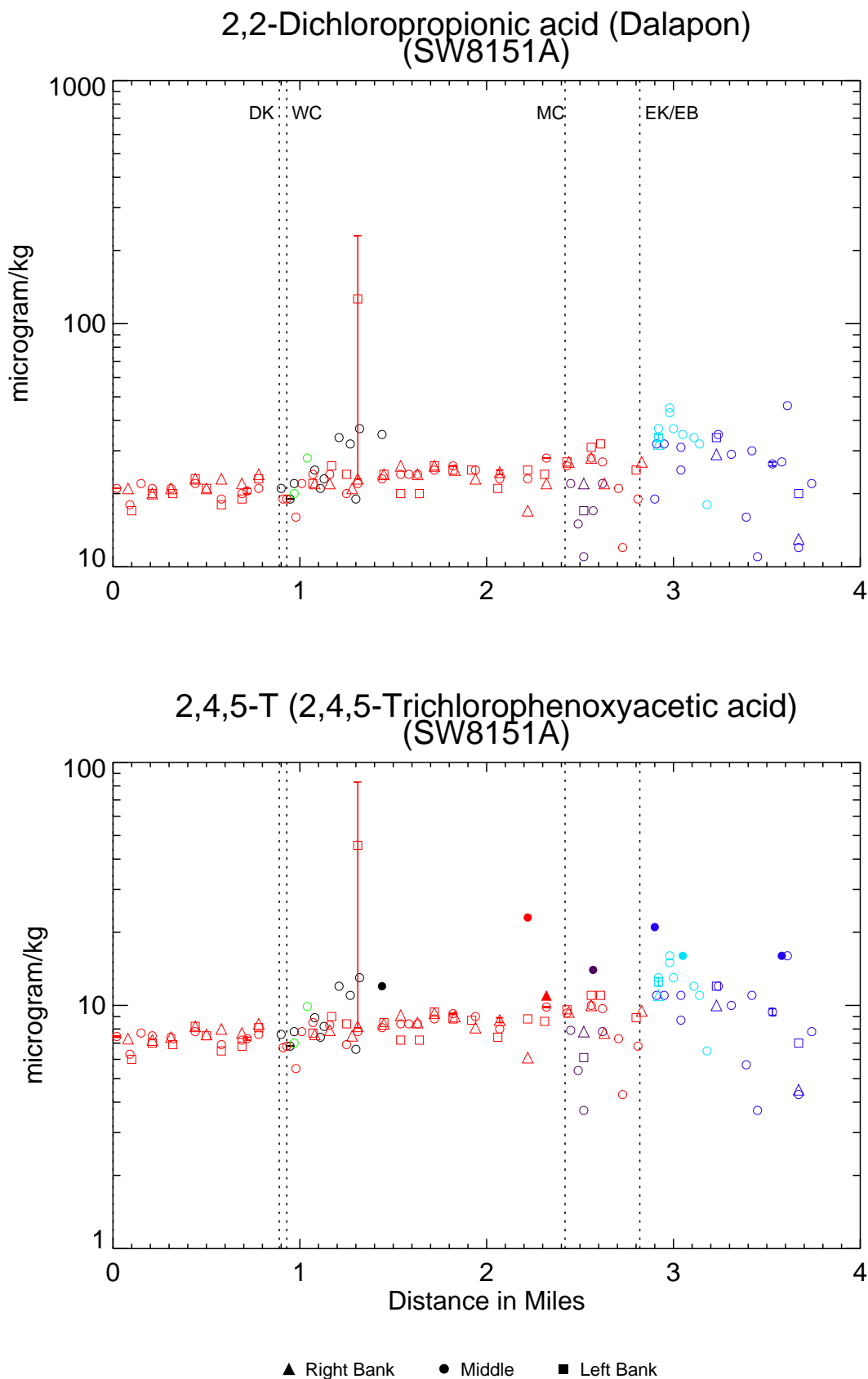
**Figure A4-160**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

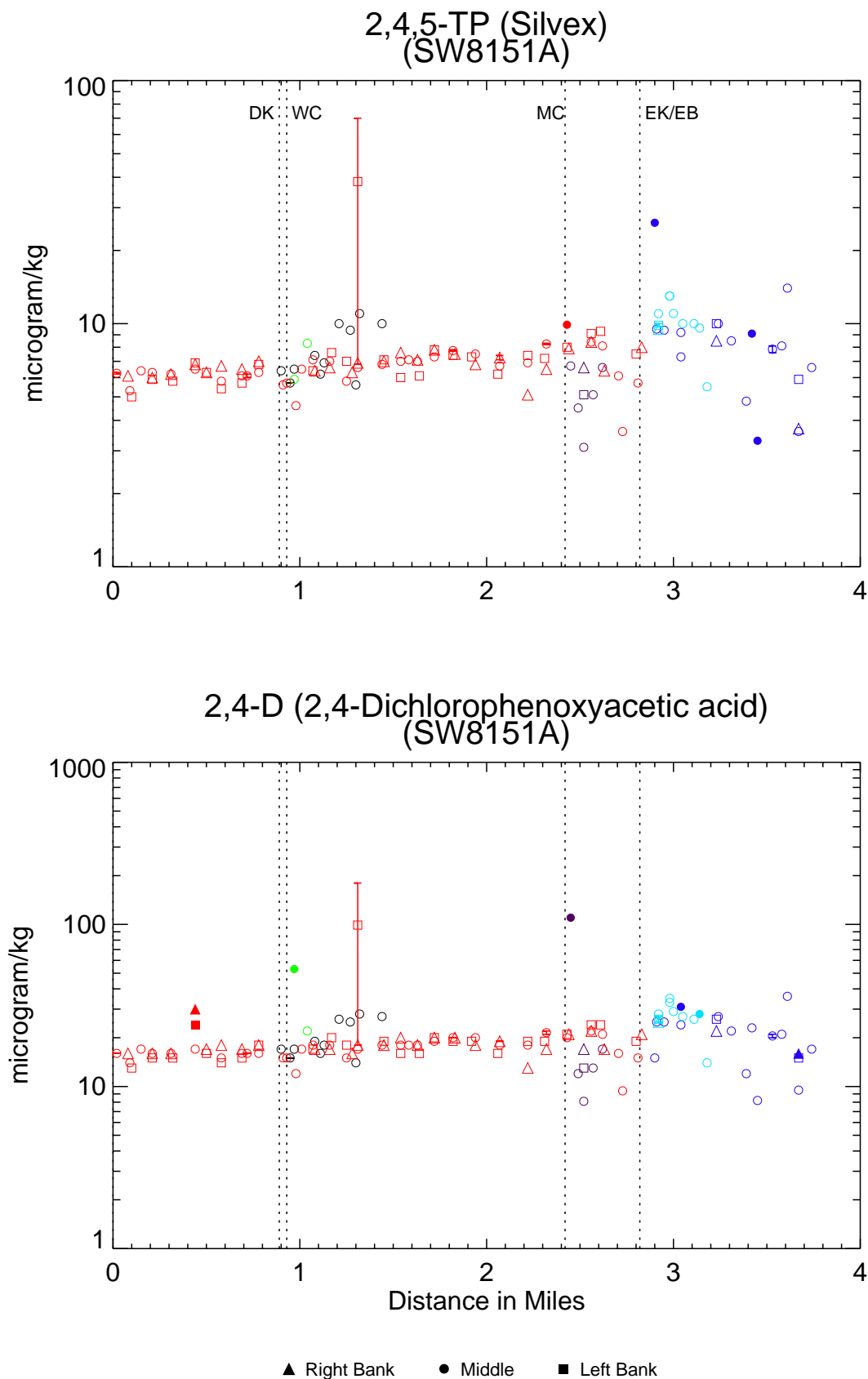
**Figure A4-161**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

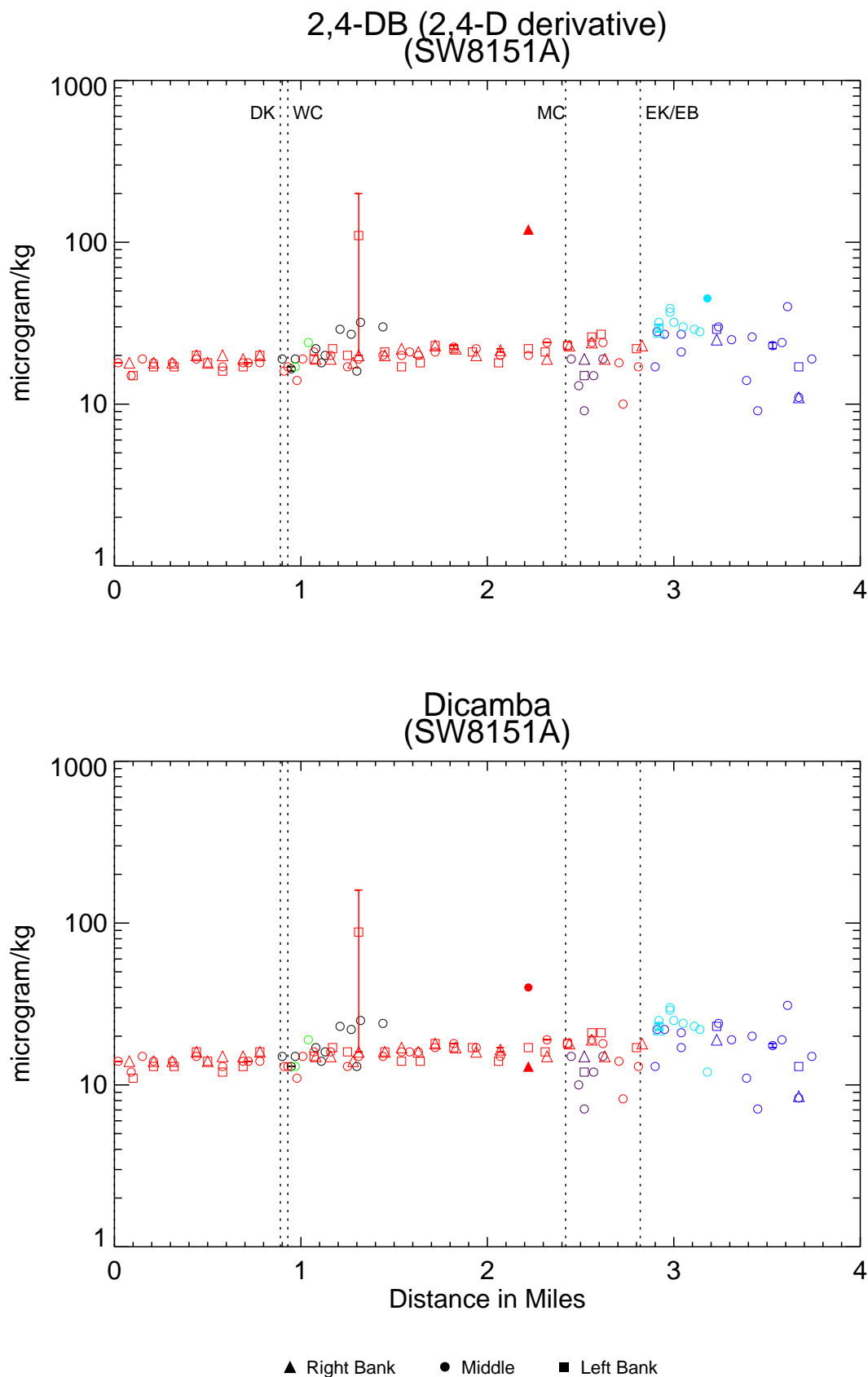
**Figure A4-162**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

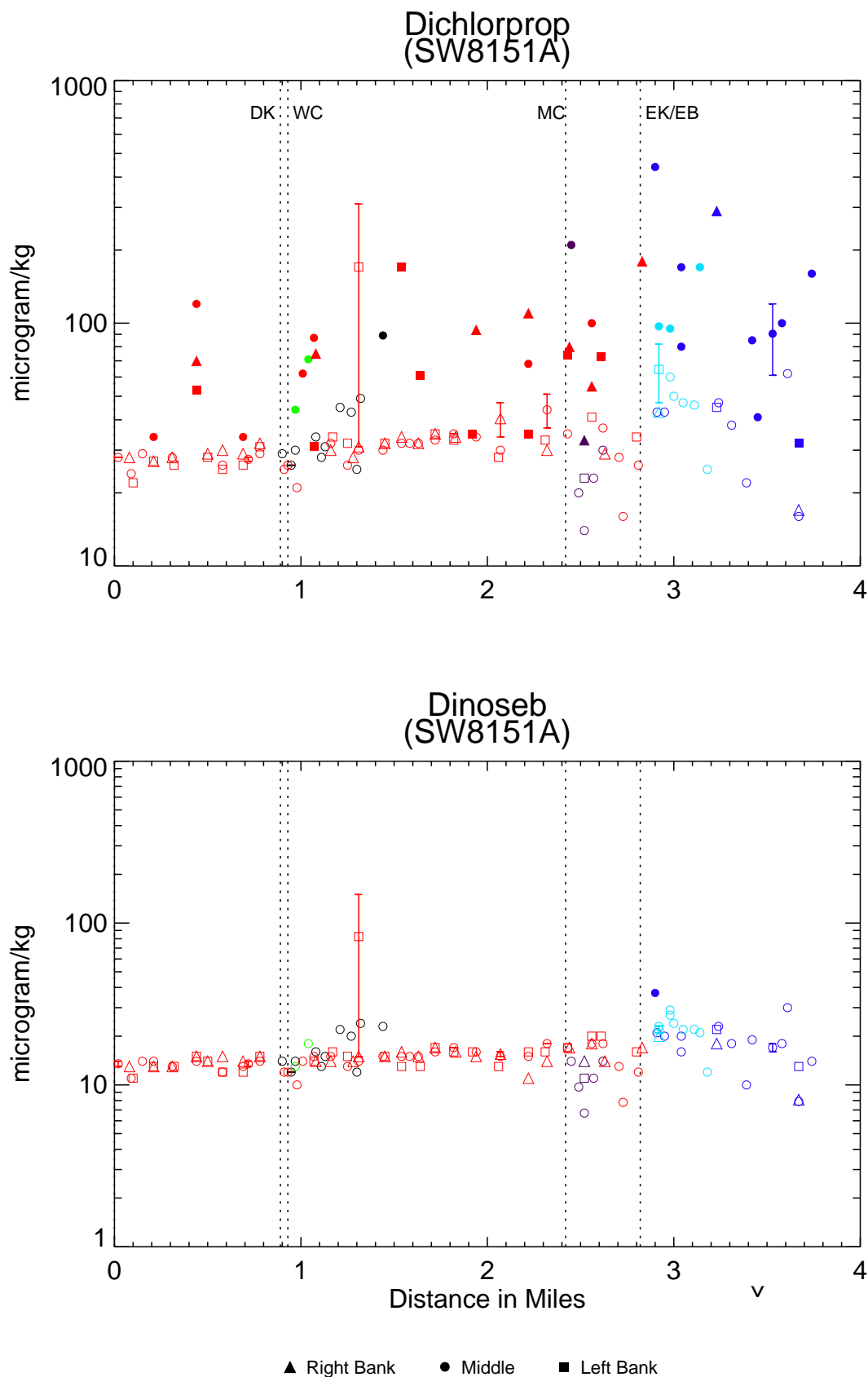
**Figure A4-163**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

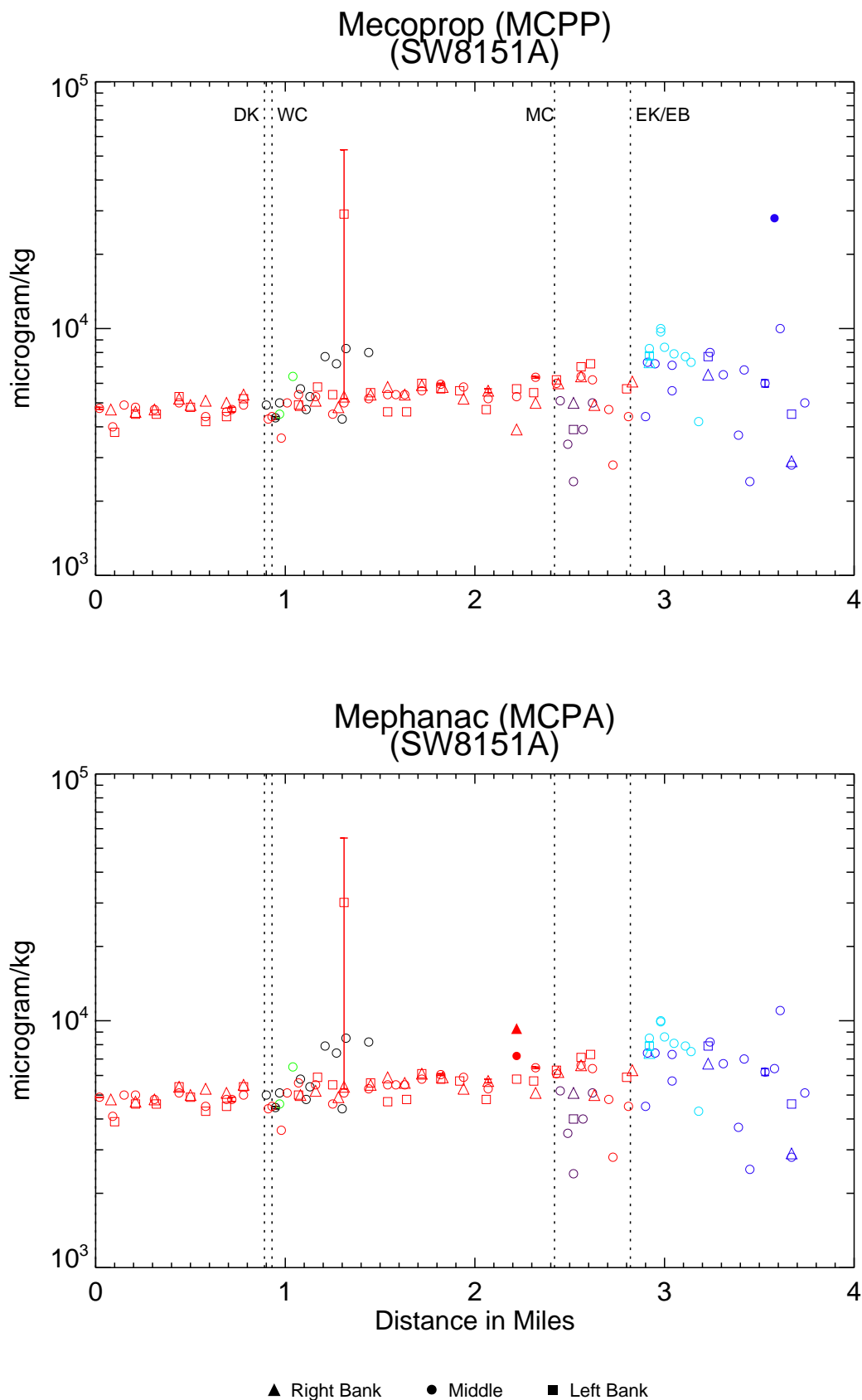
**Figure A4-164**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

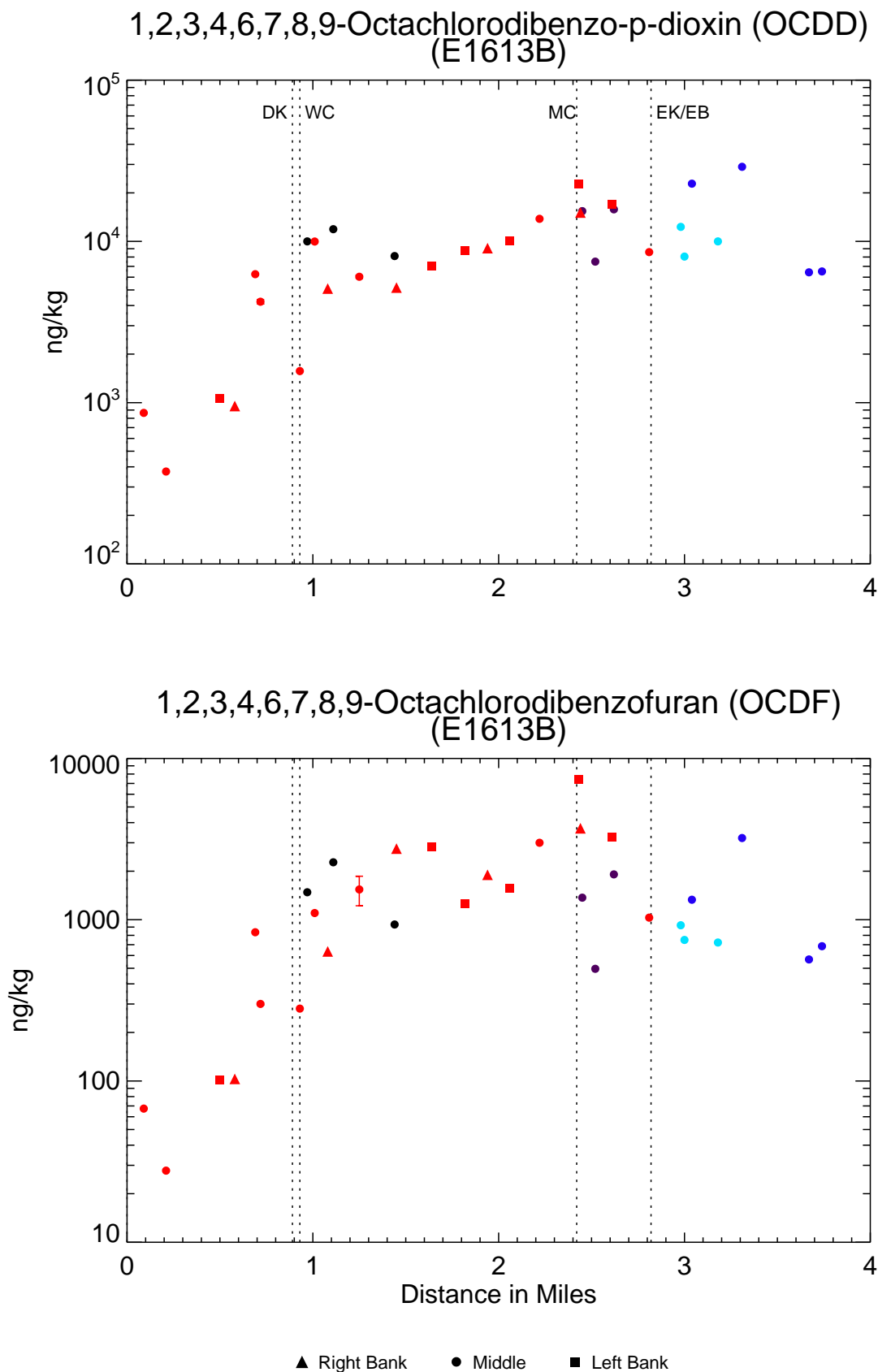
**Figure A4-165**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

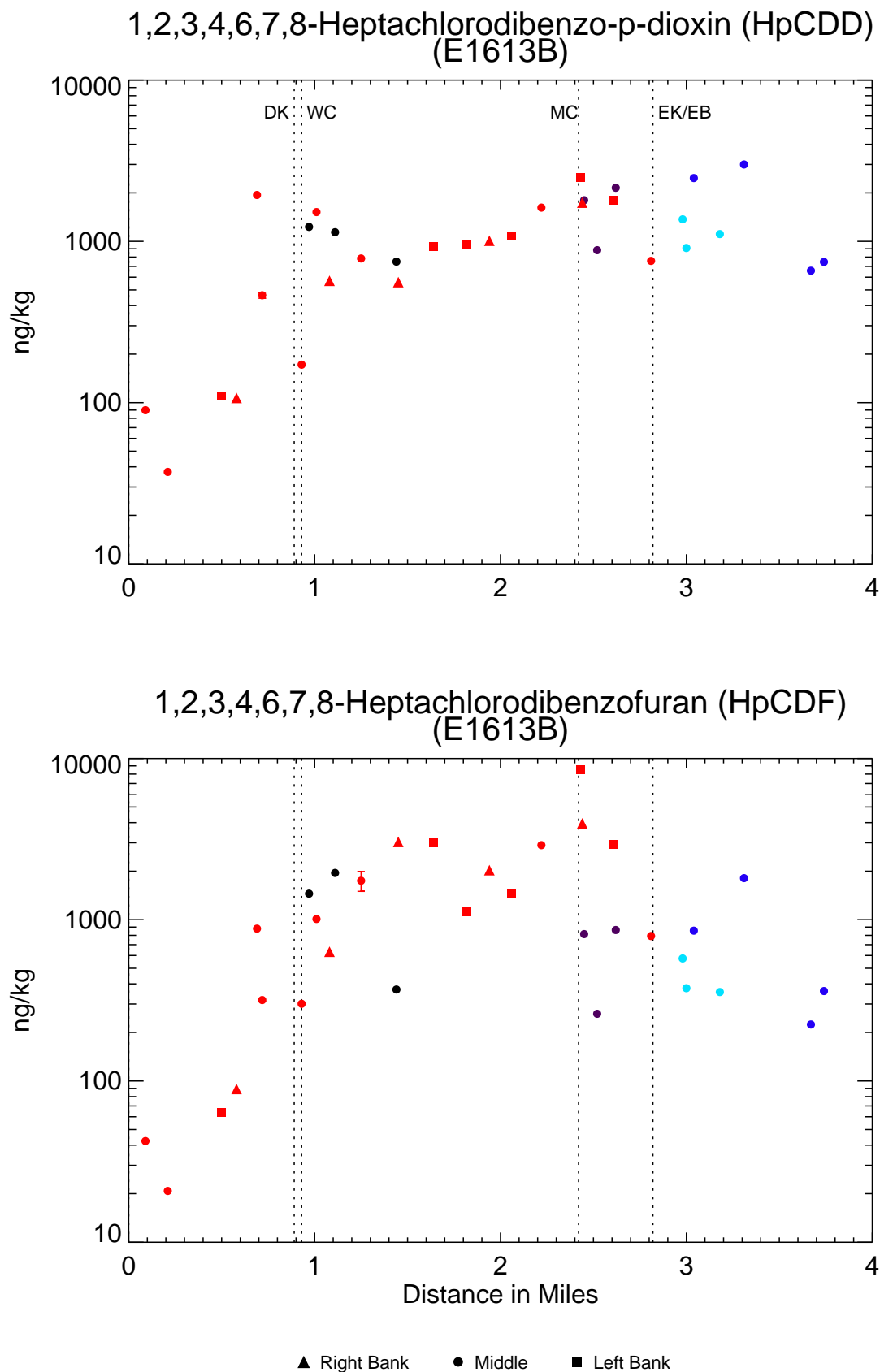
**Figure A4-166**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

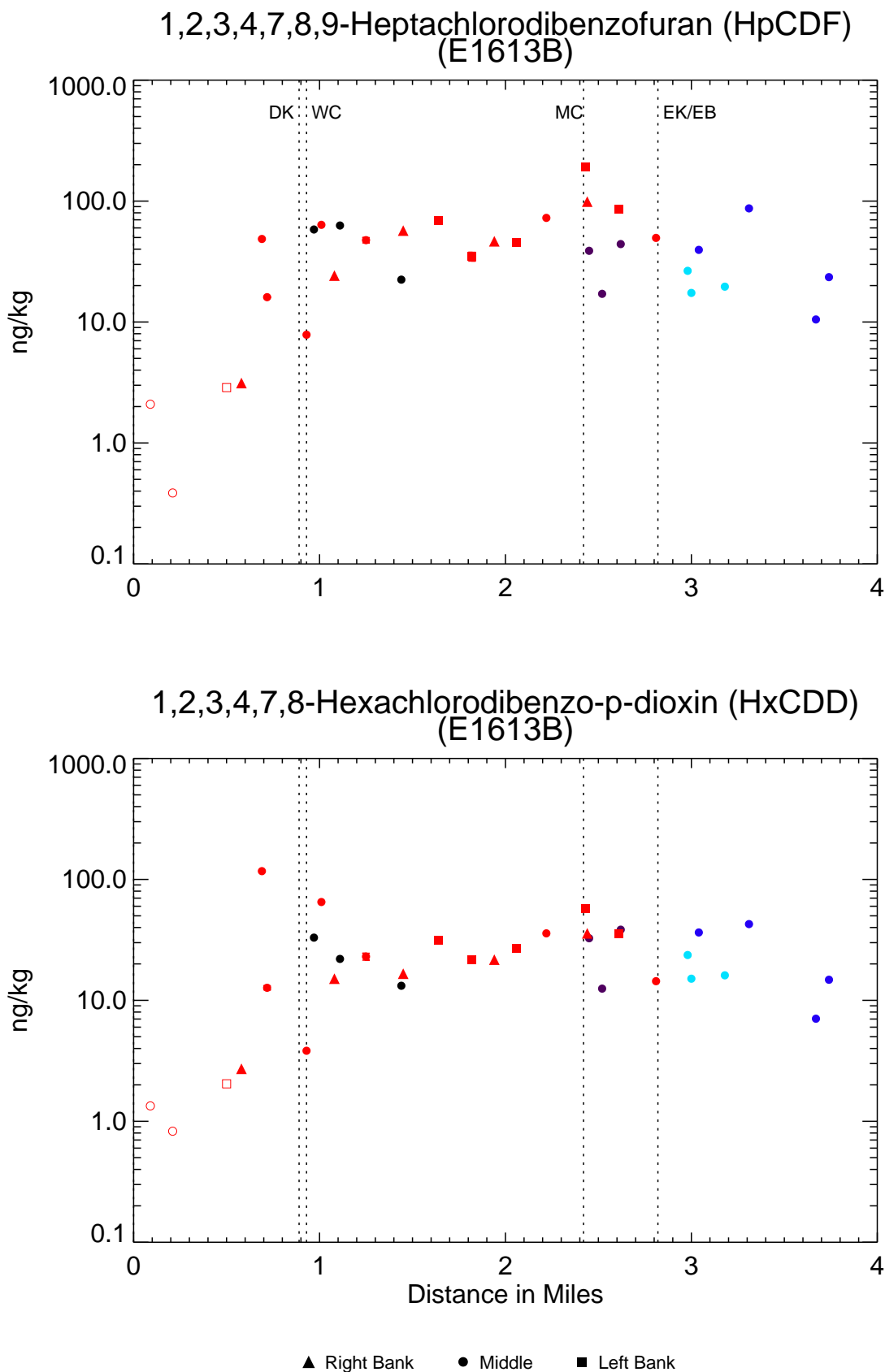
**Figure A4-167**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

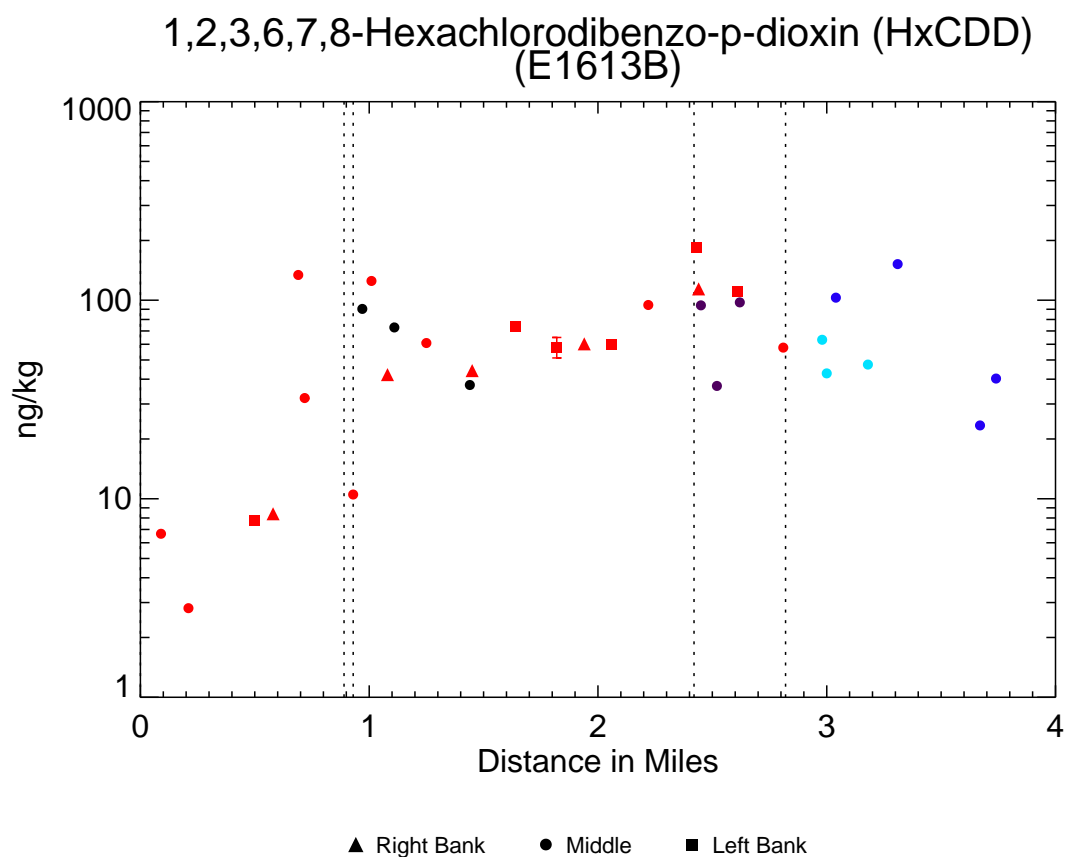
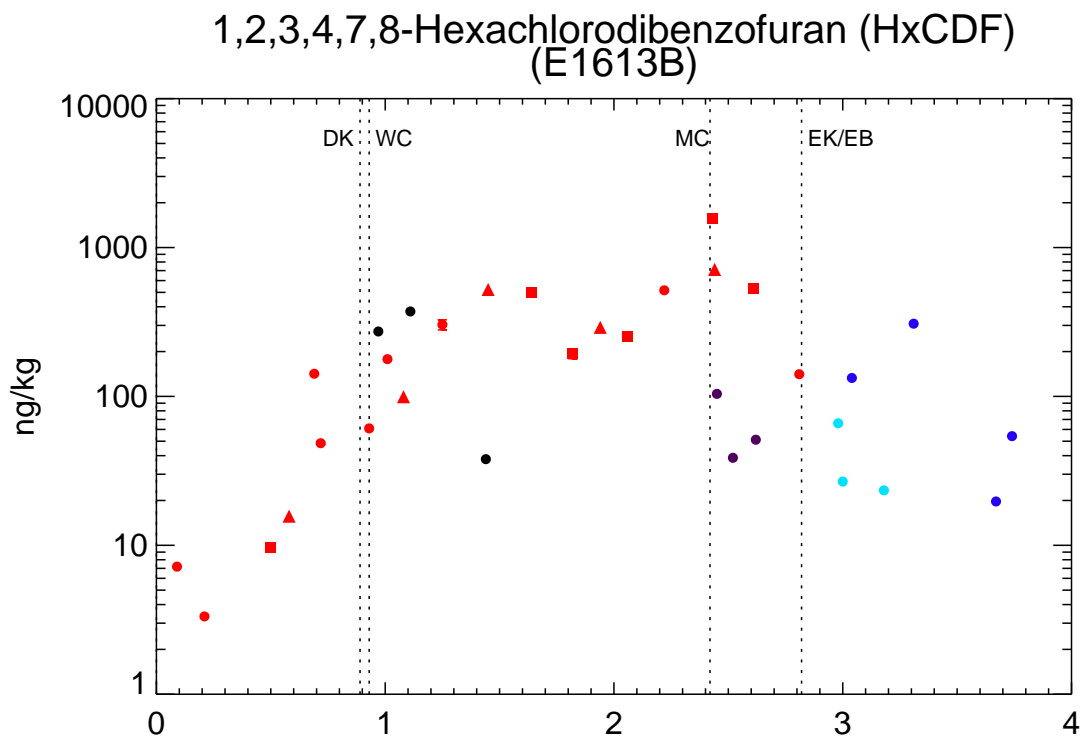
**Figure A4-168**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

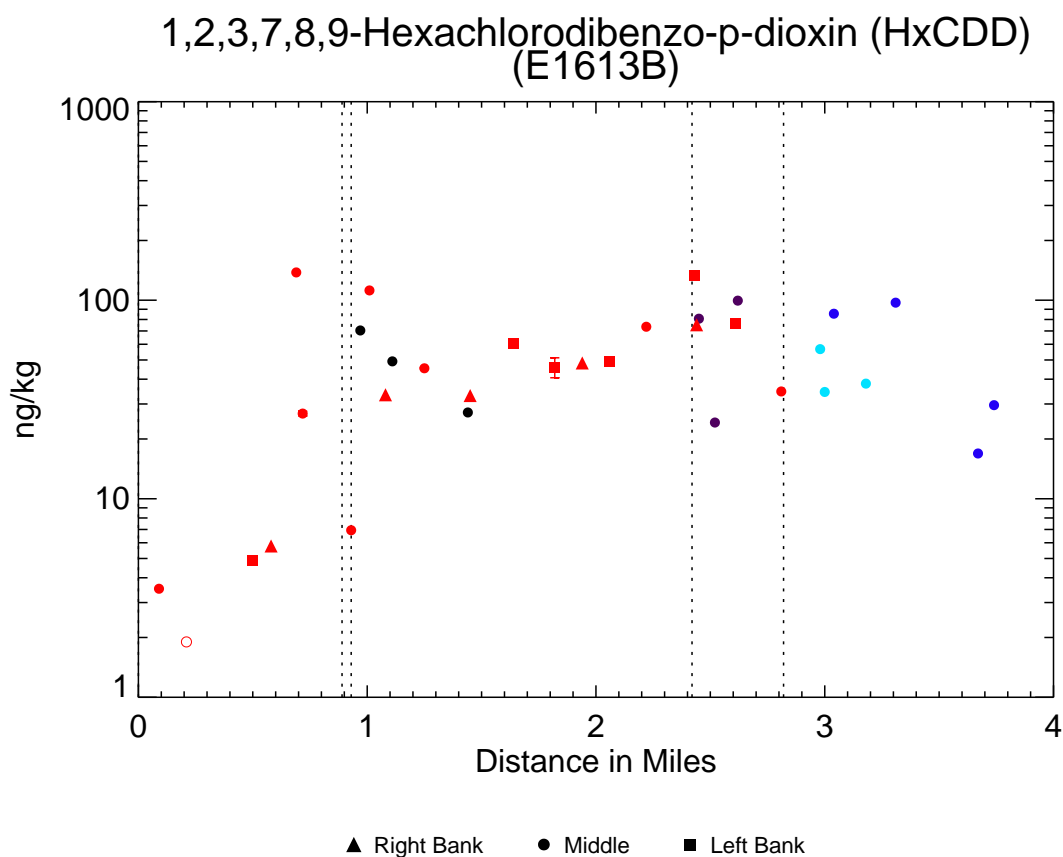
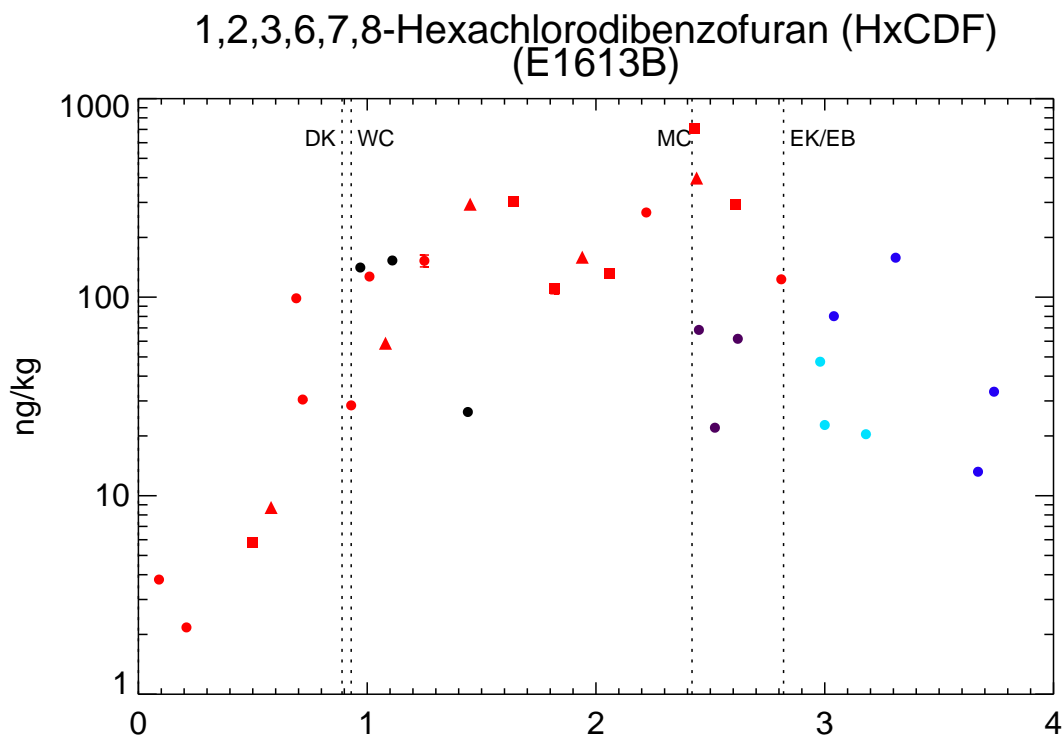
**Figure A4-169**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

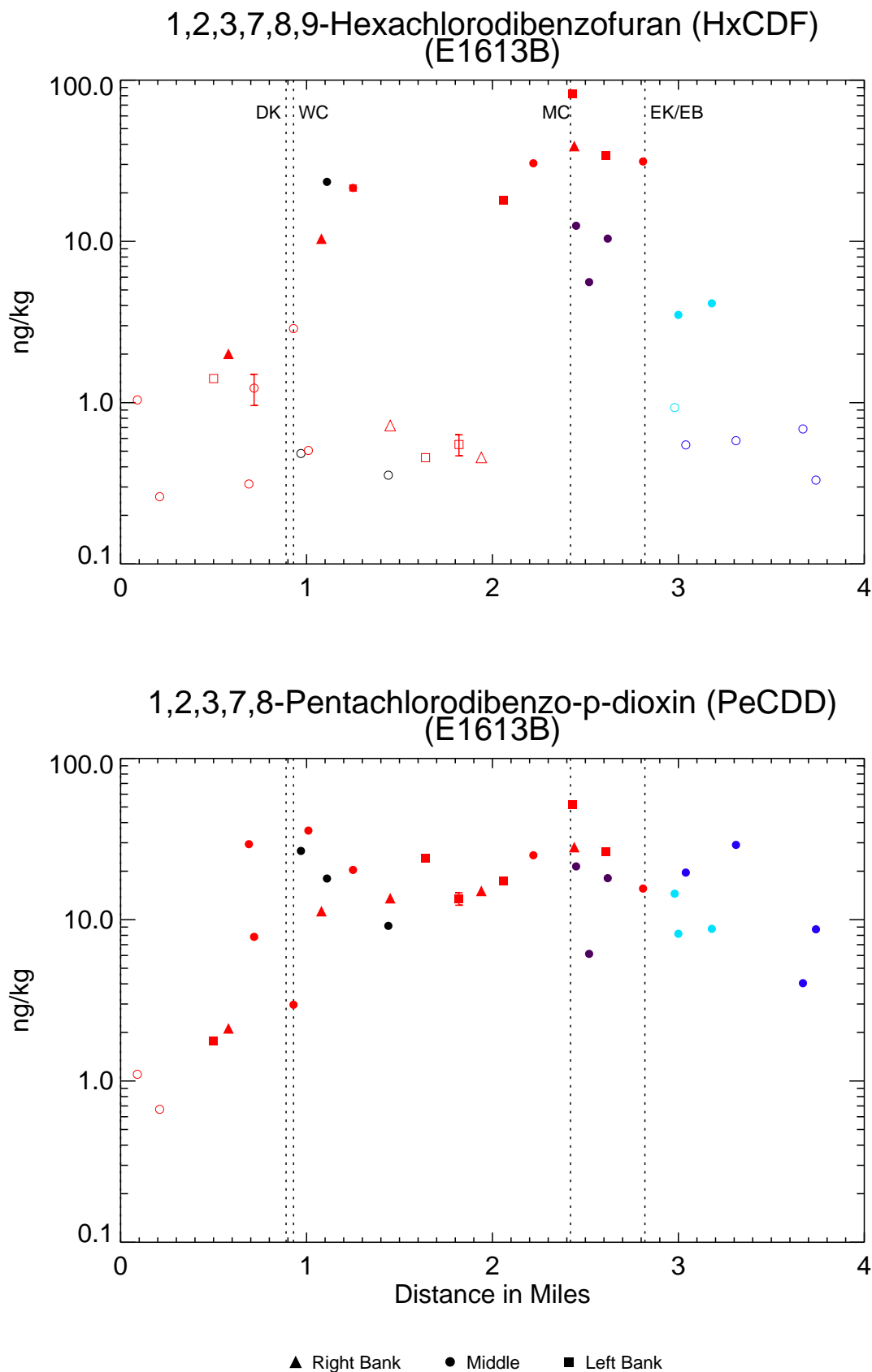
**Figure A4-170**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

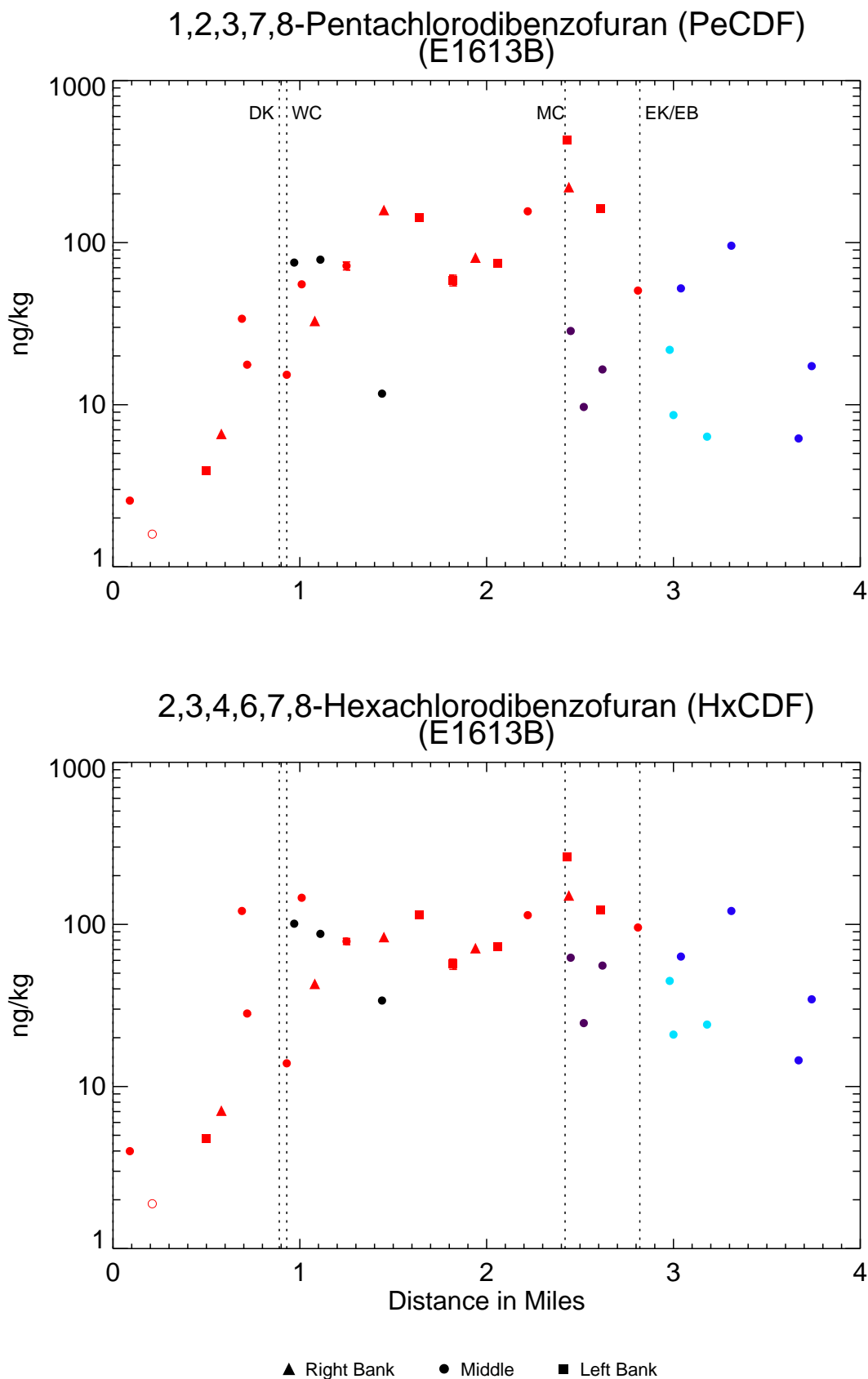
**Figure A4-171**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

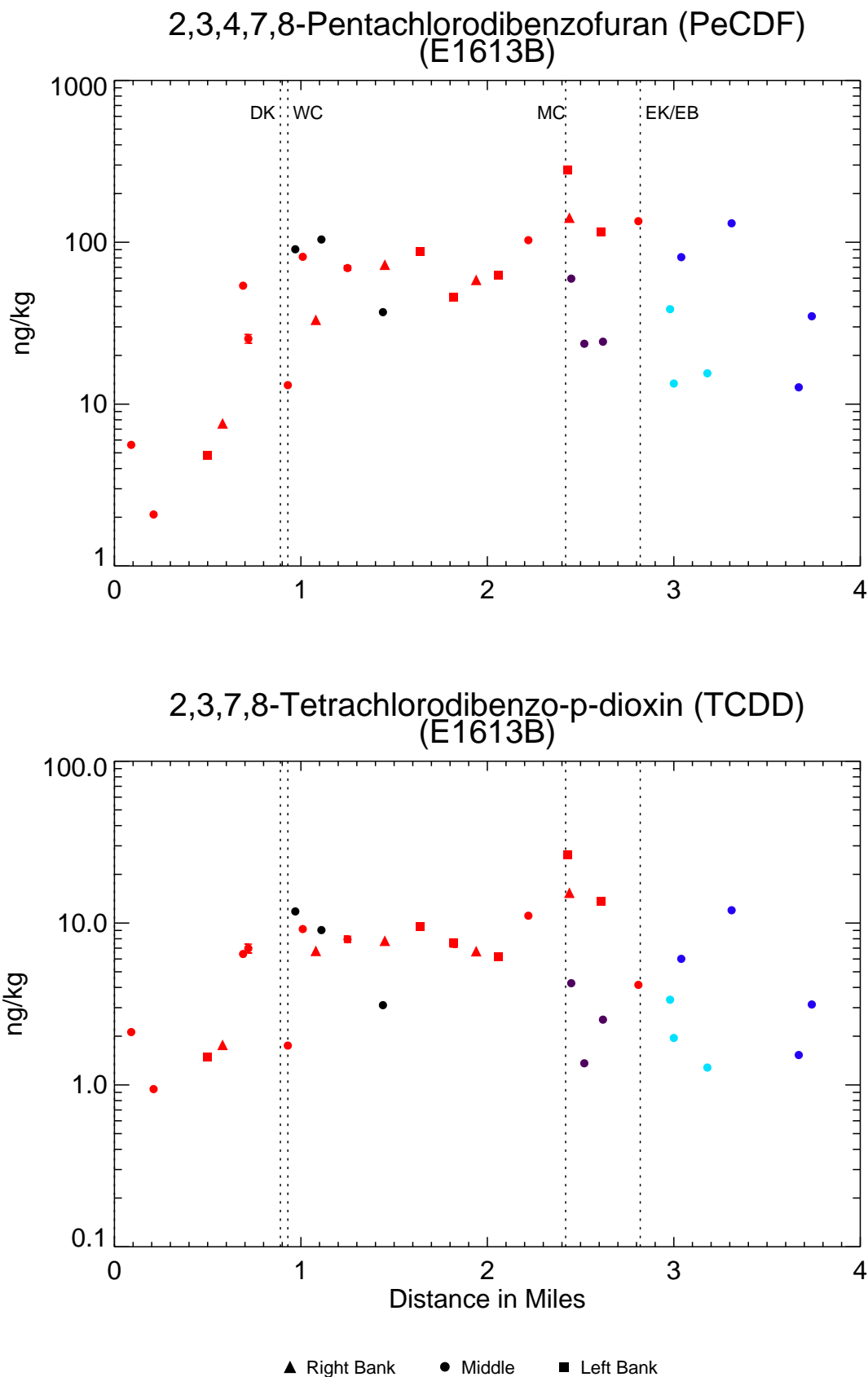
**Figure A4-172**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

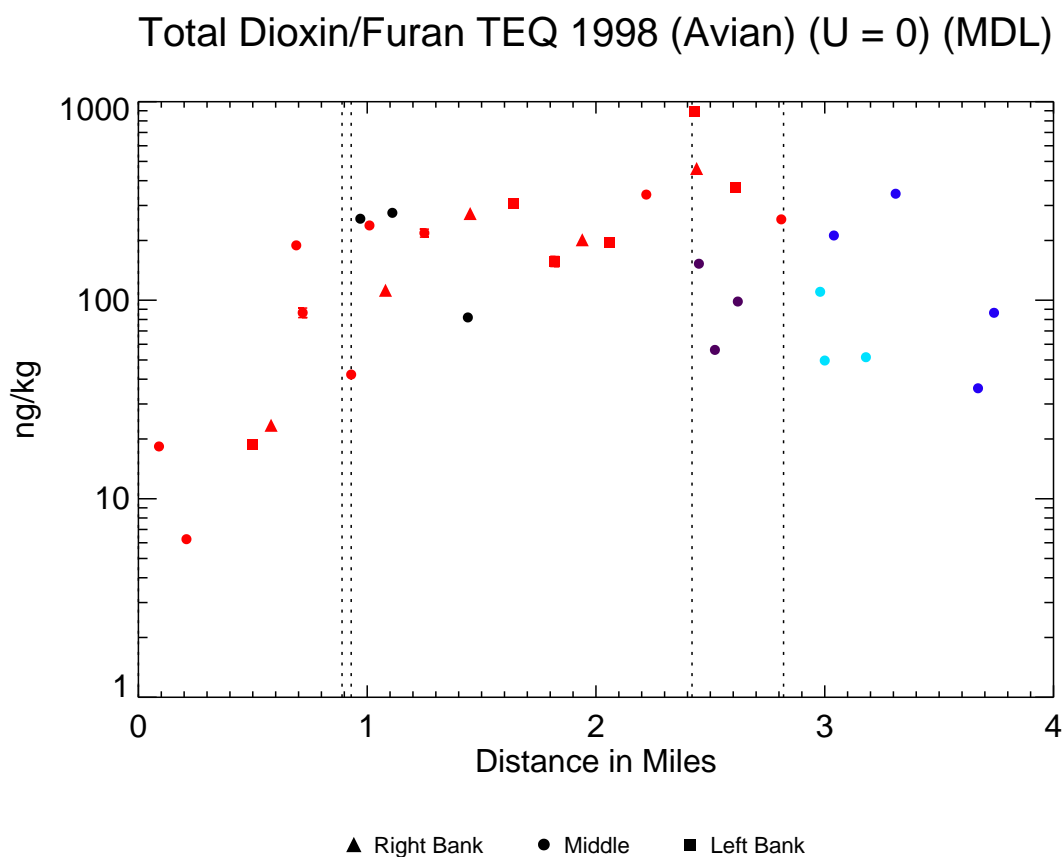
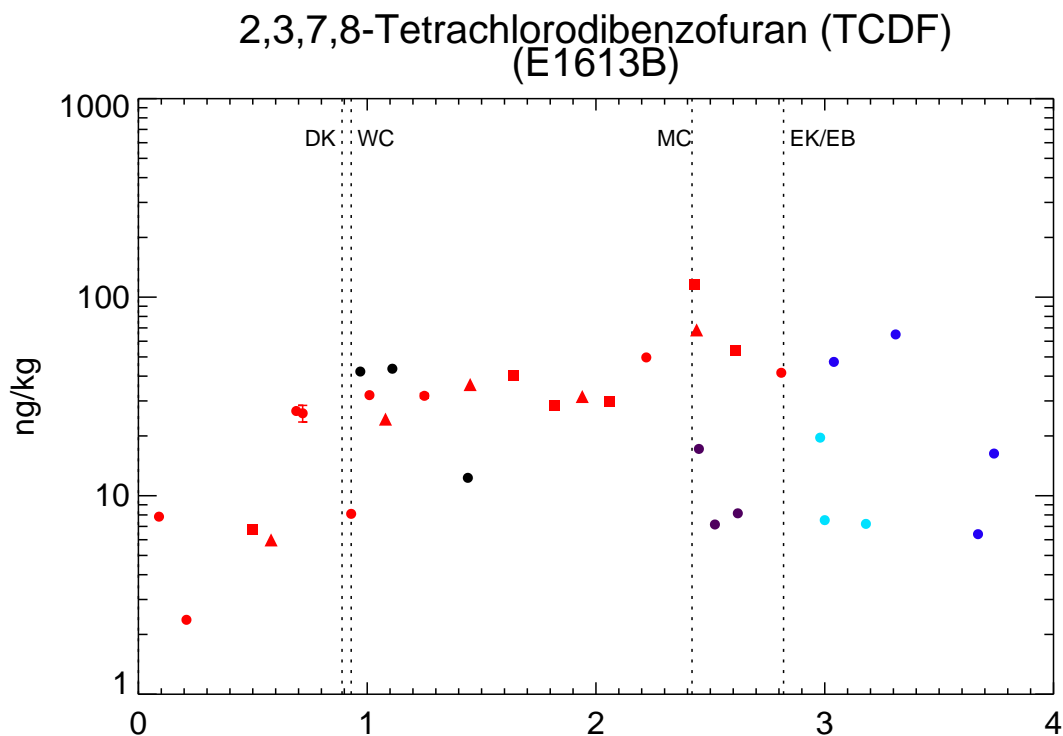
**Figure A4-173**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

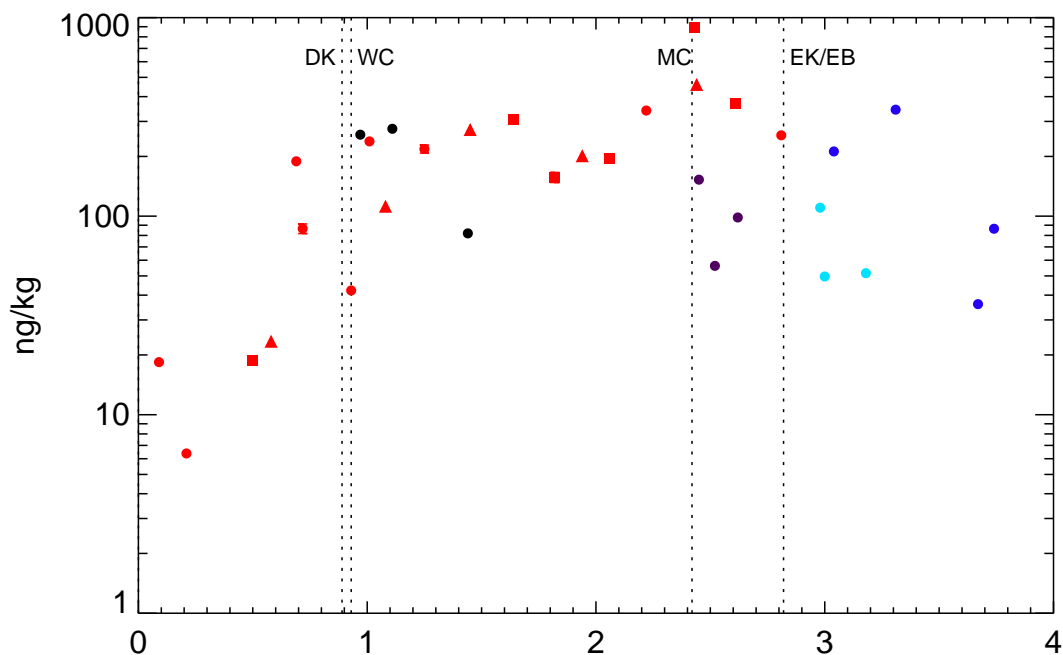


- Newtown Creek
- Dutch Kills (0.89 mi)
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

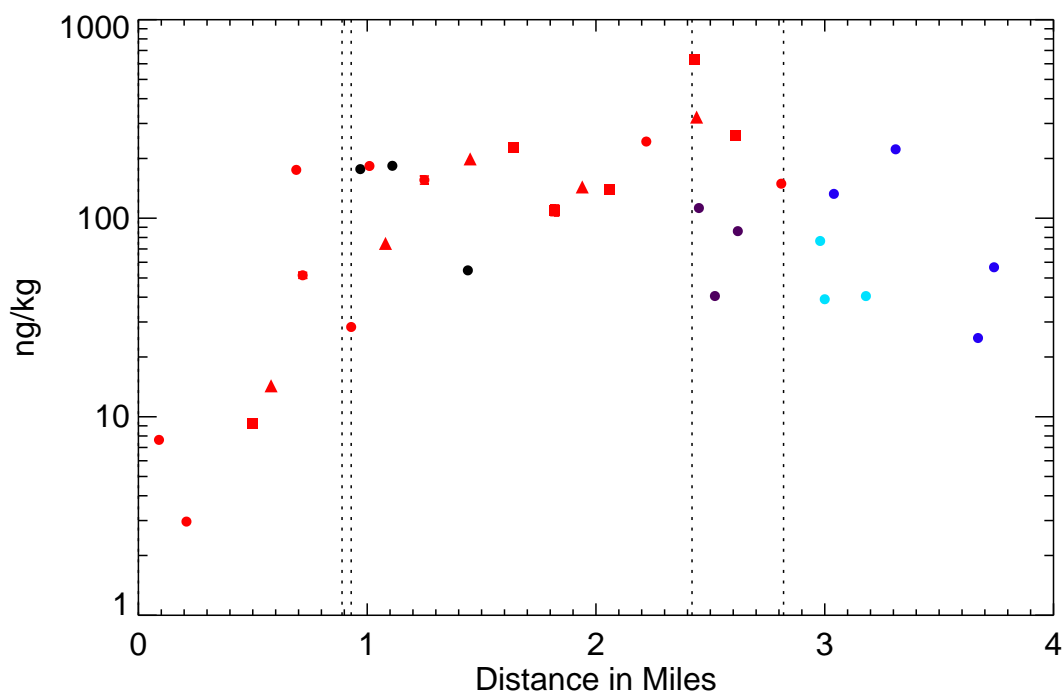
Figure A4-174
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total Dioxin/Furan TEQ 1998 (Avian) (U = 1/2) (MDL)



Total Dioxin/Furan TEQ 1998 (Fish) (U = 0) (MDL)



▲ Right Bank ● Middle ■ Left Bank

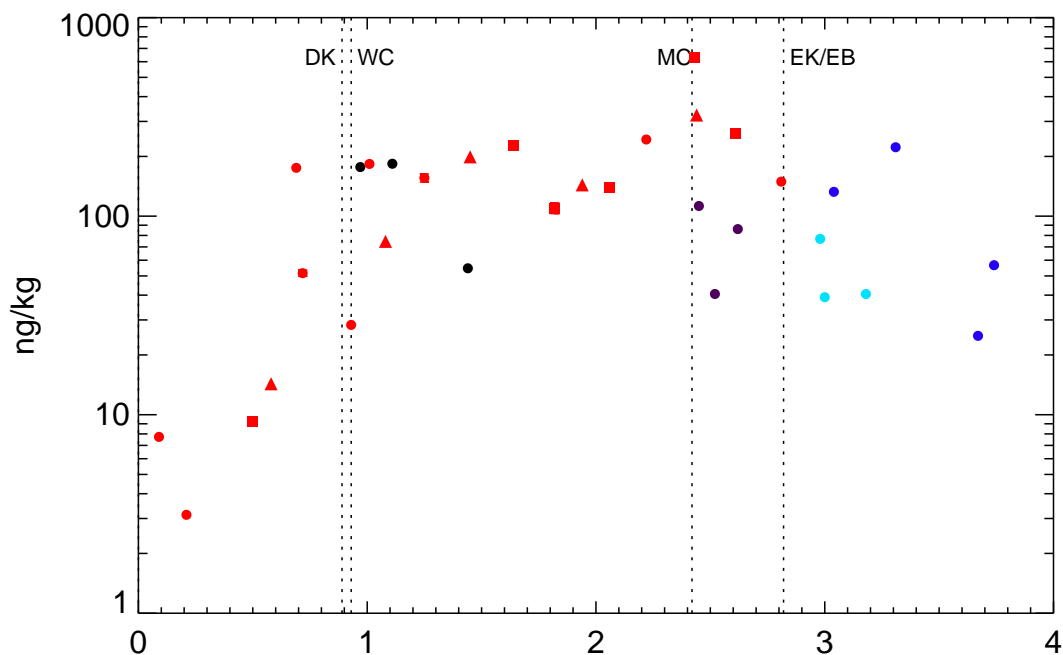


- Newtown Creek
- Dutch Kills (0.89 mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

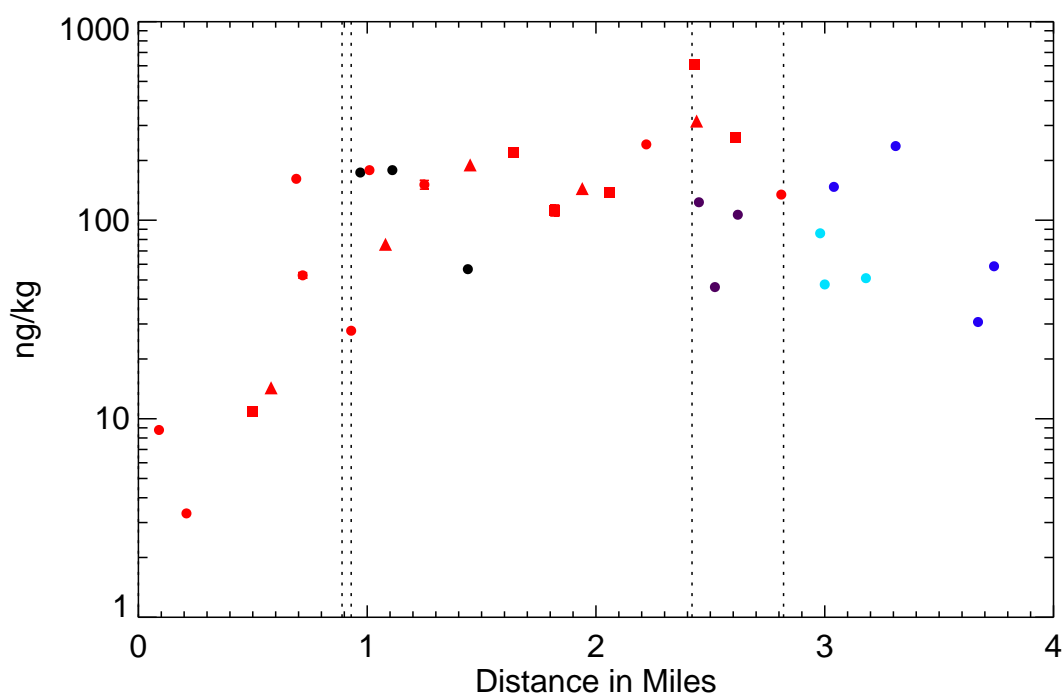
Figure A4-175
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total Dioxin/Furan TEQ 1998 (Fish) (U = 1/2) (MDL)



Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0) (MDL)



▲ Right Bank ● Middle ■ Left Bank

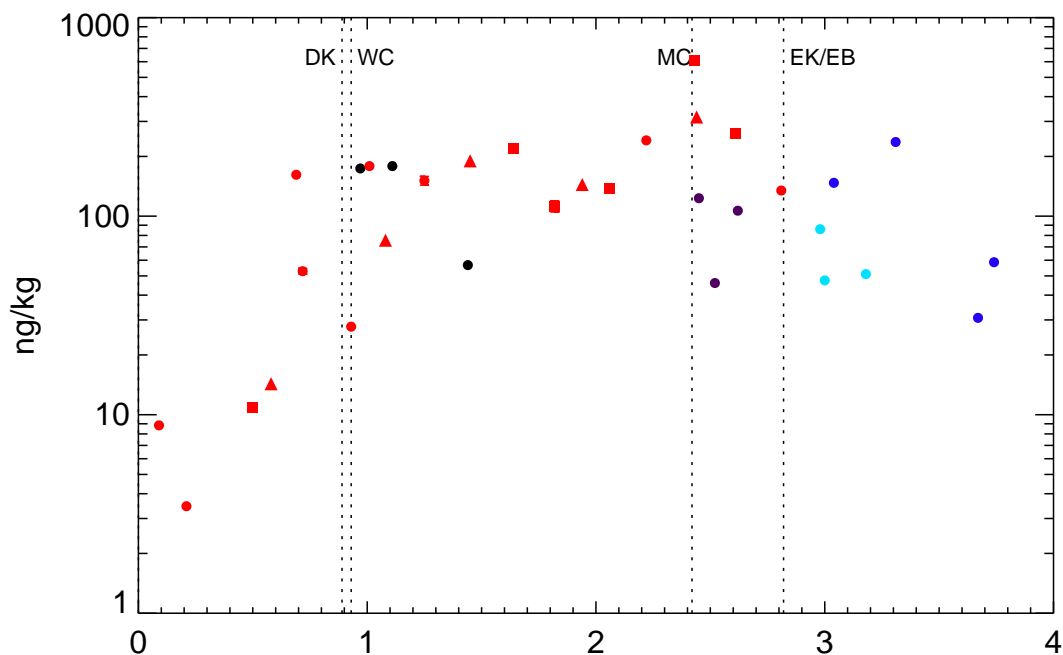


- Newtown Creek
- Dutch Kills (0.89 mi)
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

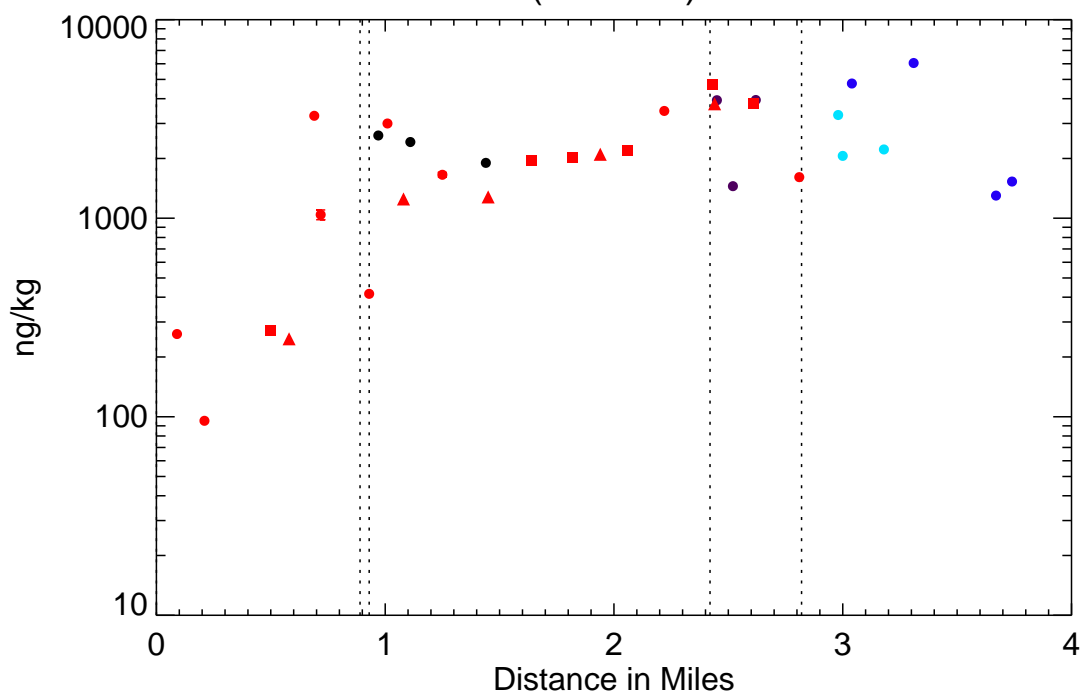
Figure A4-176
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total Dioxin/Furan TEQ 2005 (Mammal) ($U = 1/2$) (MDL)



Total Heptachlorodibenzo-p-dioxin (HpCDD) (E1613B)



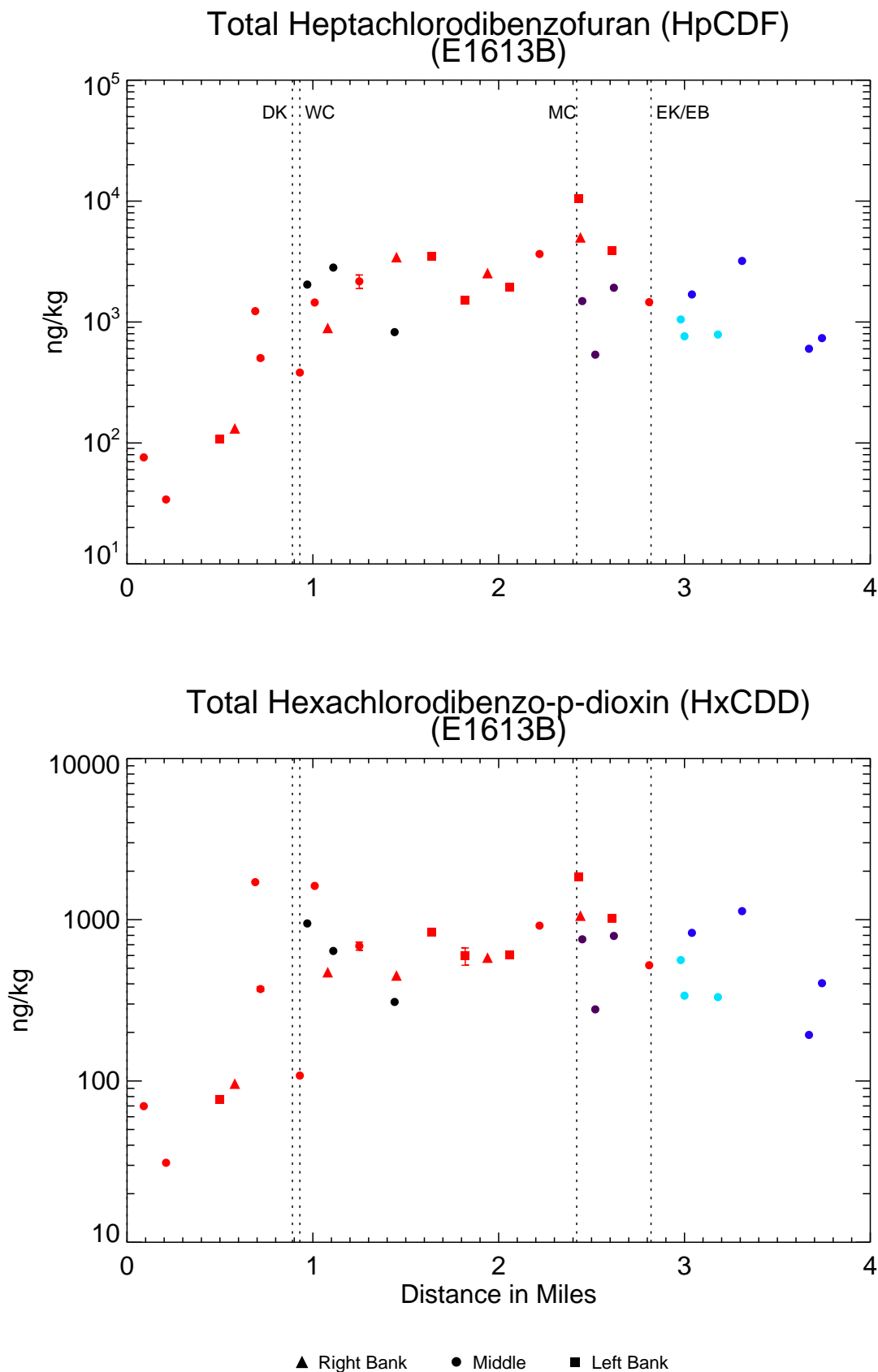
▲ Right Bank ● Middle ■ Left Bank



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Figure A4-177
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

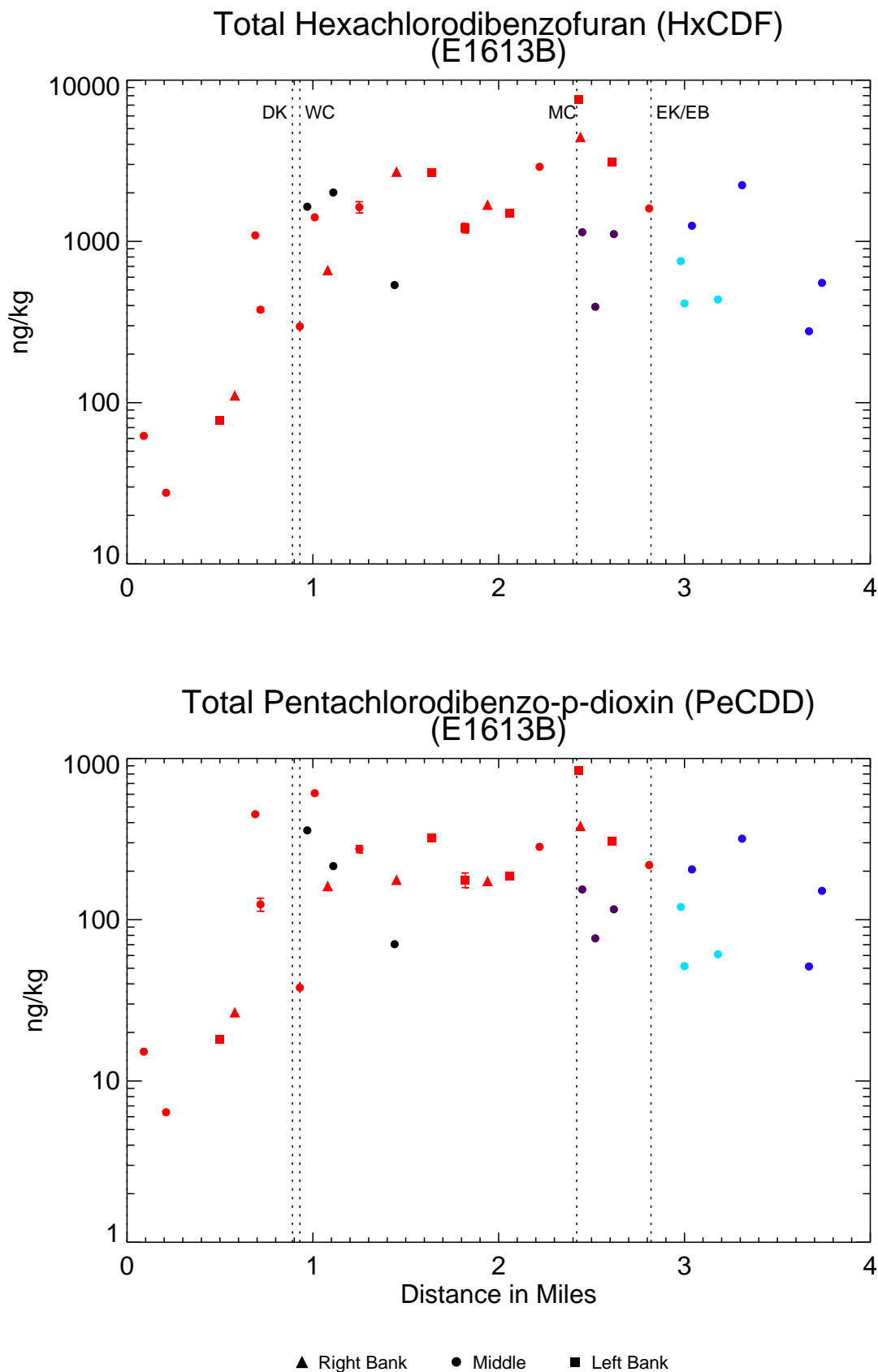
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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Figure A4-178
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

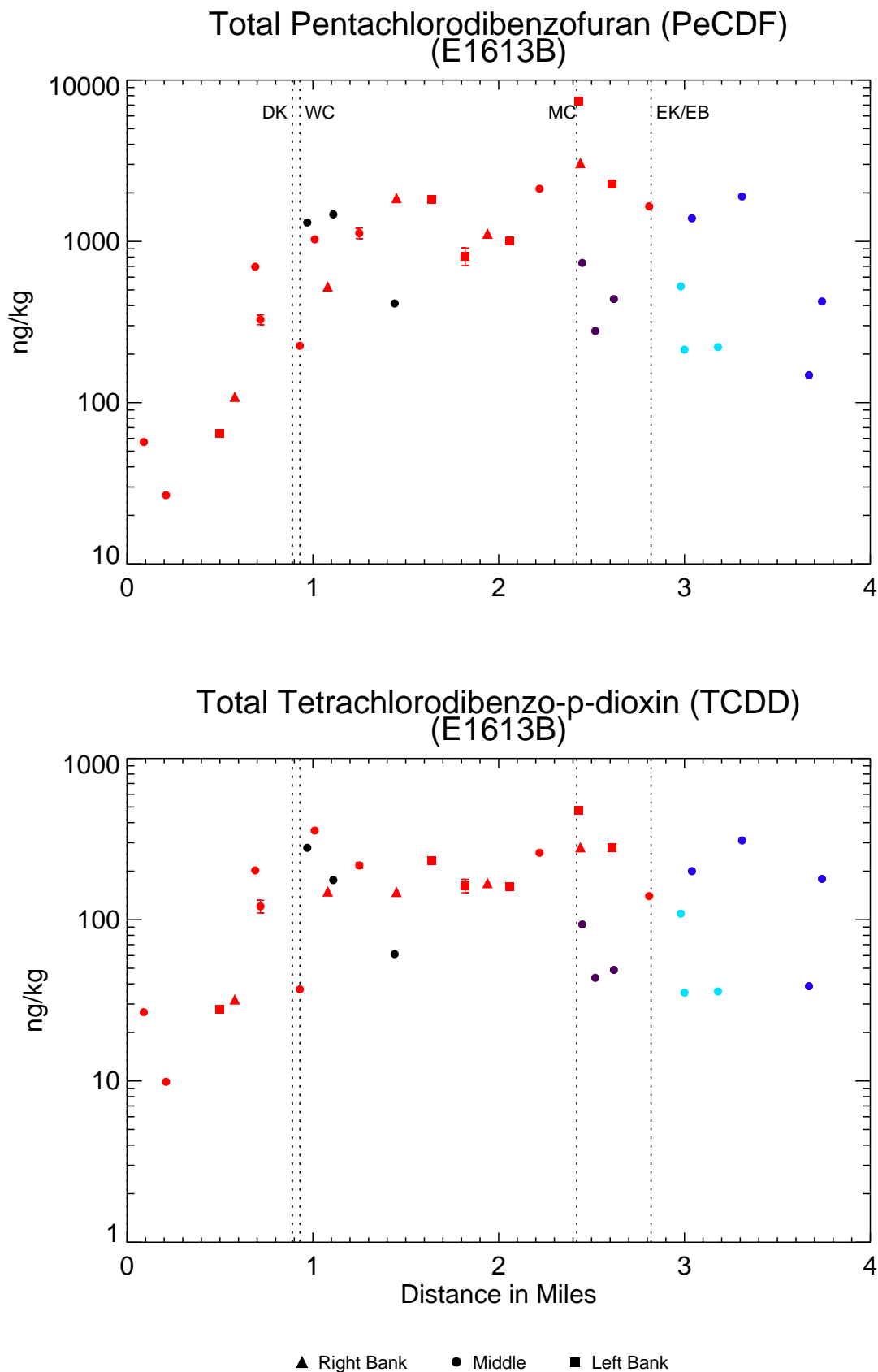
**Figure A4-179**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

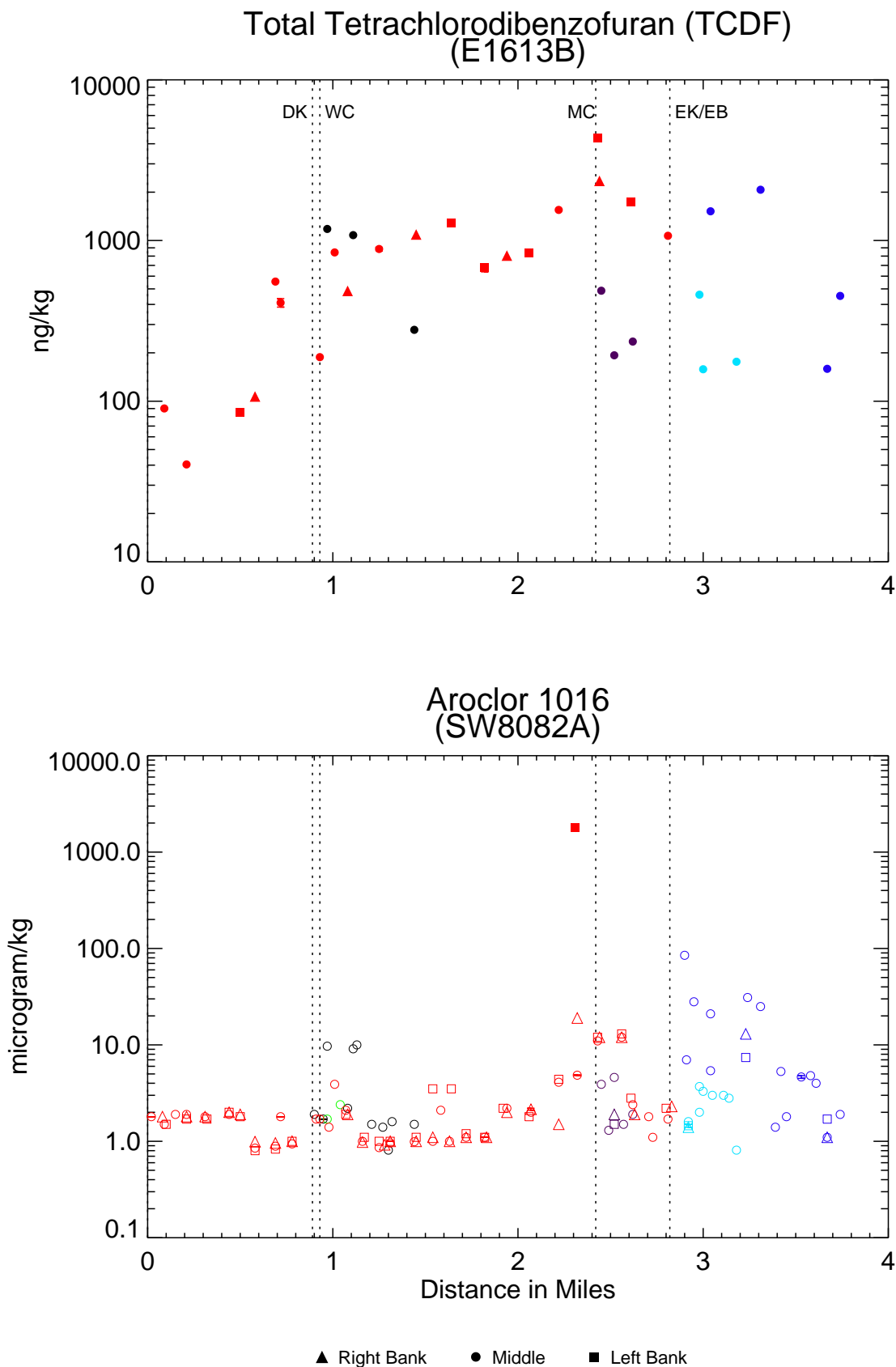
**Figure A4-180**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

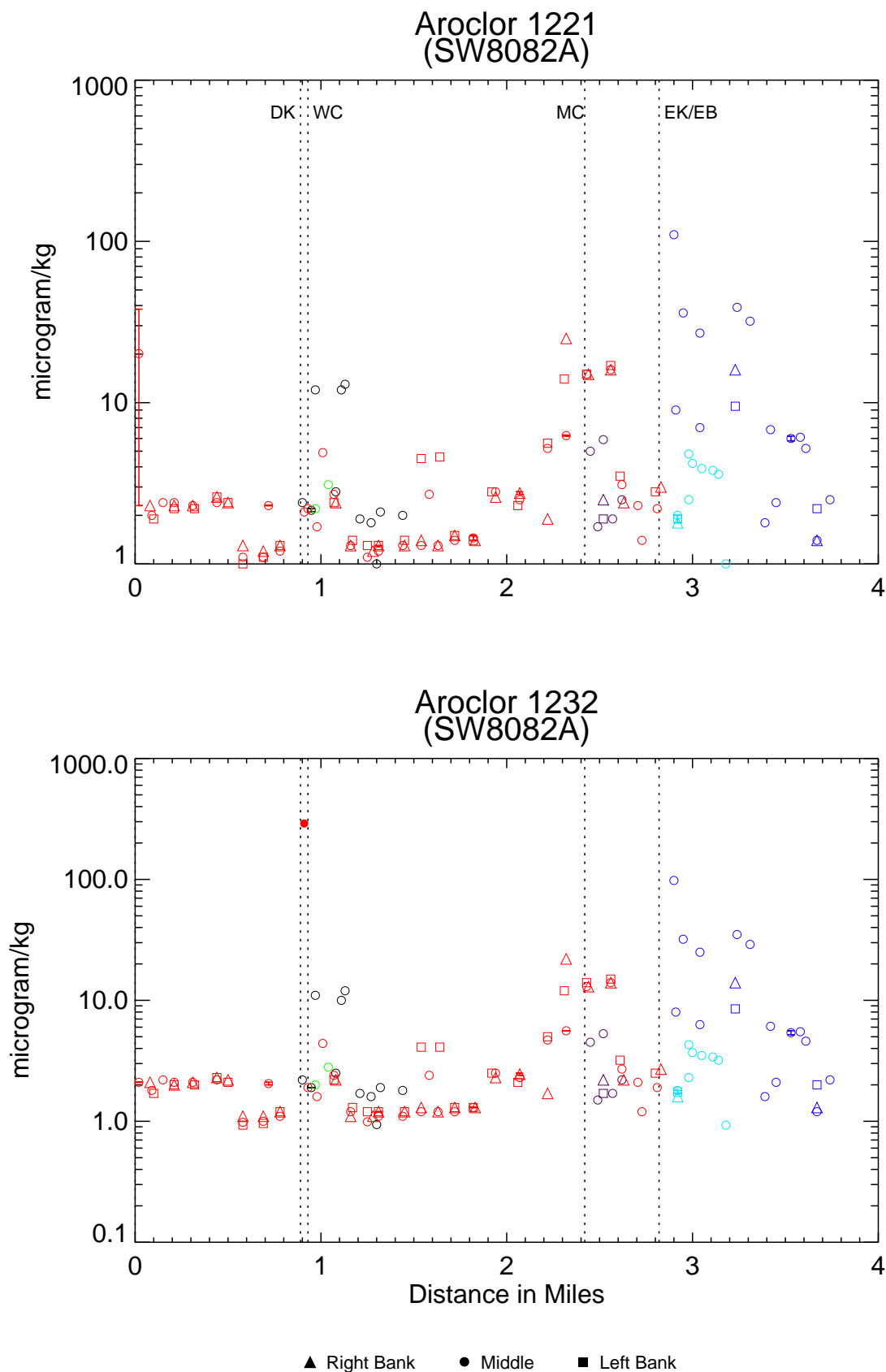
**Figure A4-181**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

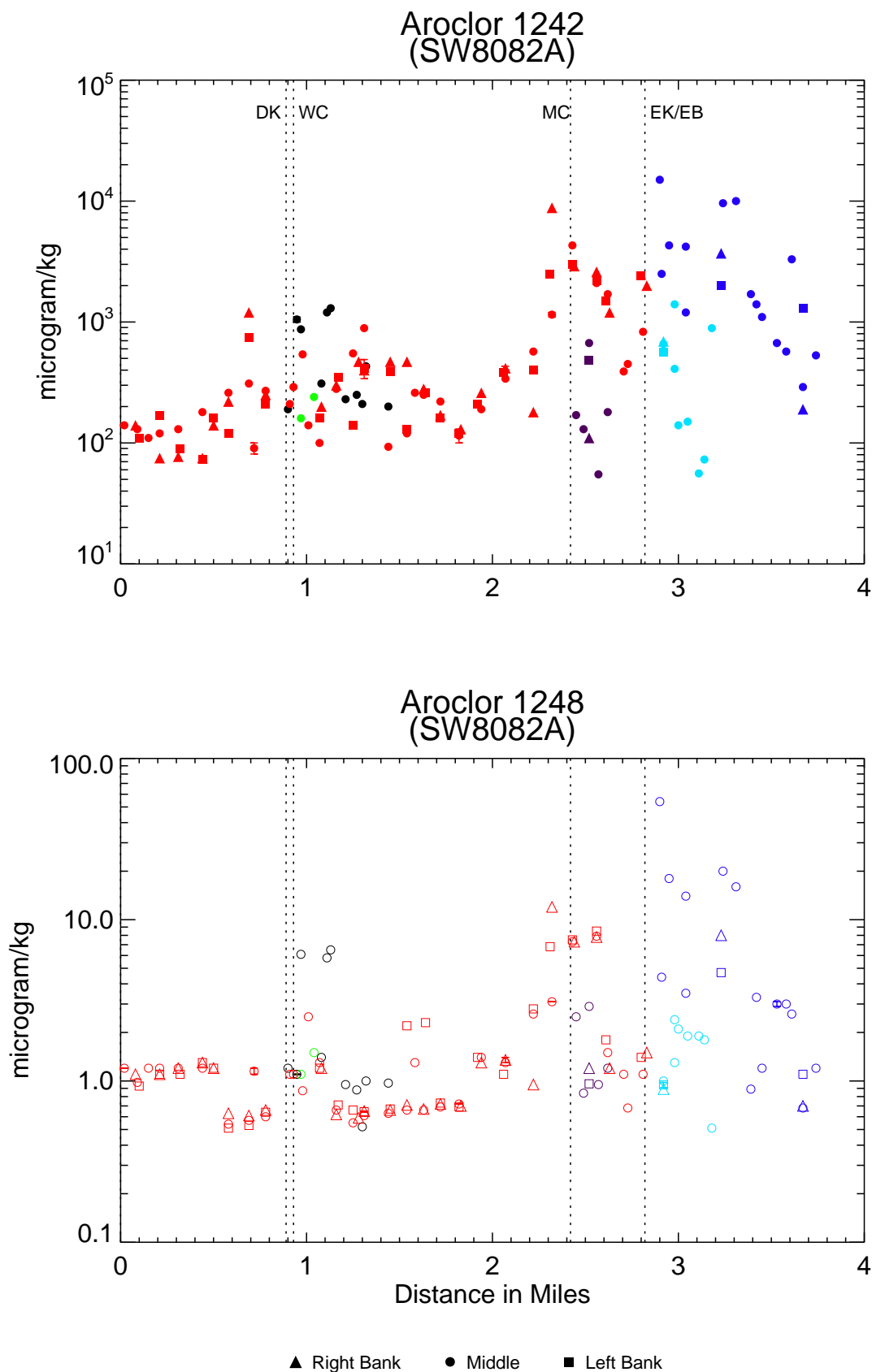
**Figure A4-182**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

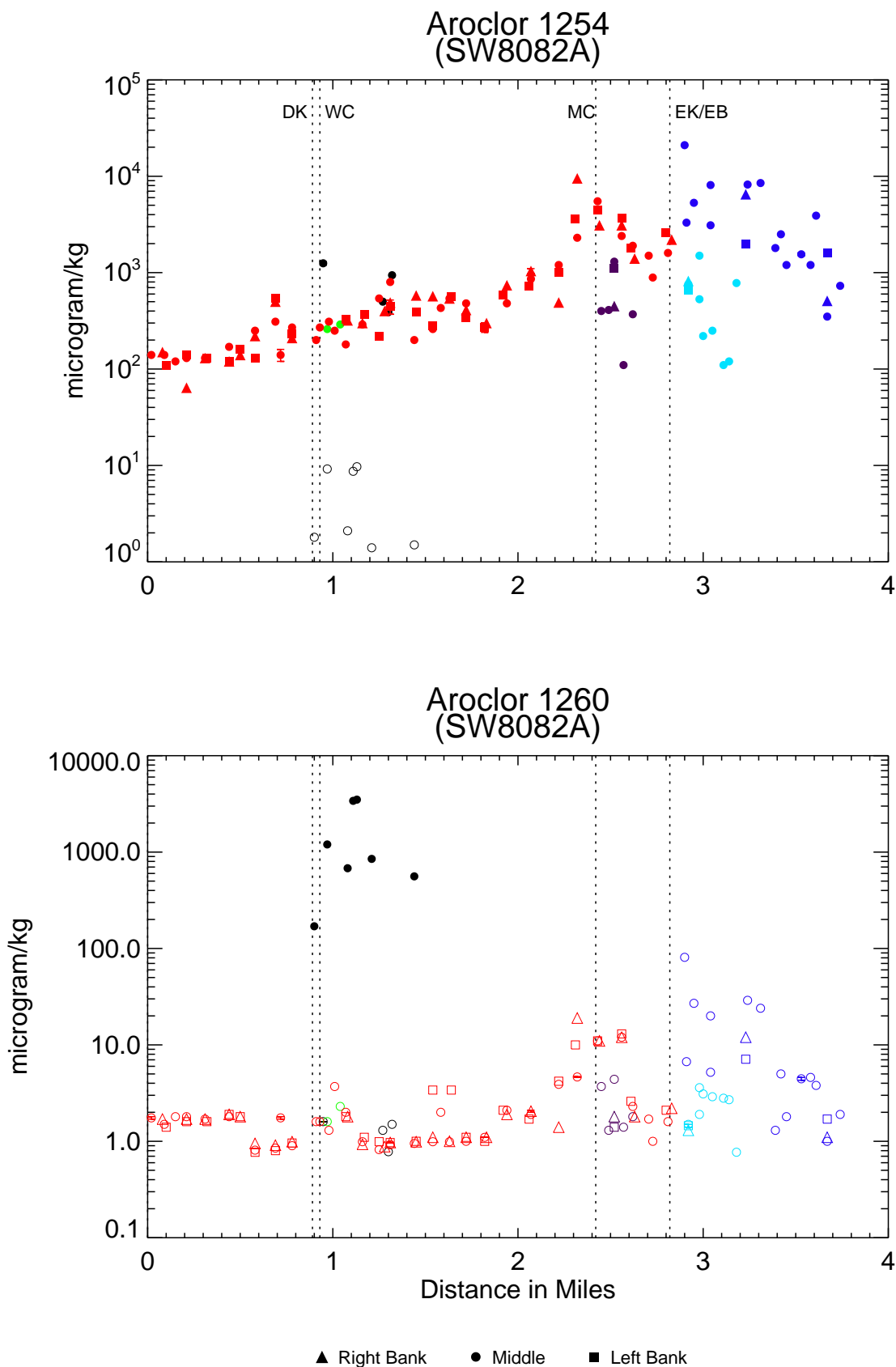
**Figure A4-183**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

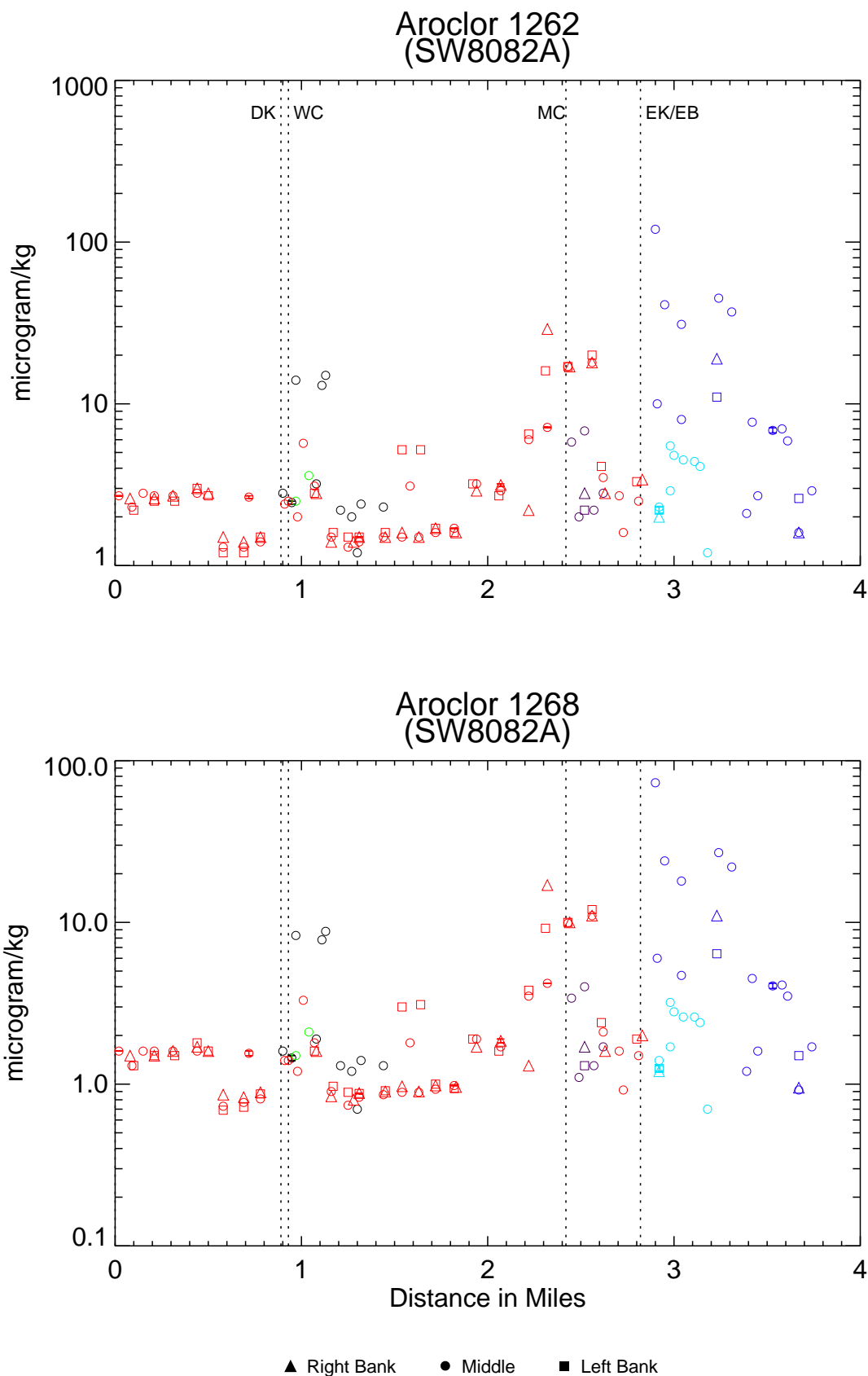
**Figure A4-184**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-185**

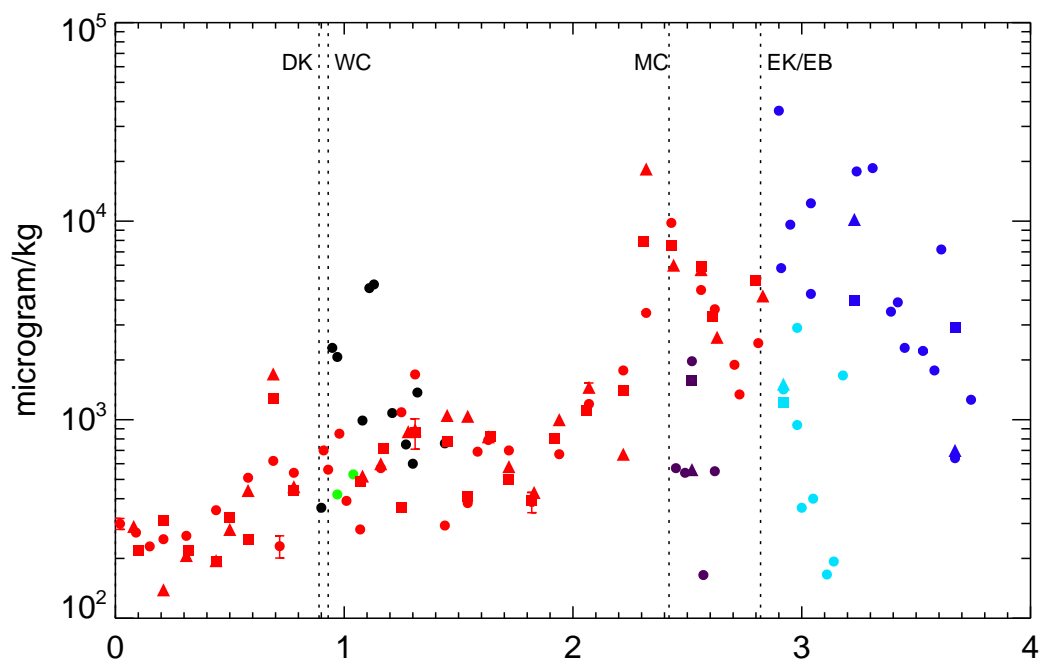
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

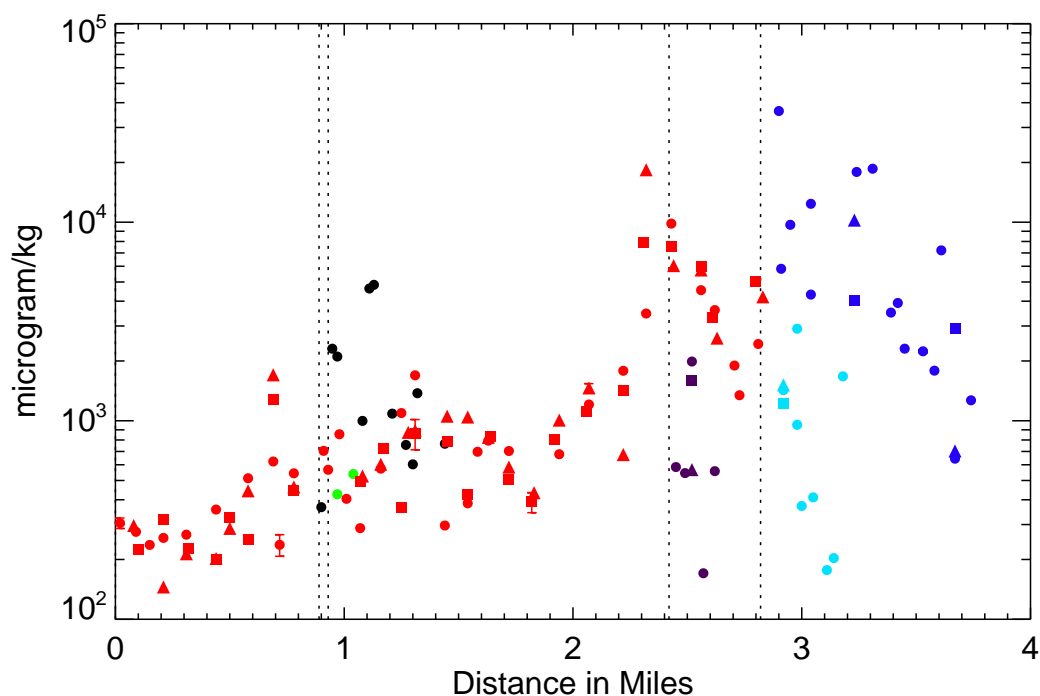


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Total PCB Aroclors (U = 0) (MDL)



Total PCB Aroclors (U = 1/2) (MDL)



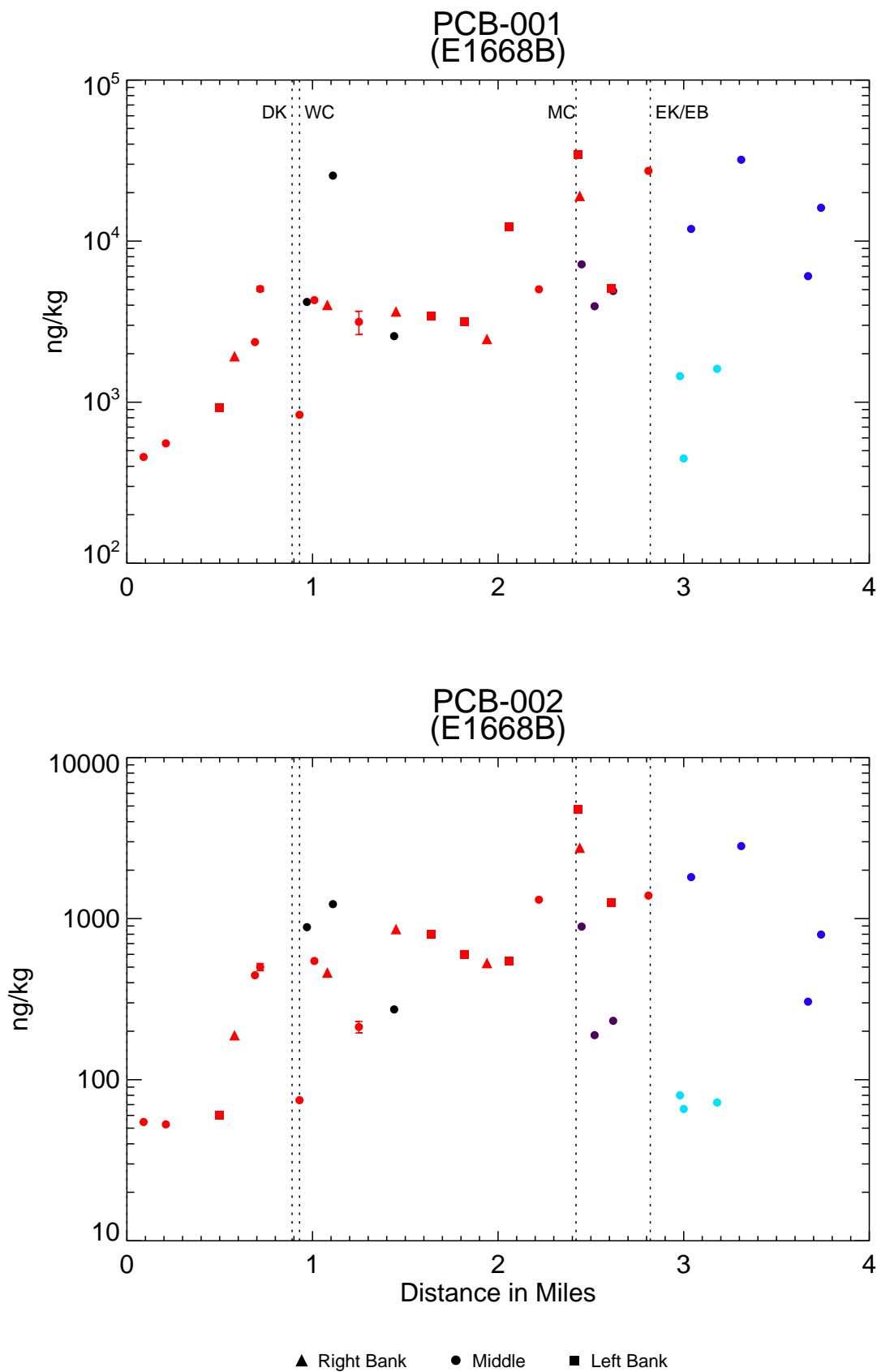
▲ Right Bank ● Middle ■ Left Bank



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-186
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

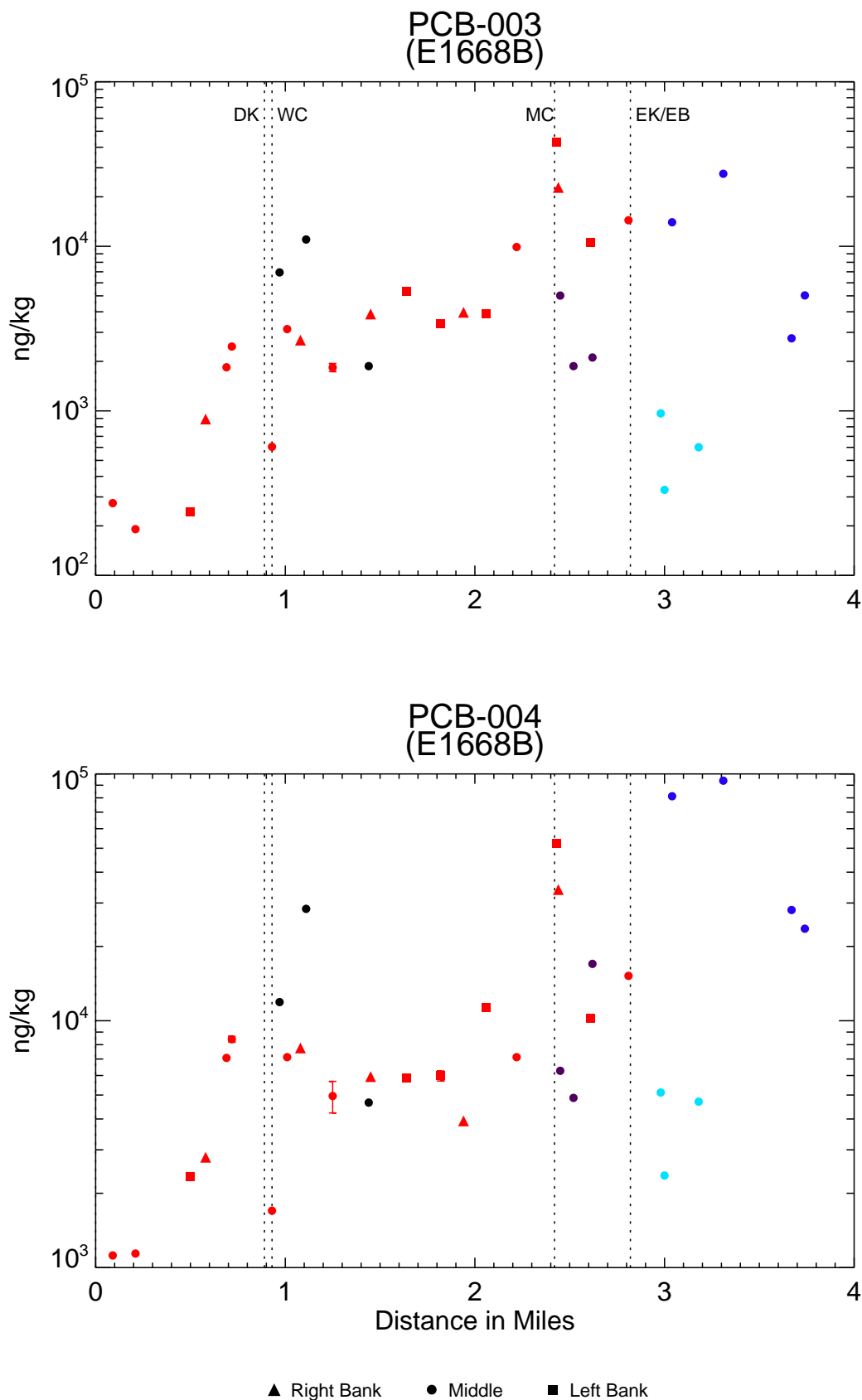
**Figure A4-187**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93 mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

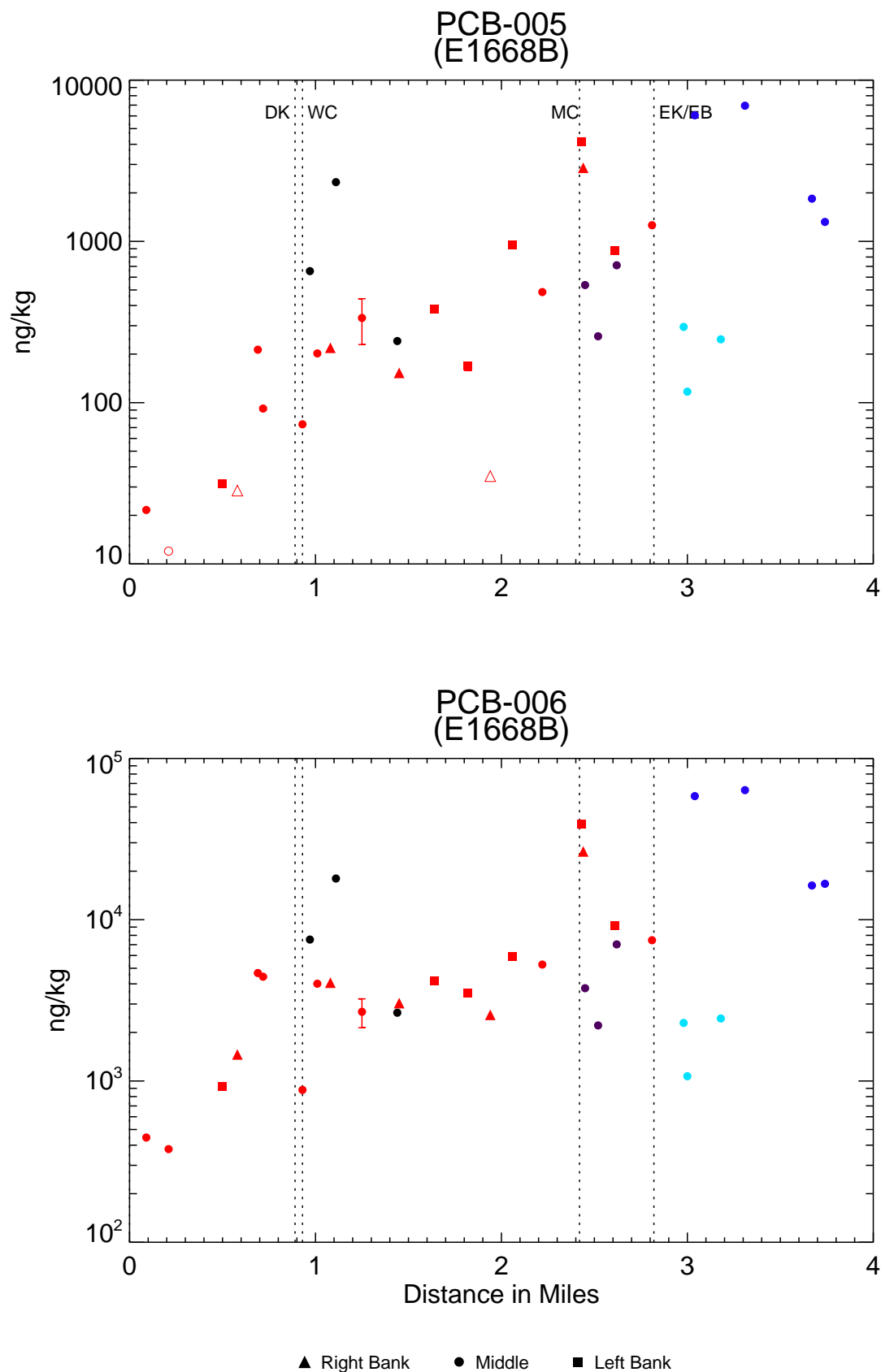
**Figure A4-188**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

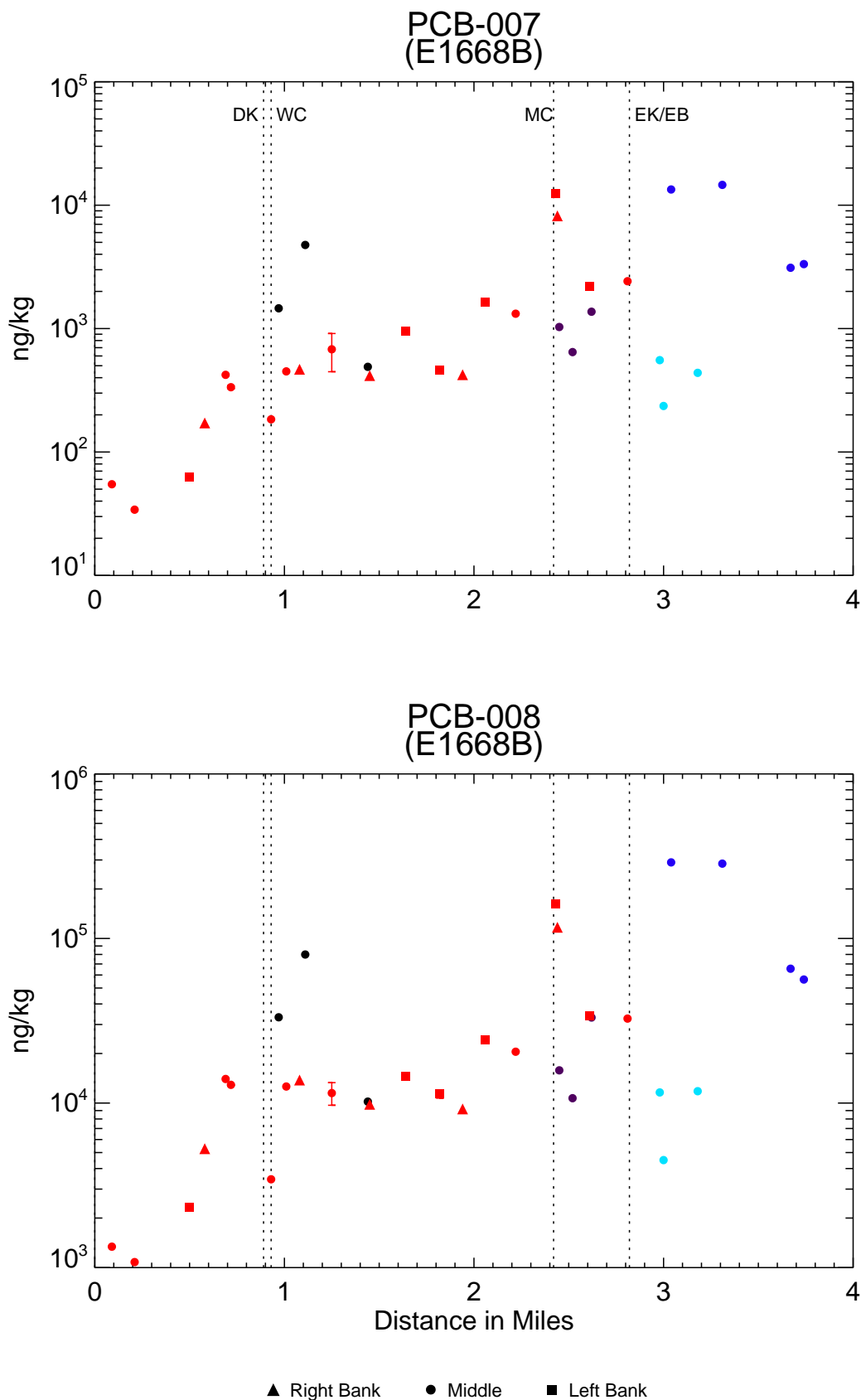
**Figure A4-189**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

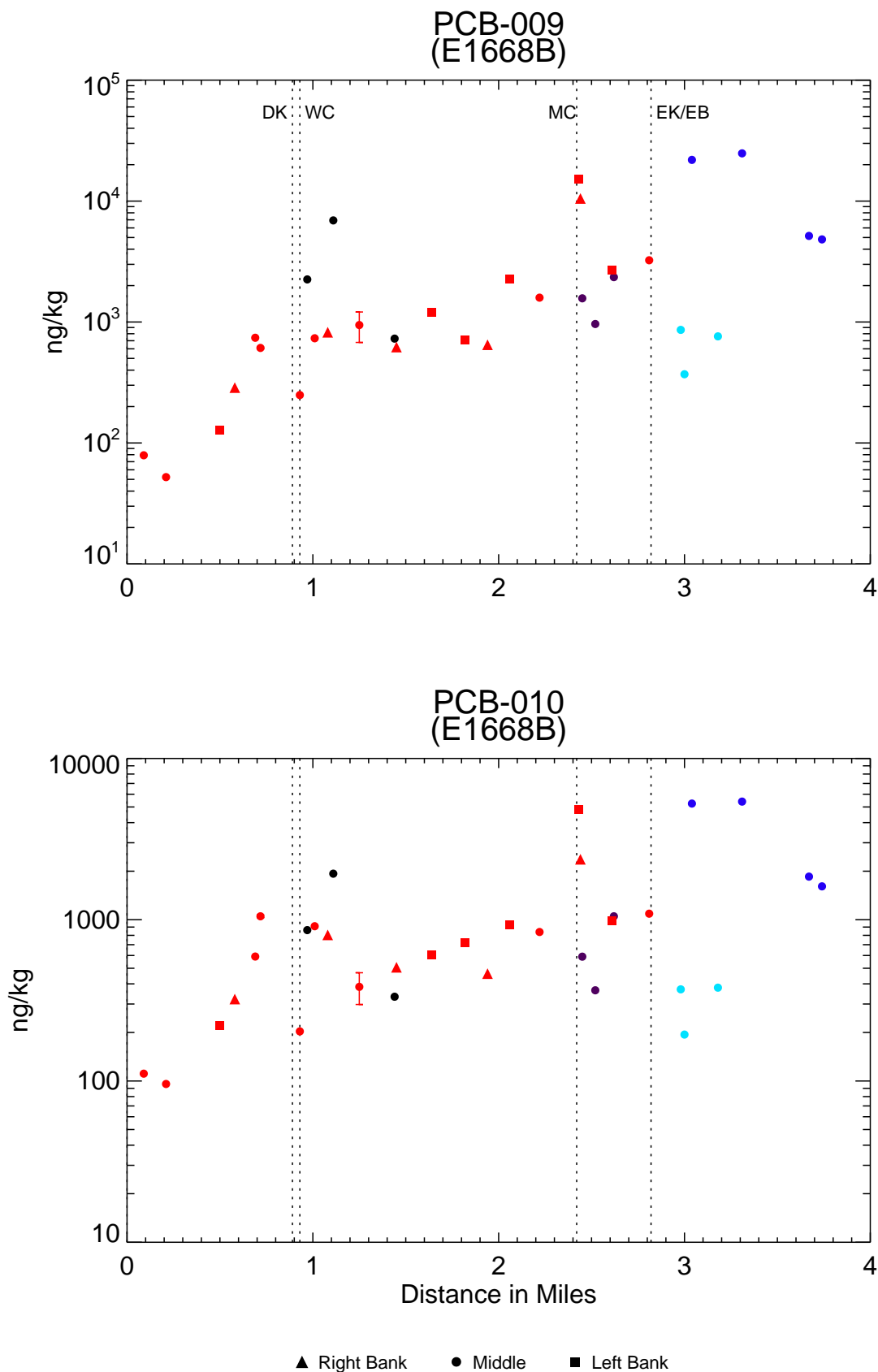
**Figure A4-190**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

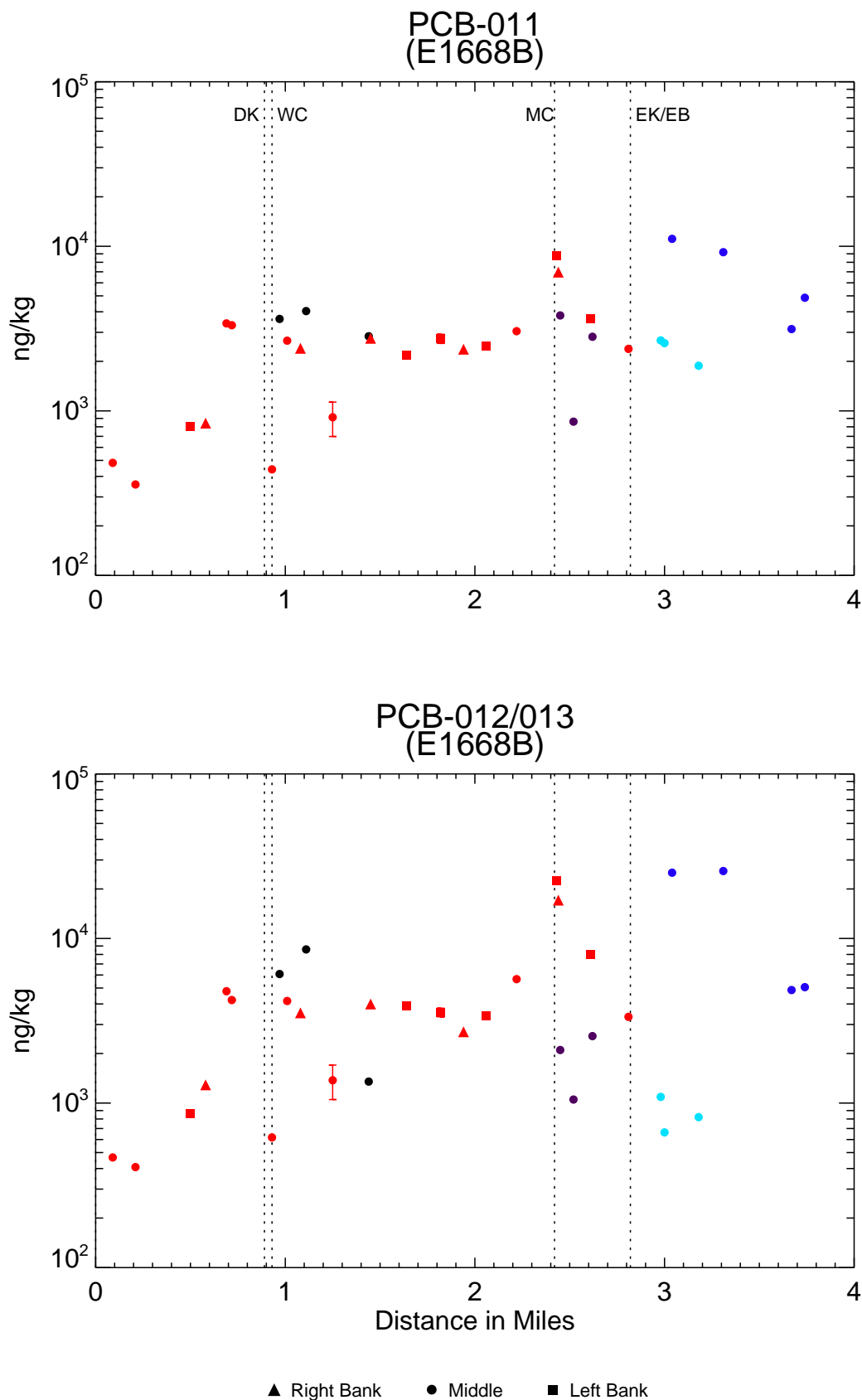
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-191
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

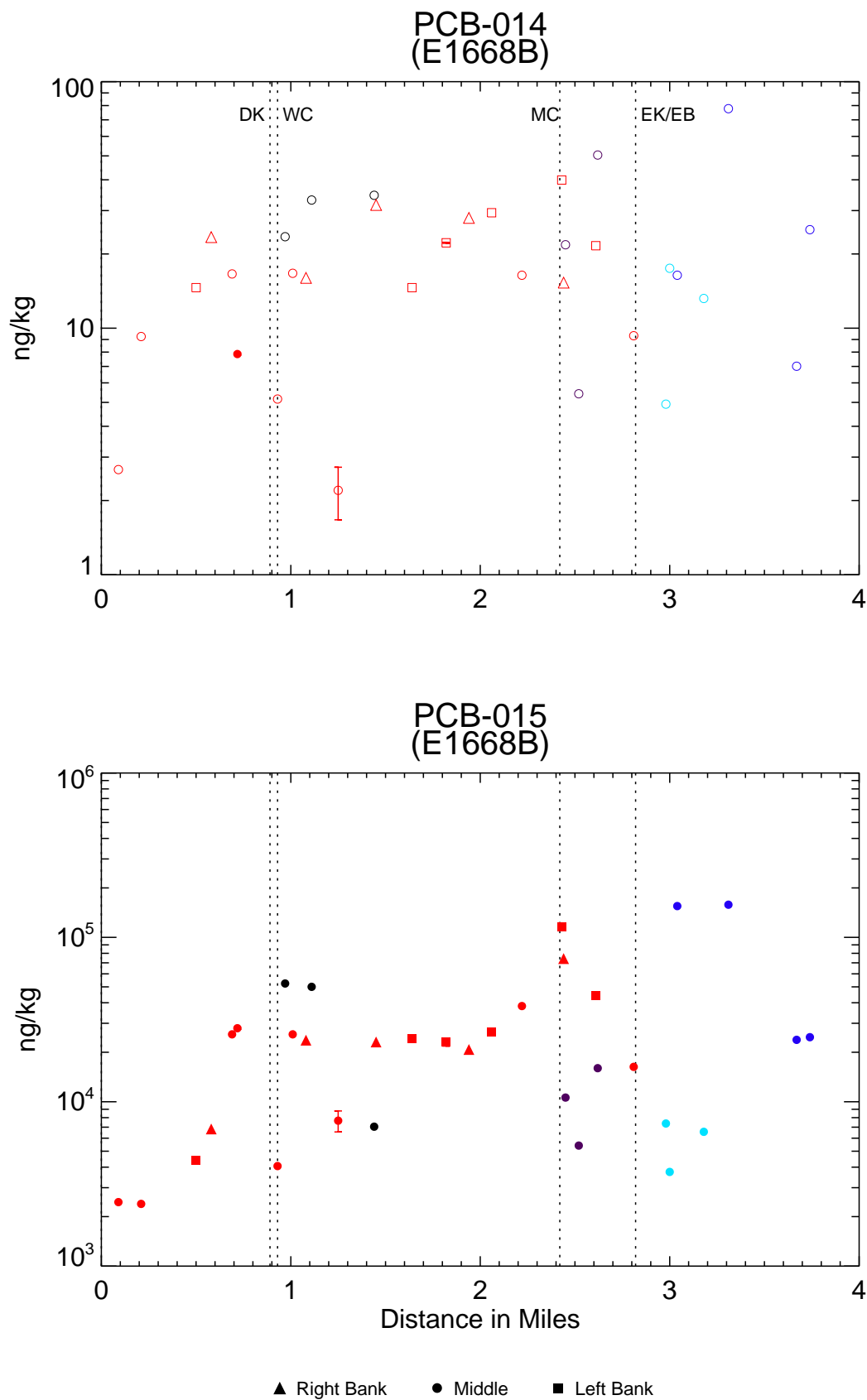
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-192
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

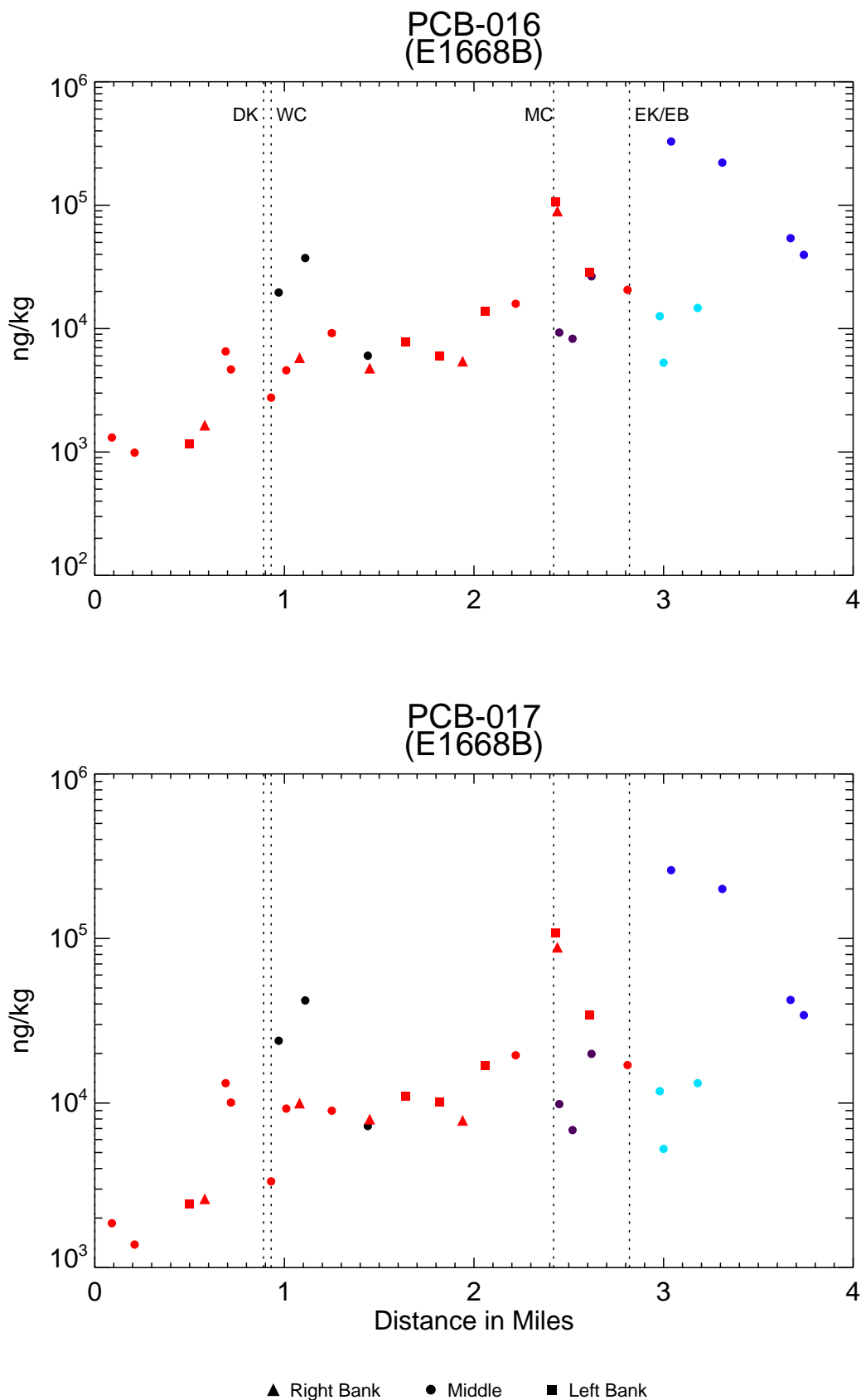
**Figure A4-193**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

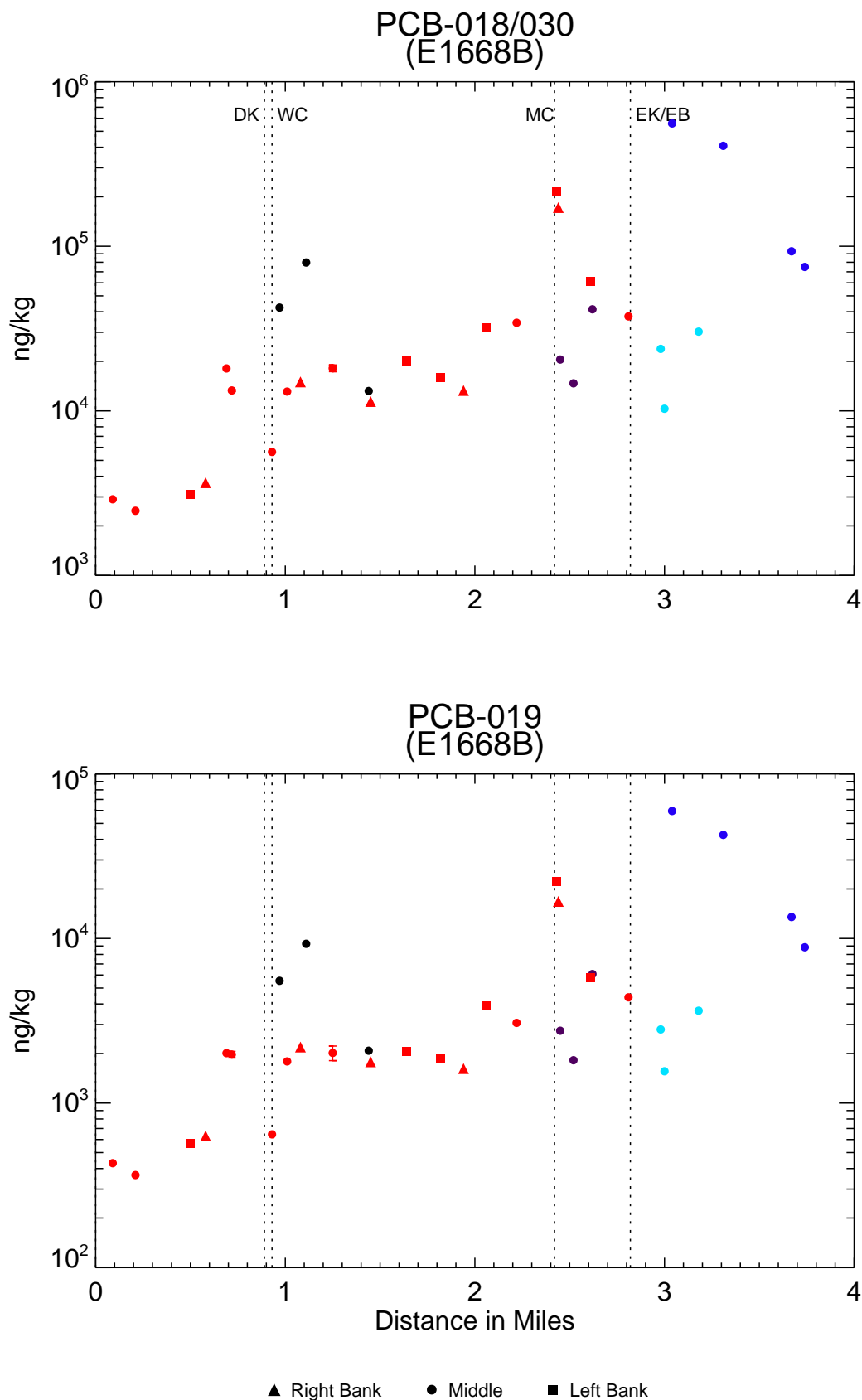
**Figure A4-194**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

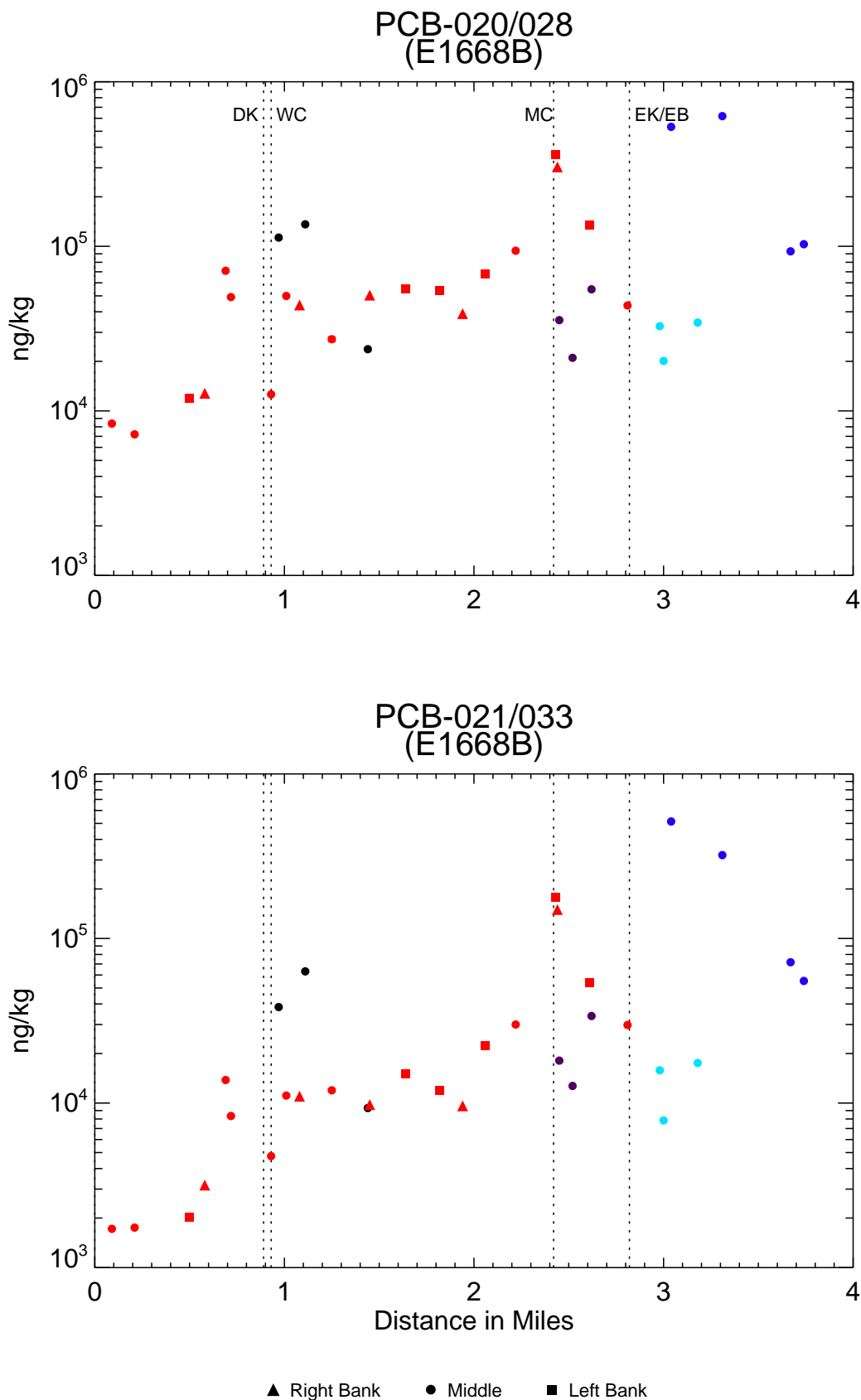
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-195
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

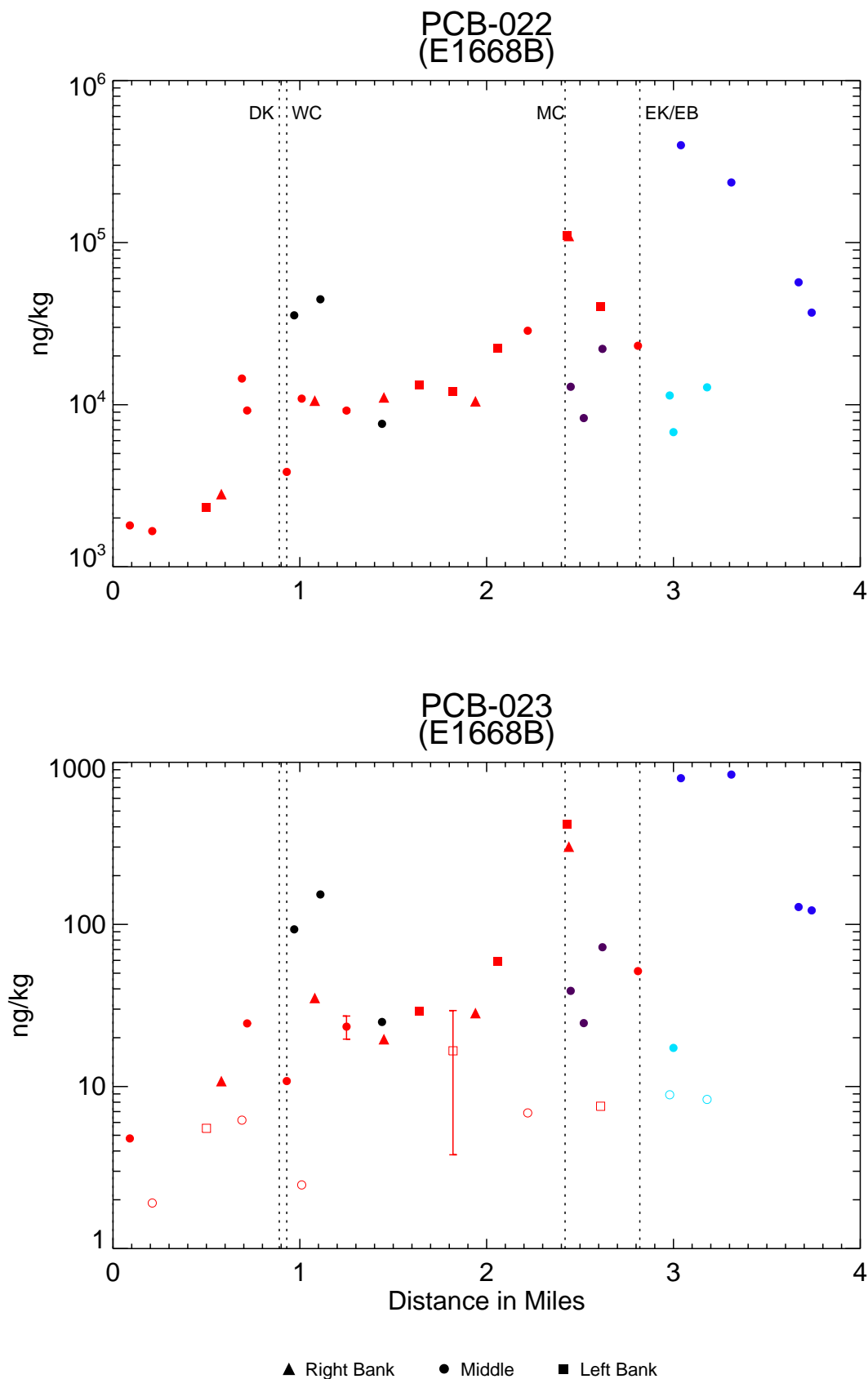
**Figure A4-196**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

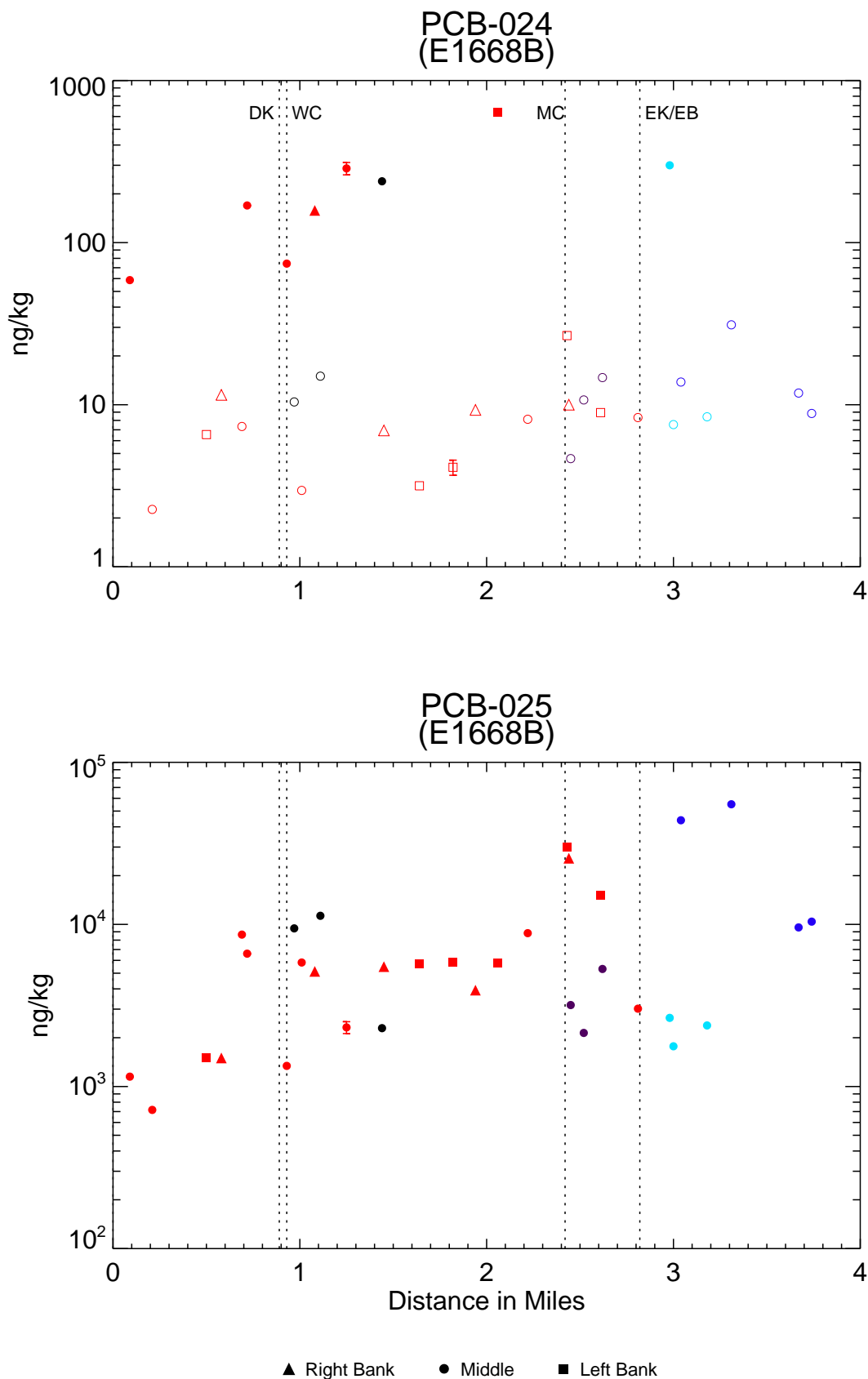
**Figure A4-197**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

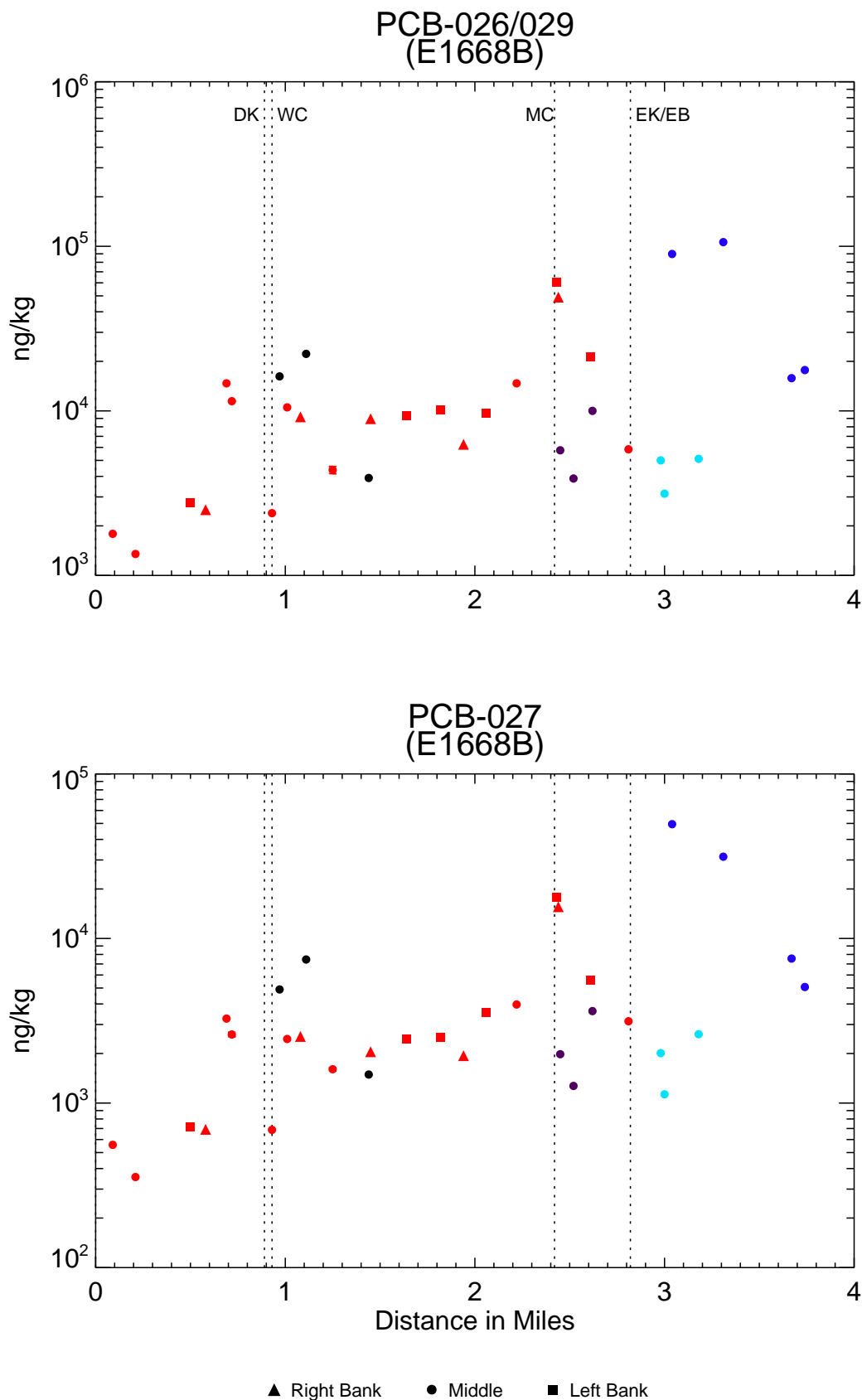
**Figure A4-198**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

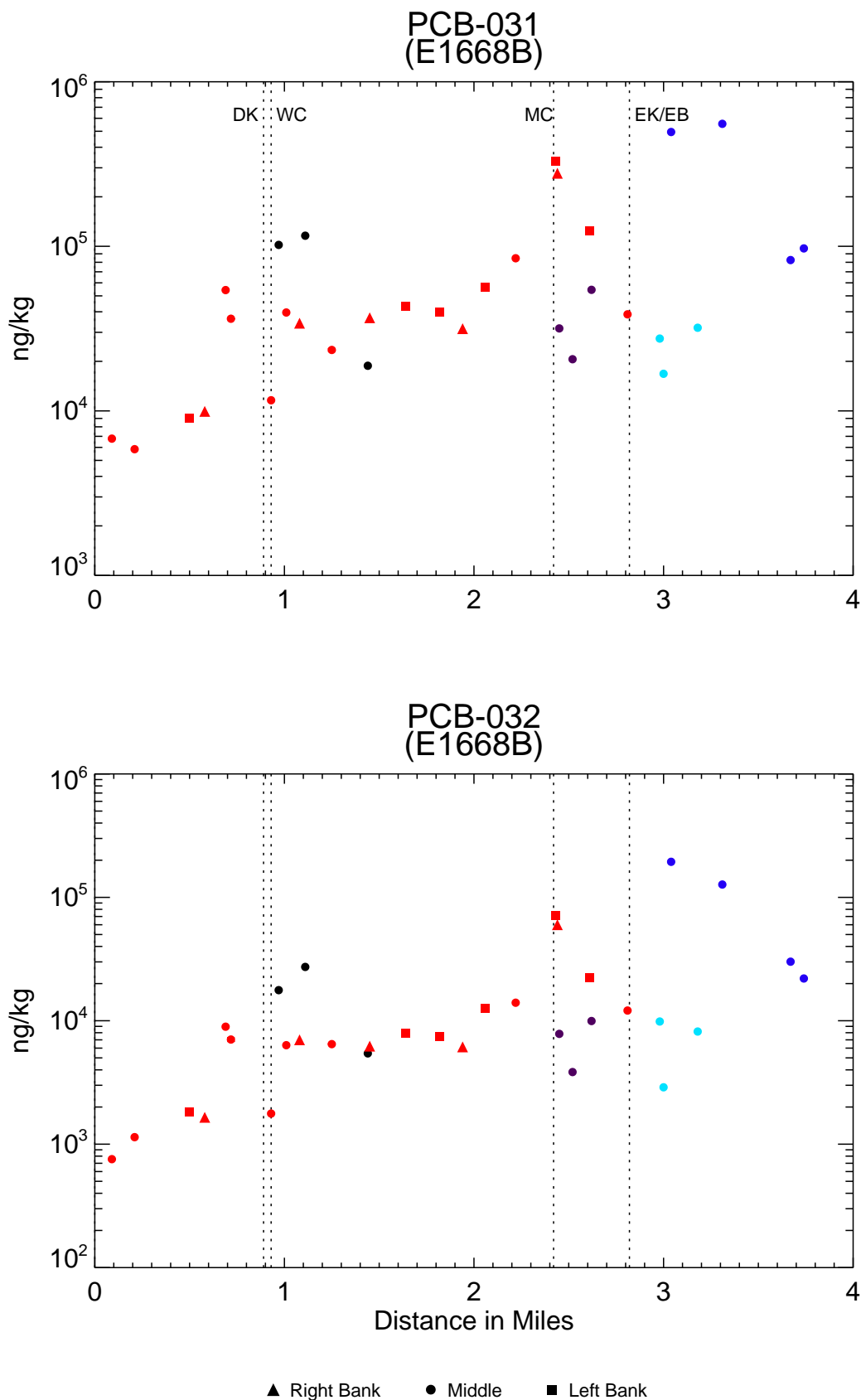
**Figure A4-199**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



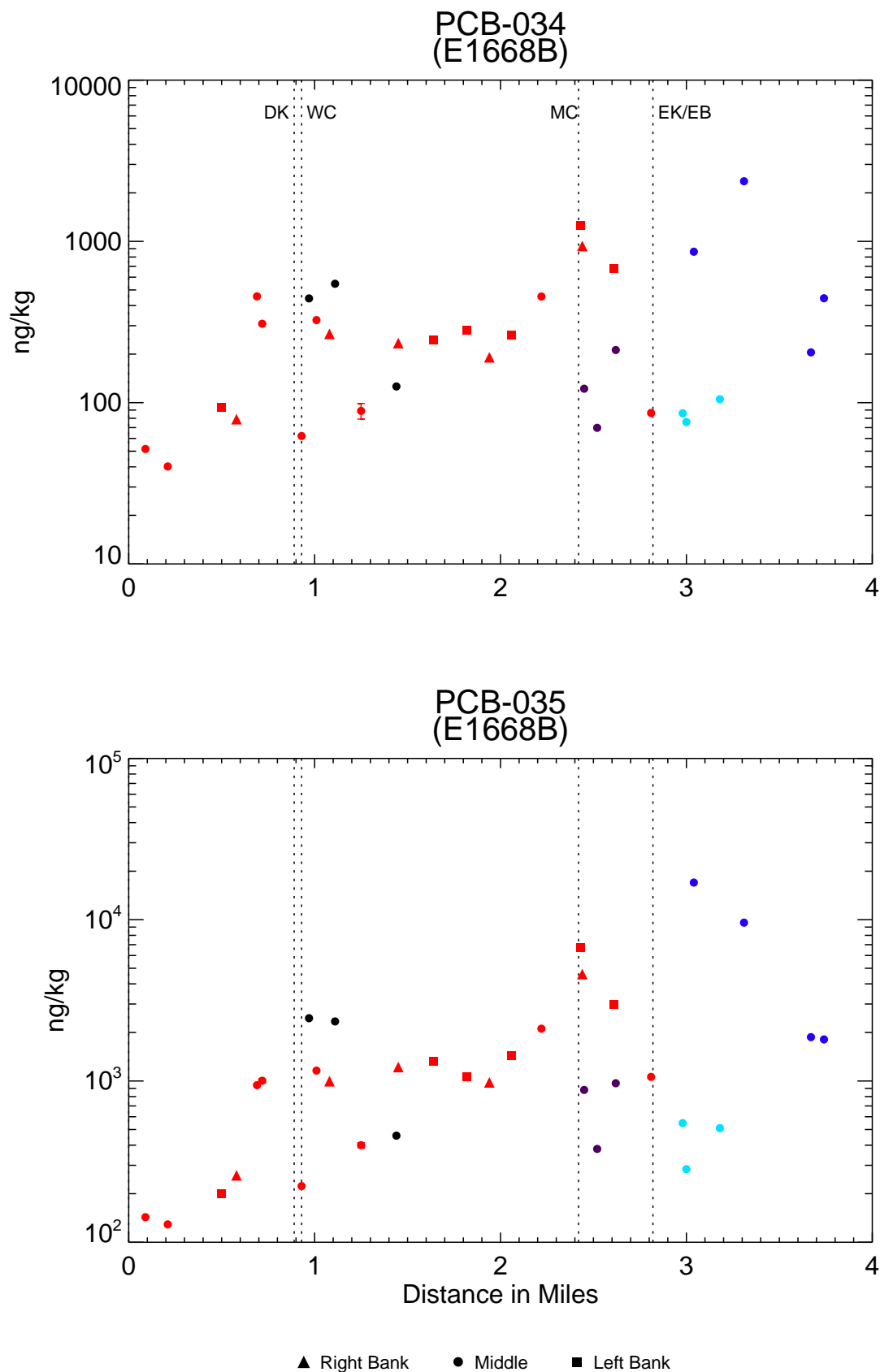
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-200
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

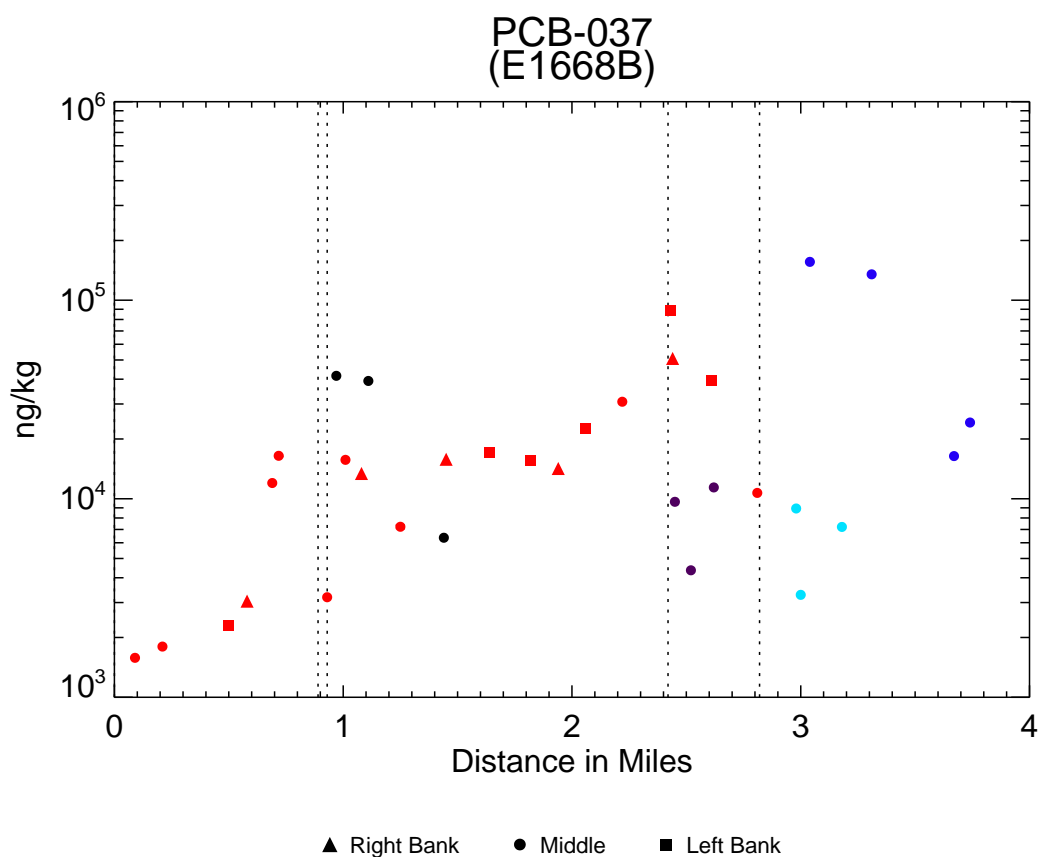
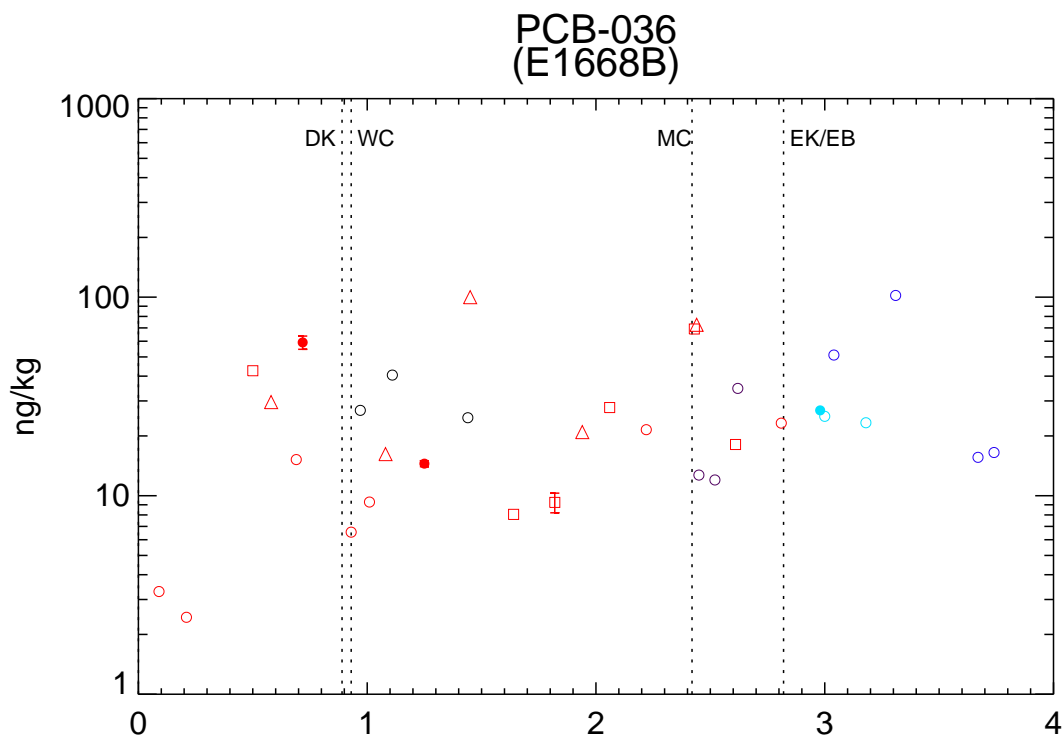
**Figure A4-201**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

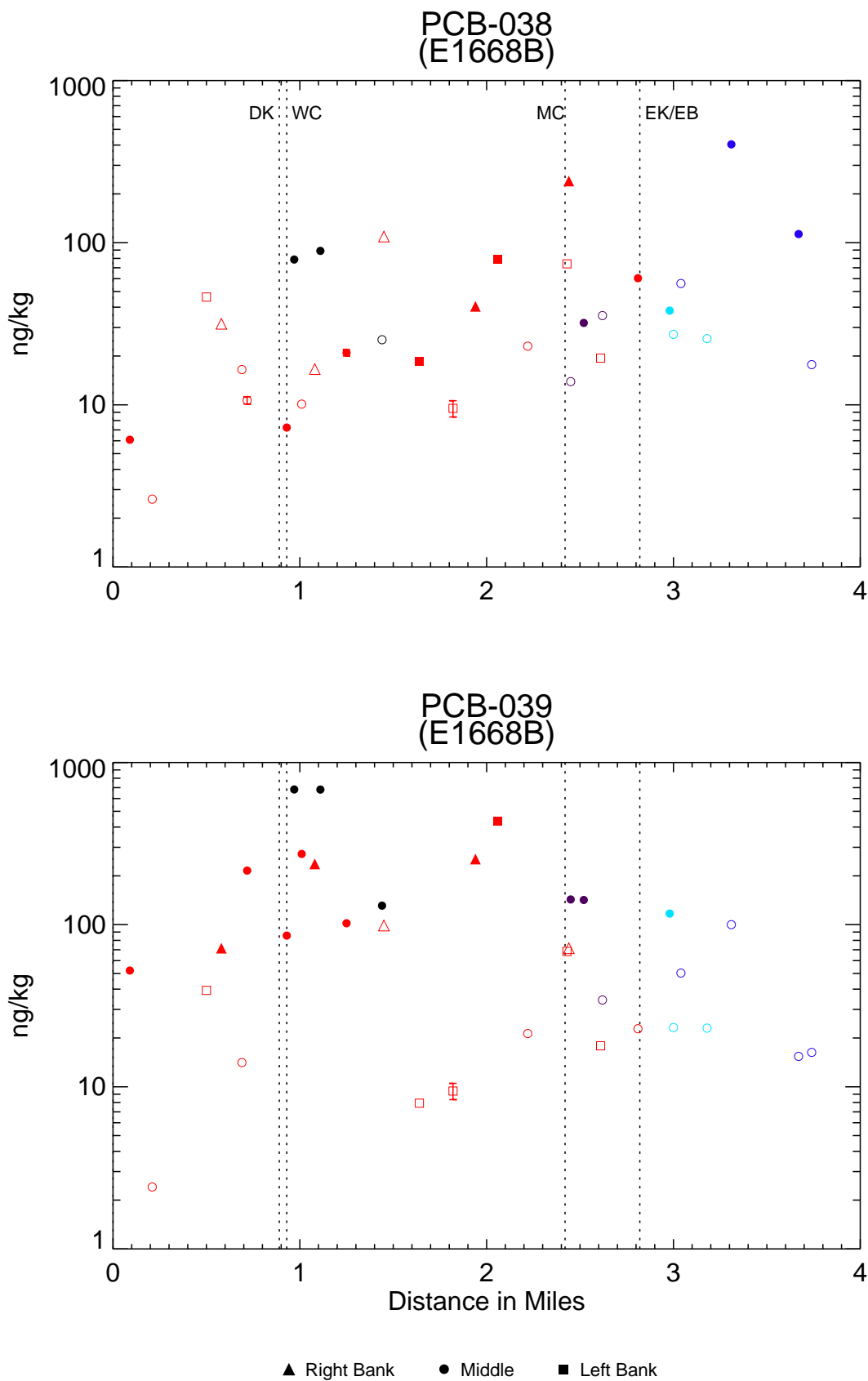
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-202
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

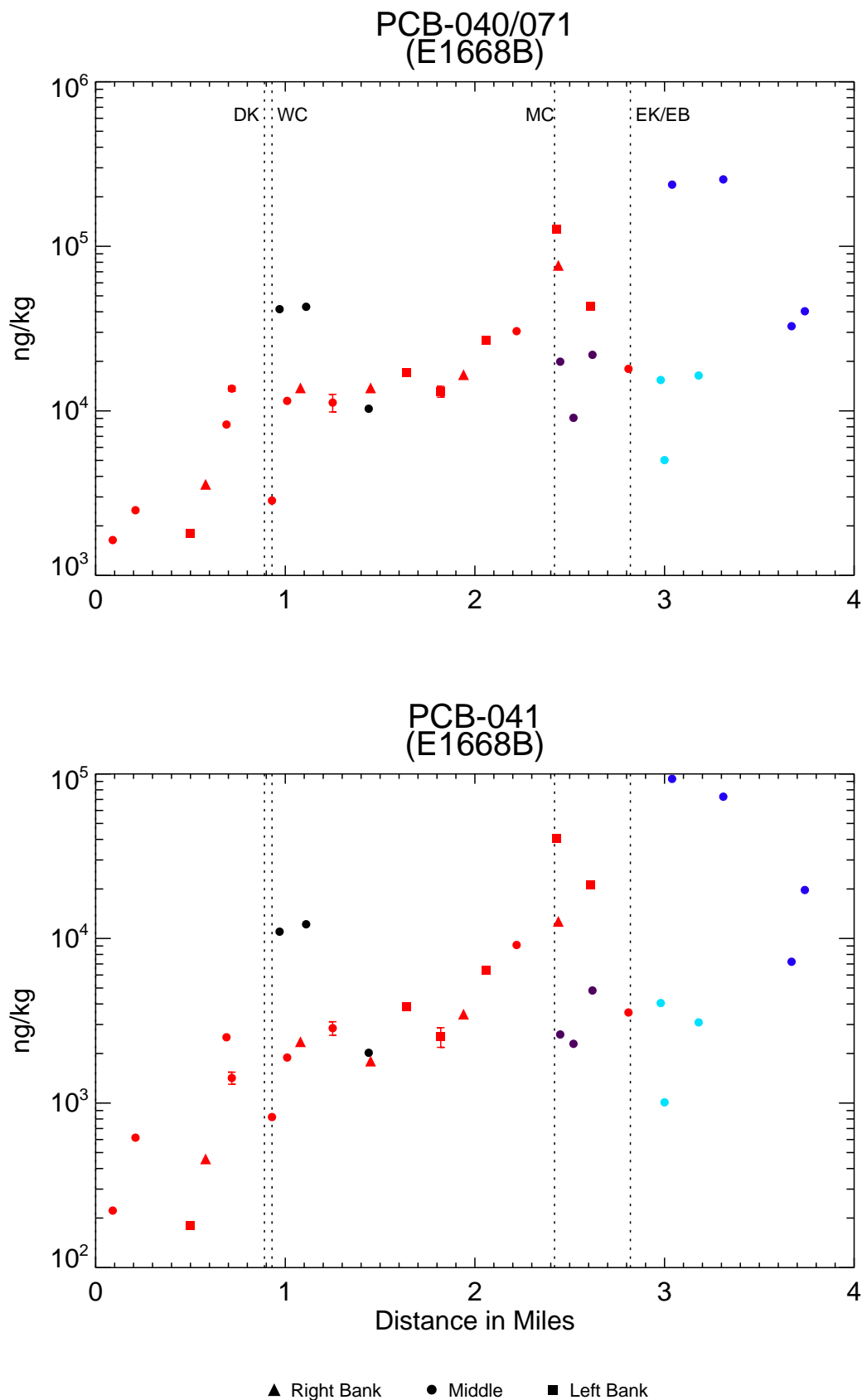
**Figure A4-203**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

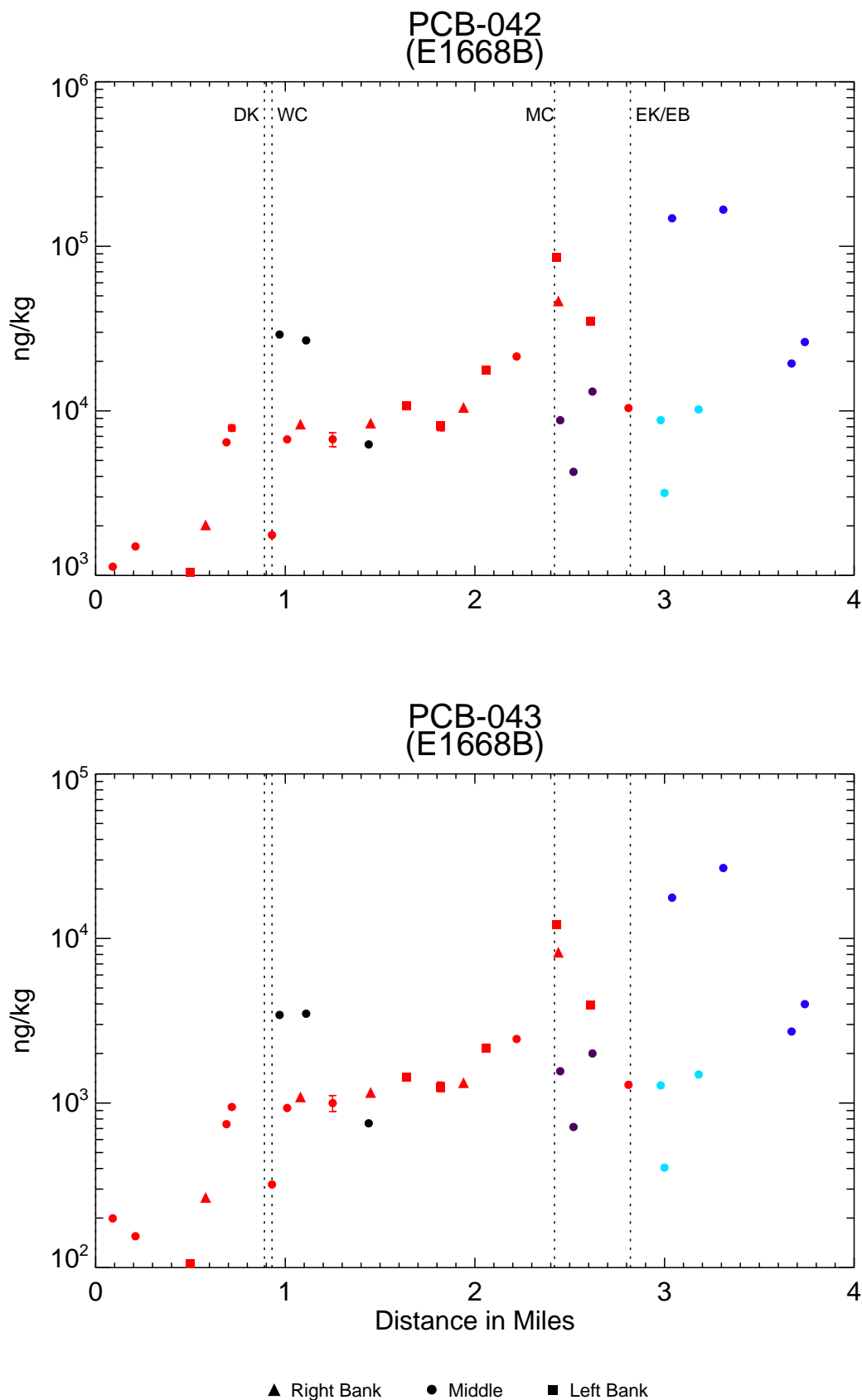
**Figure A4-204**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

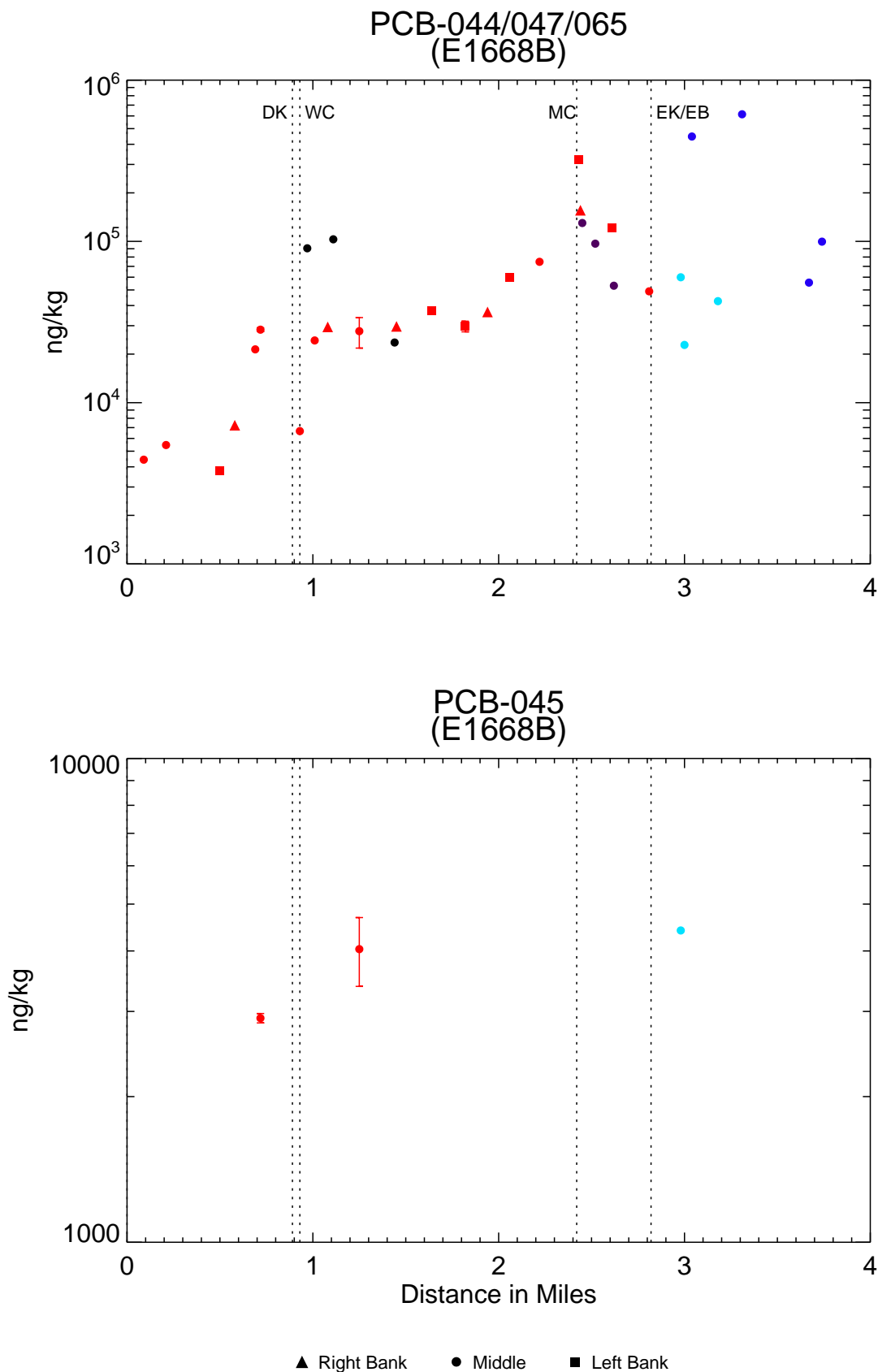
**Figure A4-205**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

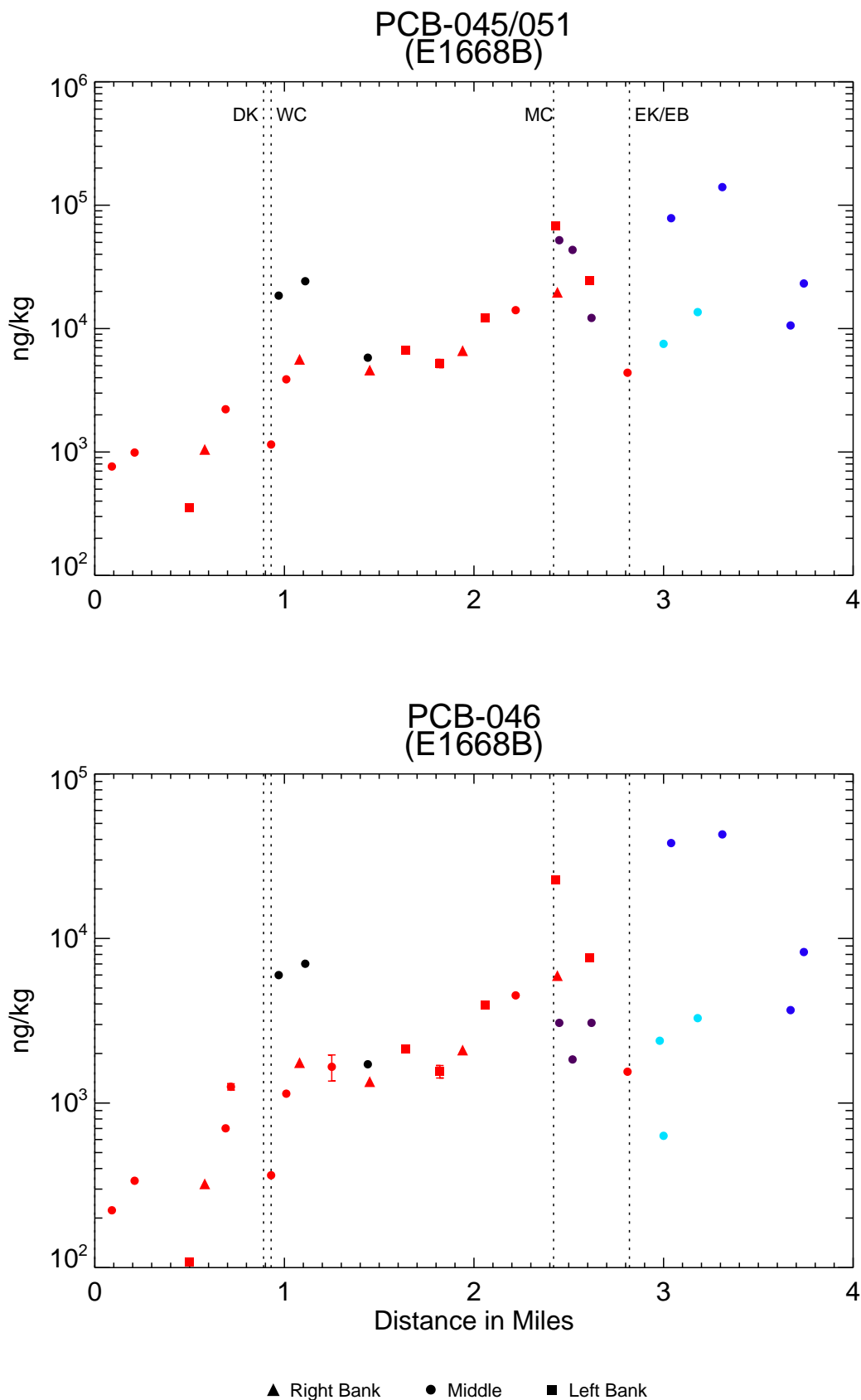
**Figure A4-206**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



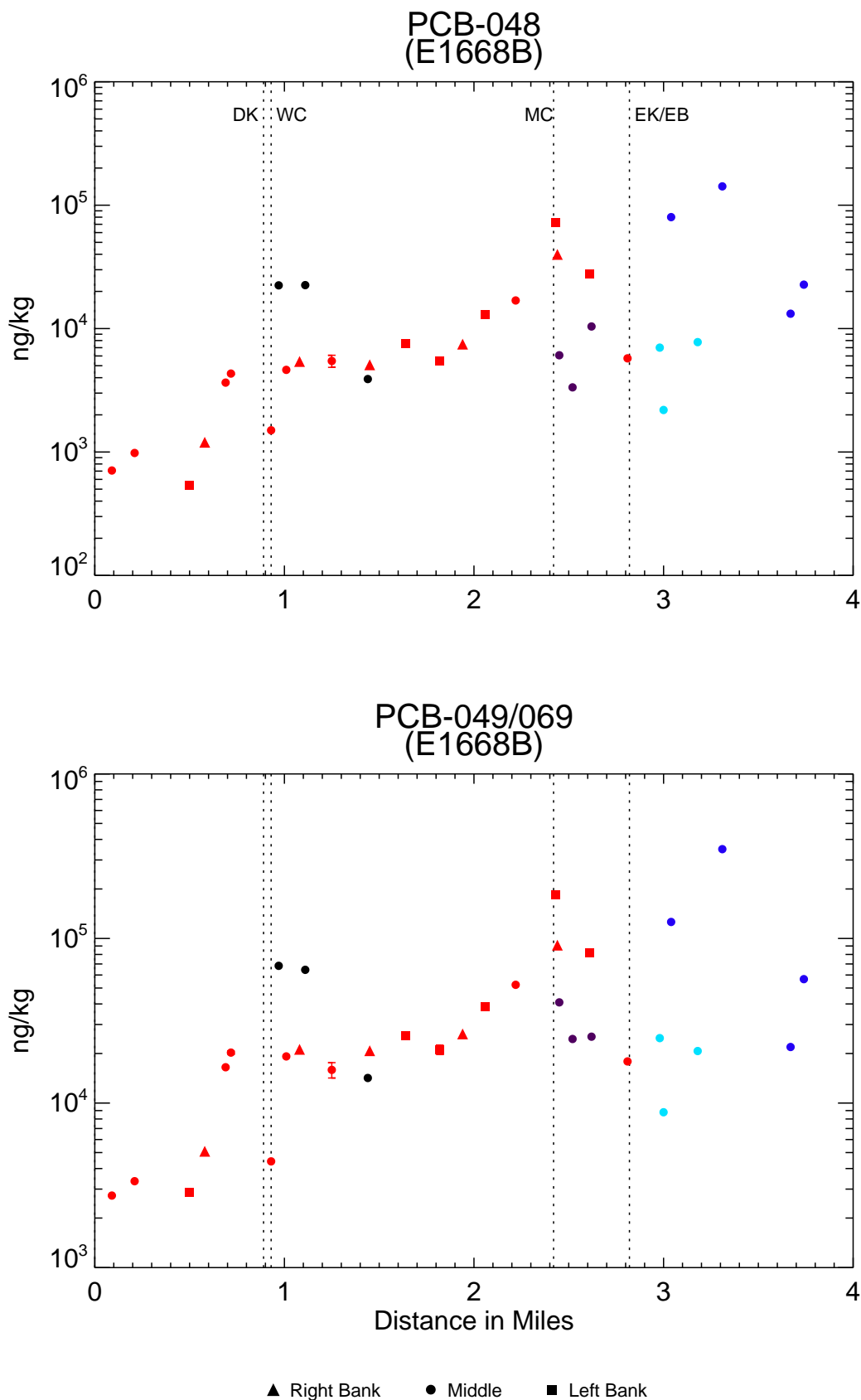
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-207
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

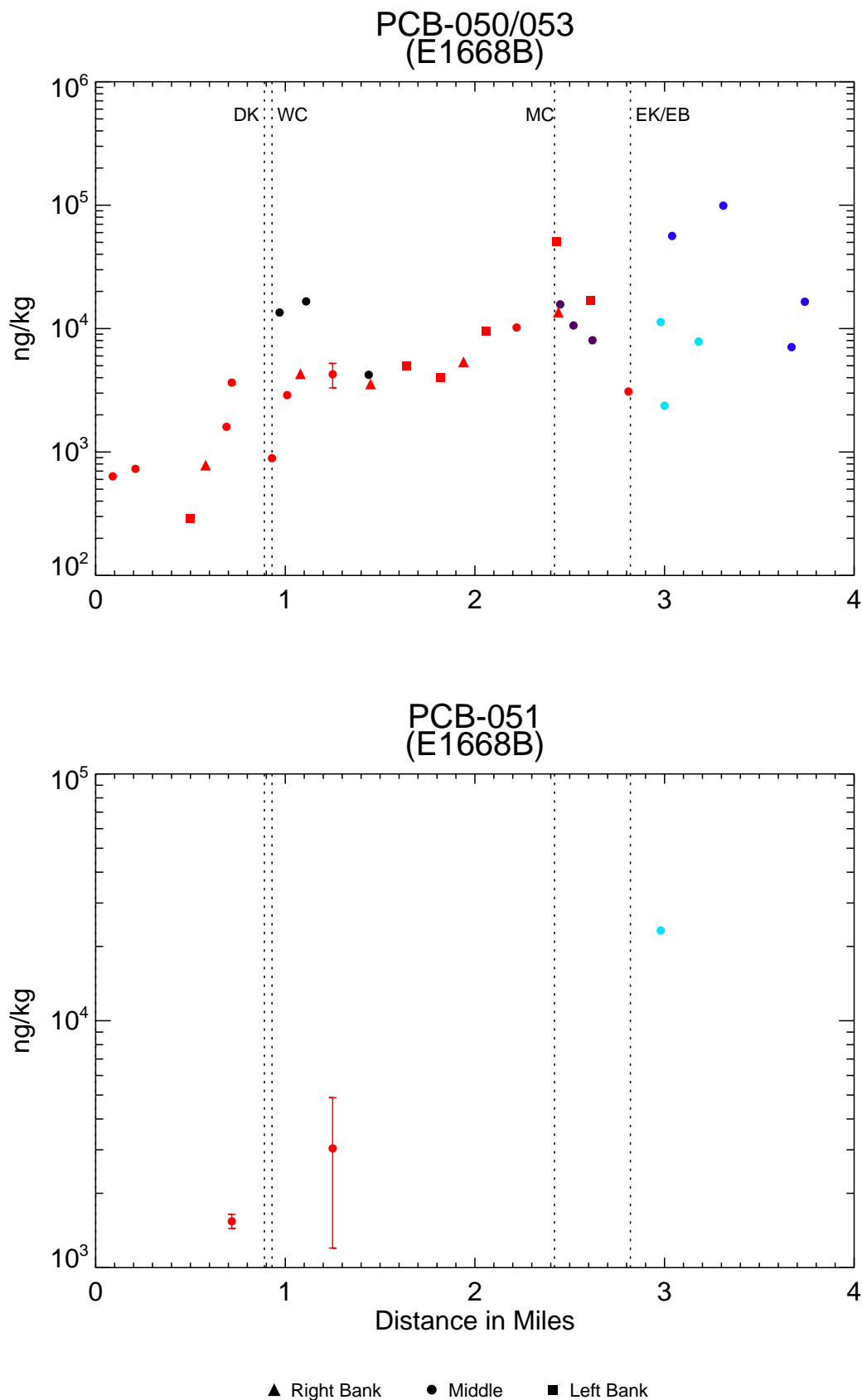
**Figure A4-208**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

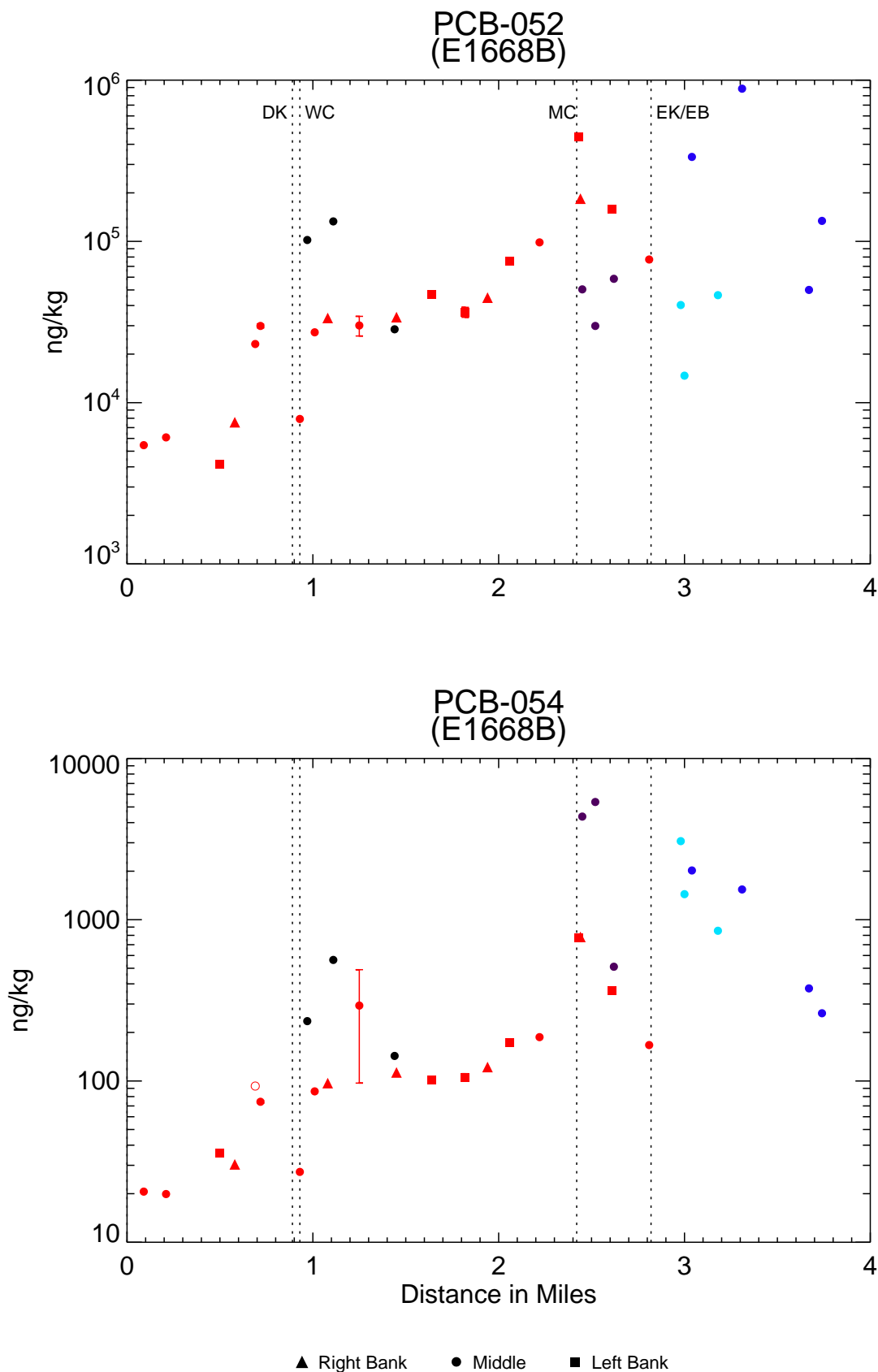
**Figure A4-209**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

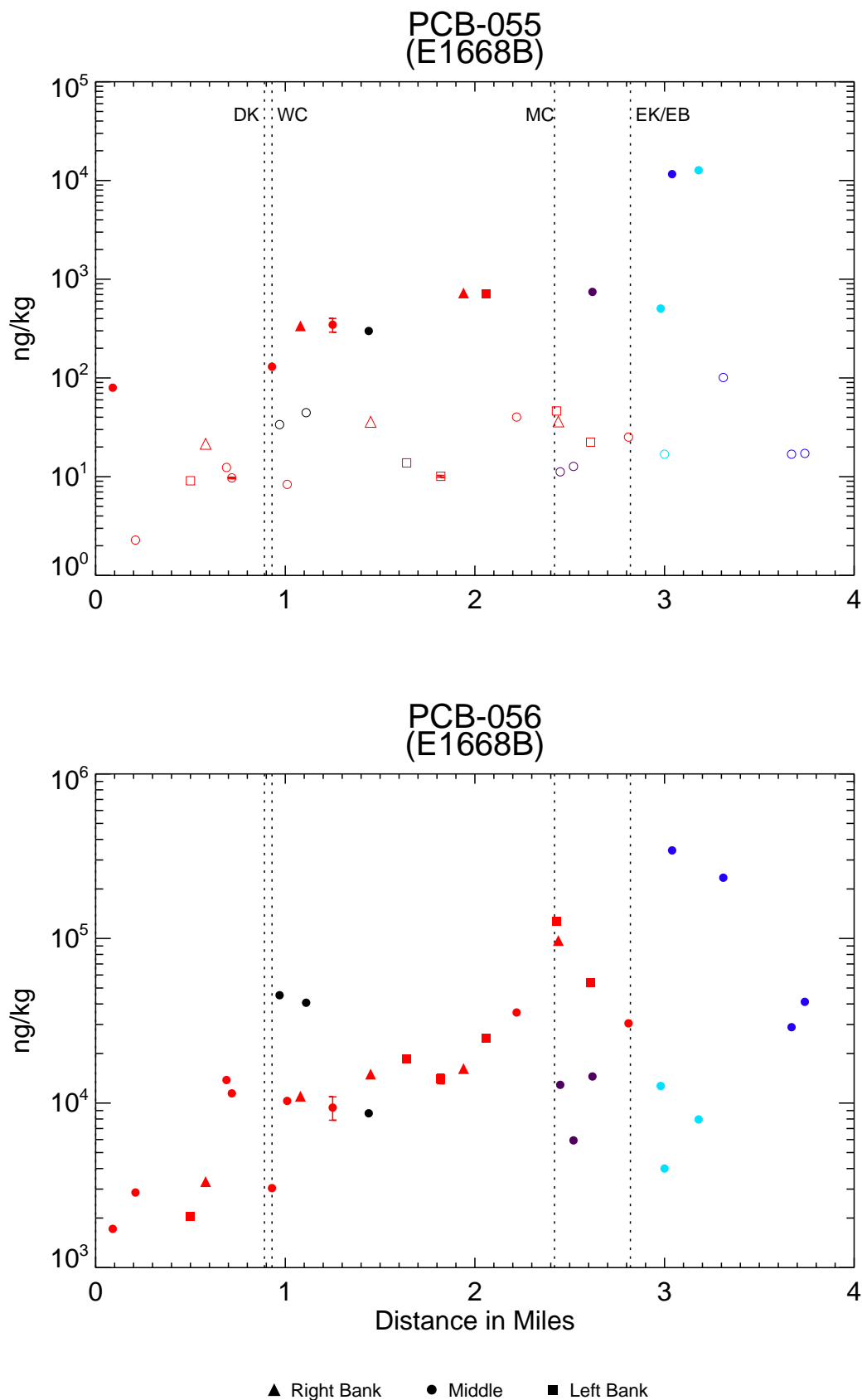
**Figure A4-210**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

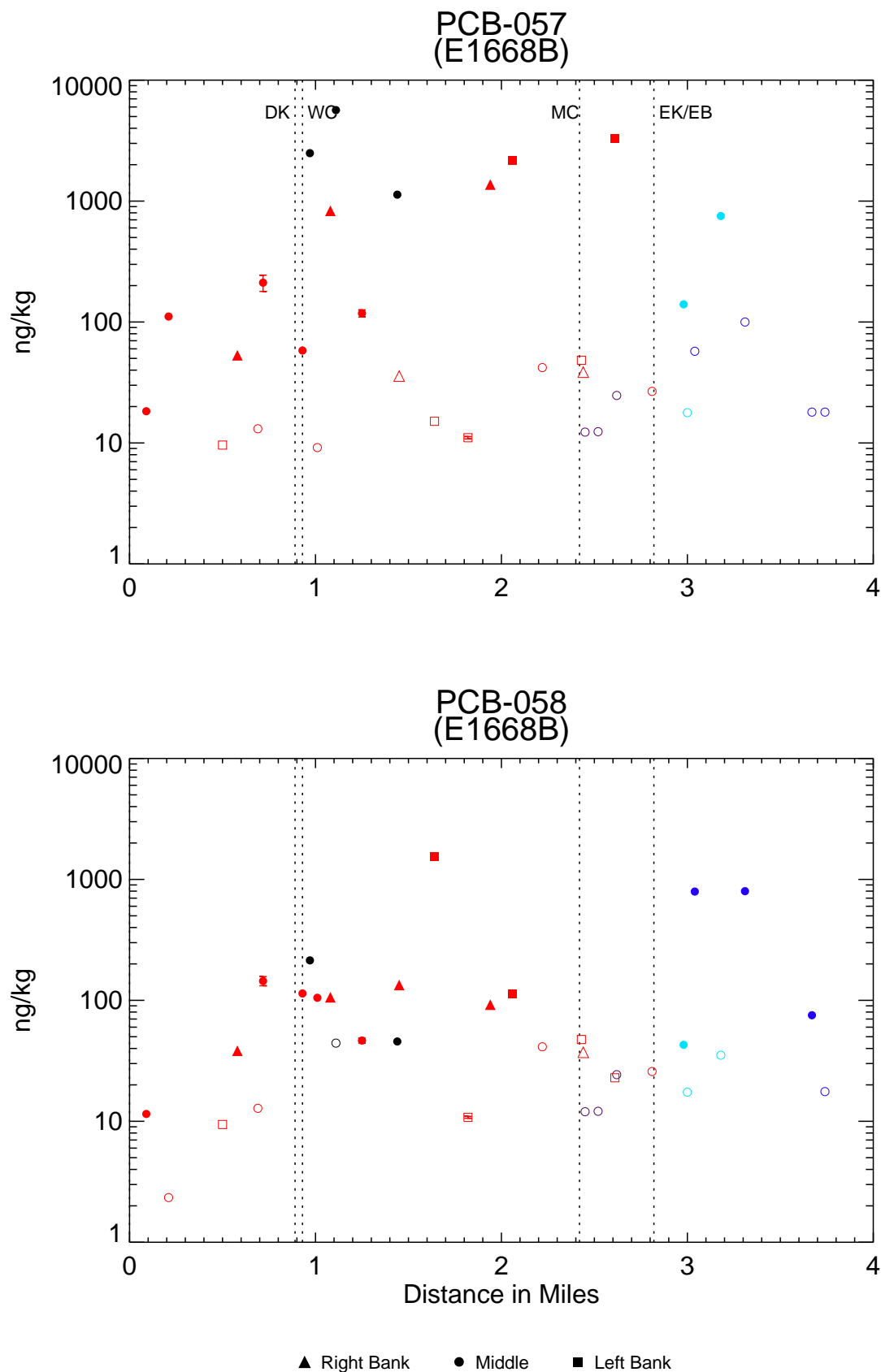
**Figure A4-211**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

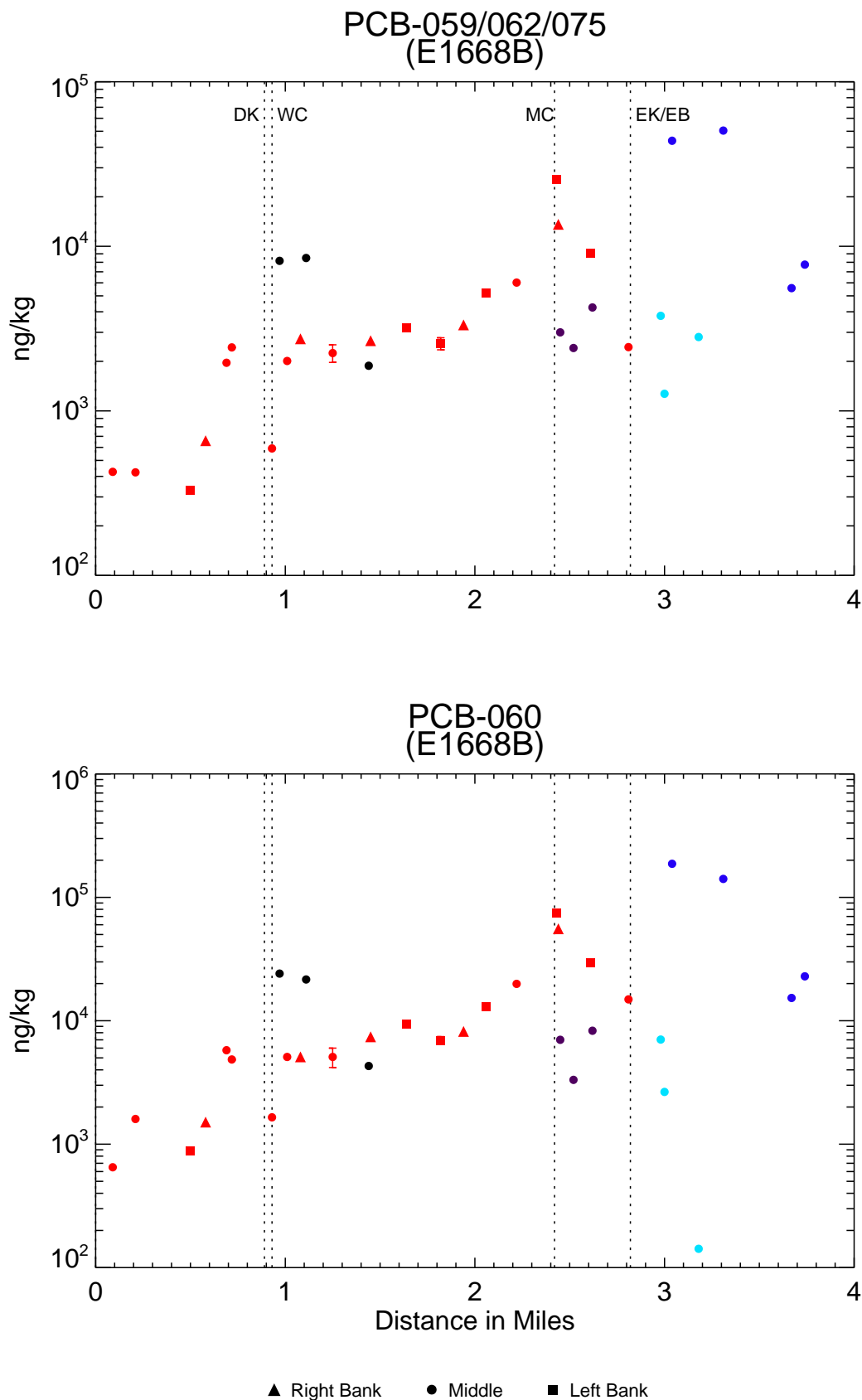
**Figure A4-212**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

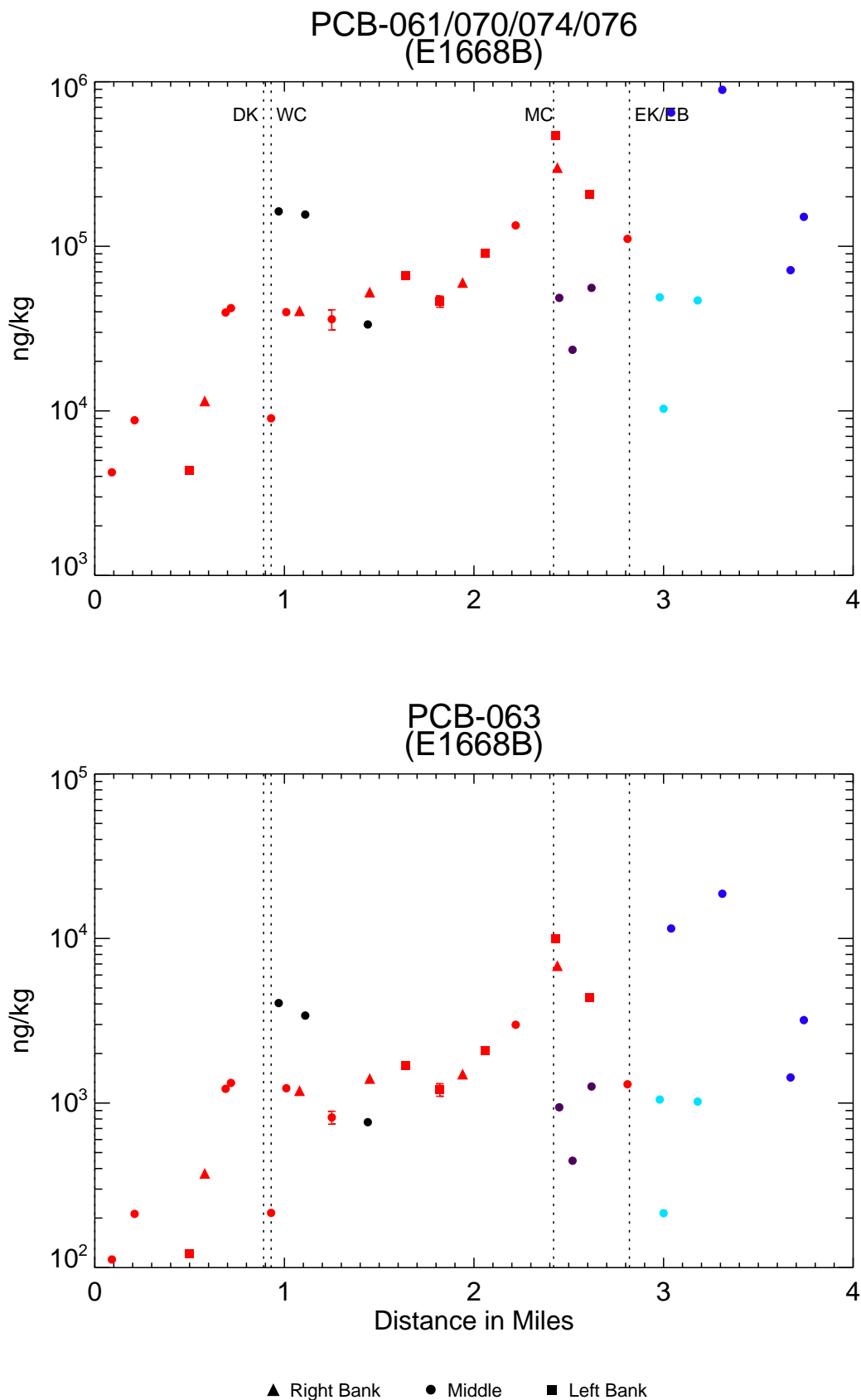
**Figure A4-213**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

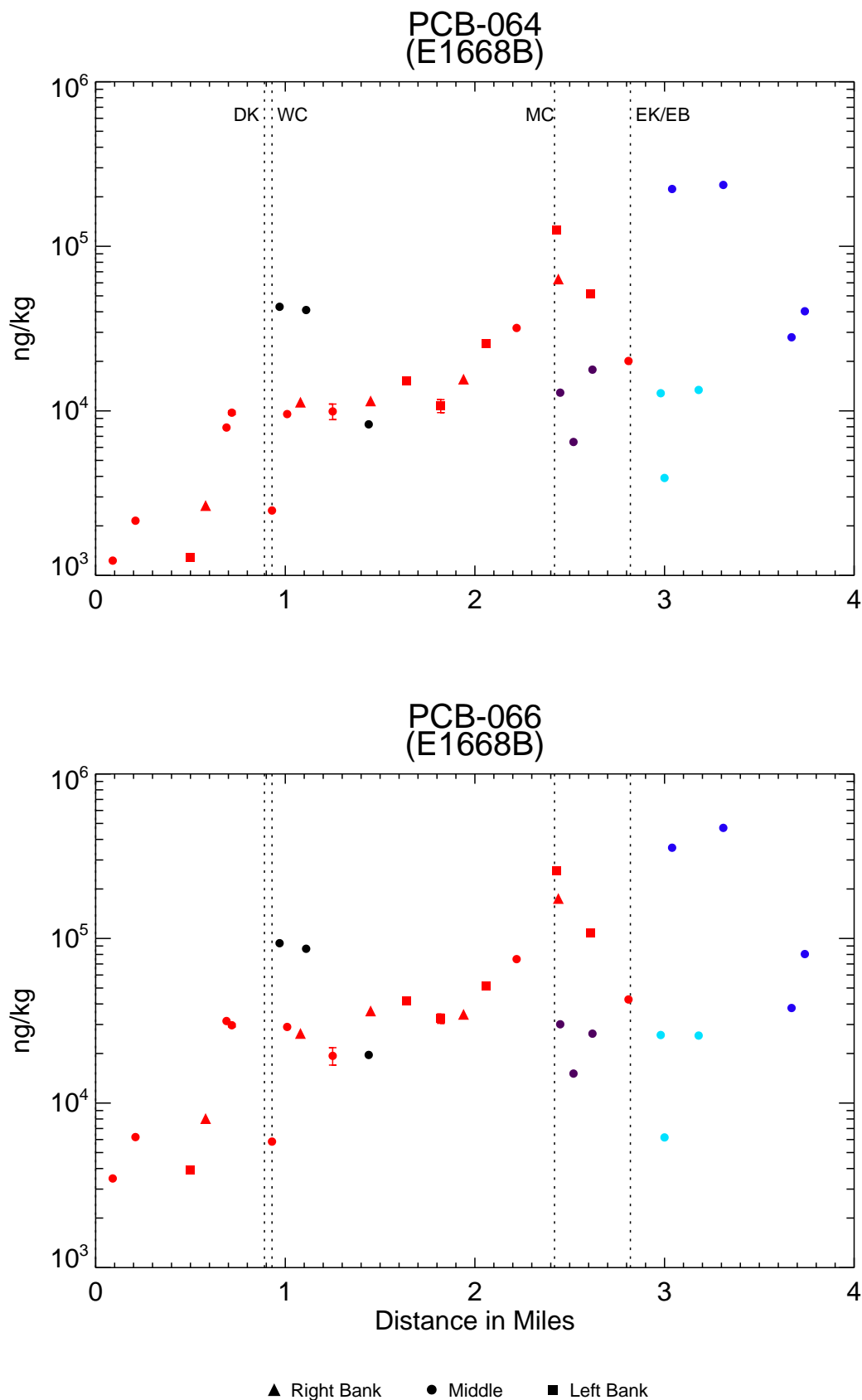
**Figure A4-214**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

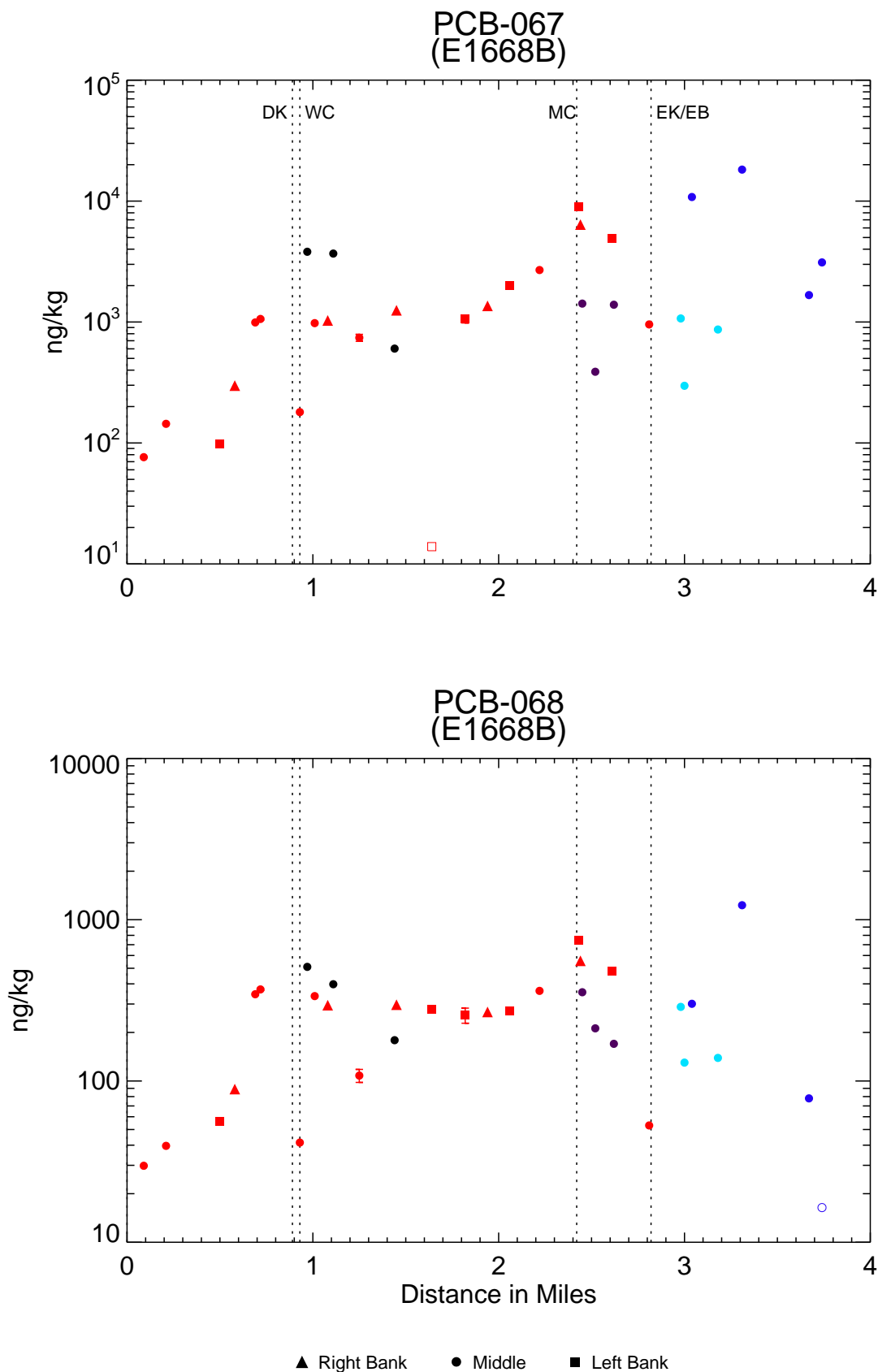
**Figure A4-215**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

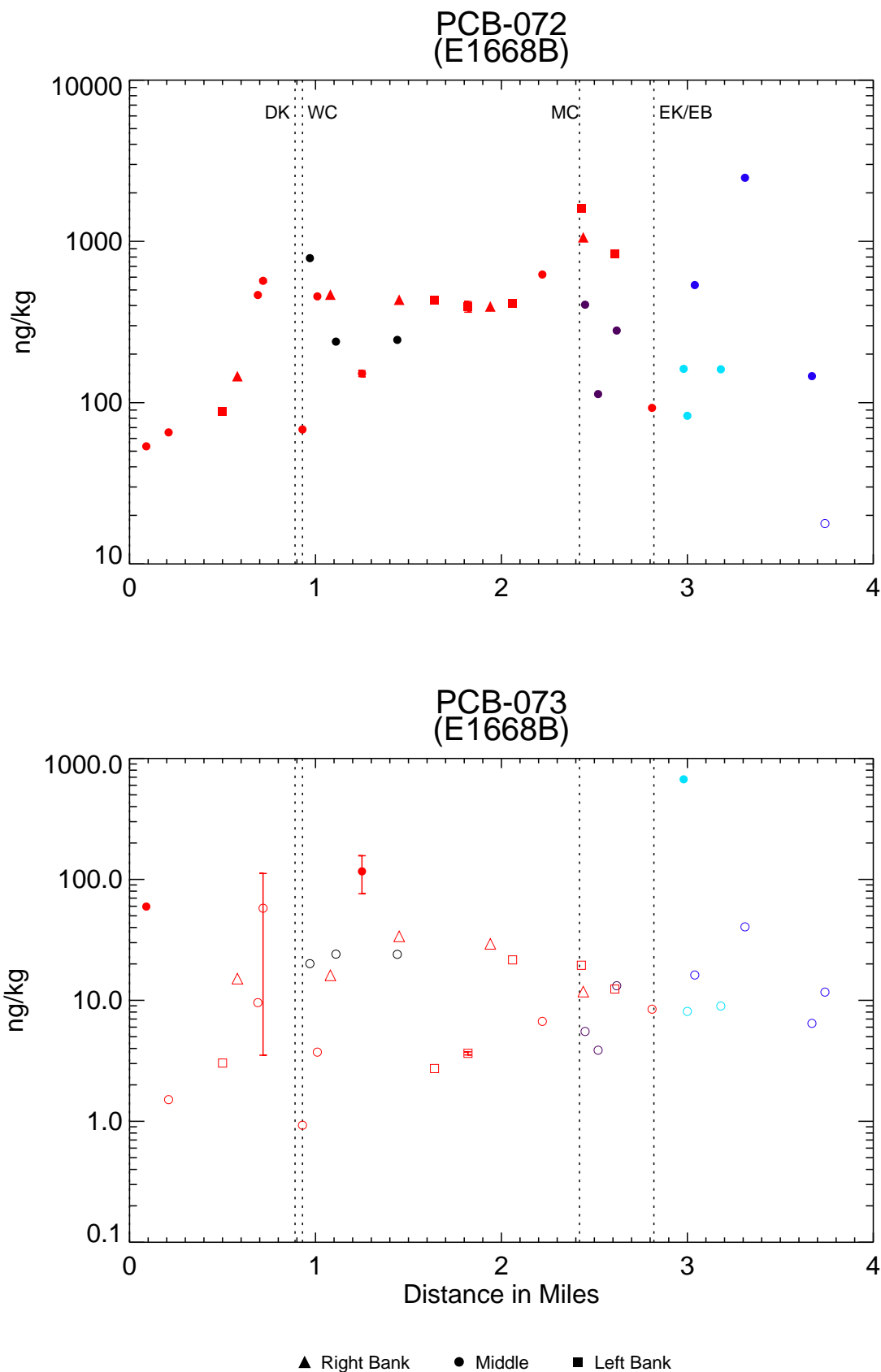
**Figure A4-216**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

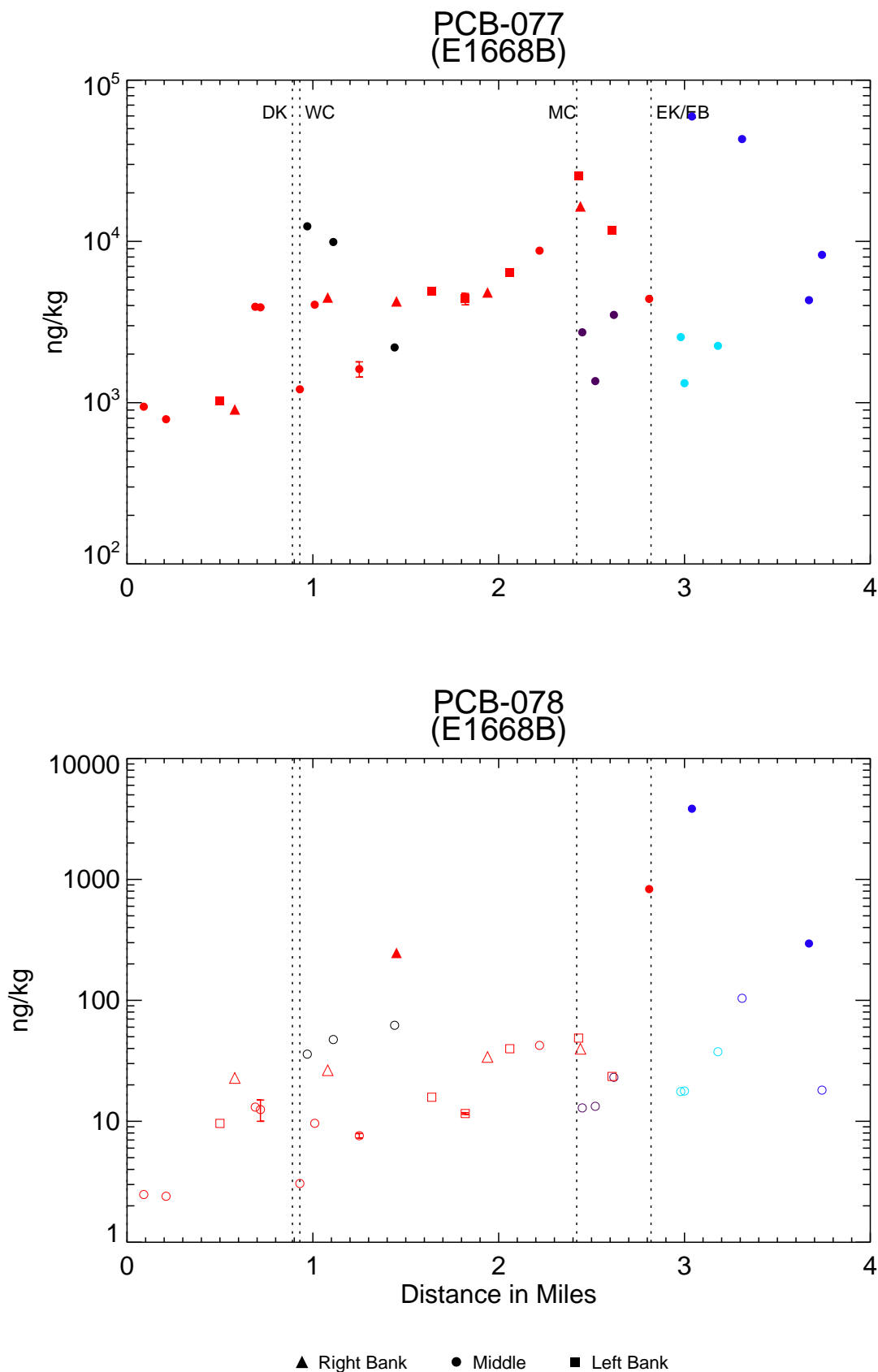
**Figure A4-217**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

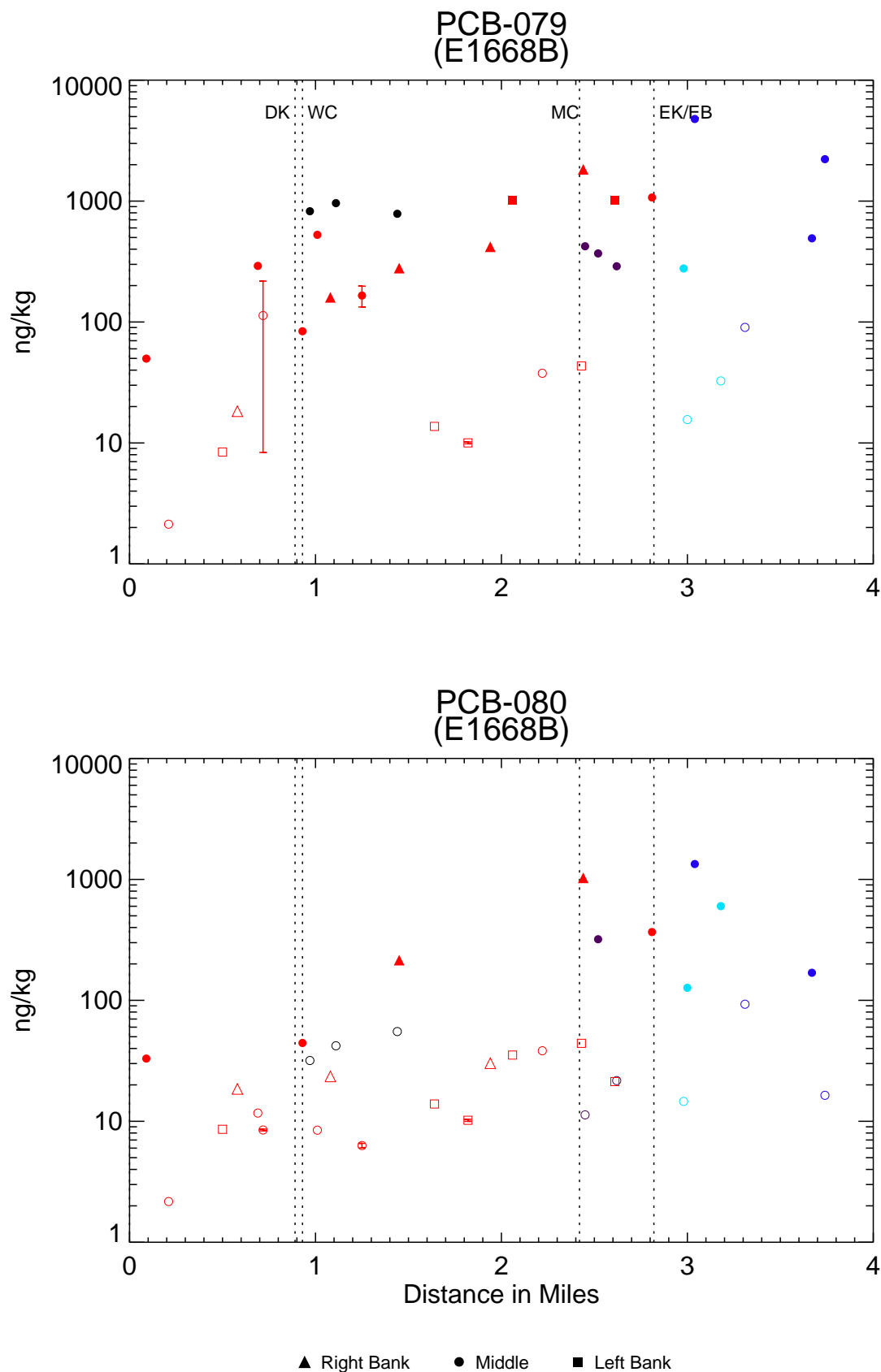
**Figure A4-218**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

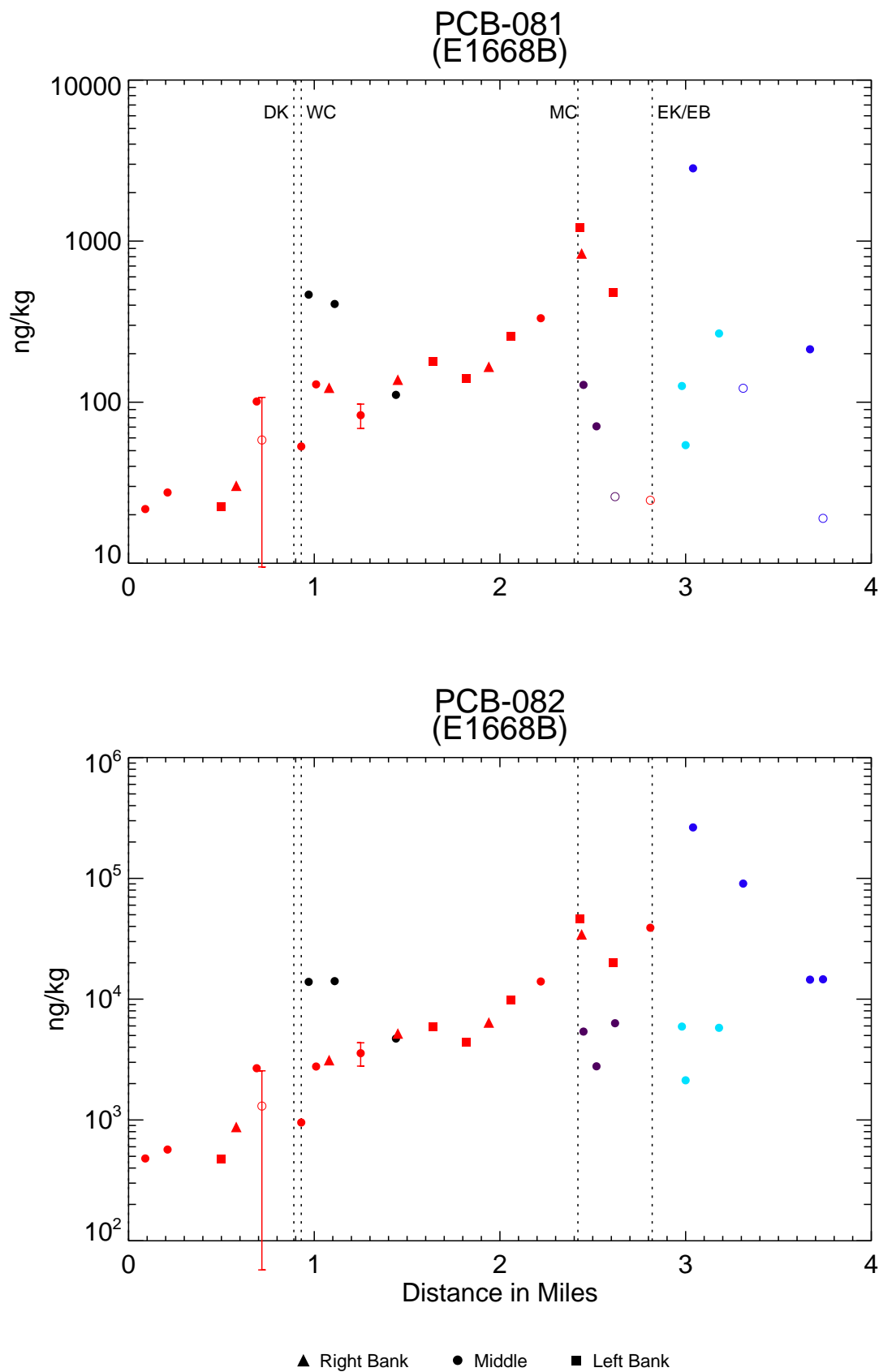
**Figure A4-219**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

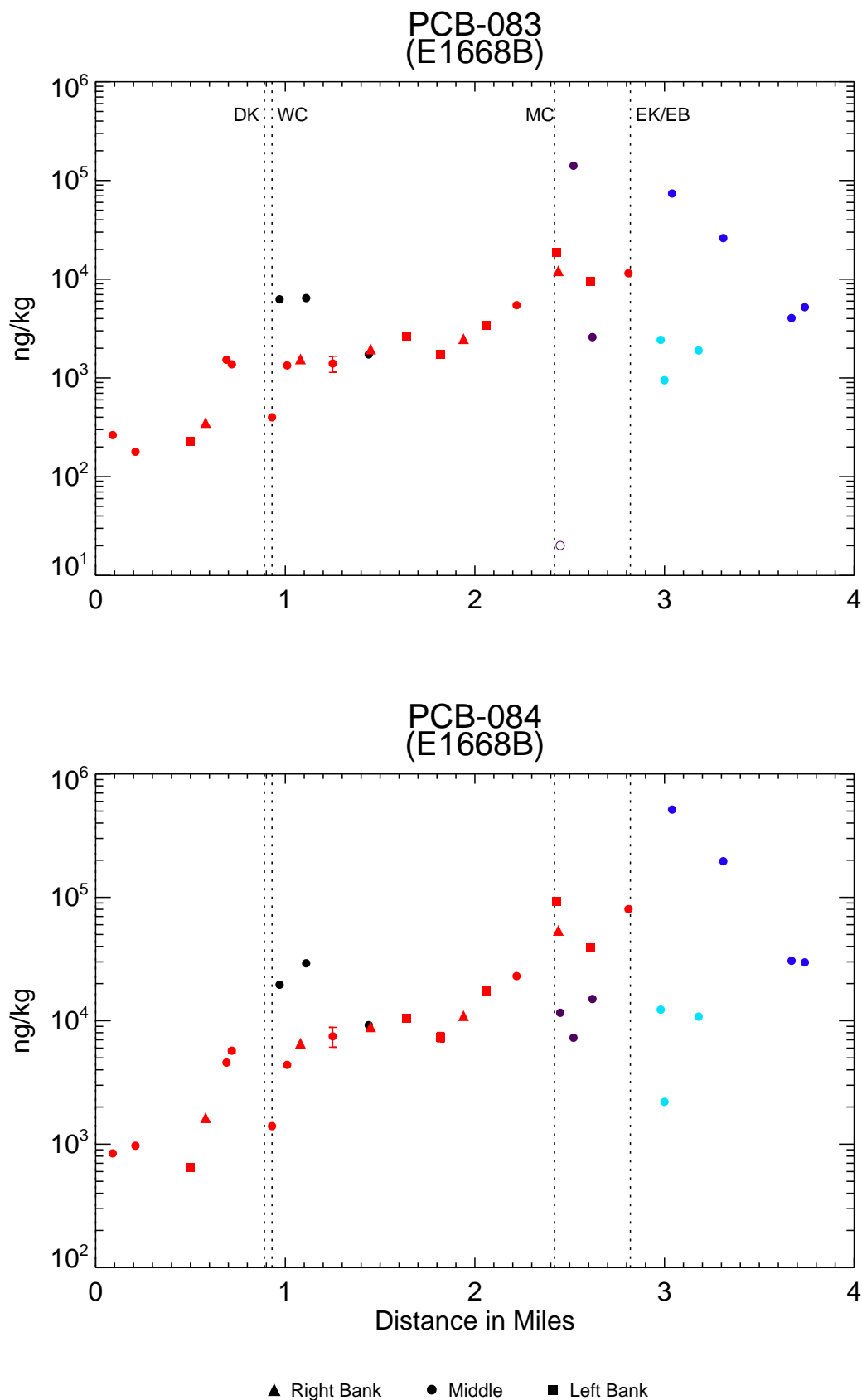
**Figure A4-220**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

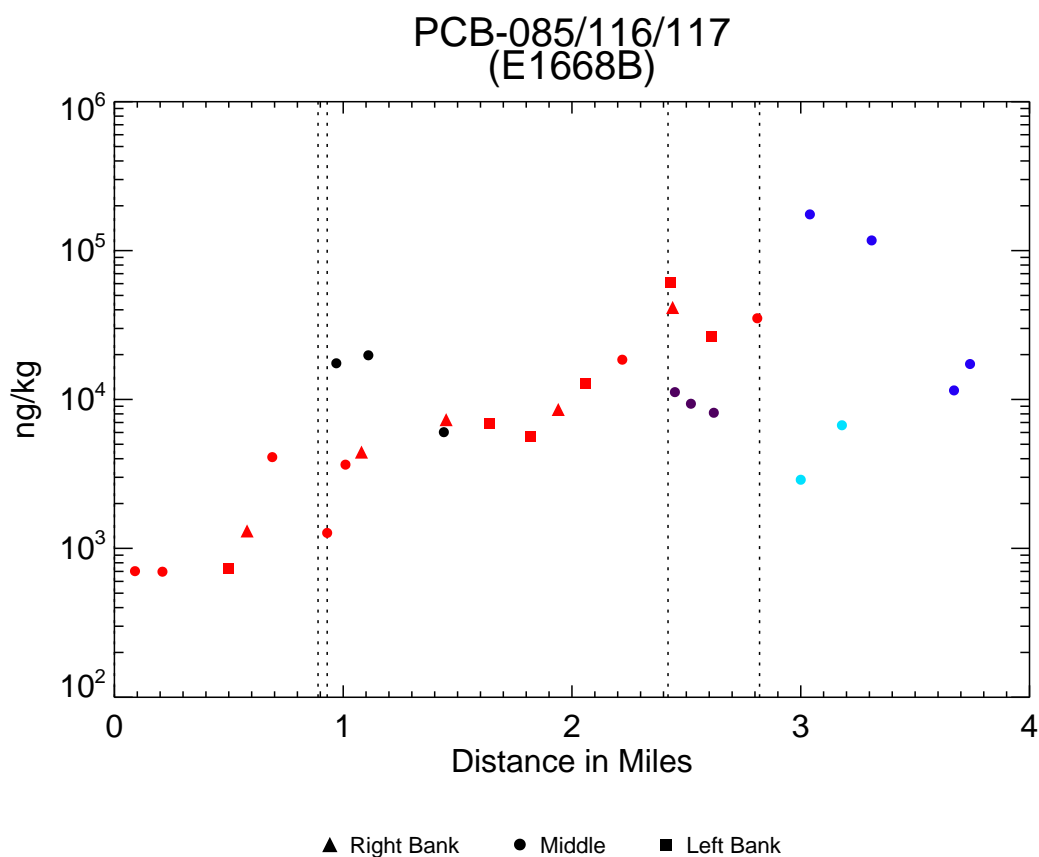
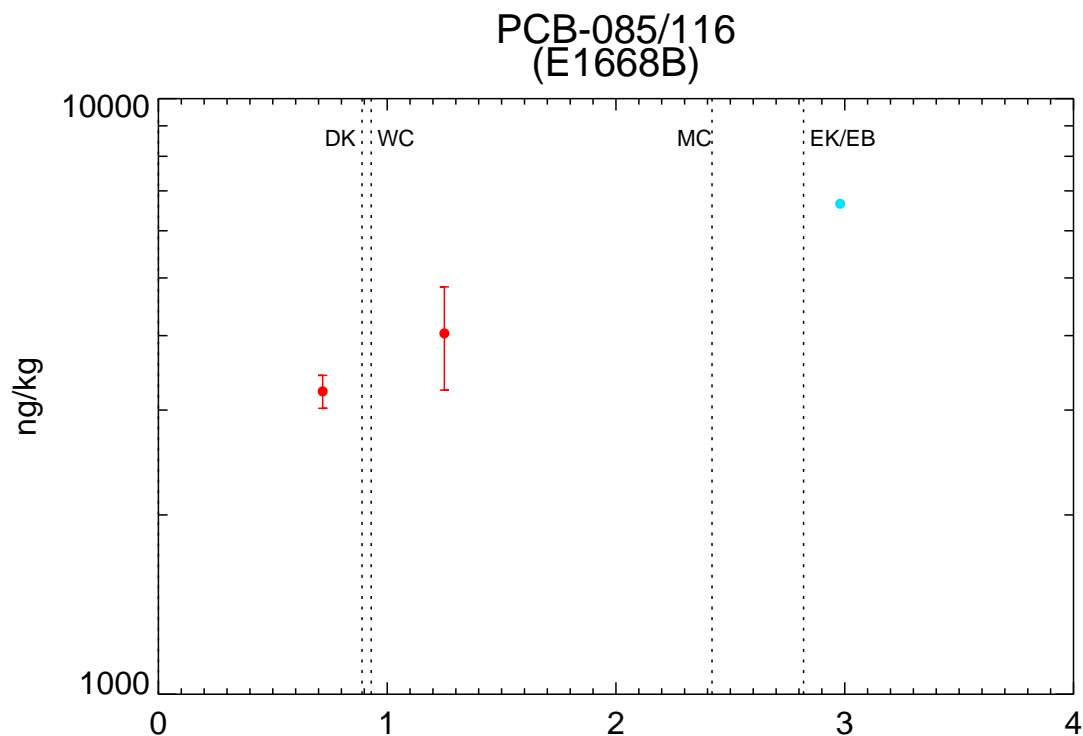
**Figure A4-221**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

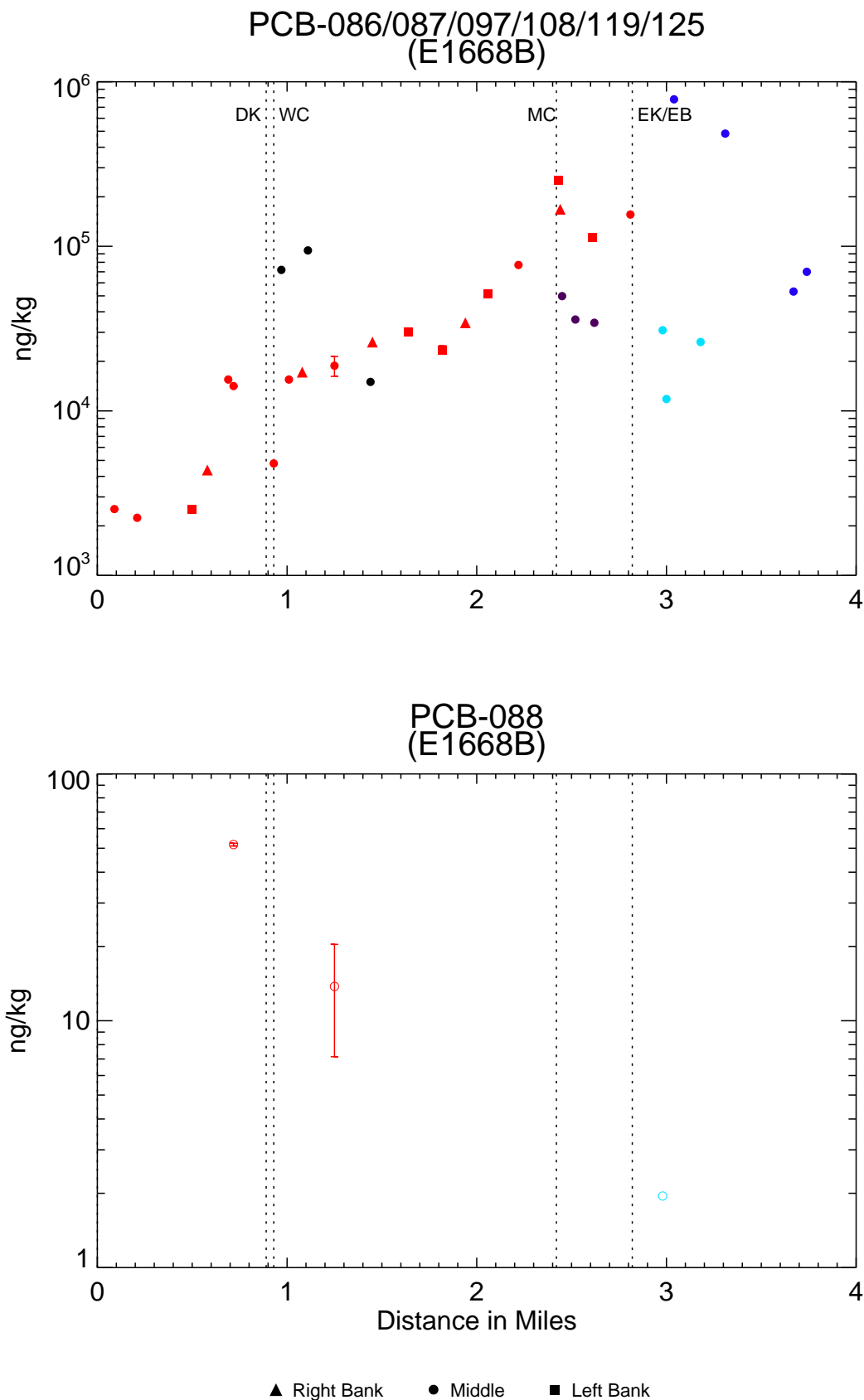
**Figure A4-222**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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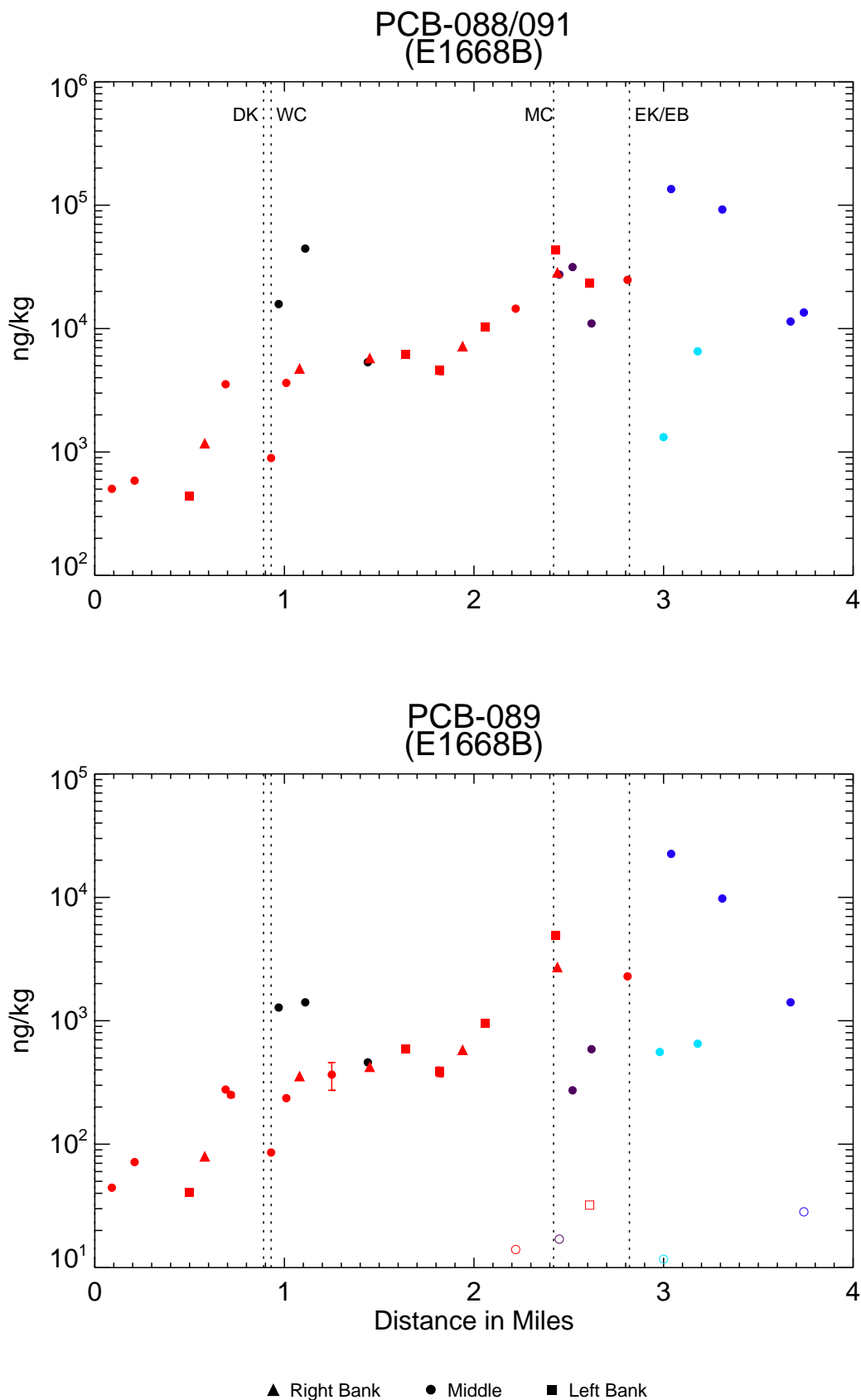
**Figure A4-223**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

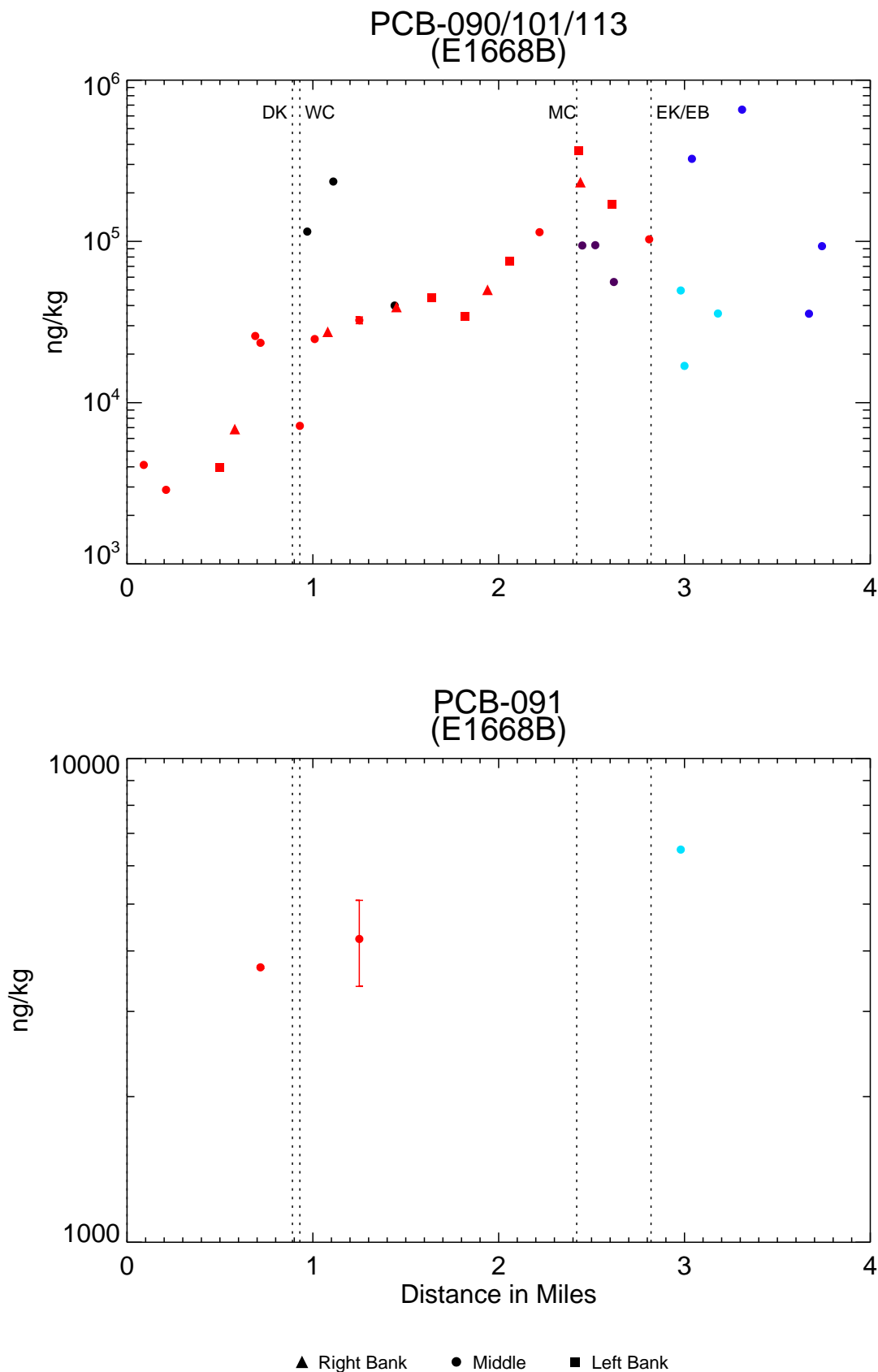
**Figure A4-224**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

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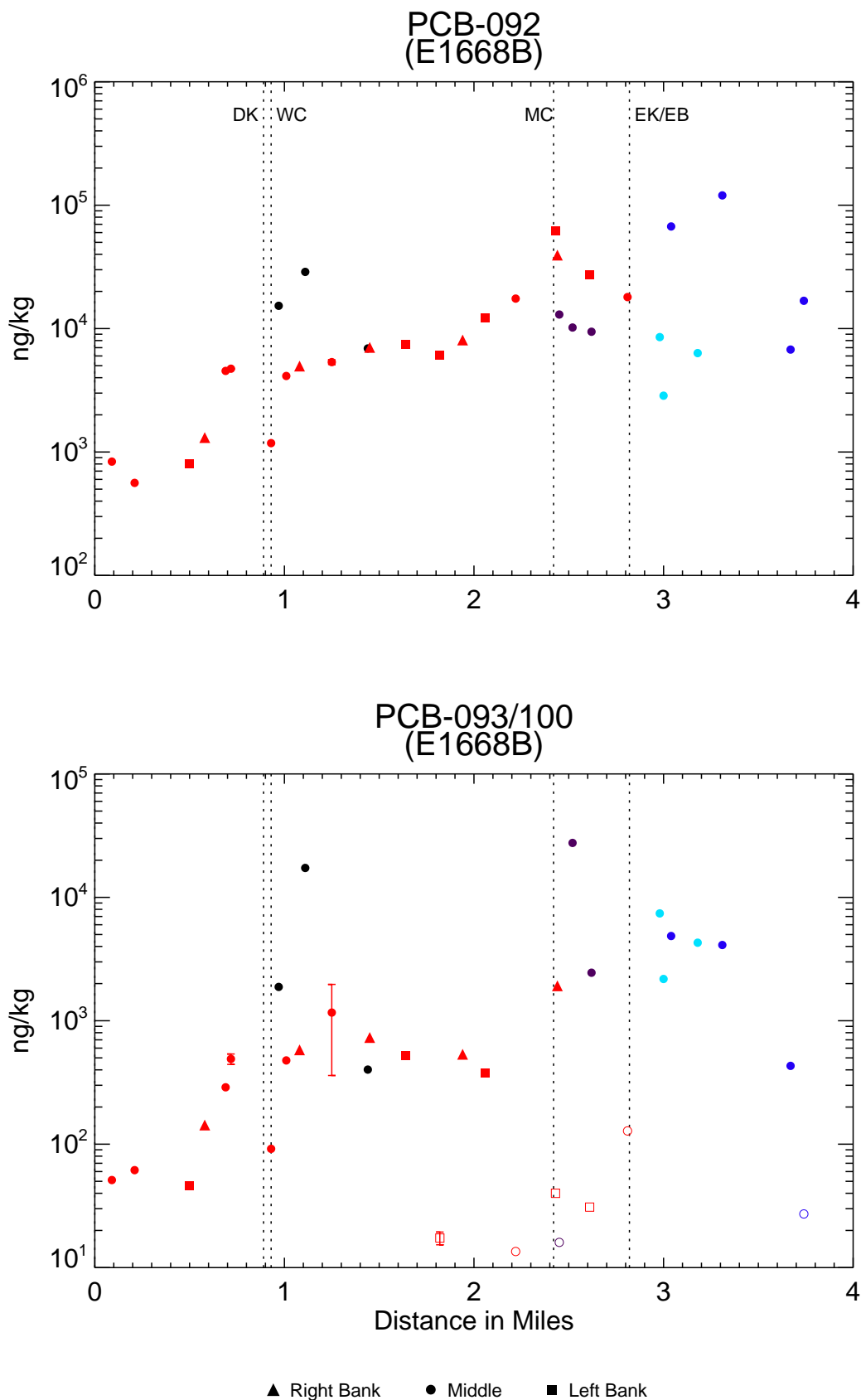
**Figure A4-225**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

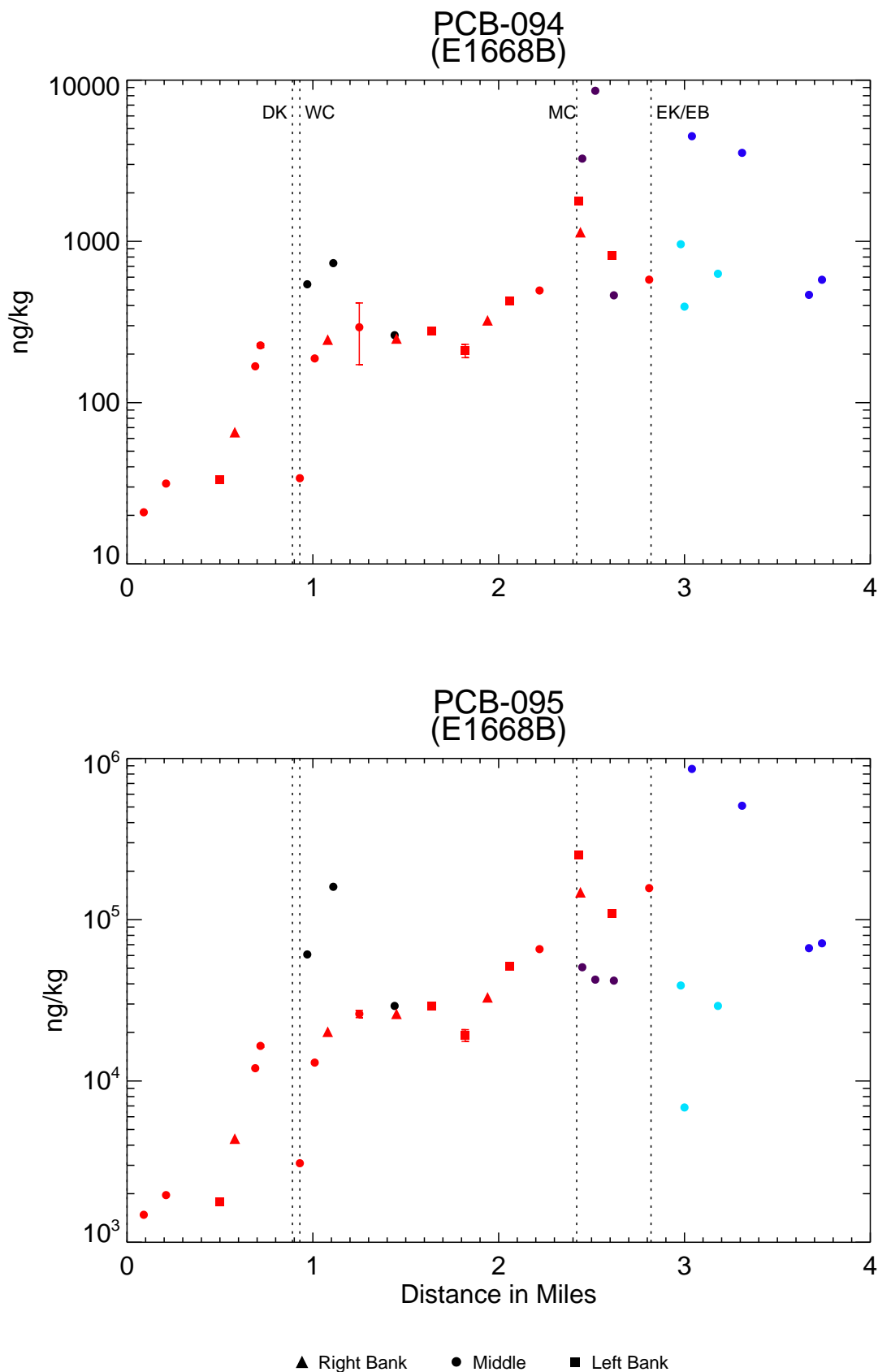
**Figure A4-226**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

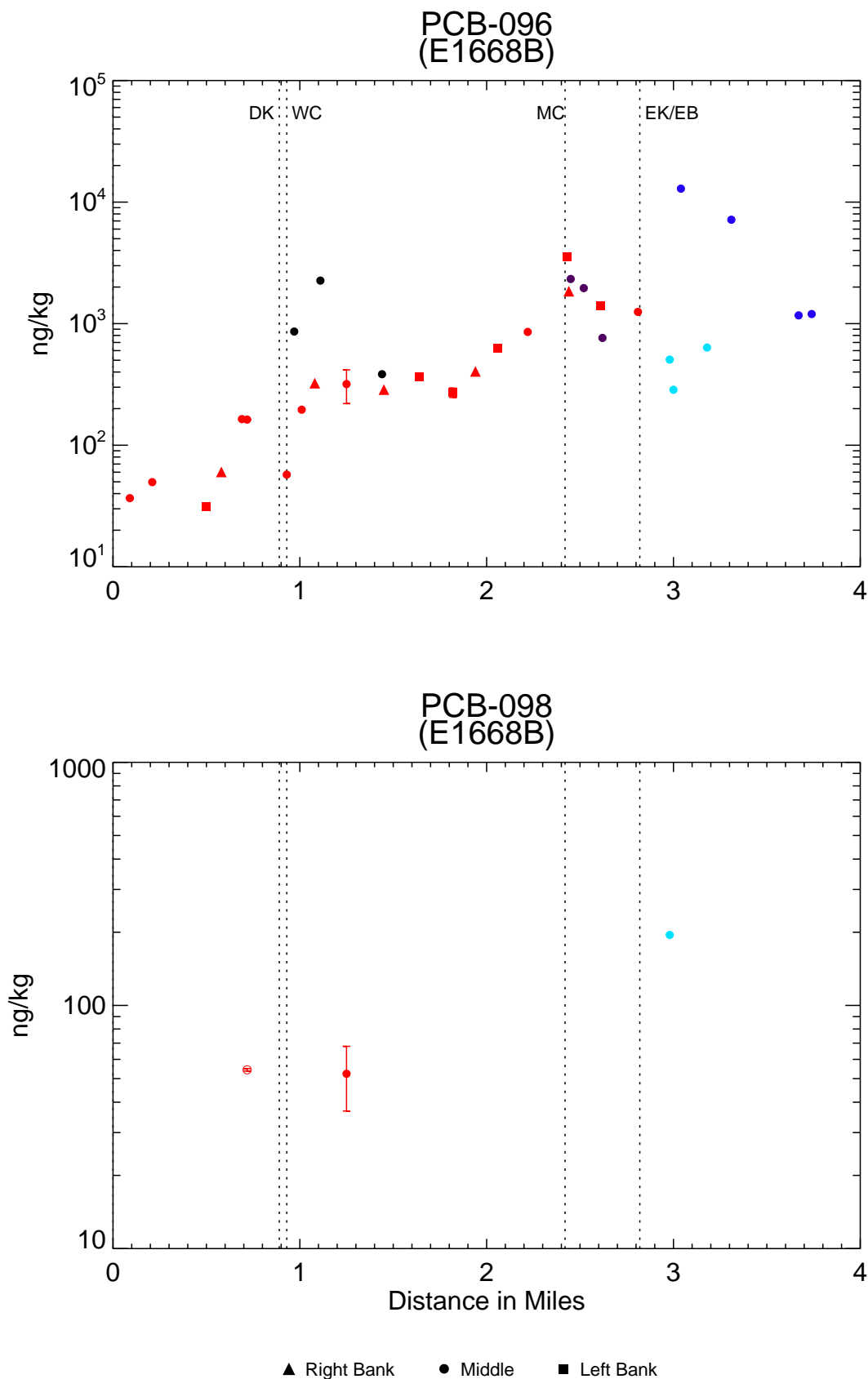
**Figure A4-227**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
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- English Kills (2.82 mi)
- East Branch (2.82 mi)

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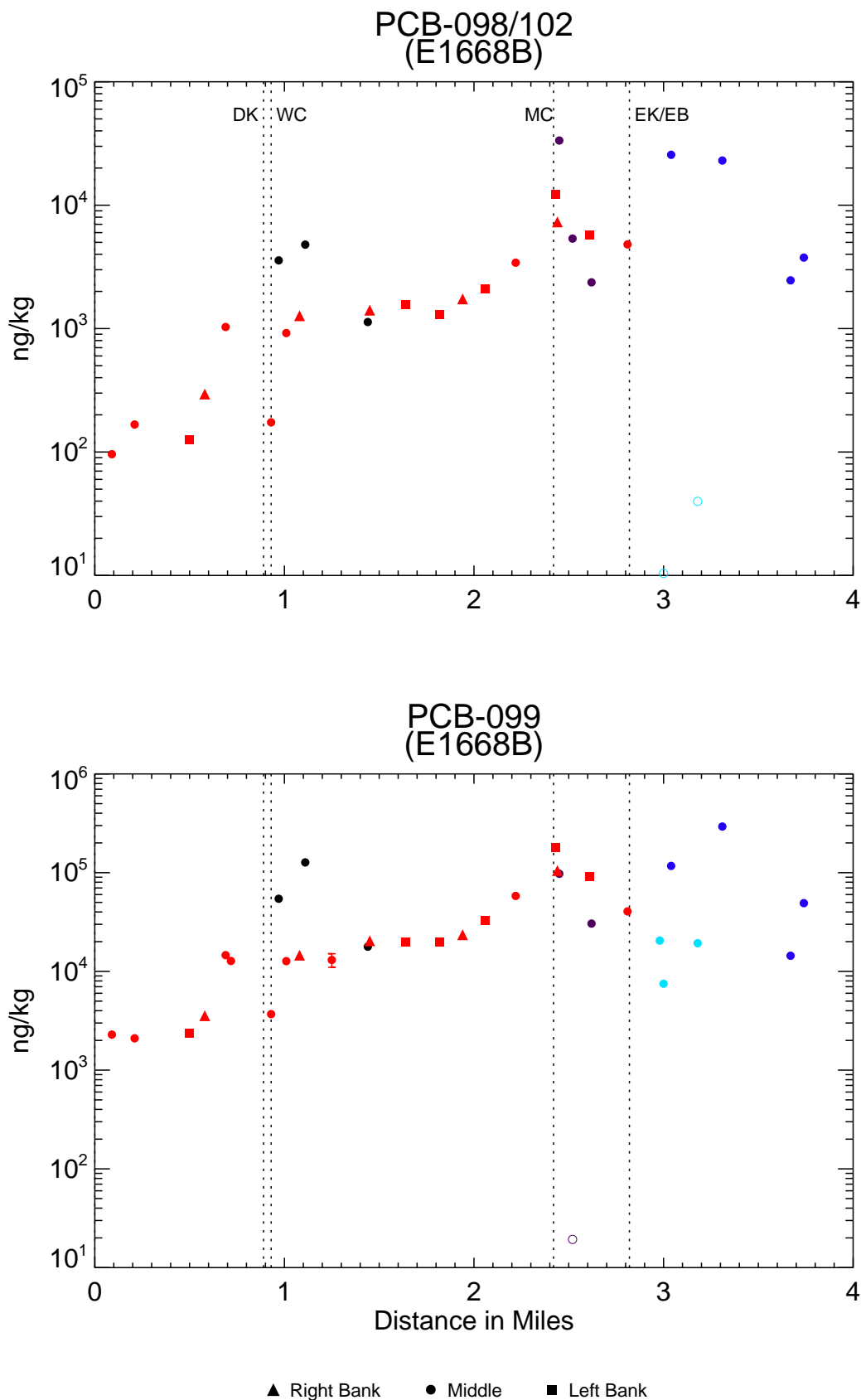
**Figure A4-228**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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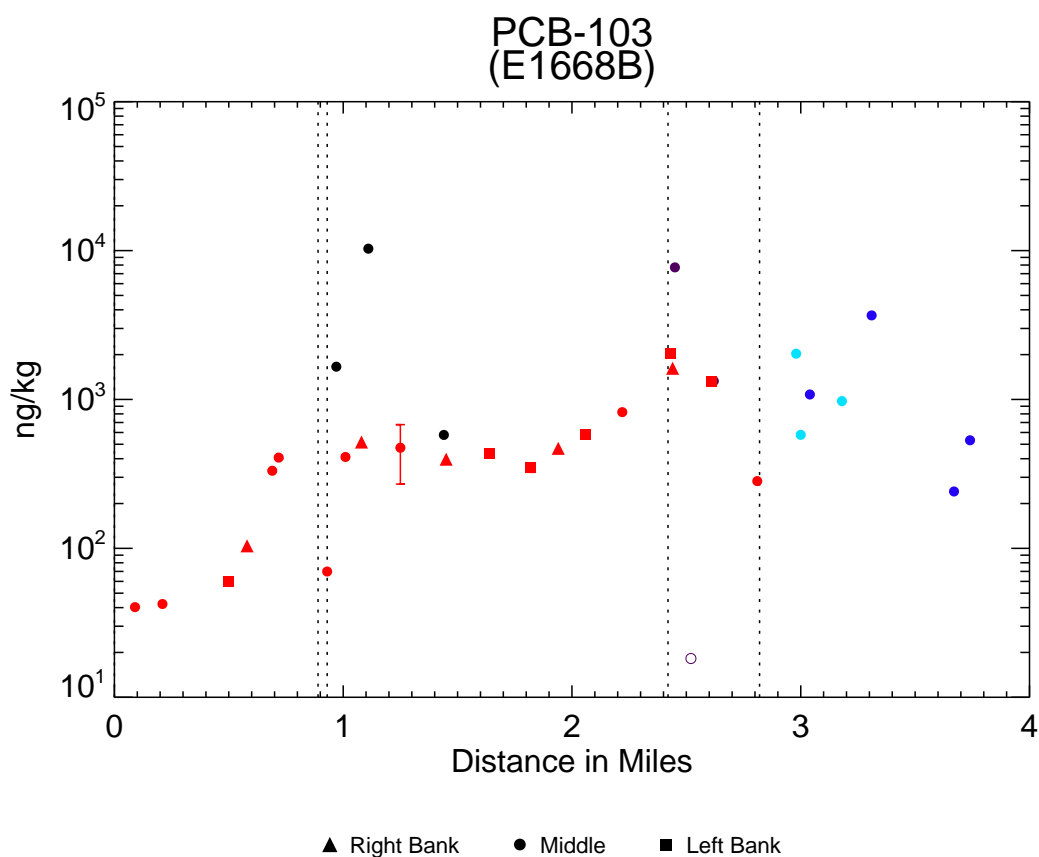
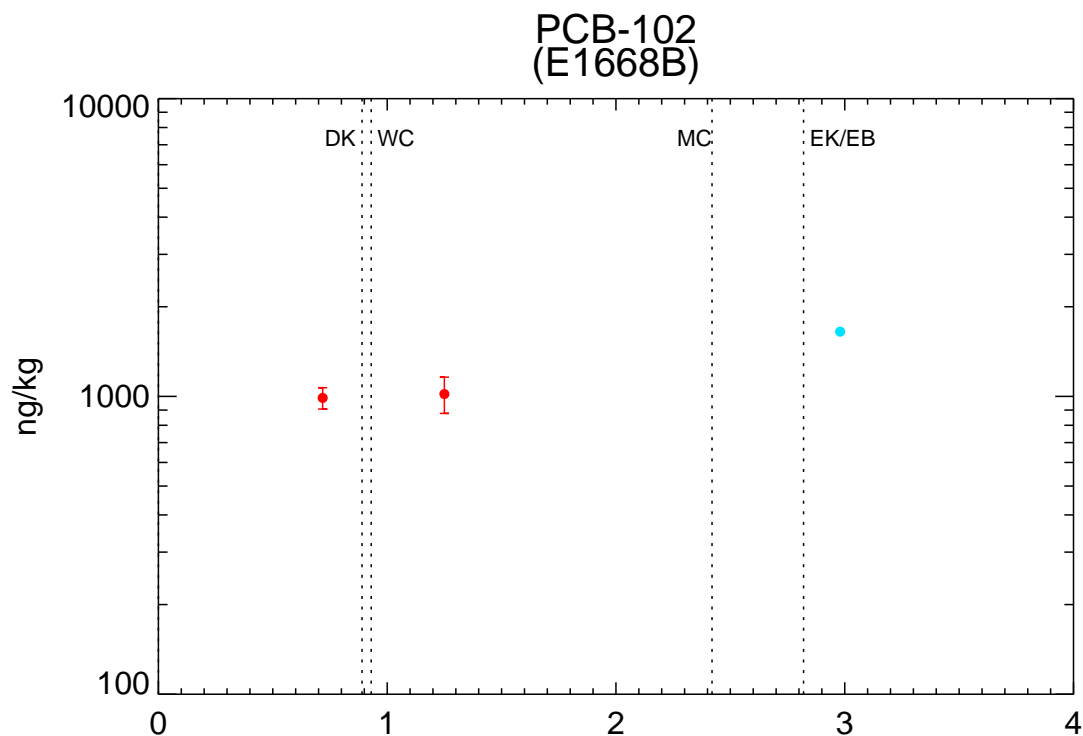
**Figure A4-229**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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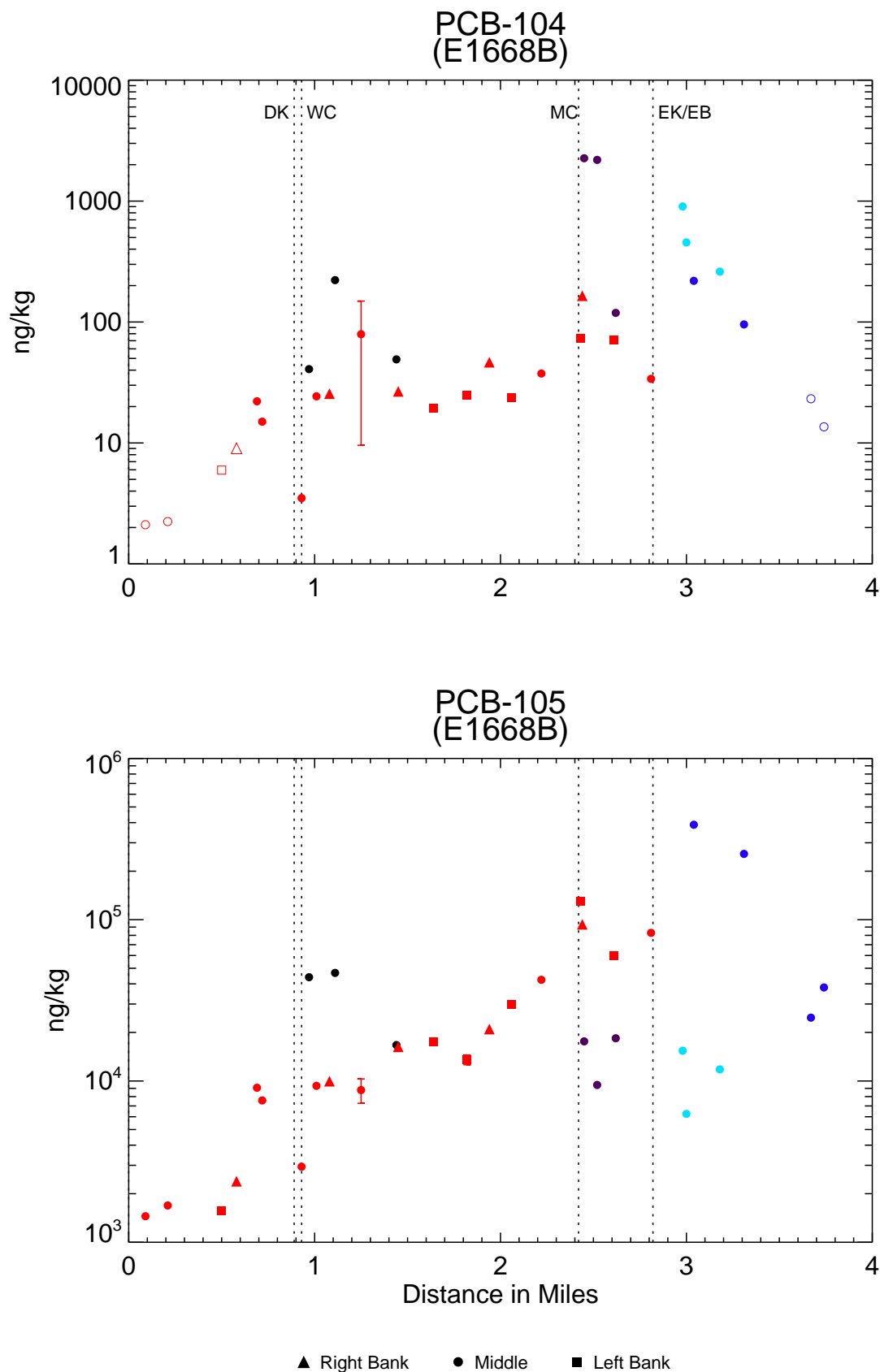
**Figure A4-230**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

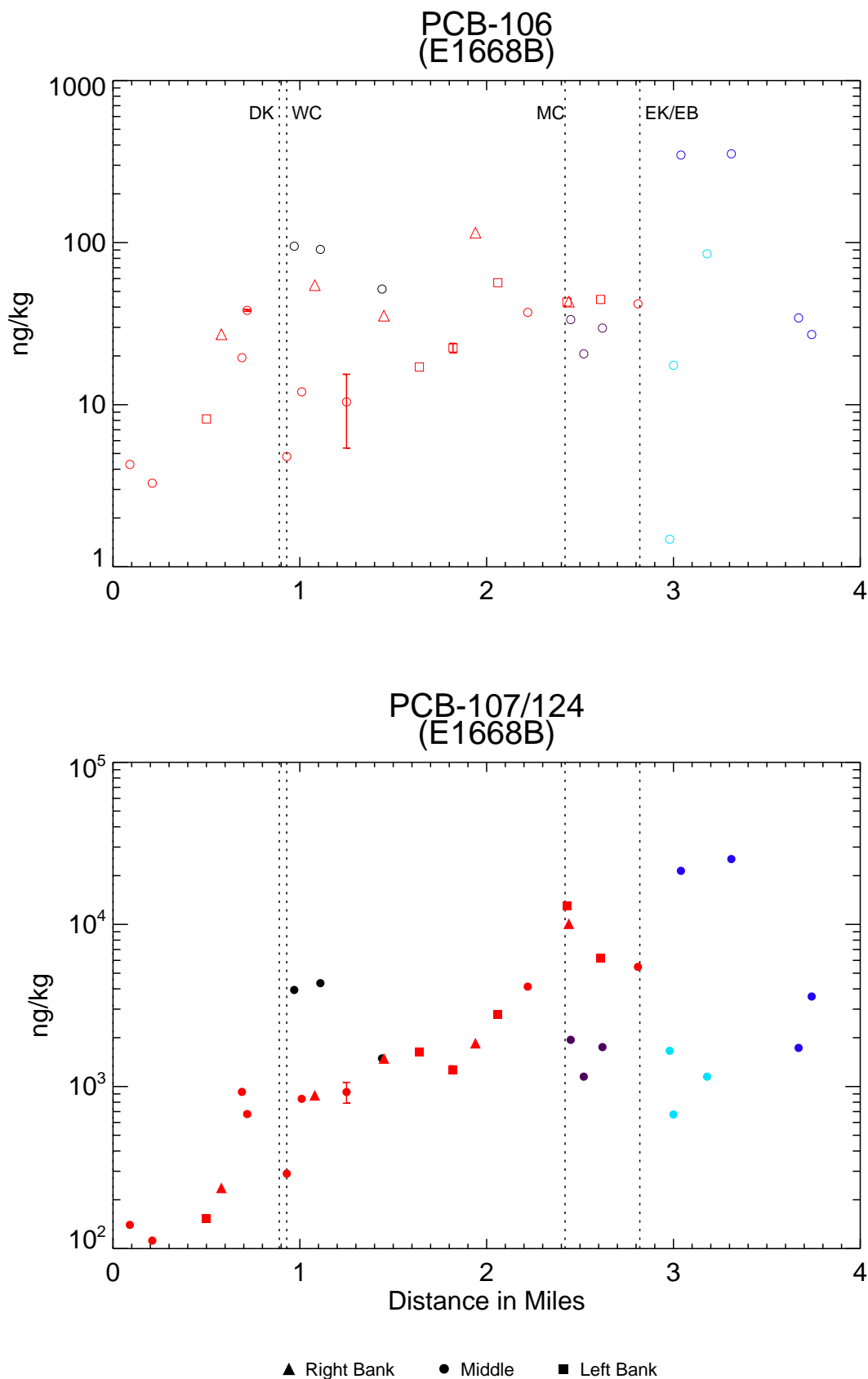
**Figure A4-231**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

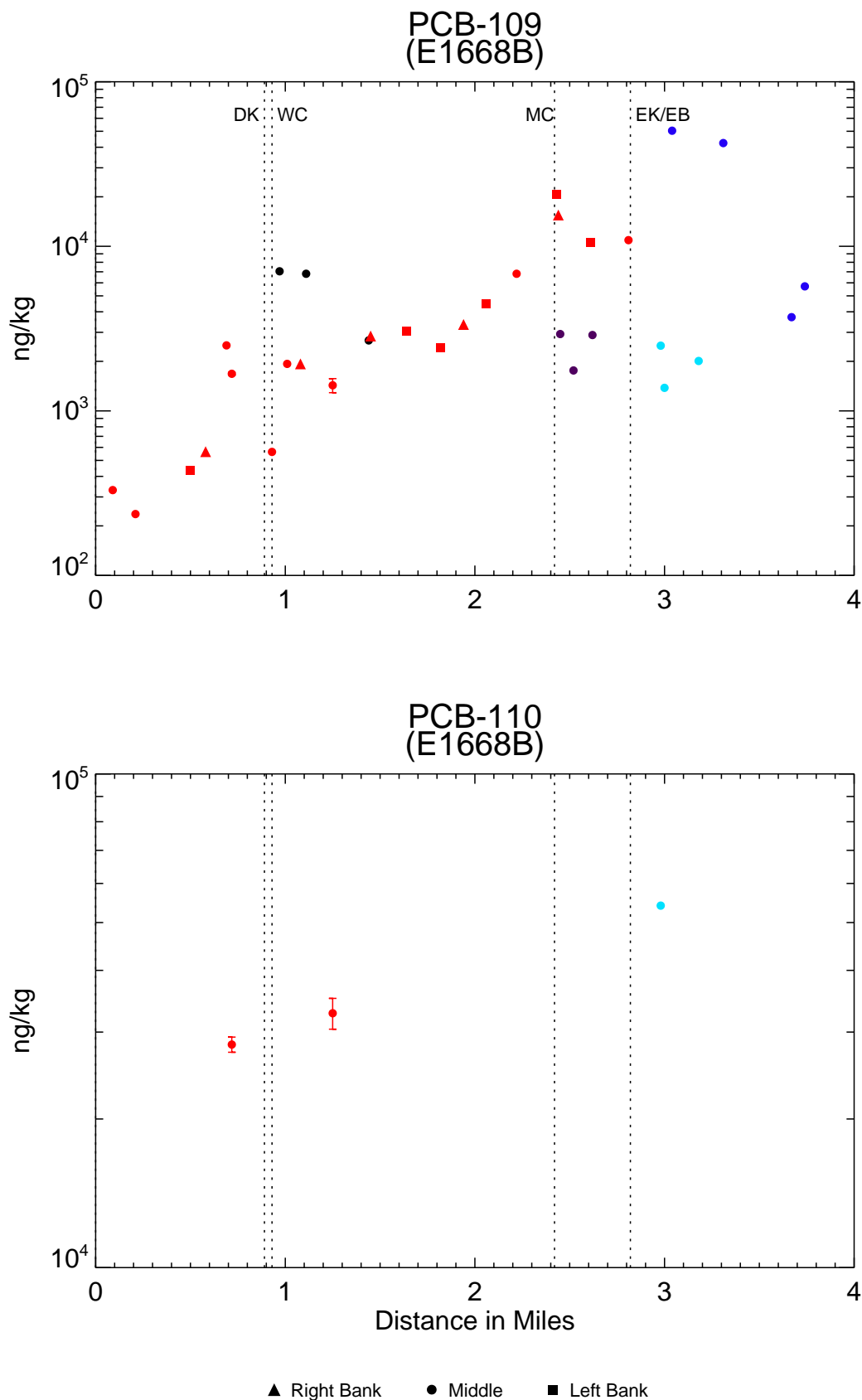
**Figure A4-232**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



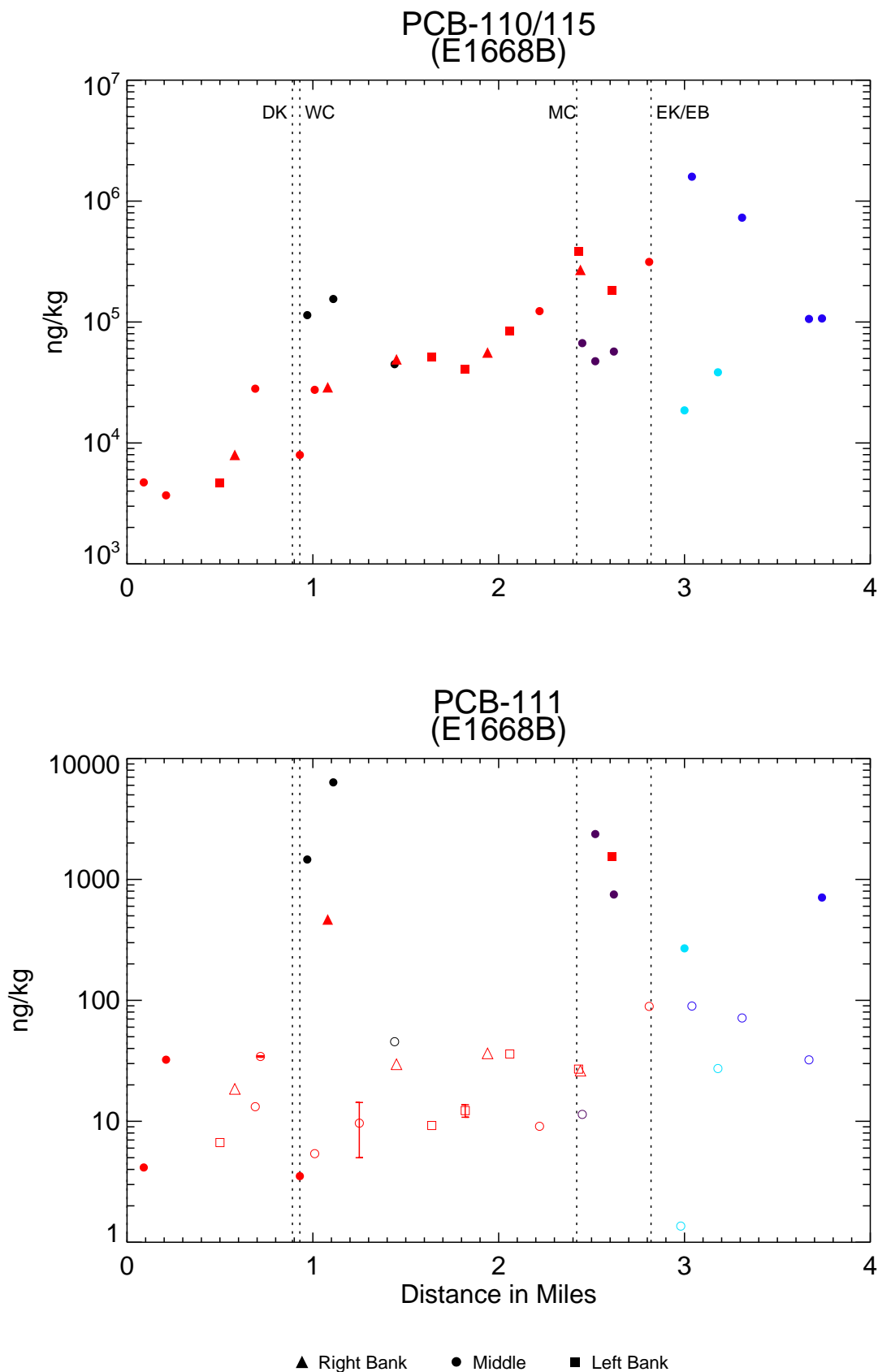
- Newtown Creek
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- English Kills (2.82 mi)
- East Branch (2.82 mi)



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- East Branch (2.82 mi)

Figure A4-233
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

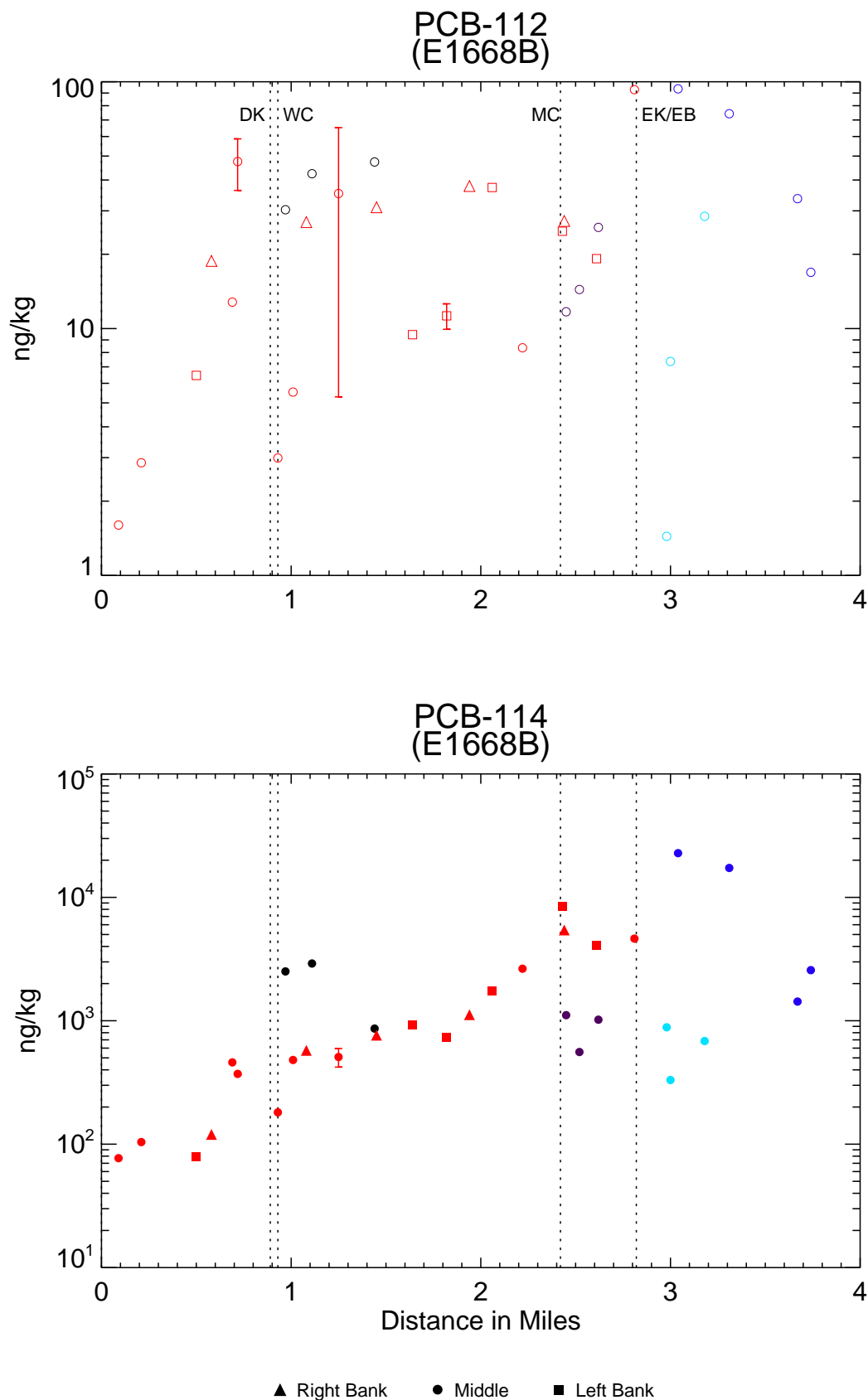
**Figure A4-234**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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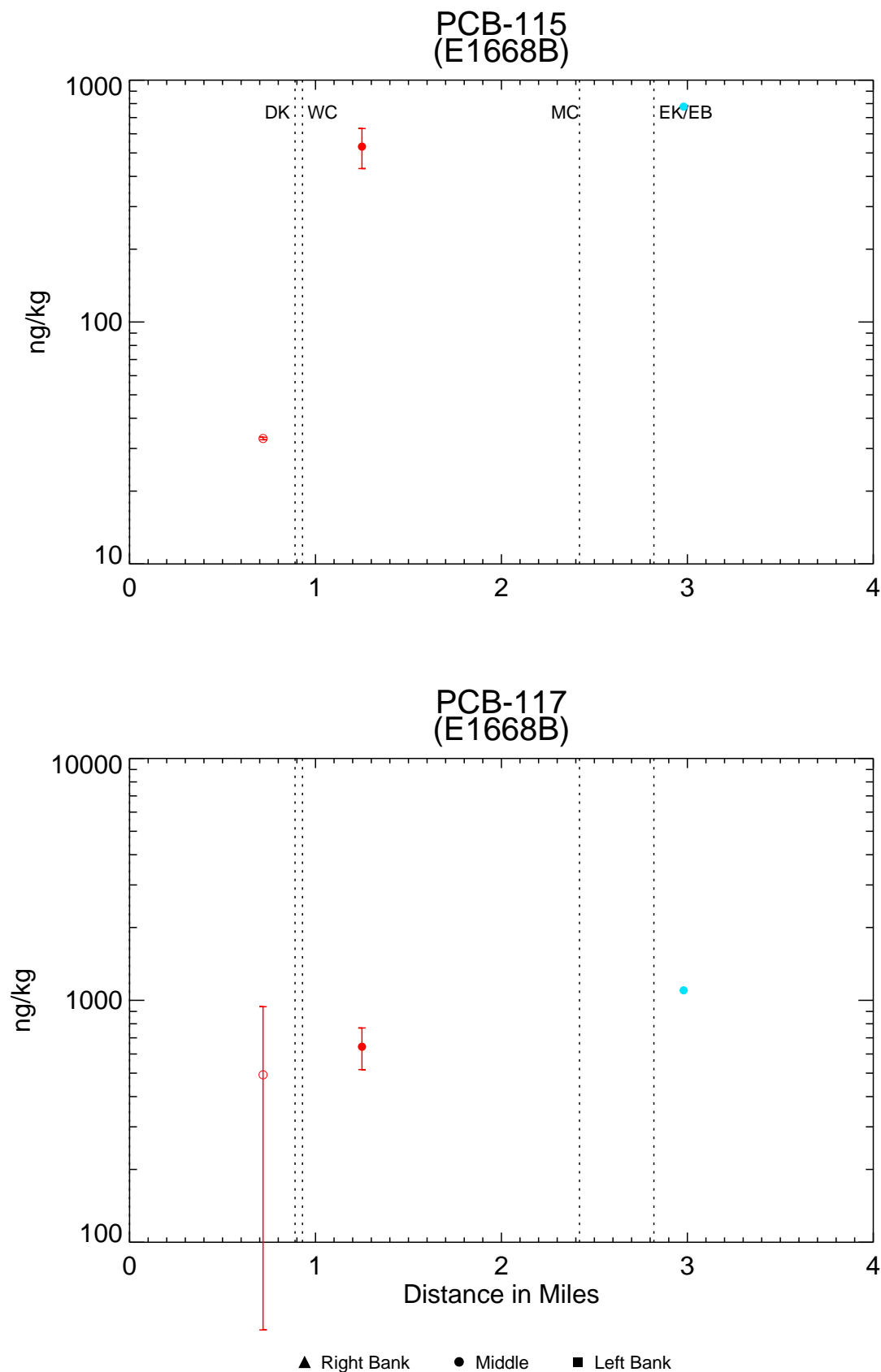
**Figure A4-235**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

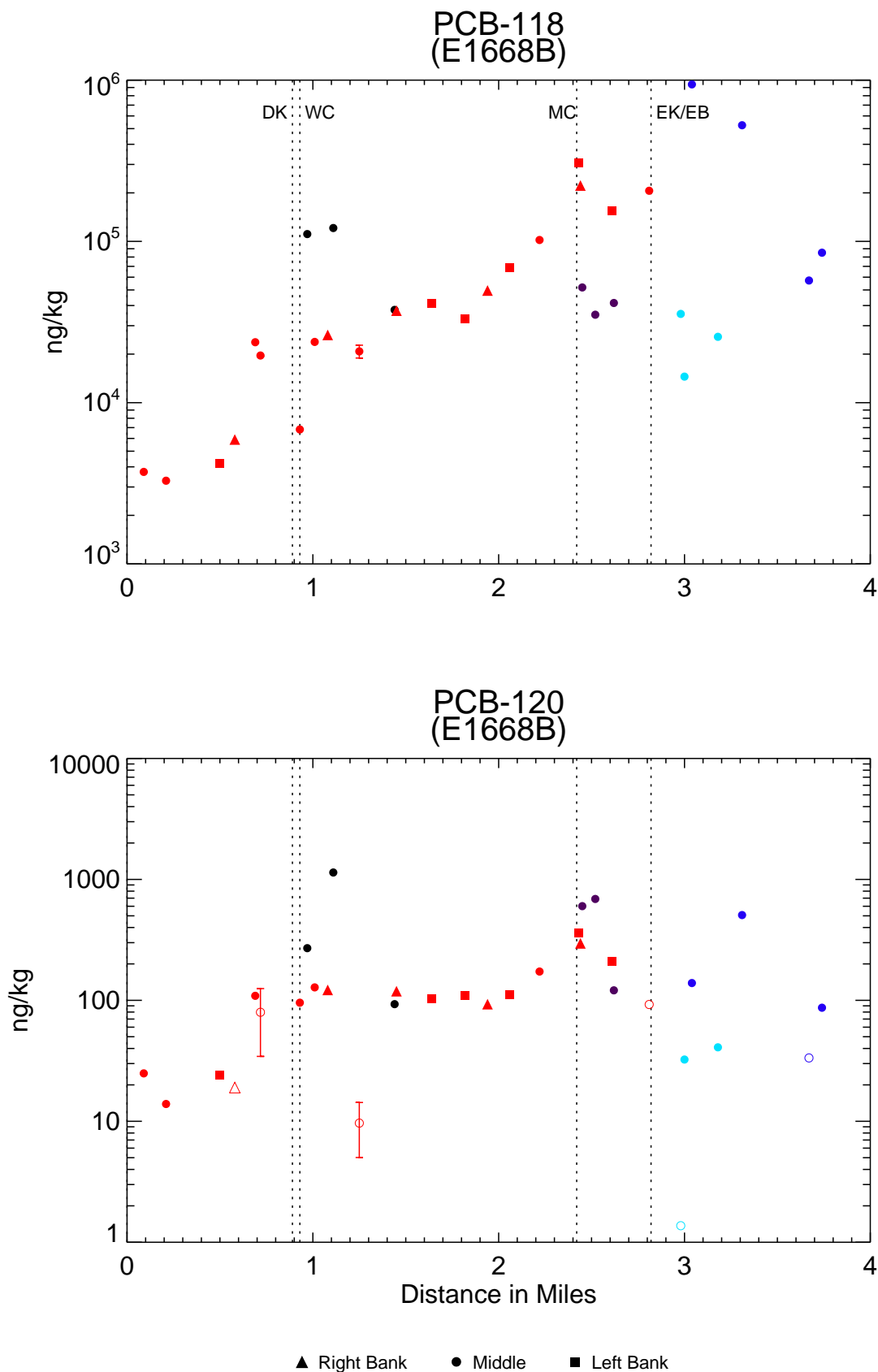
**Figure A4-236**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



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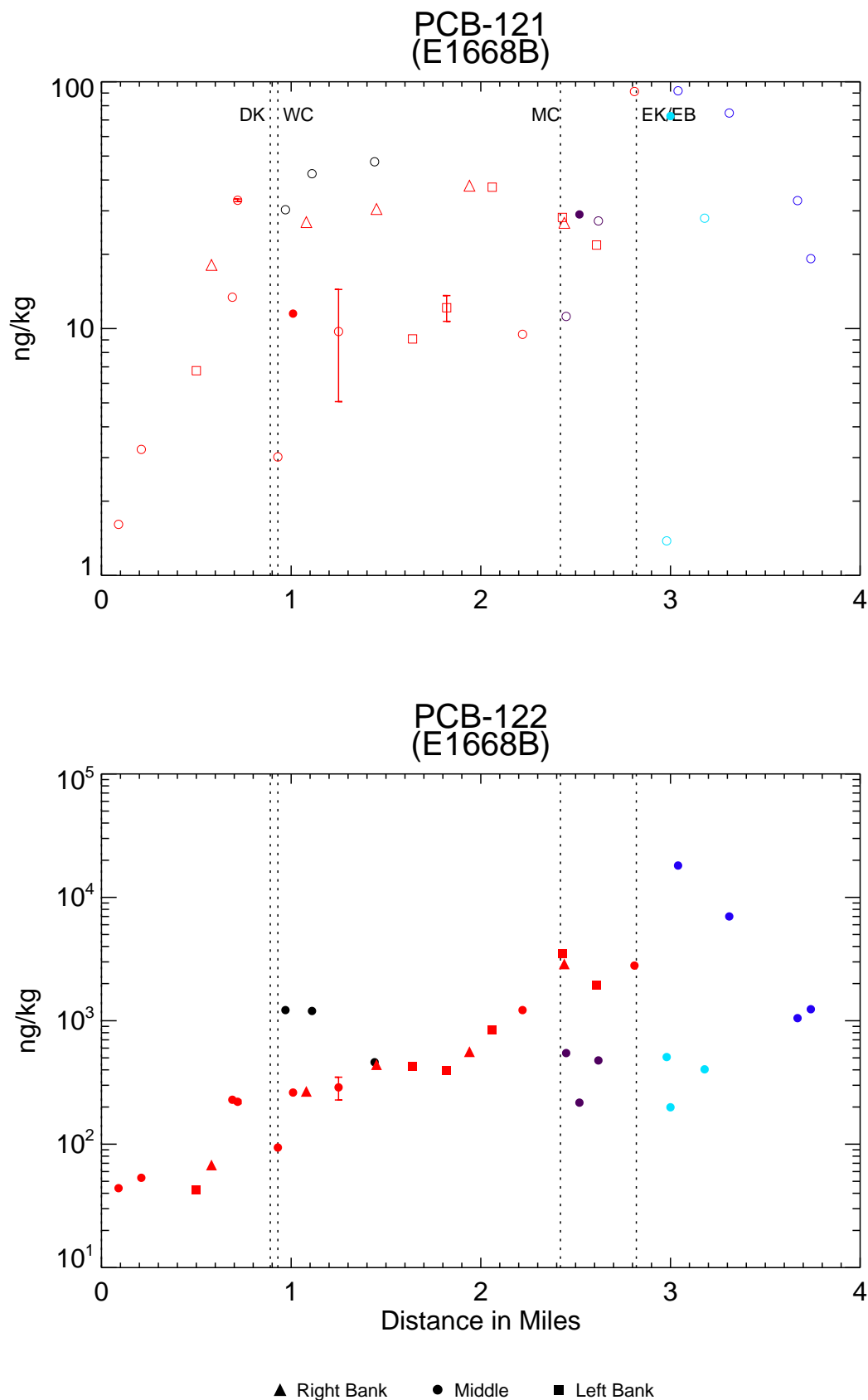
**Figure A4-237**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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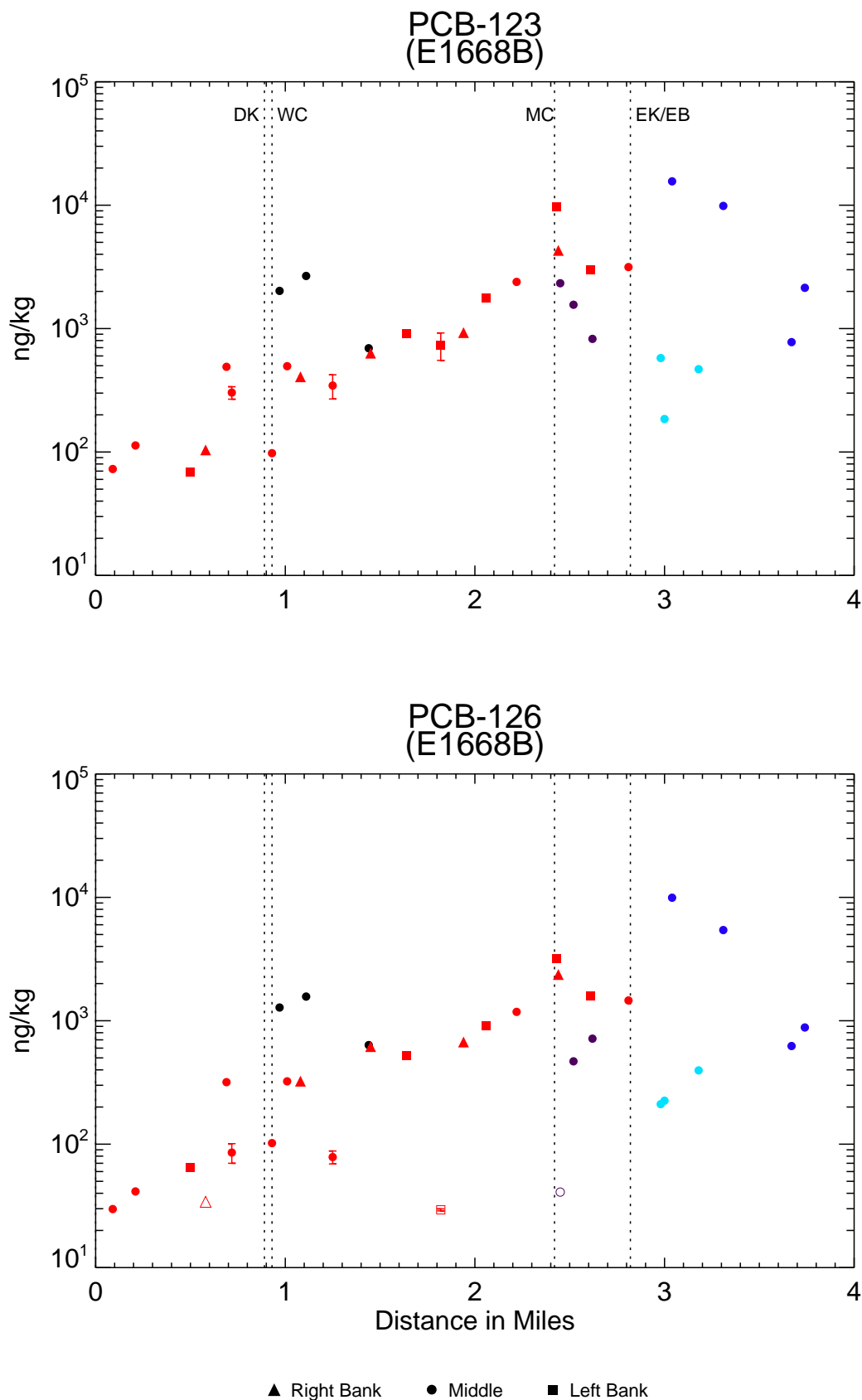
**Figure A4-238**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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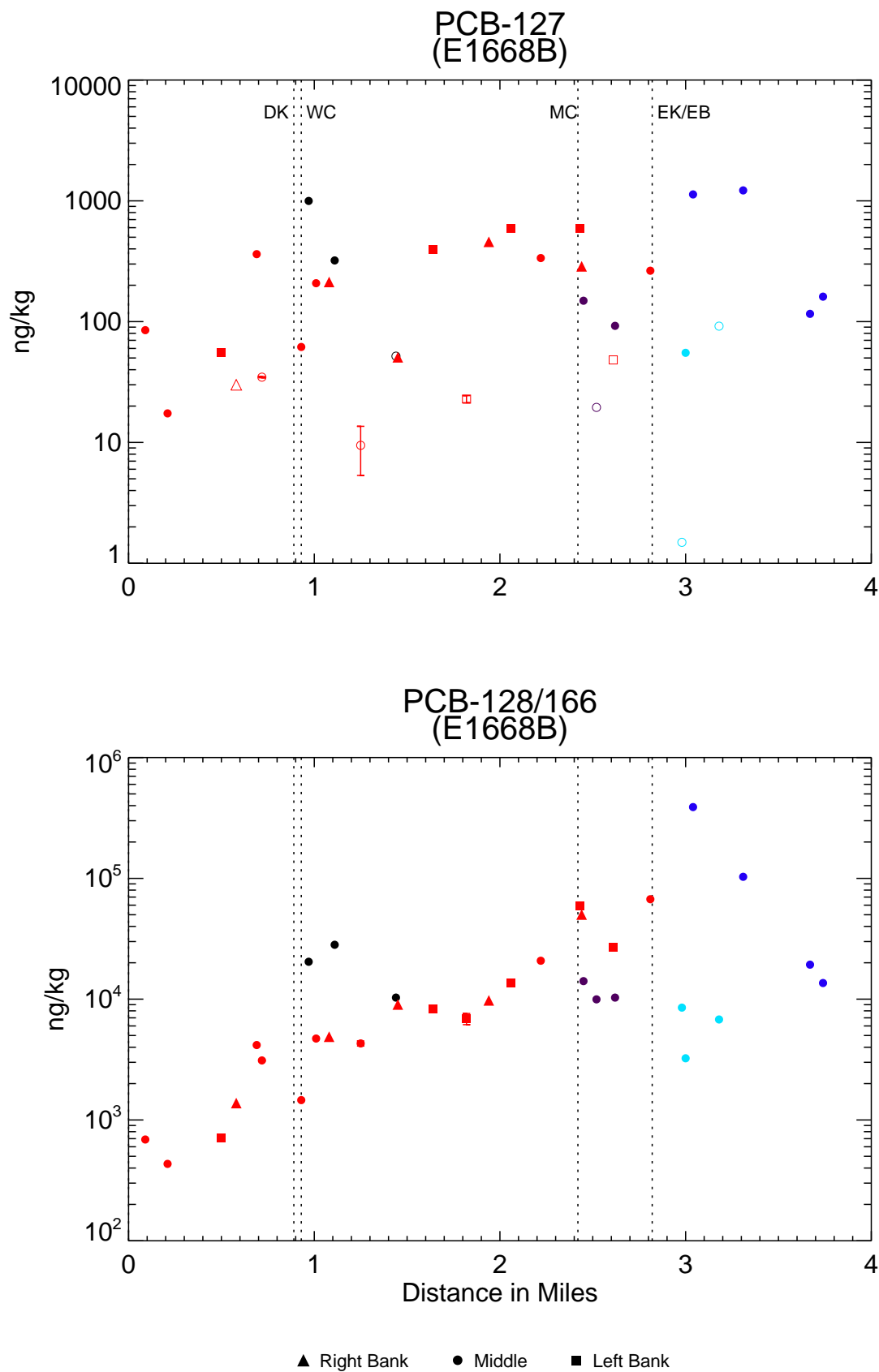
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- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-239
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

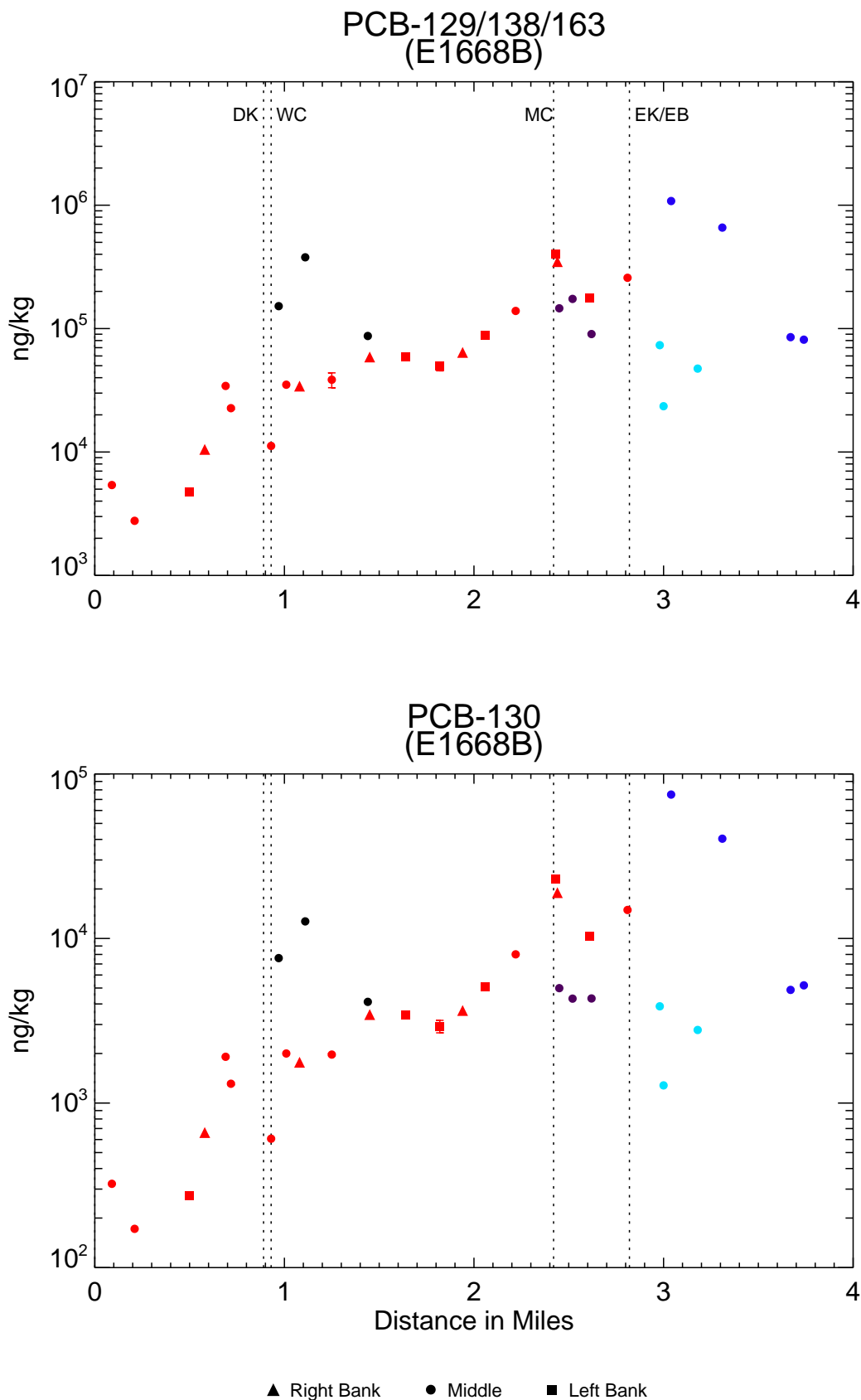
**Figure A4-240**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

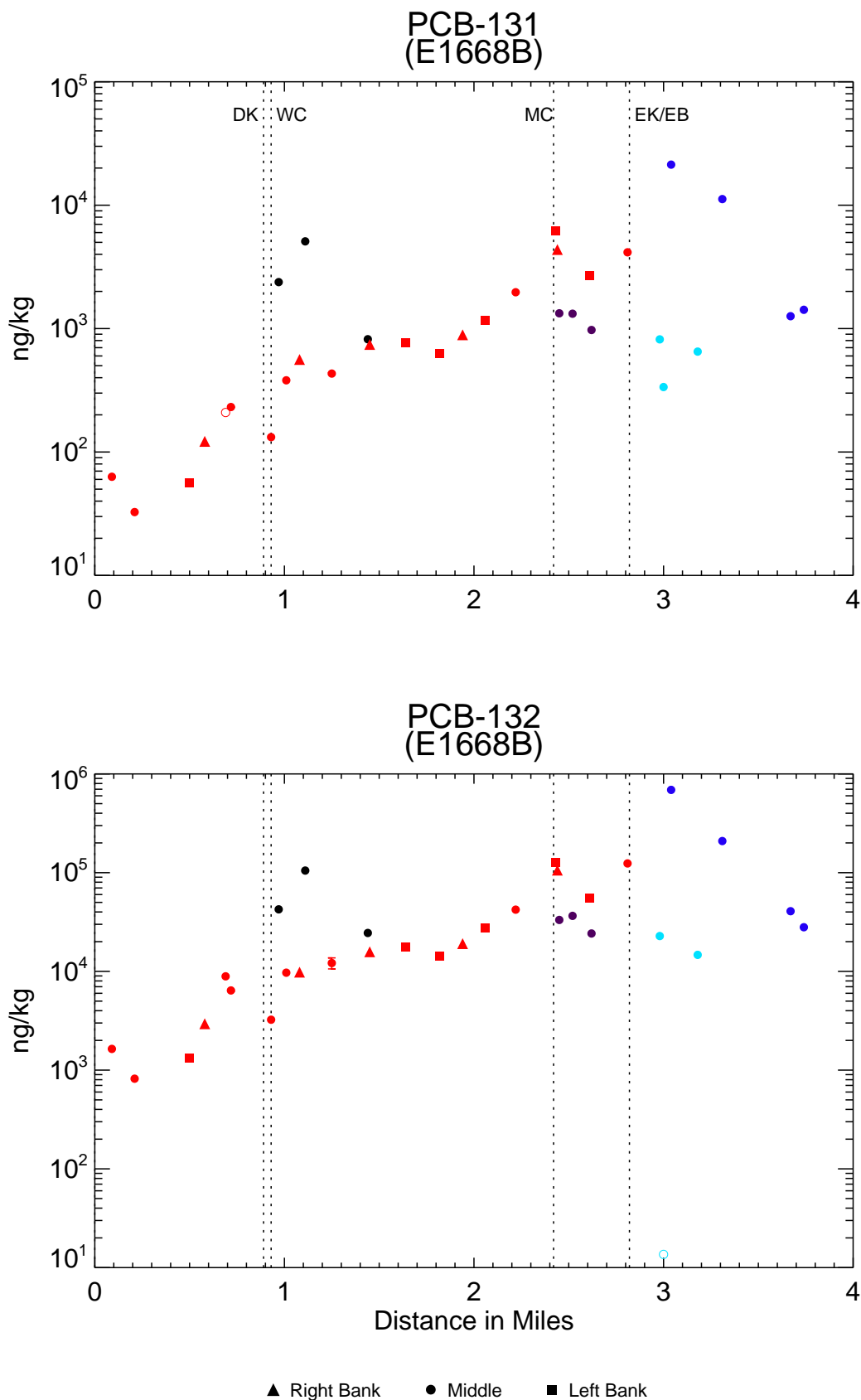
**Figure A4-241**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

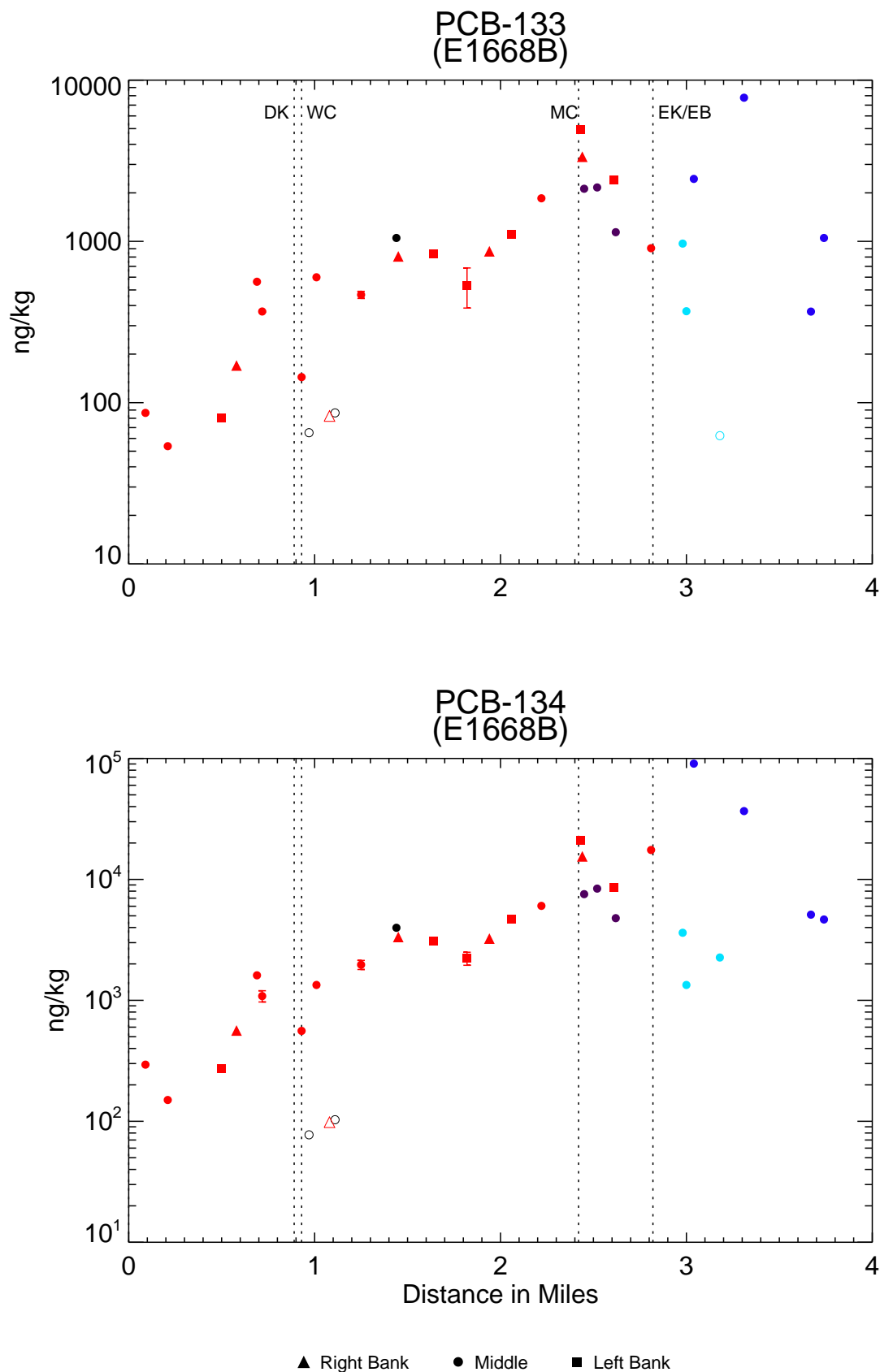
Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-242
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

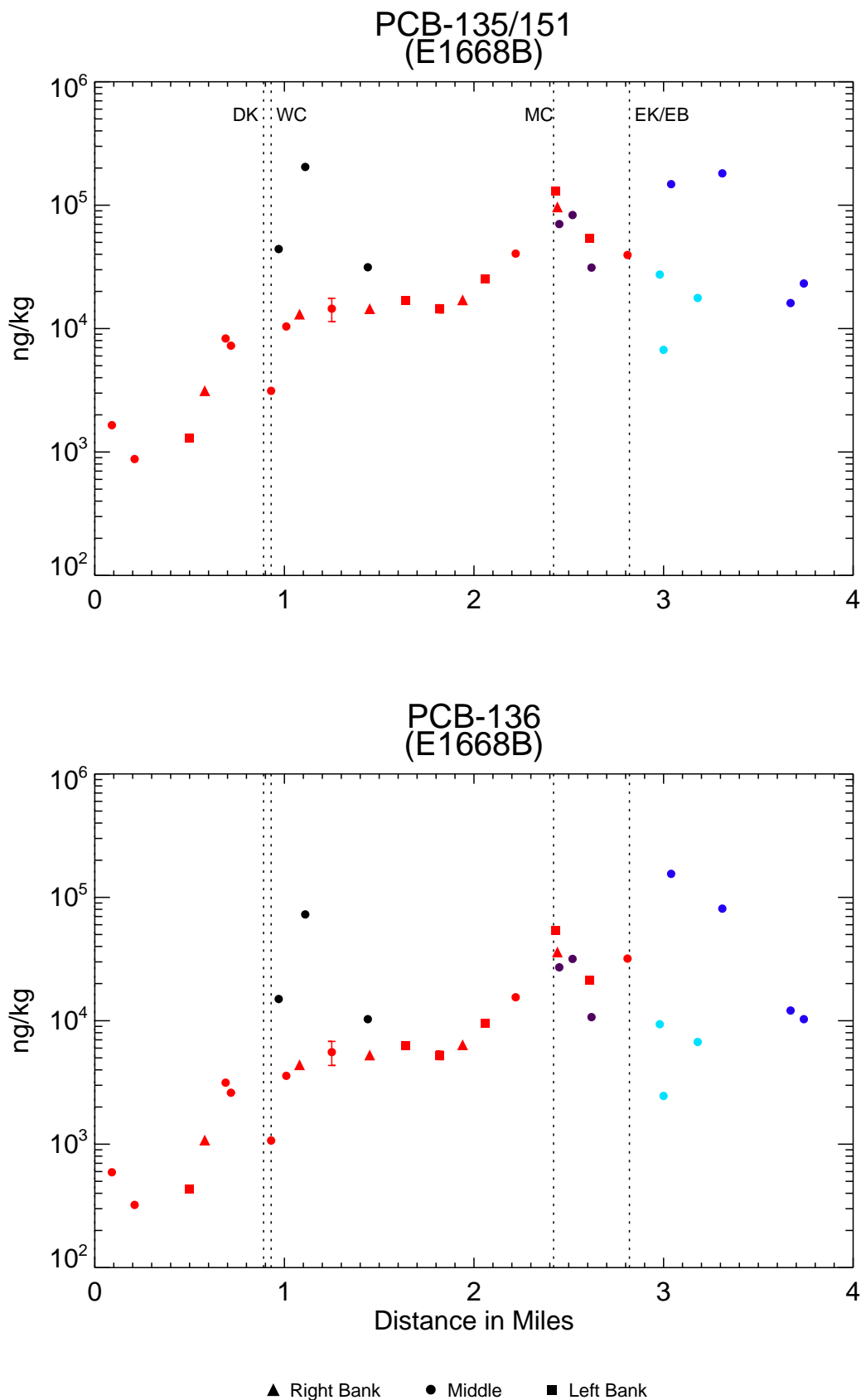
**Figure A4-243**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

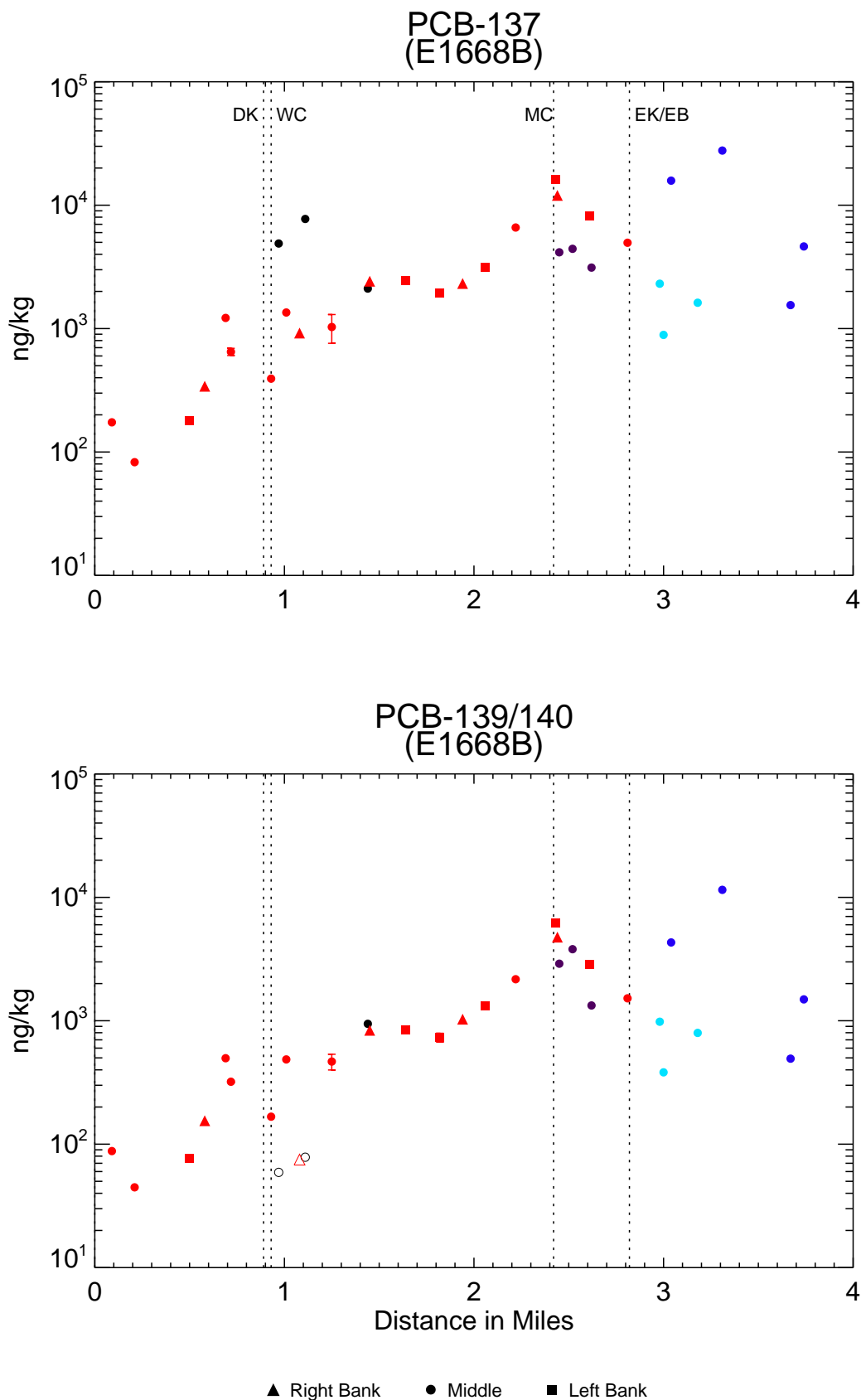
**Figure A4-244**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

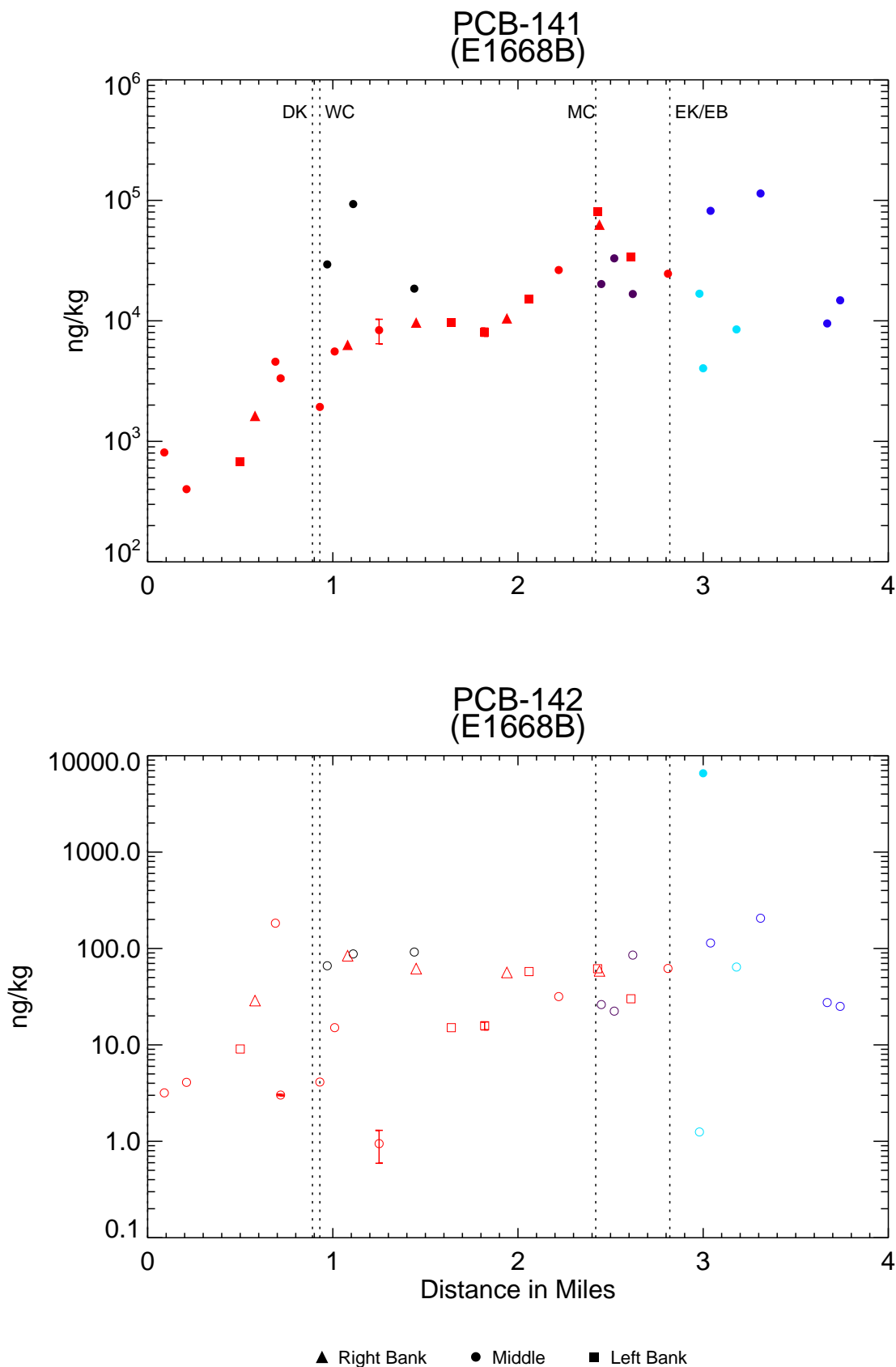
**Figure A4-245**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

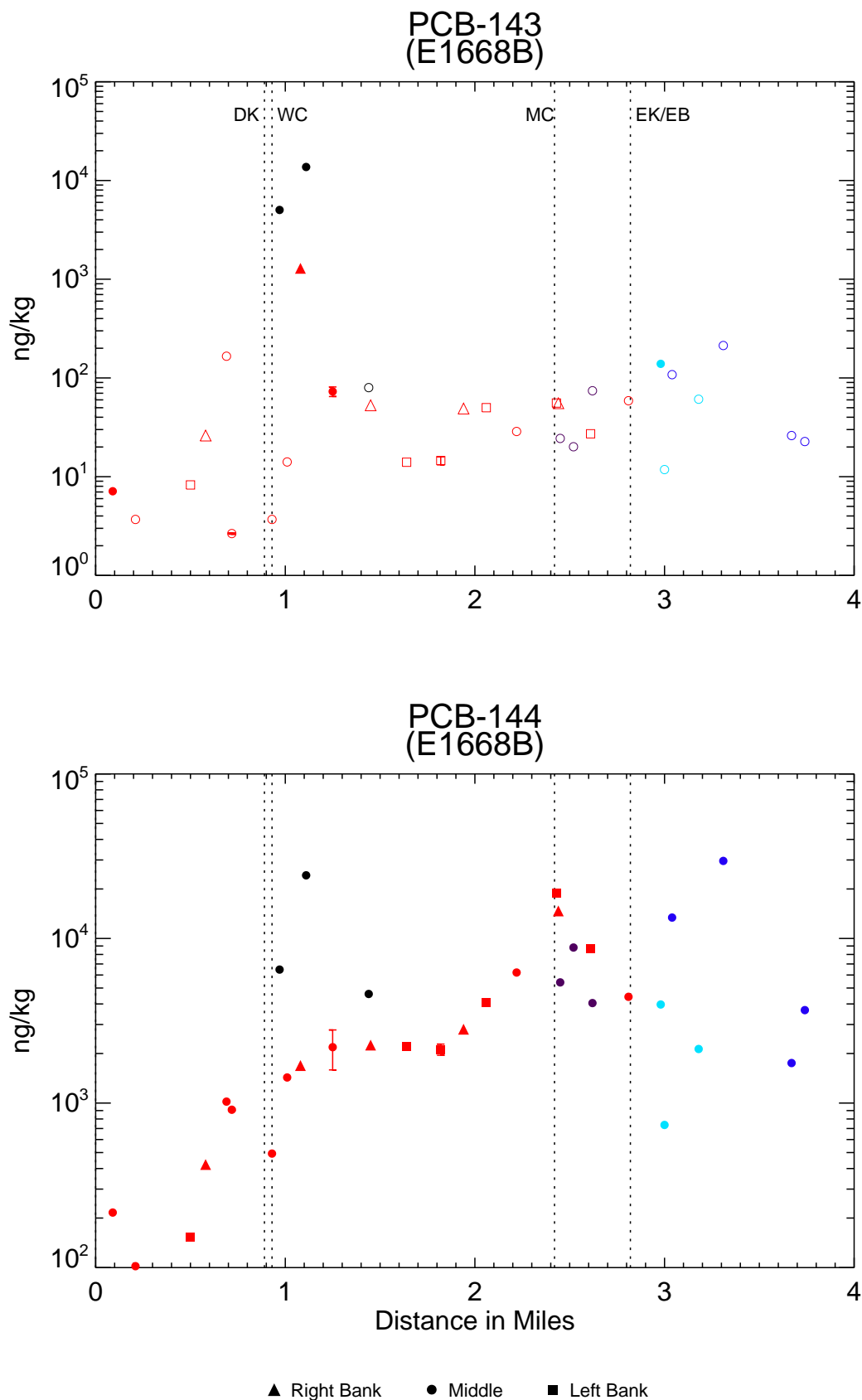
**Figure A4-246**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

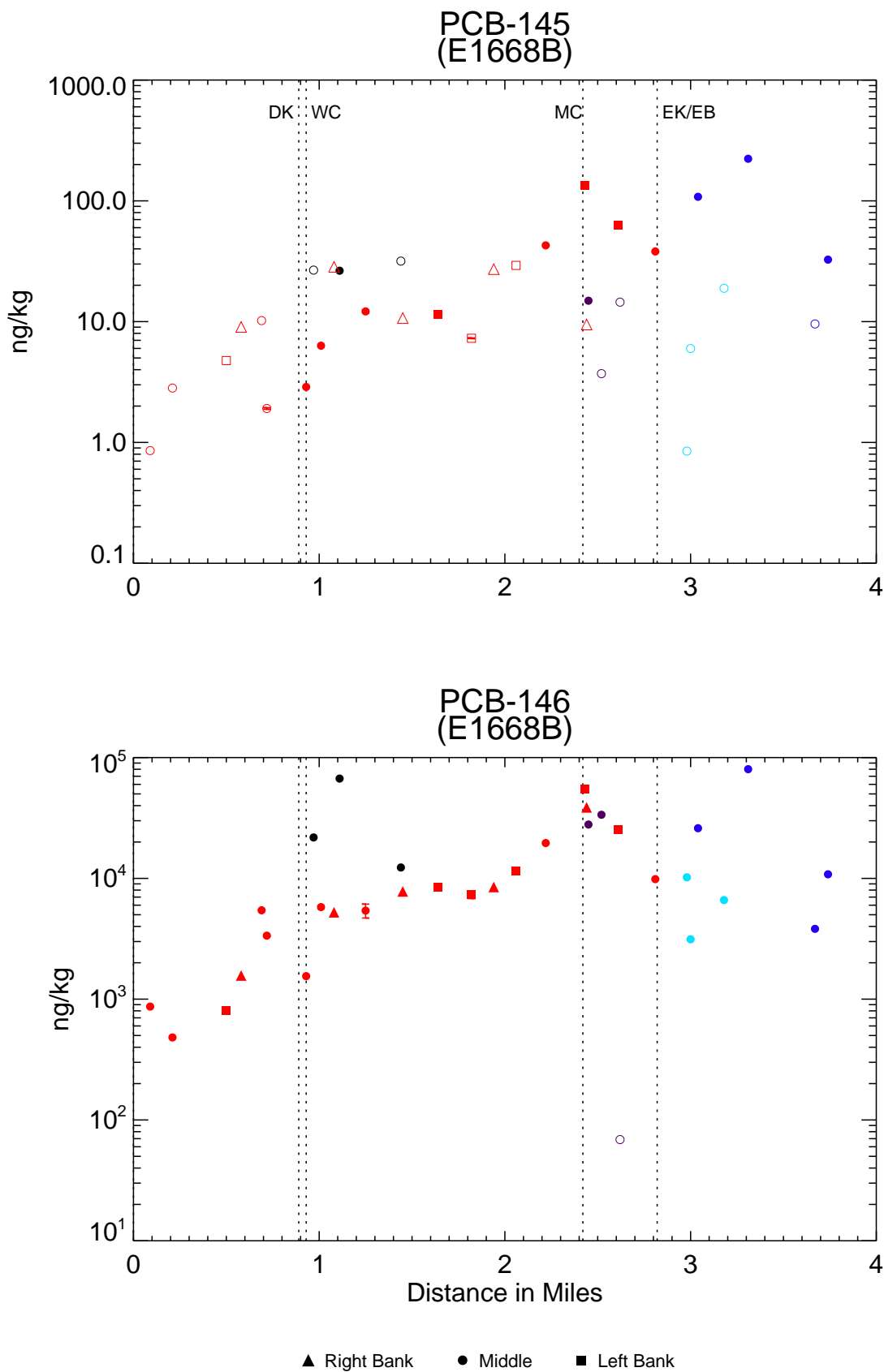
**Figure A4-247**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

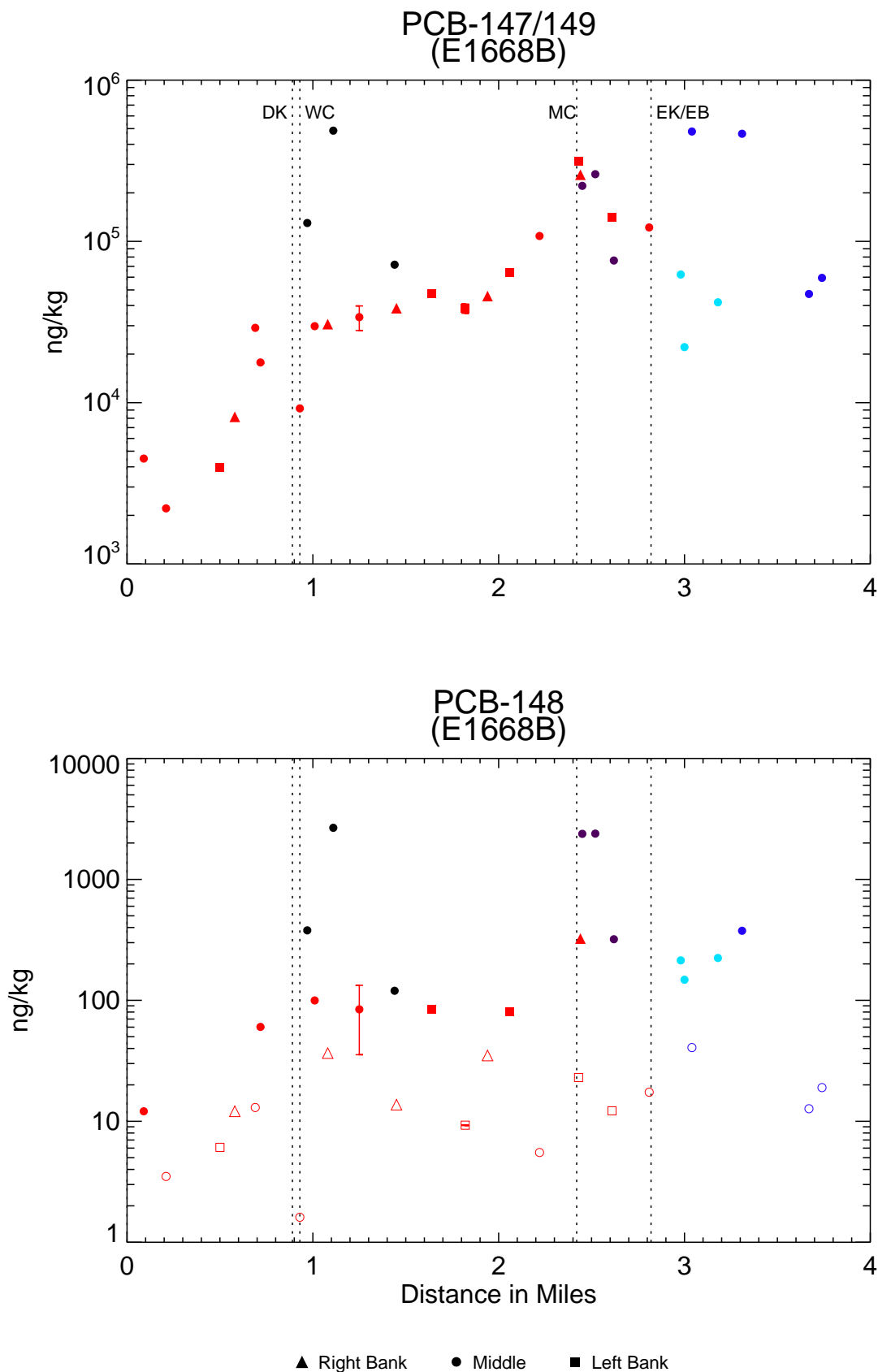
**Figure A4-248**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

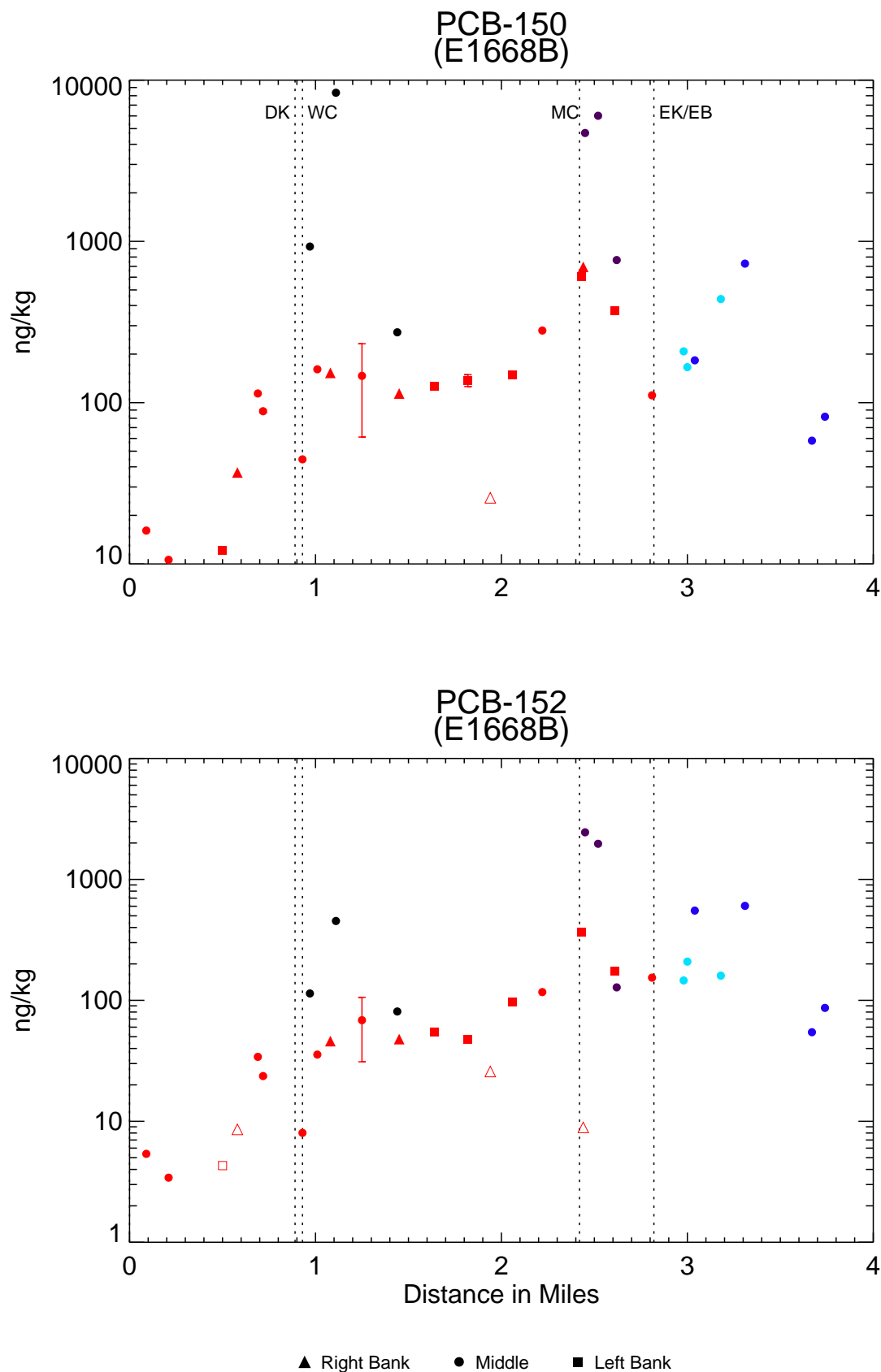
**Figure A4-249**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



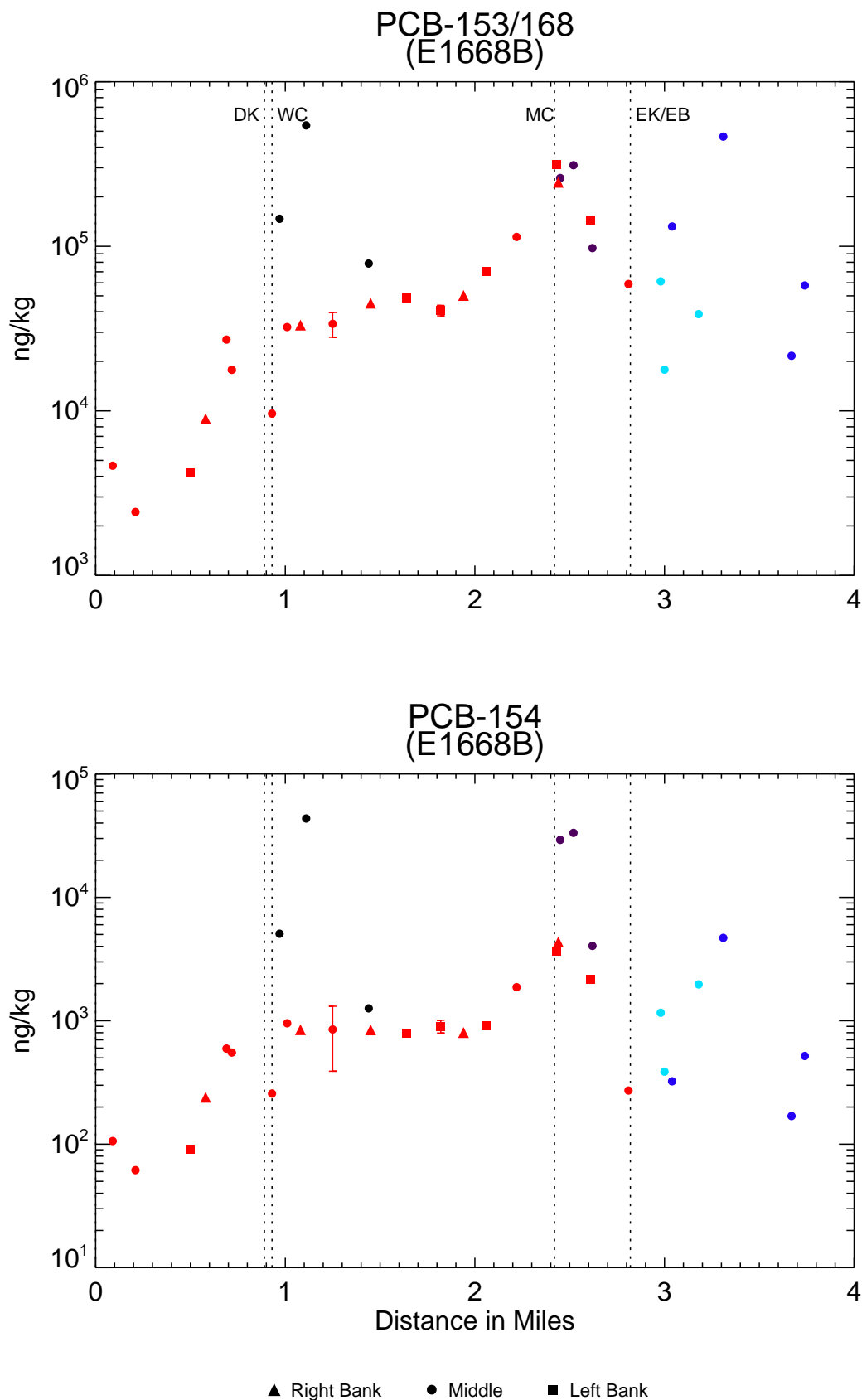
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
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- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-250
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

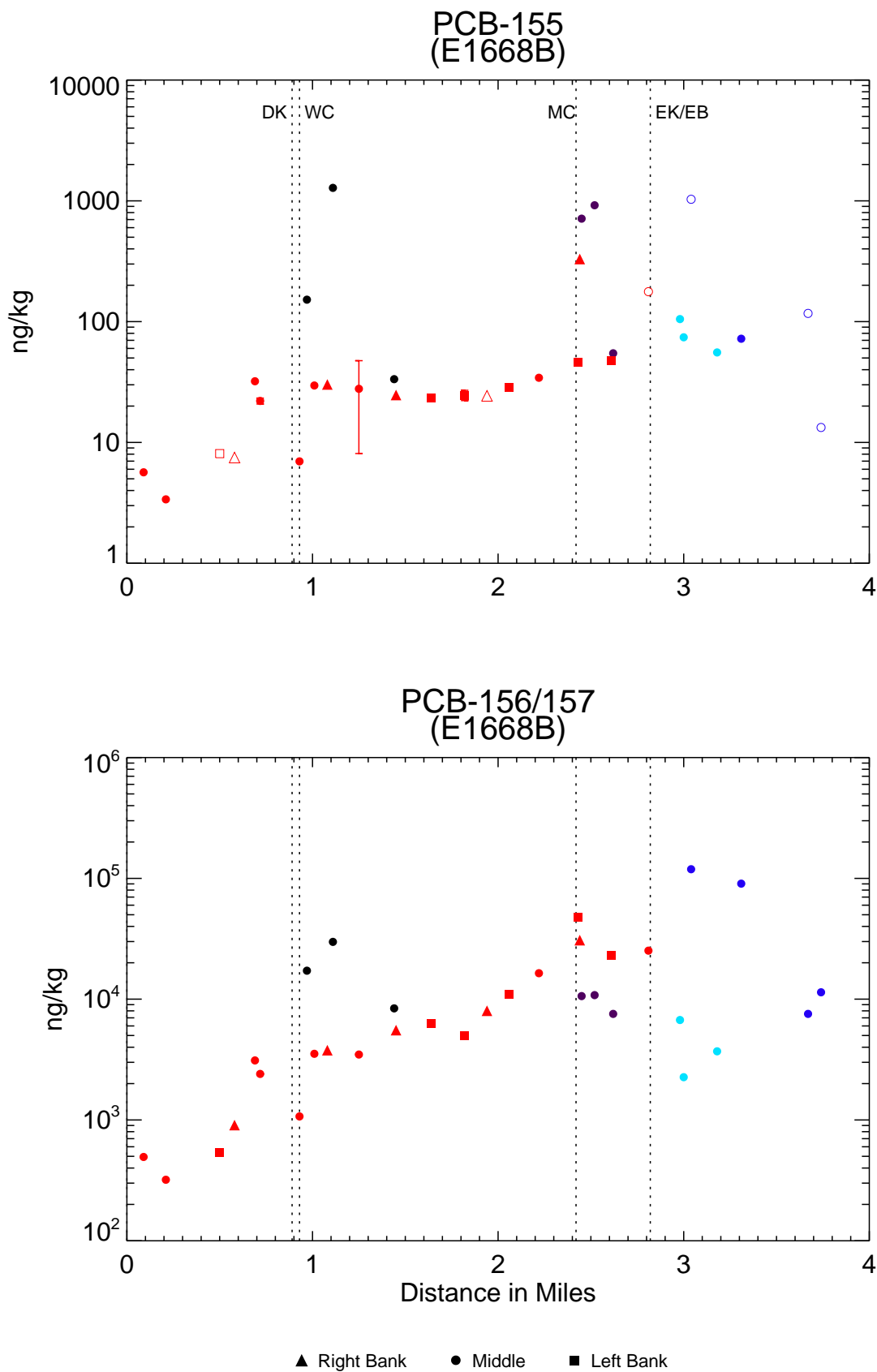
**Figure A4-251**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
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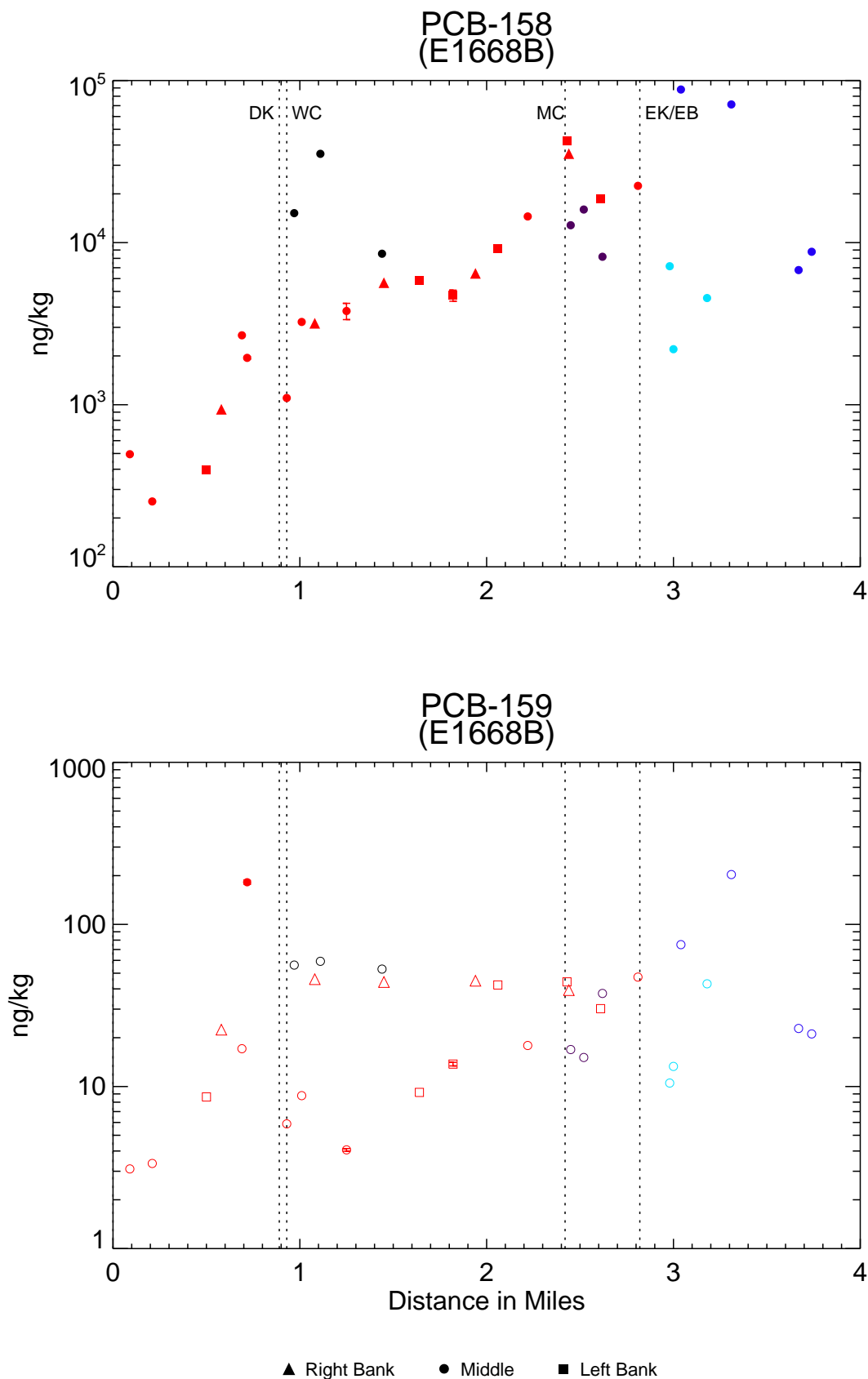
**Figure A4-252**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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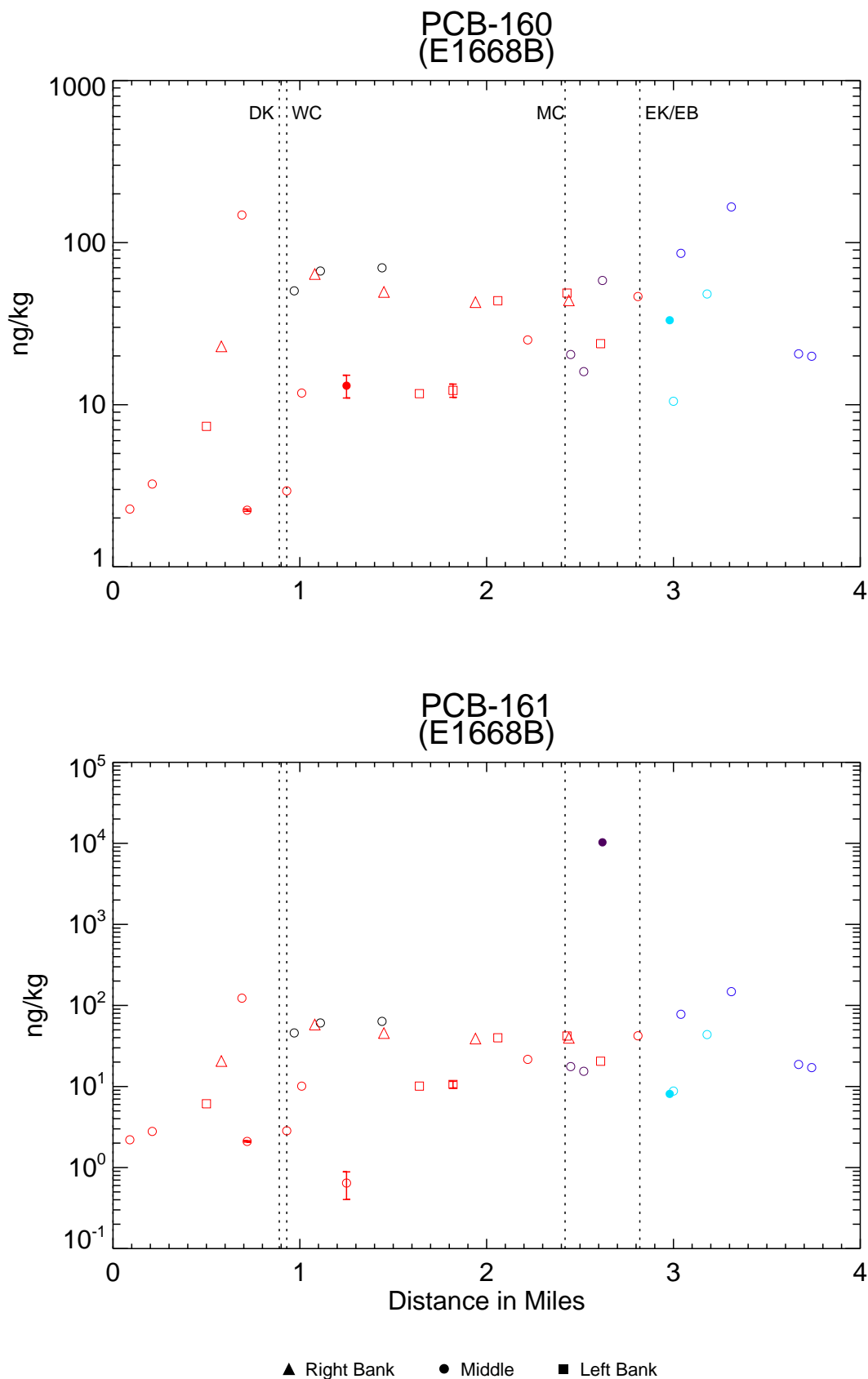
**Figure A4-253**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

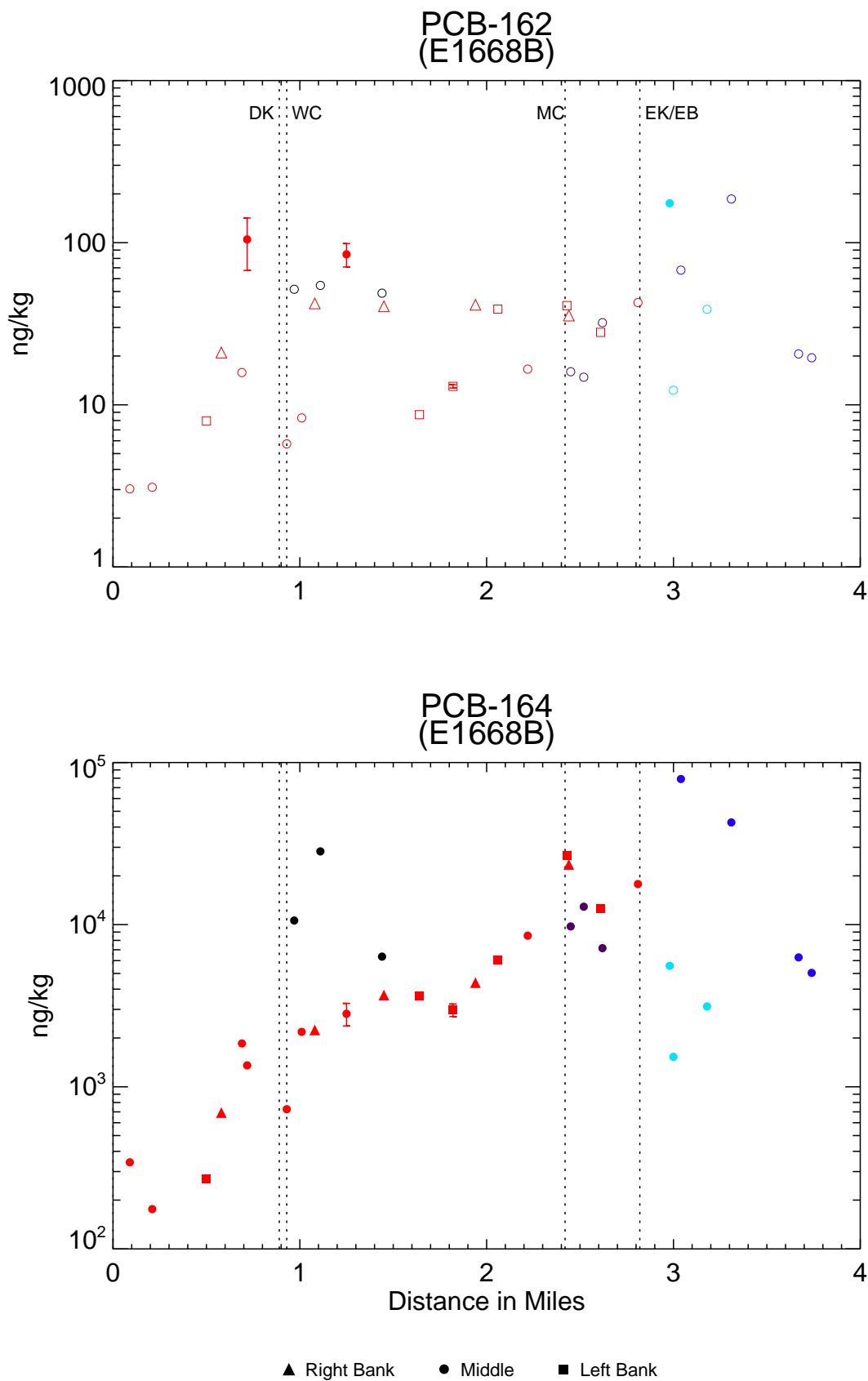
**Figure A4-254**

**Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS**

- Newtown Creek
- Dutch Kills (0.89 mi)
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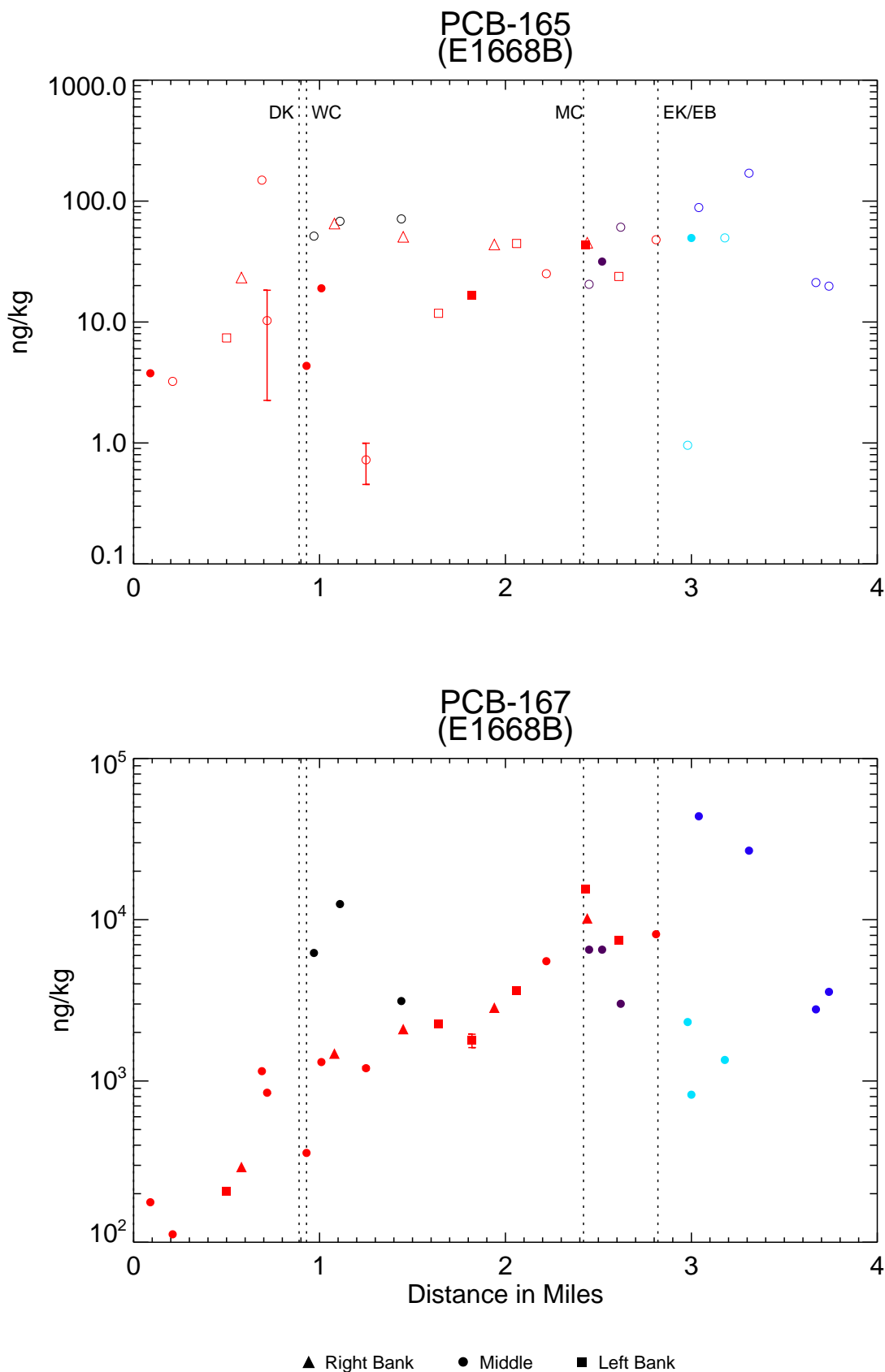
**Figure A4-255**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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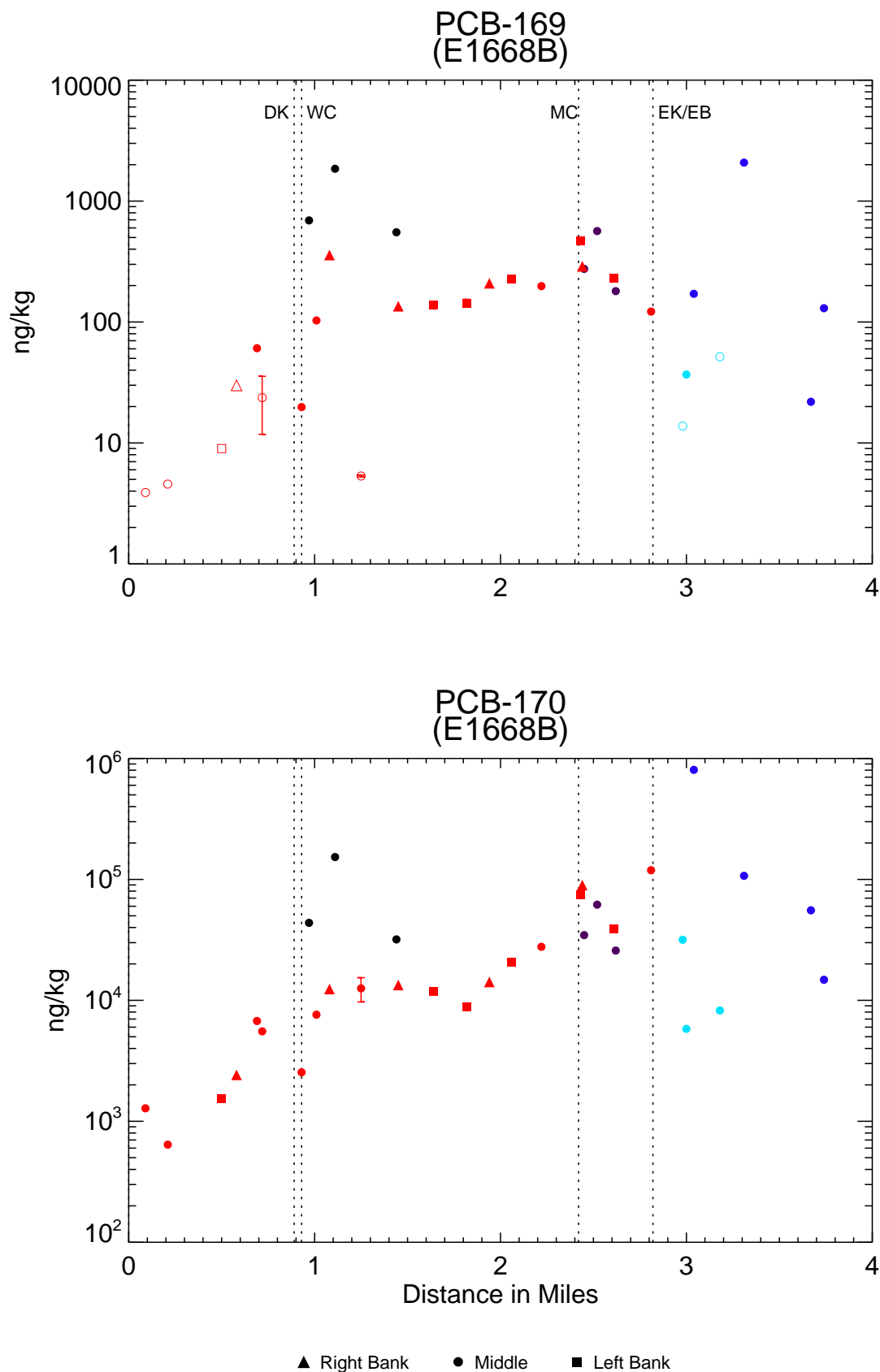
**Figure A4-256**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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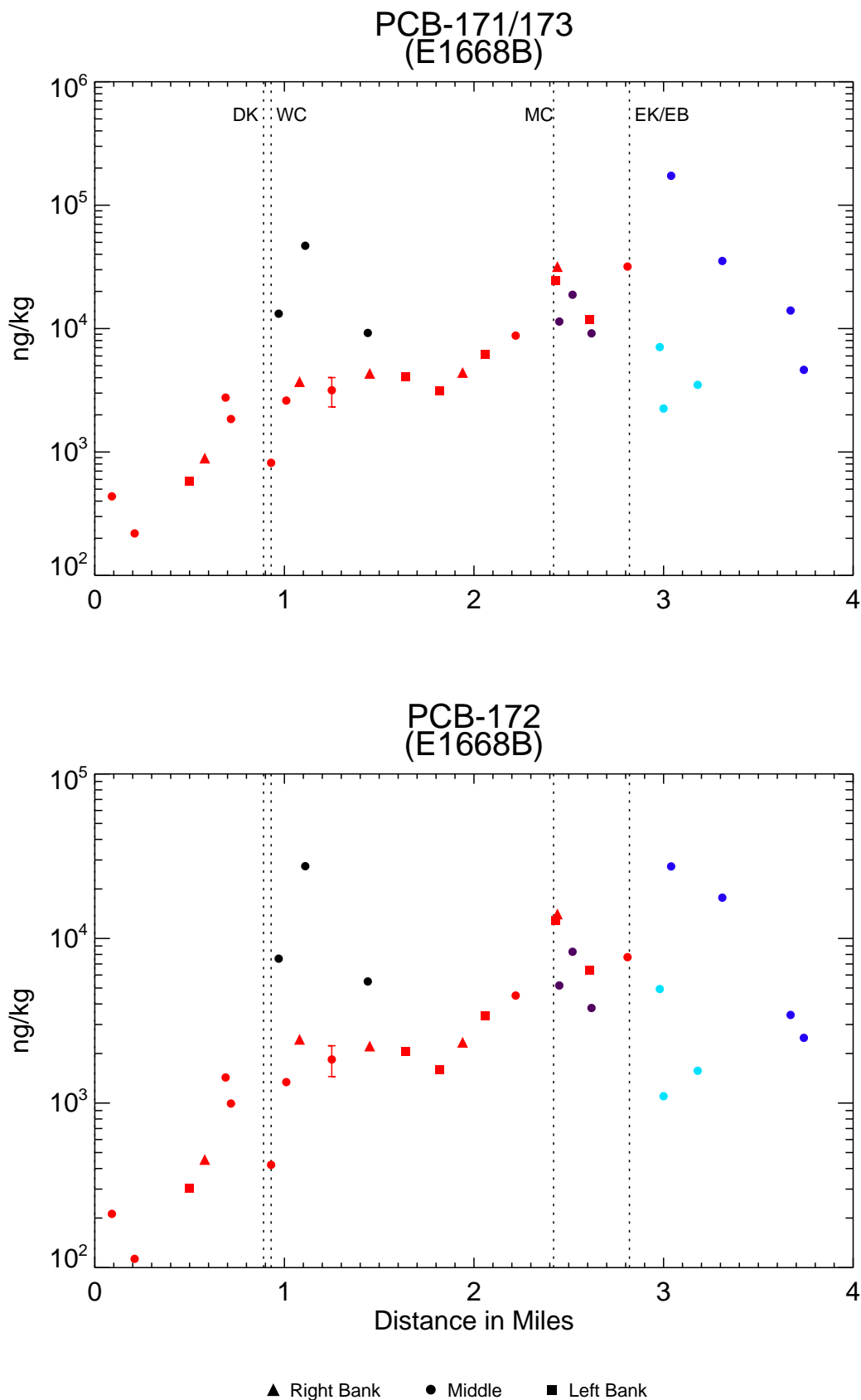
**Figure A4-257**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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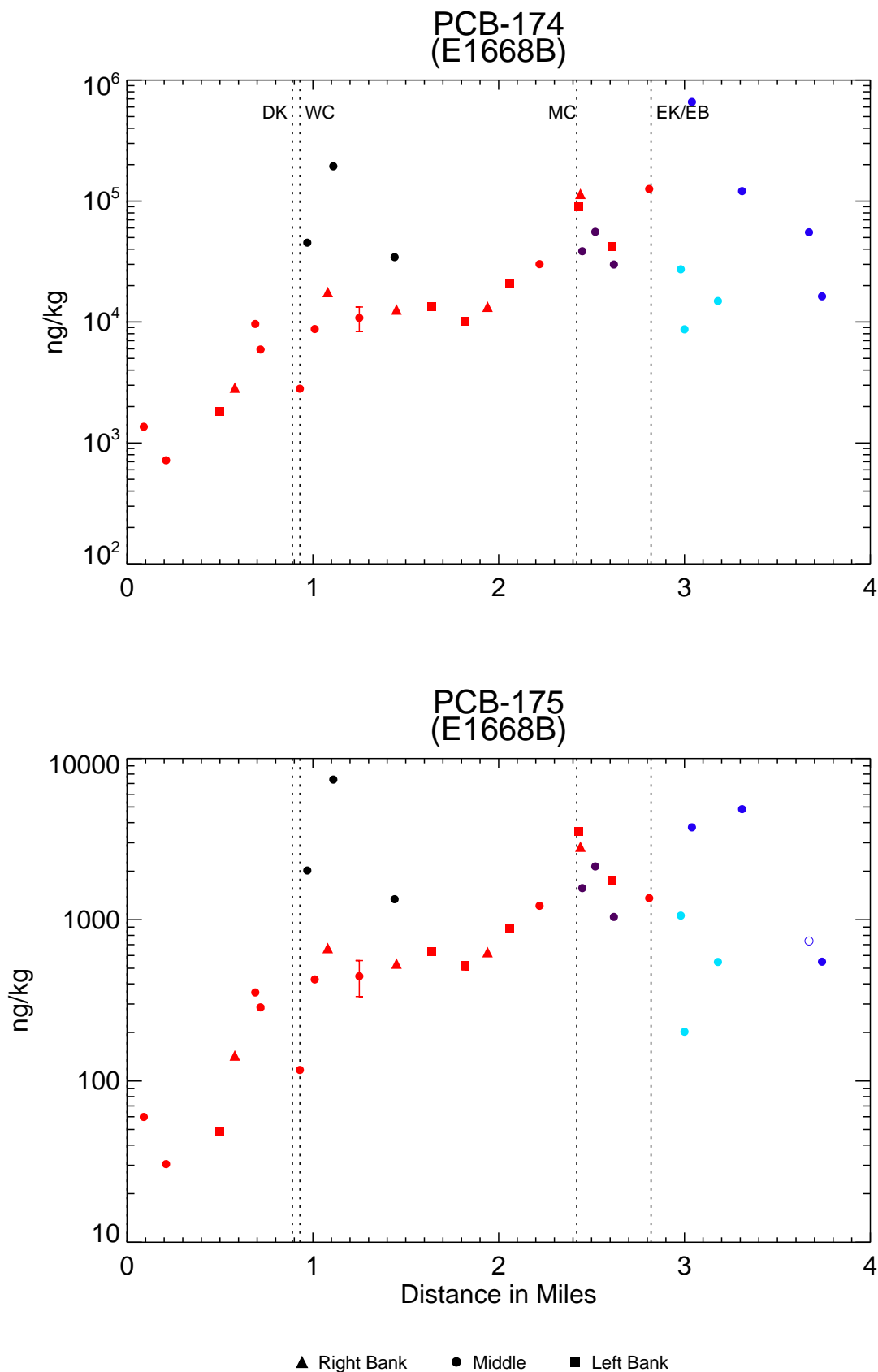
**Figure A4-258**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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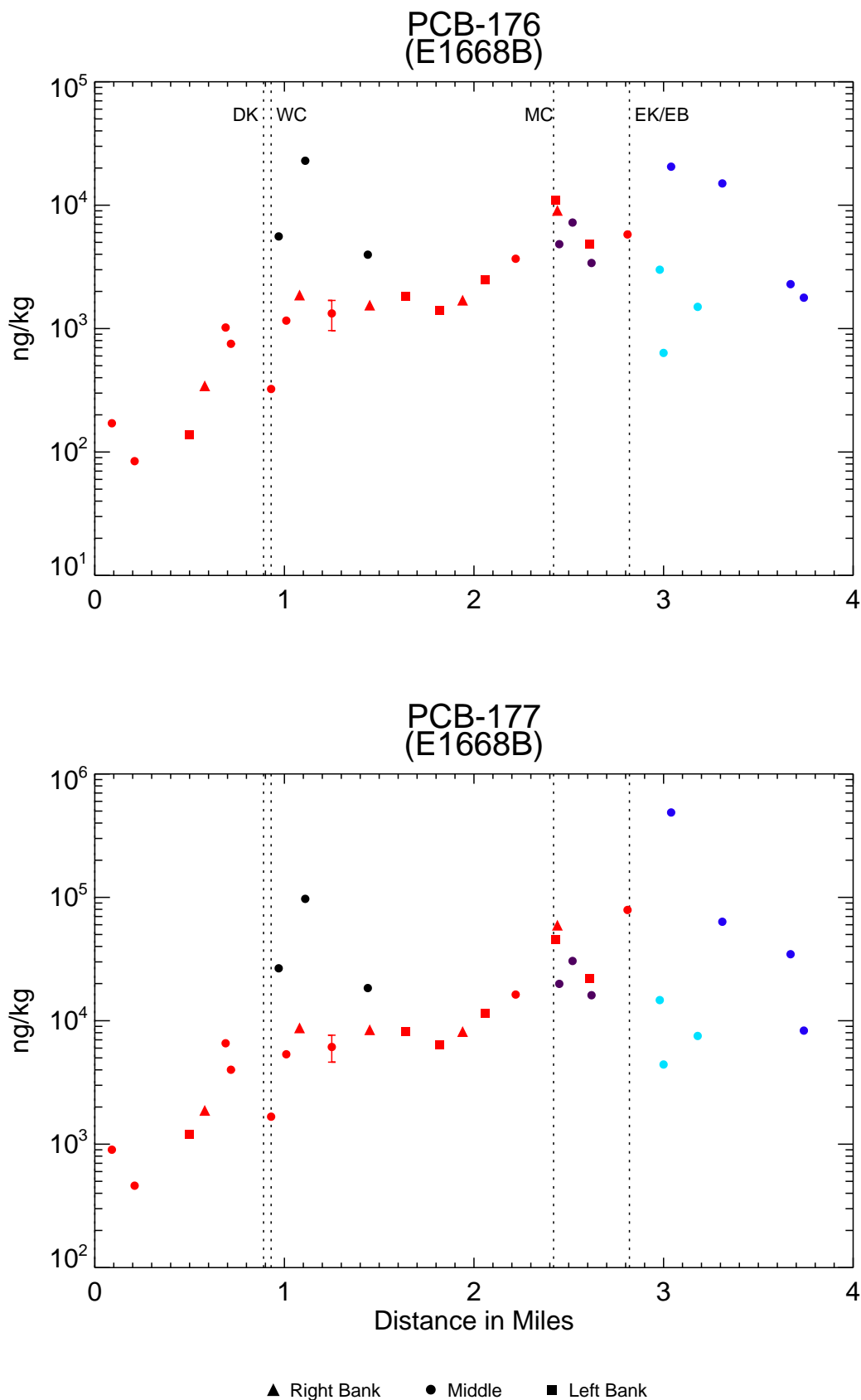
**Figure A4-259**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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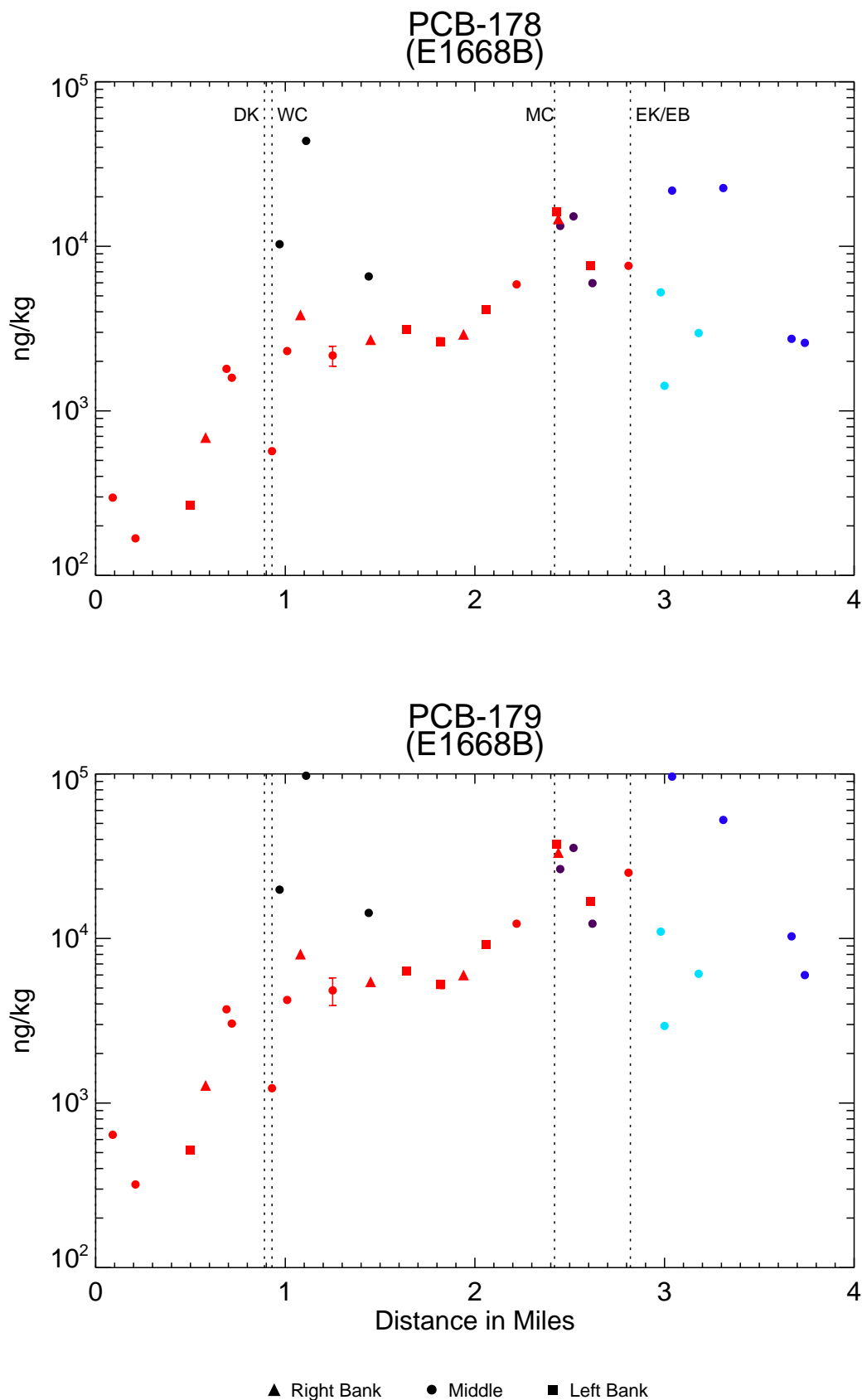
**Figure A4-260**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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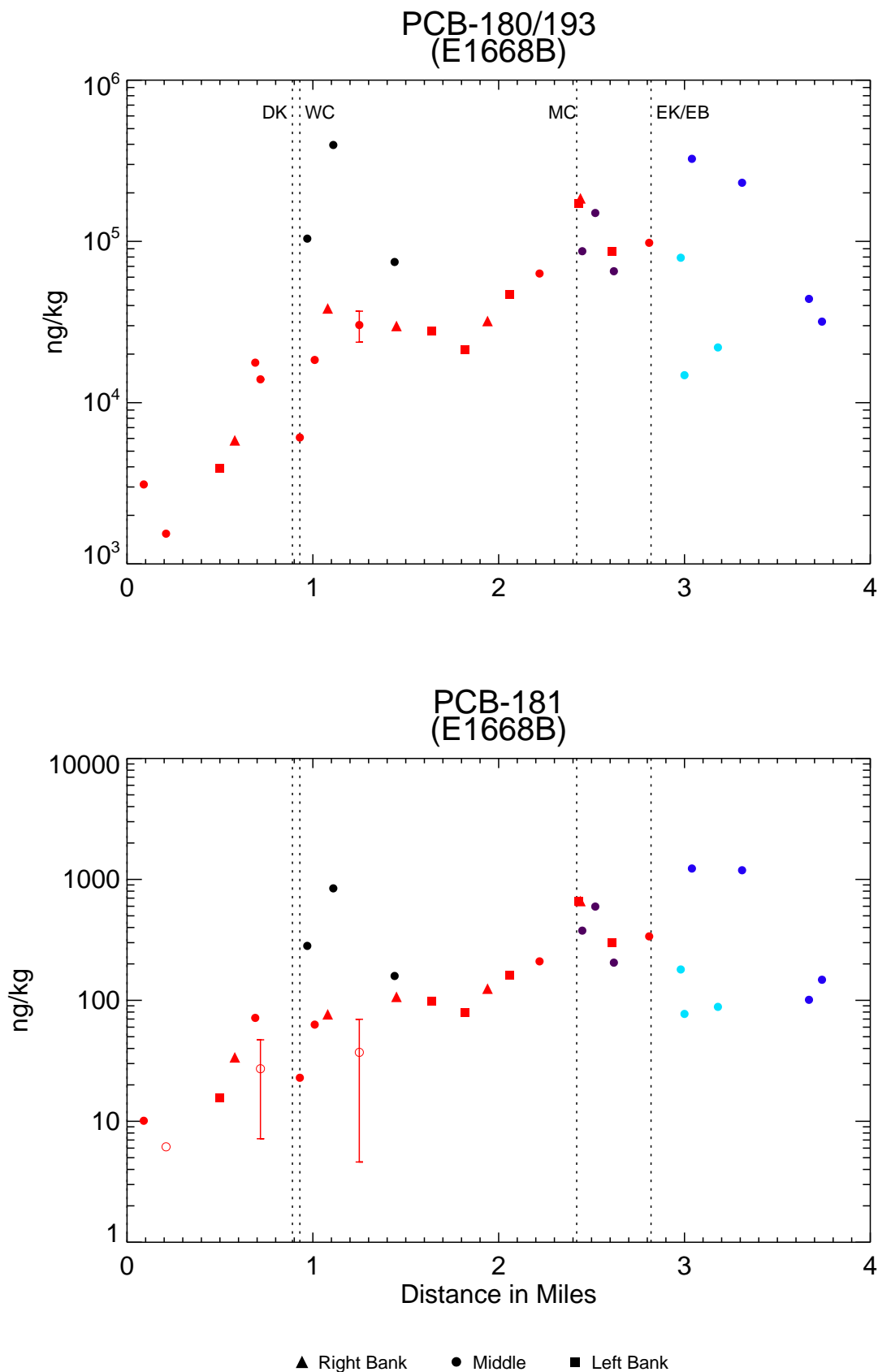
**Figure A4-261**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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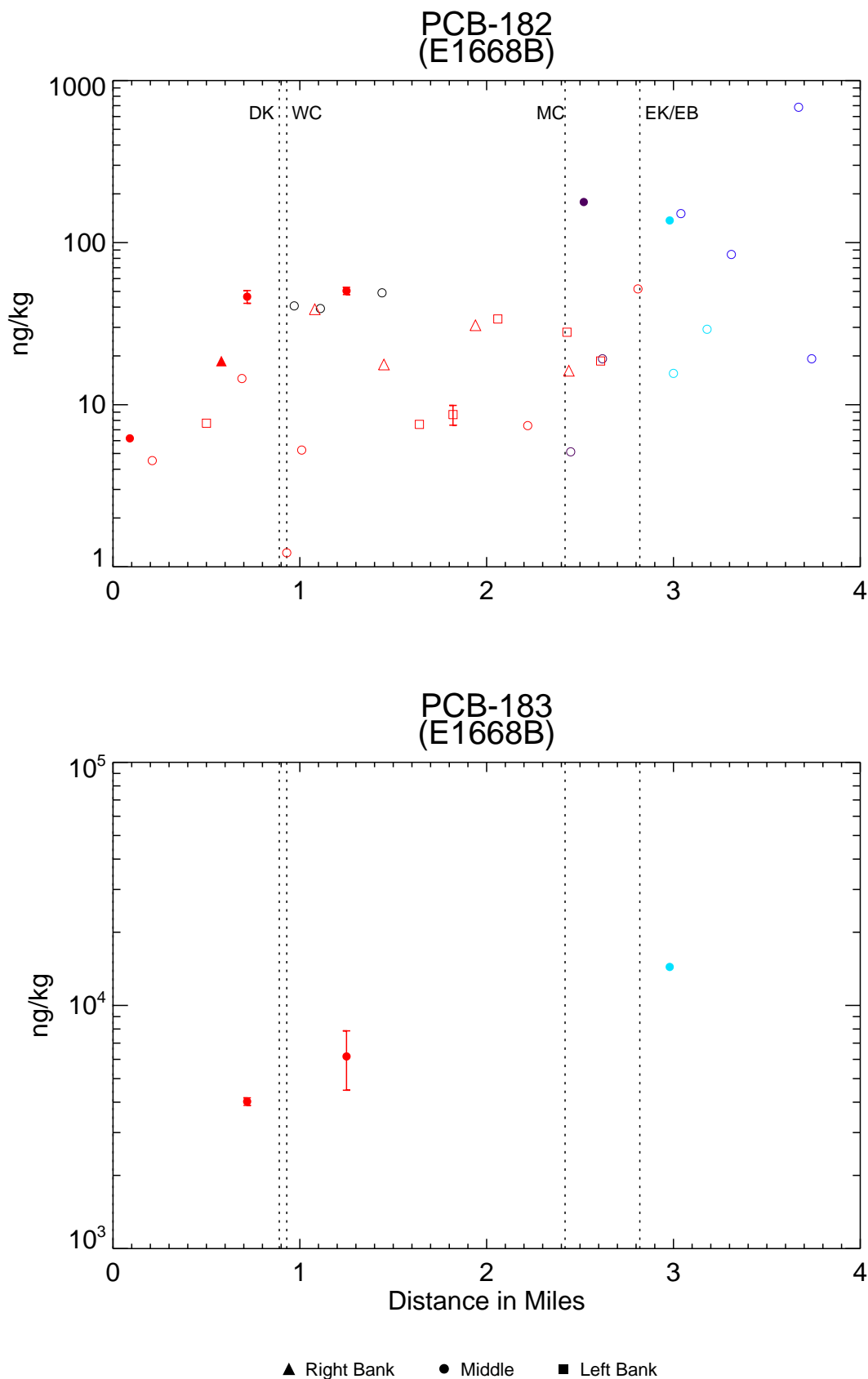
**Figure A4-262**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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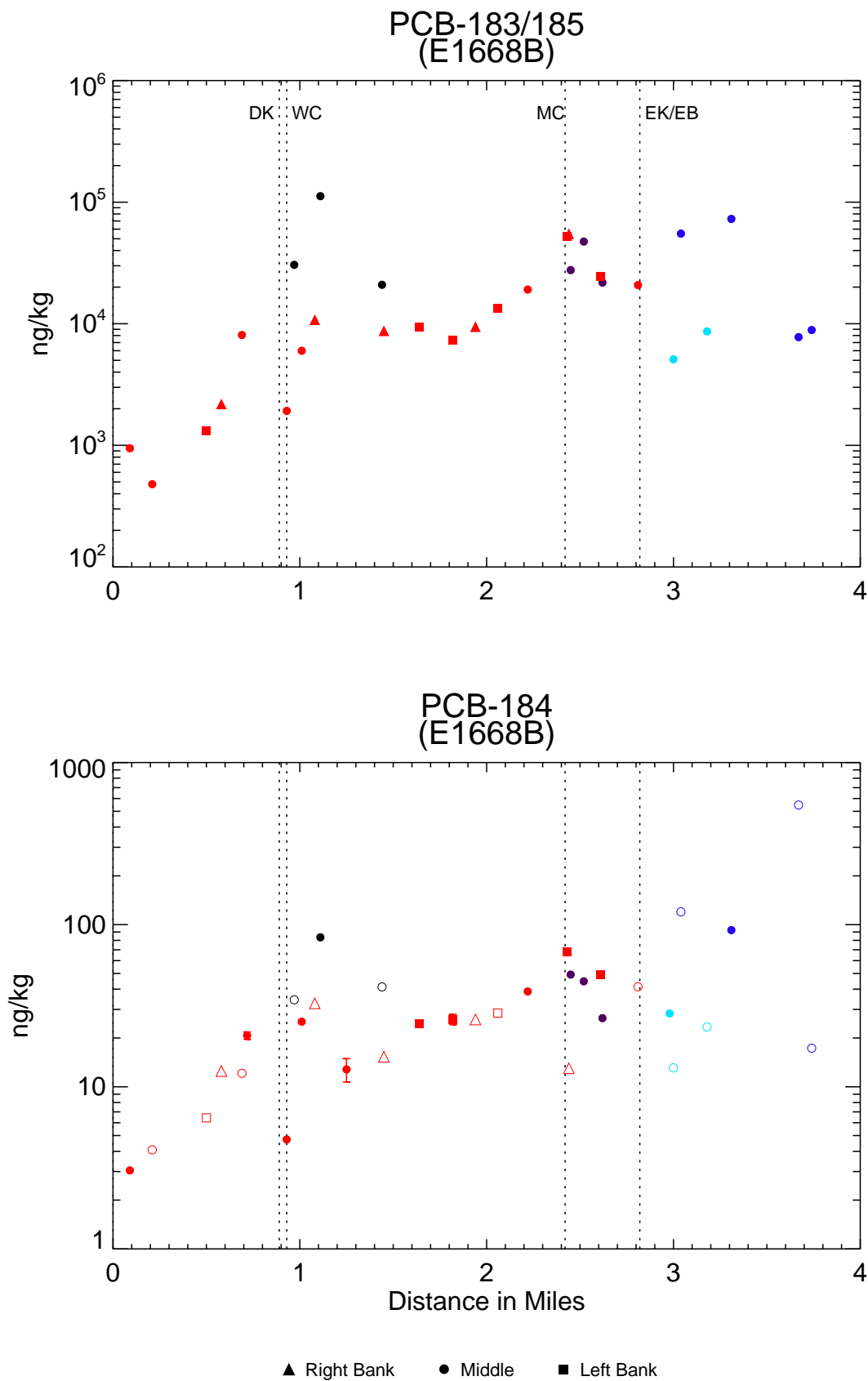
**Figure A4-263**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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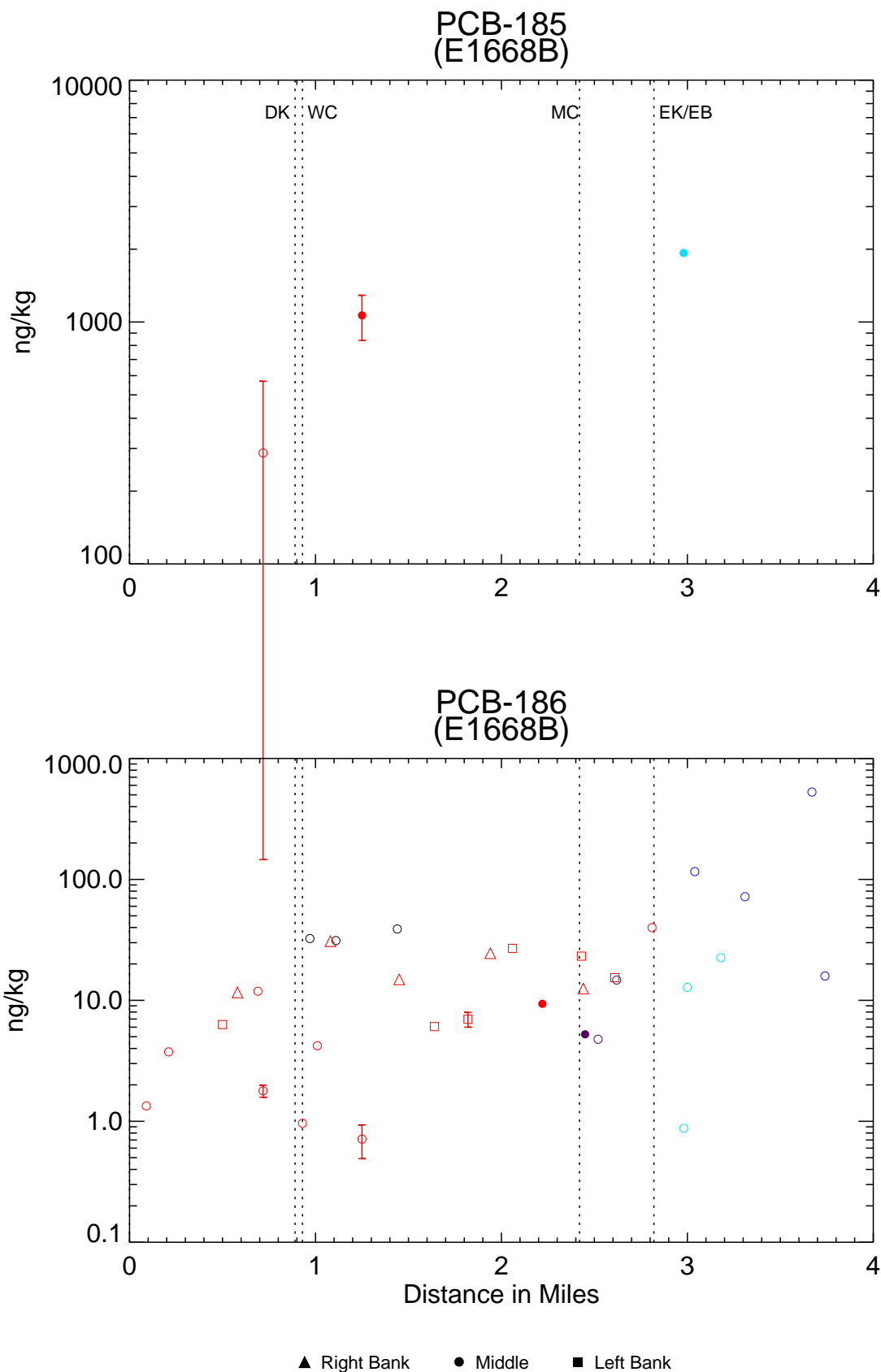
**Figure A4-264**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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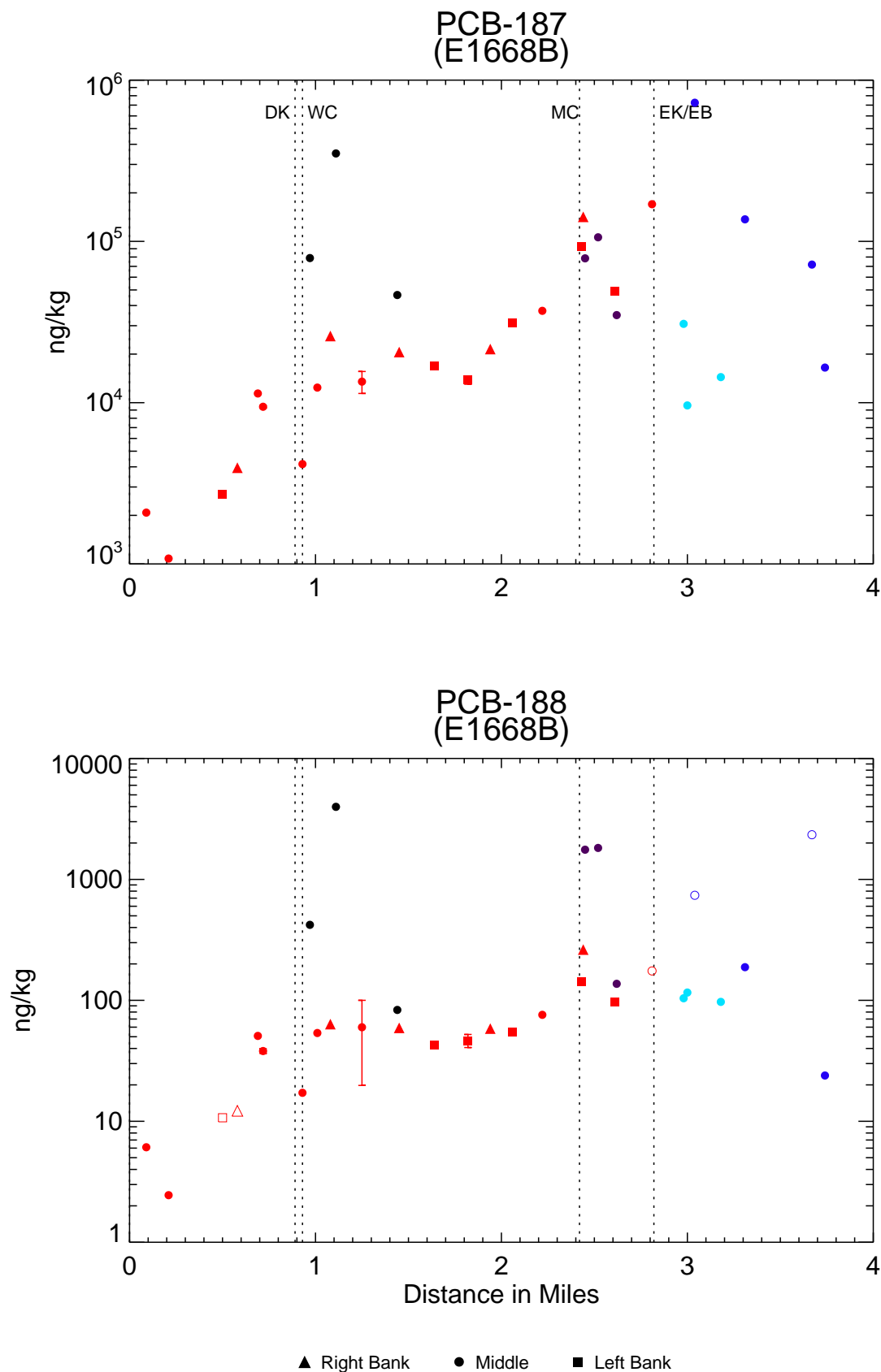
**Figure A4-265**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

- Newtown Creek
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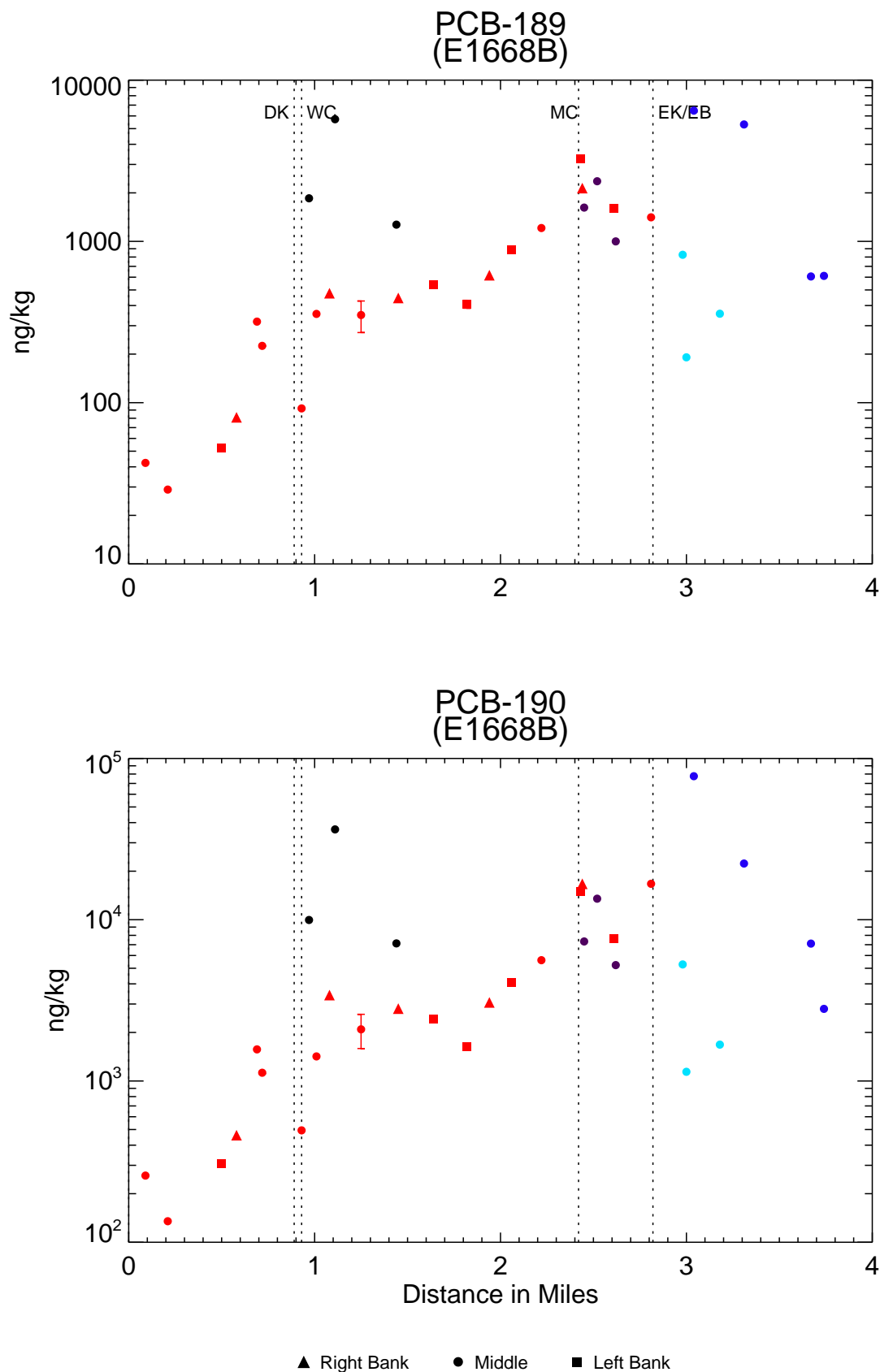
**Figure A4-266**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

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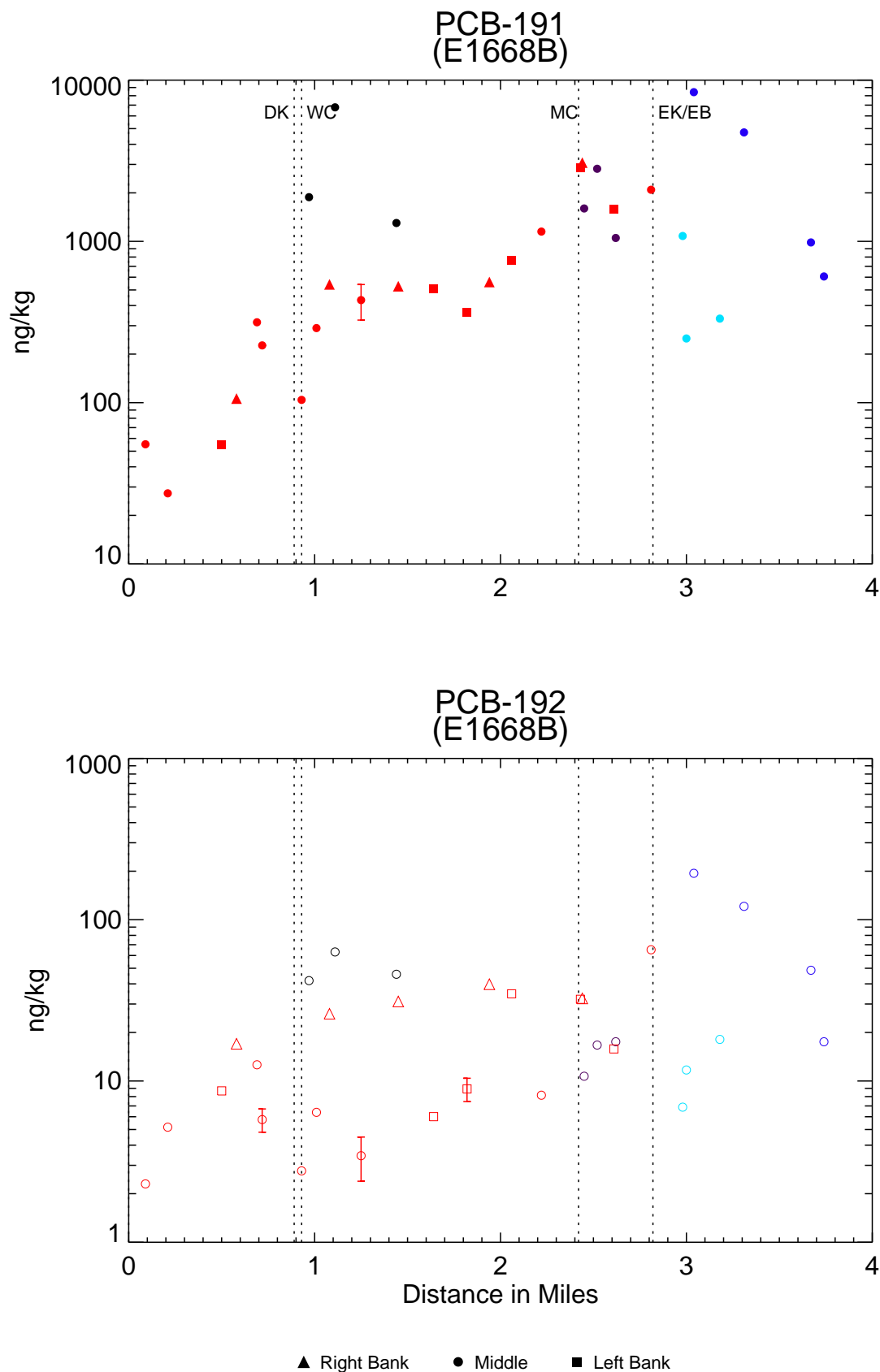
**Figure A4-267**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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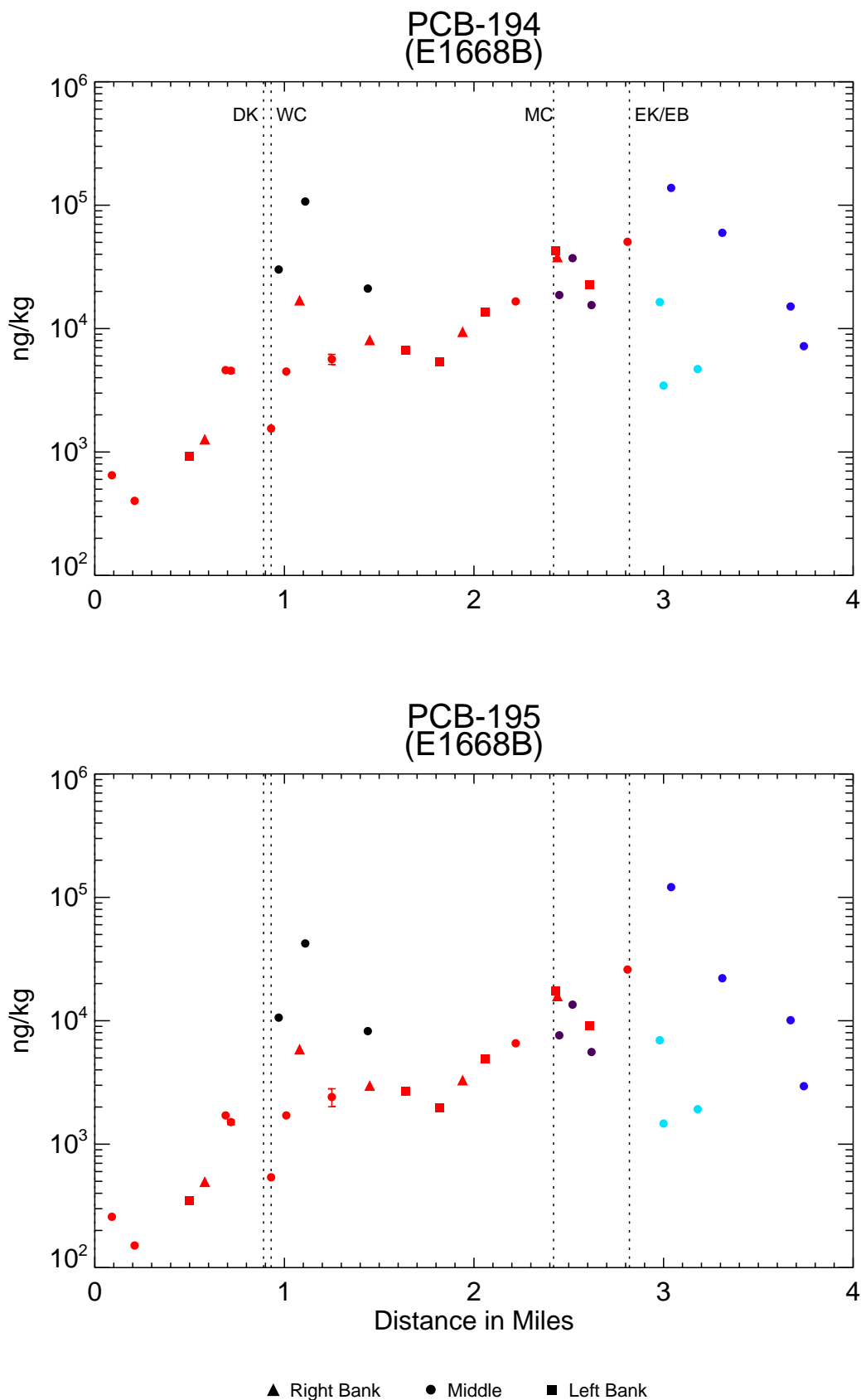
**Figure A4-268**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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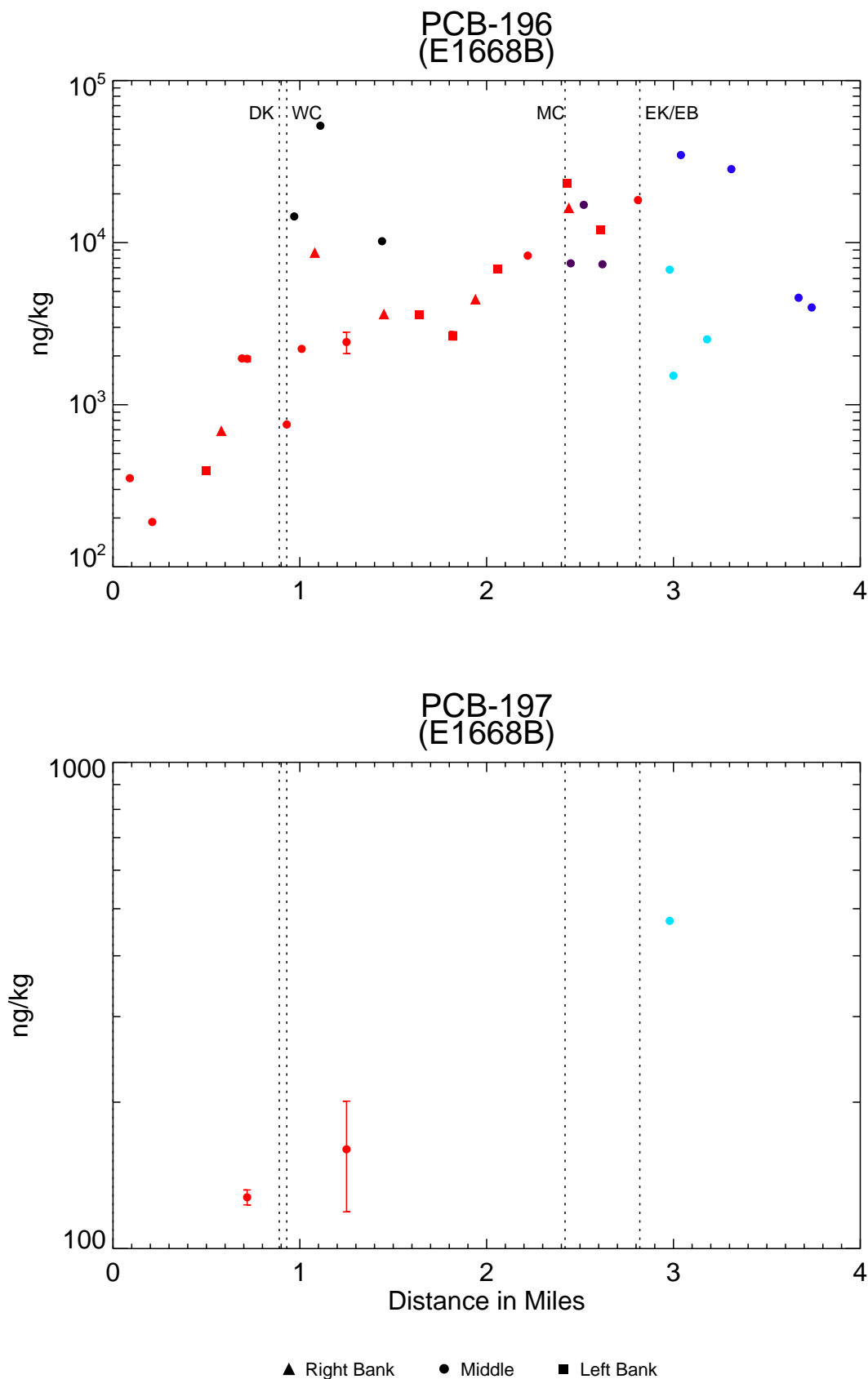
**Figure A4-269**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
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Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

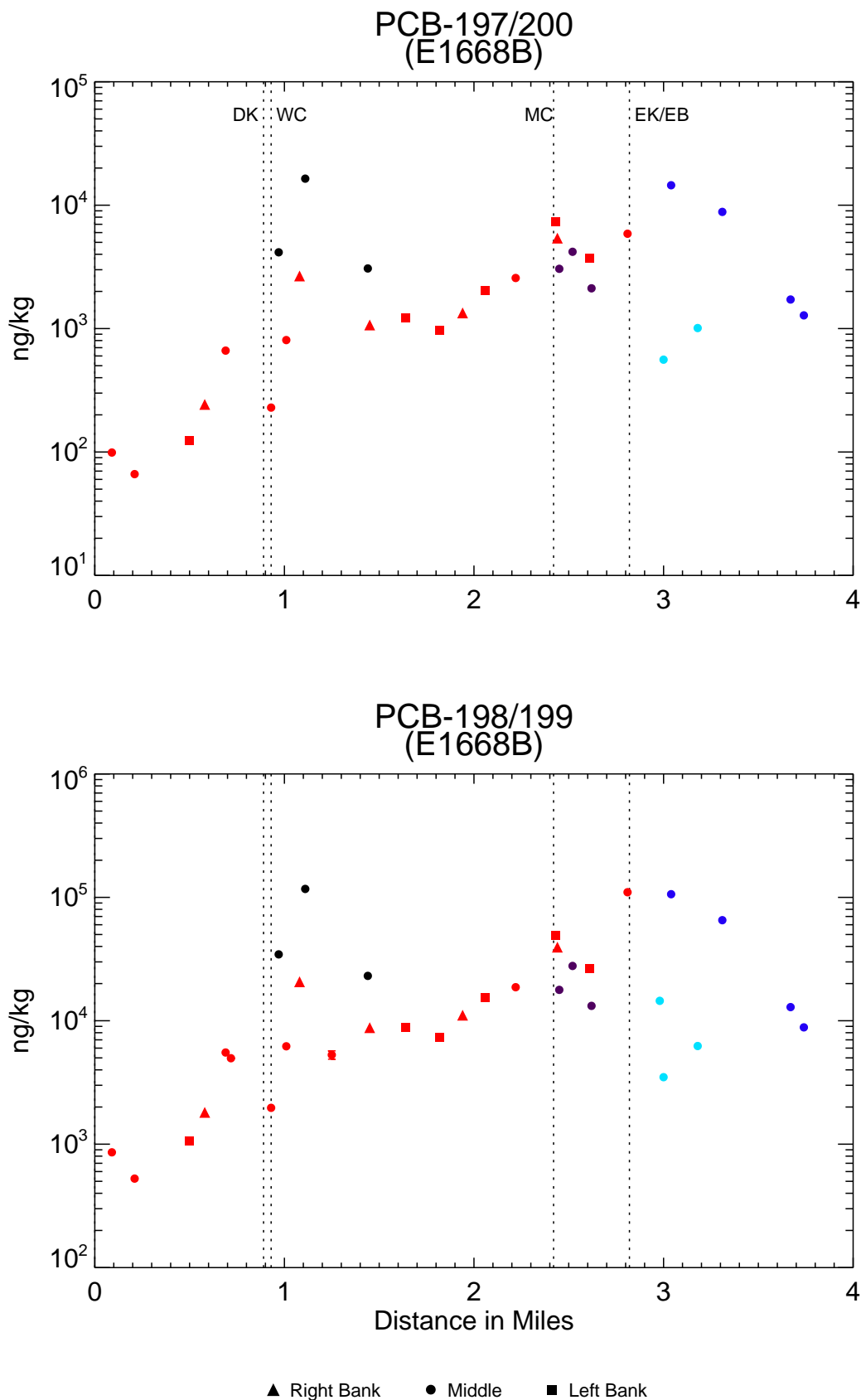
**Figure A4-270**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93 mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

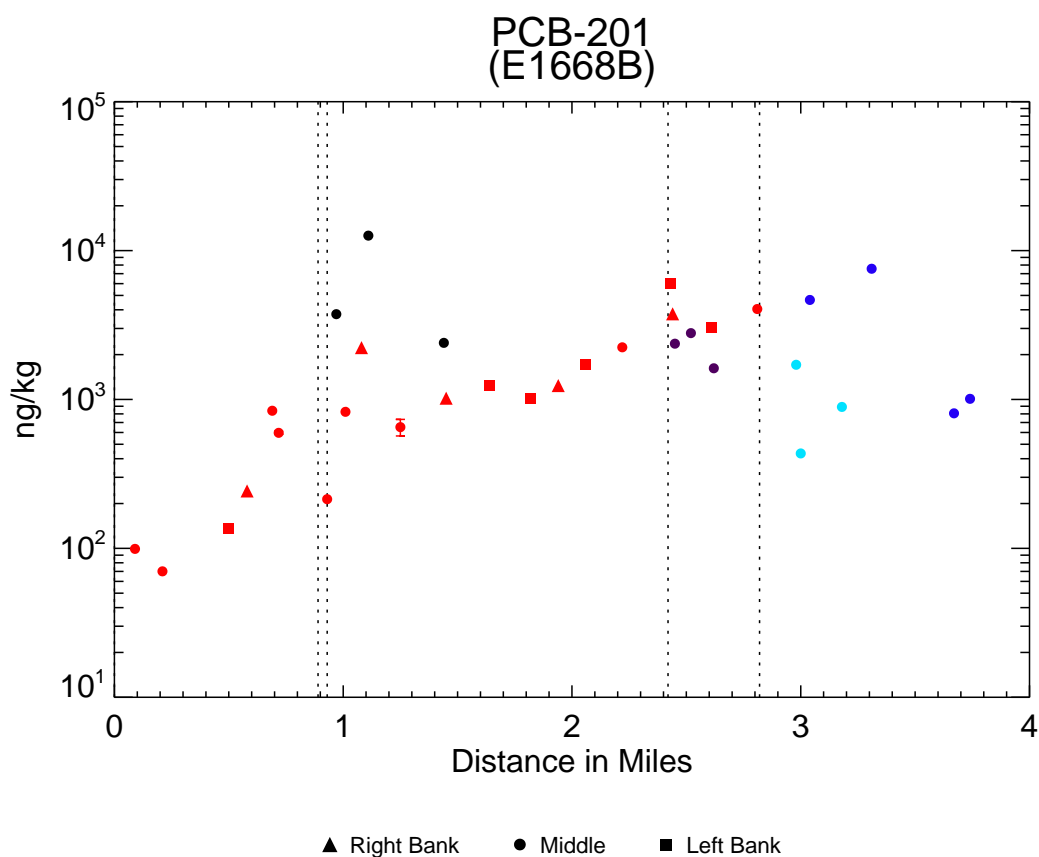
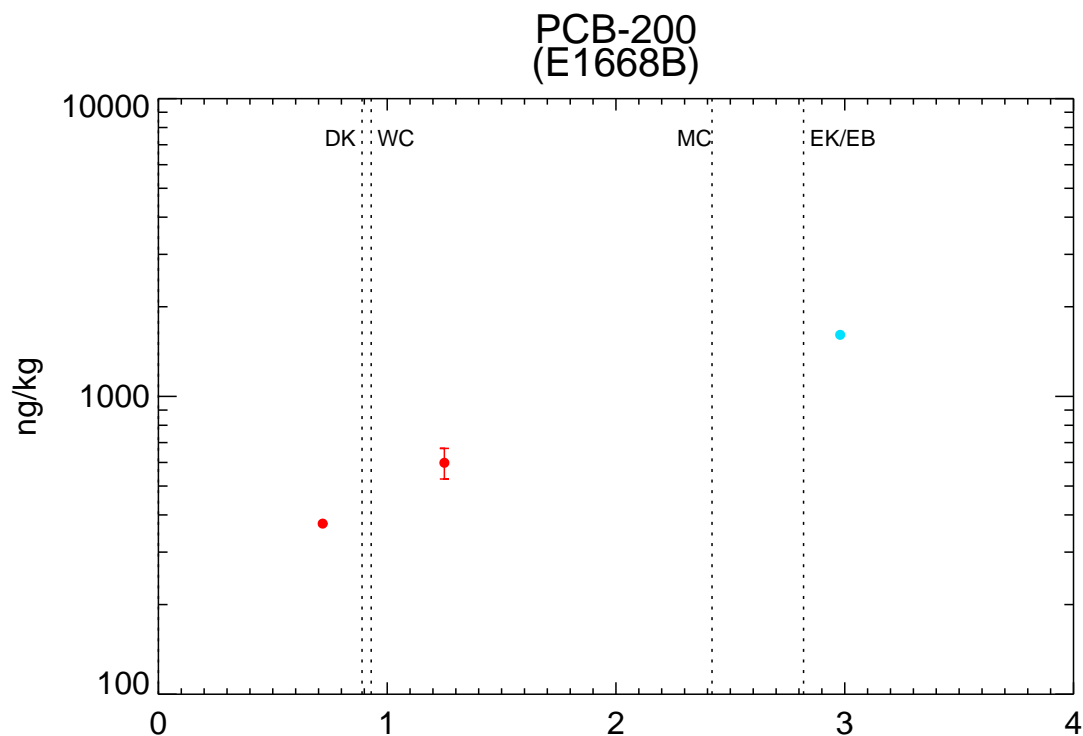
**Figure A4-271**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

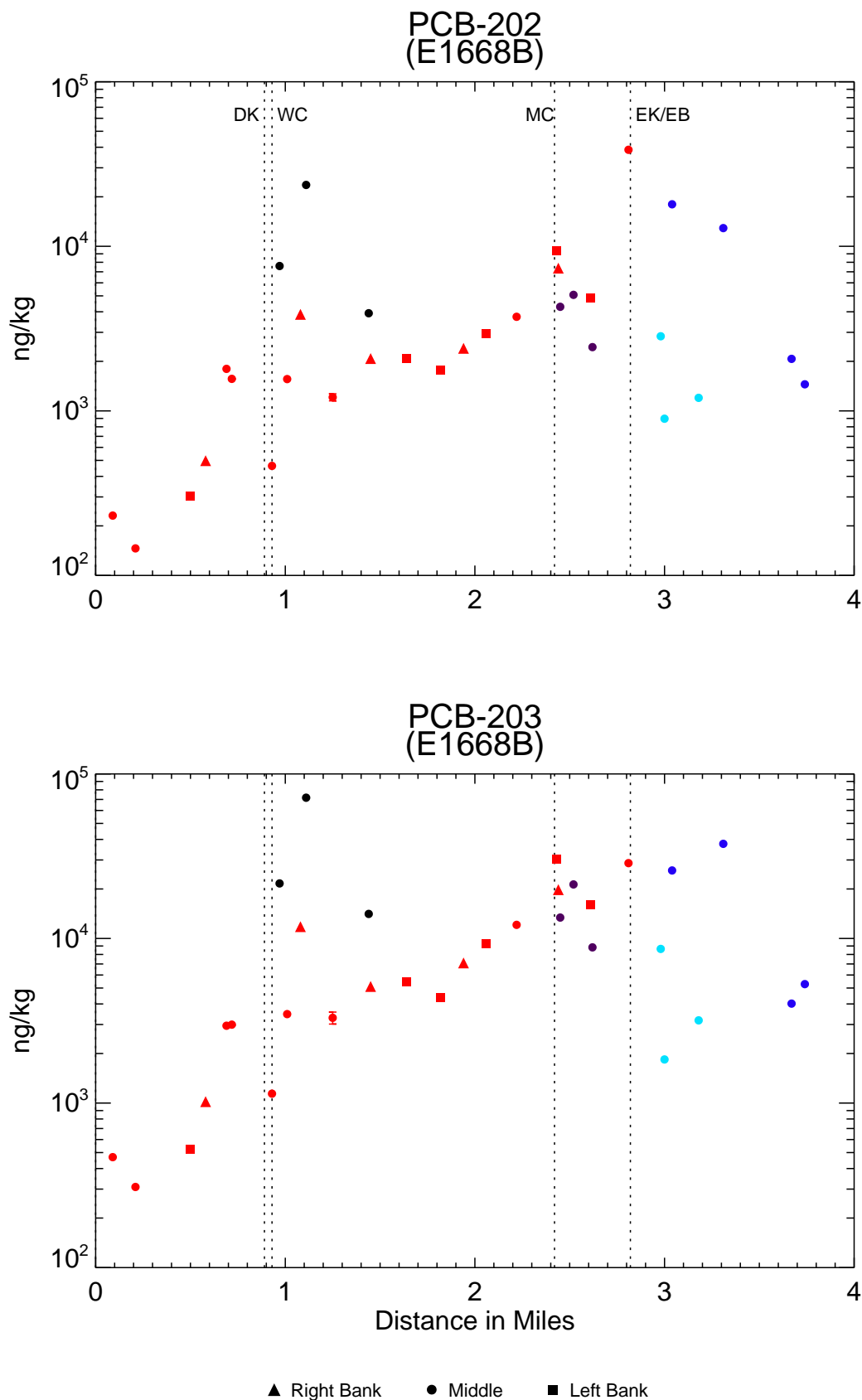
**Figure A4-272**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

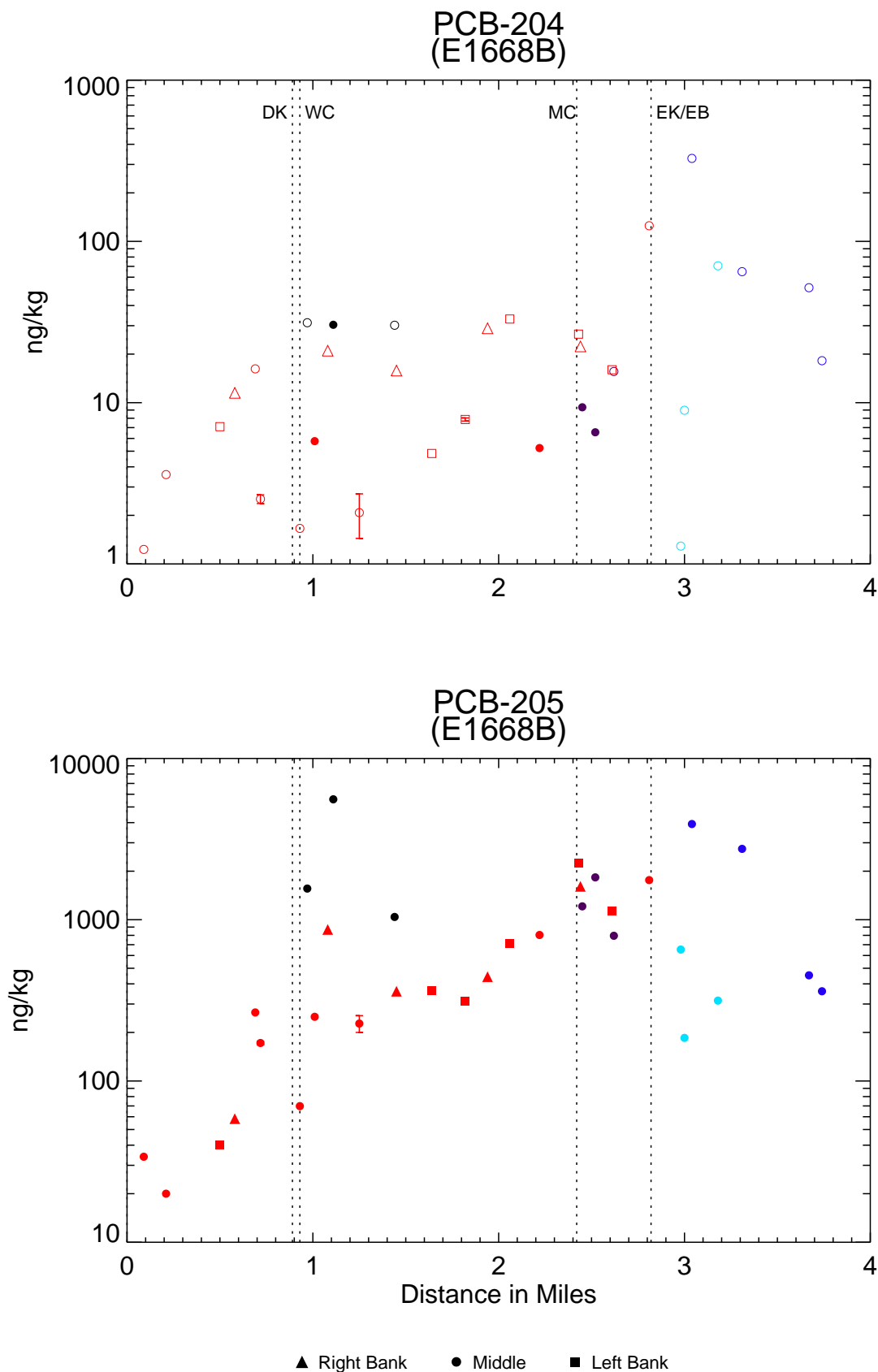
**Figure A4-273**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

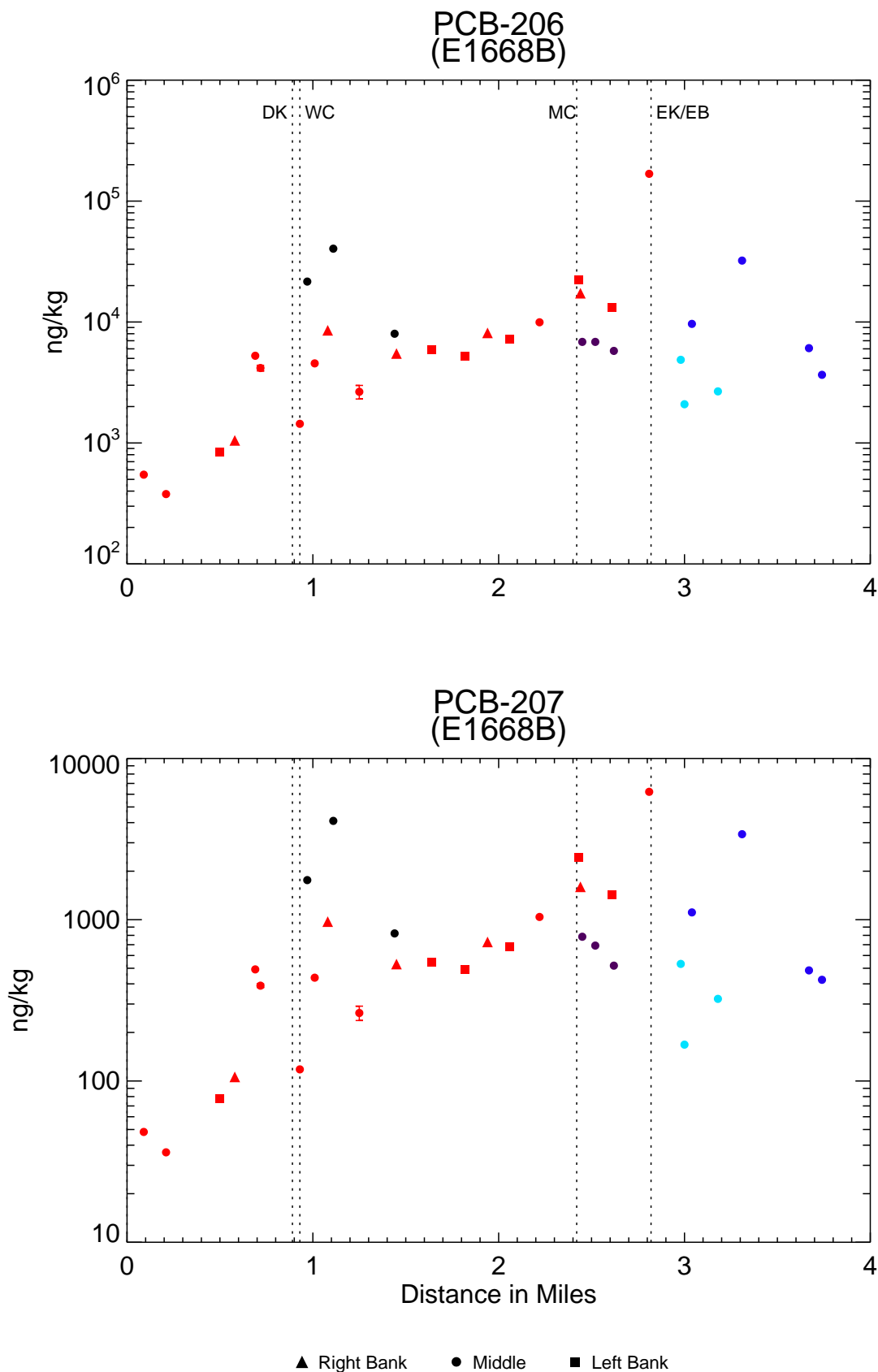
**Figure A4-274**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

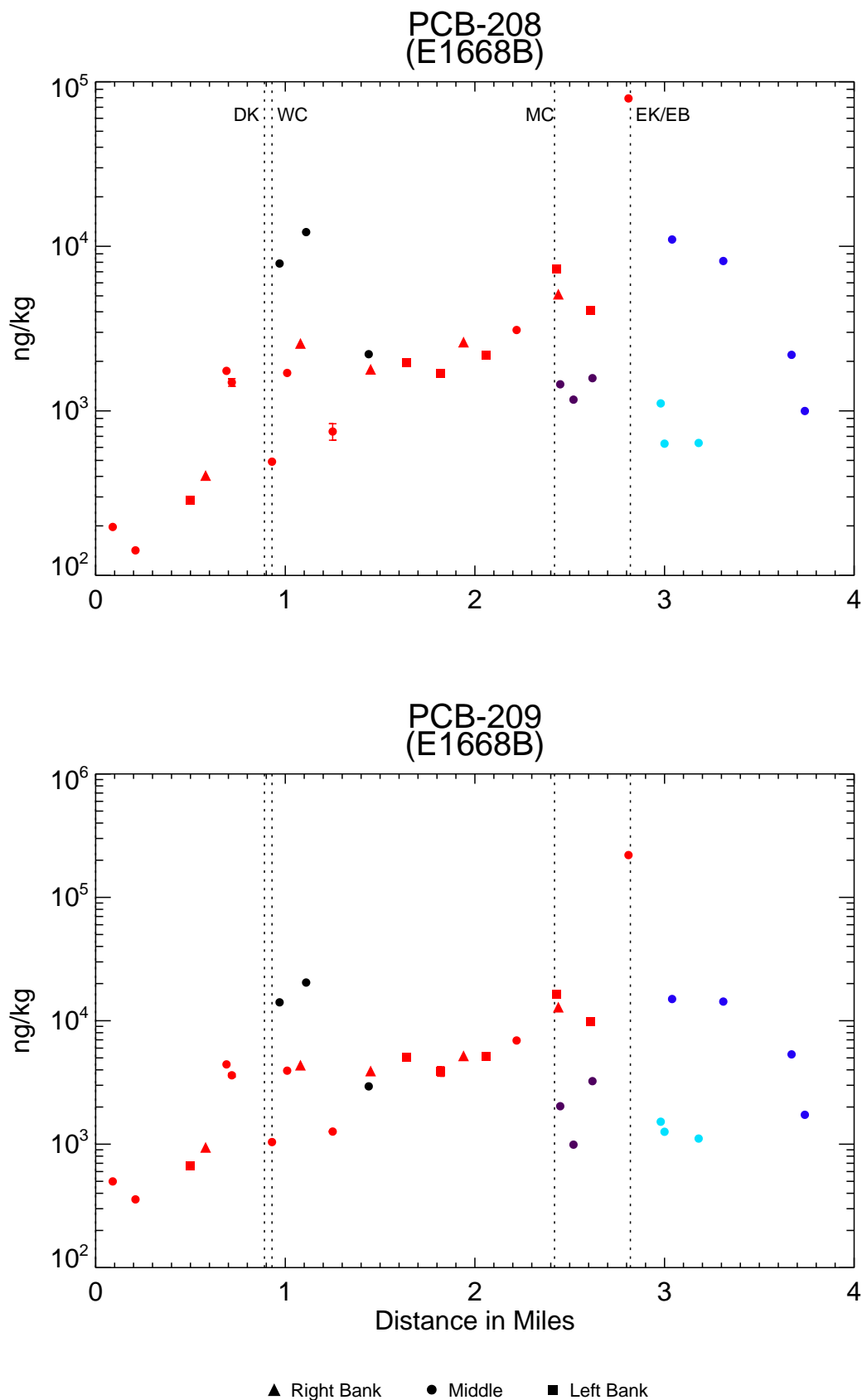
**Figure A4-275**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-276**

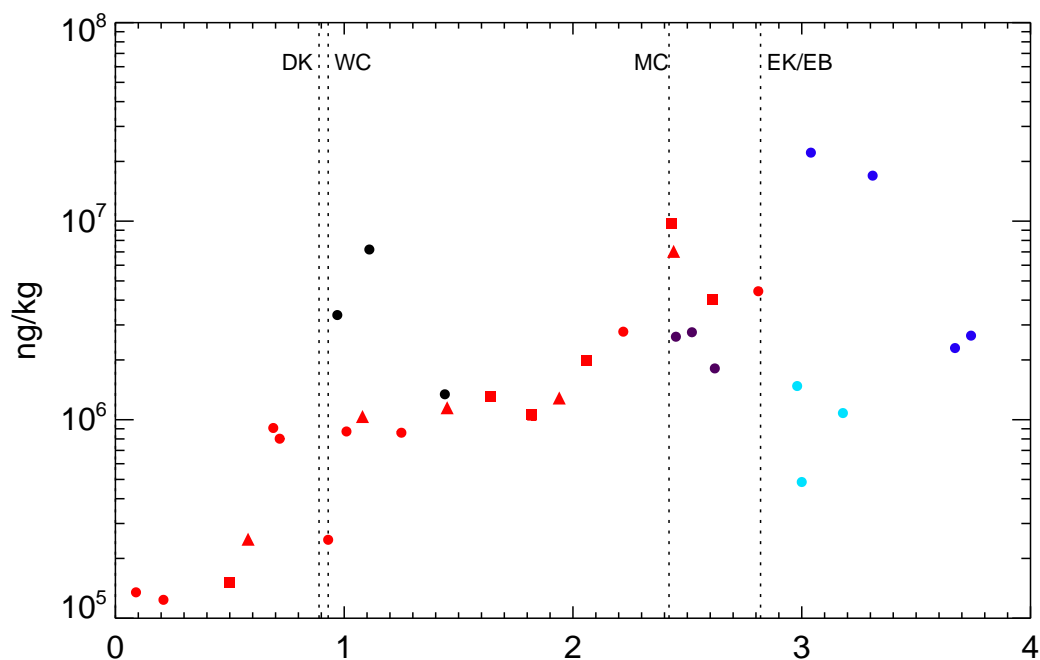
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



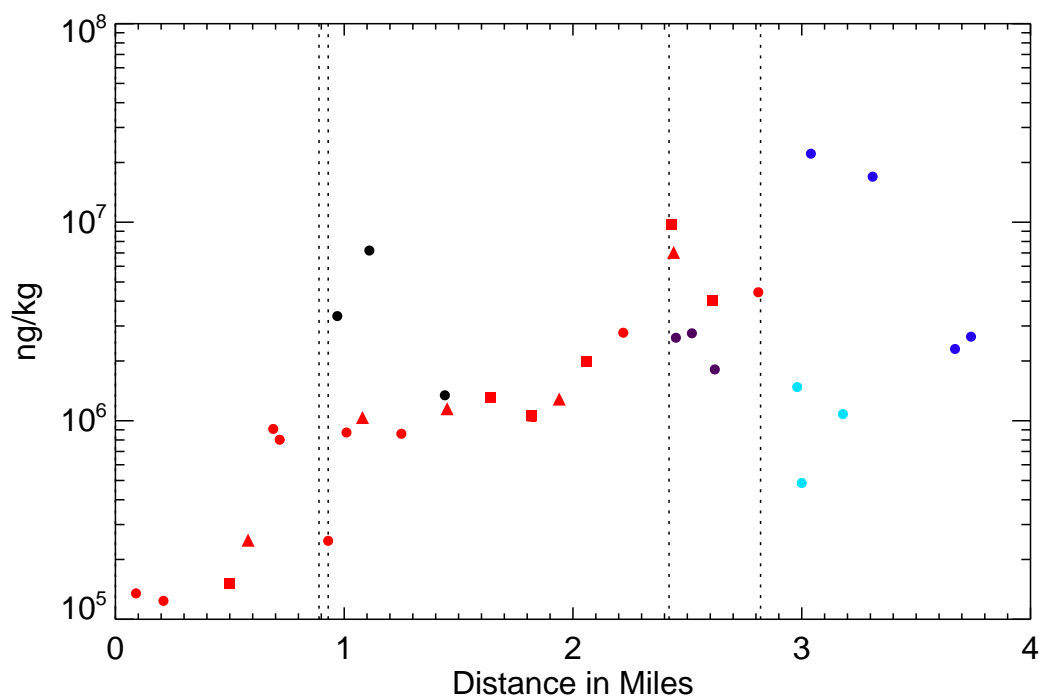
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total PCB Congener (U = 0) (MDL)



Total PCB Congener (U = 1/2) (MDL)



▲ Right Bank ● Middle ■ Left Bank

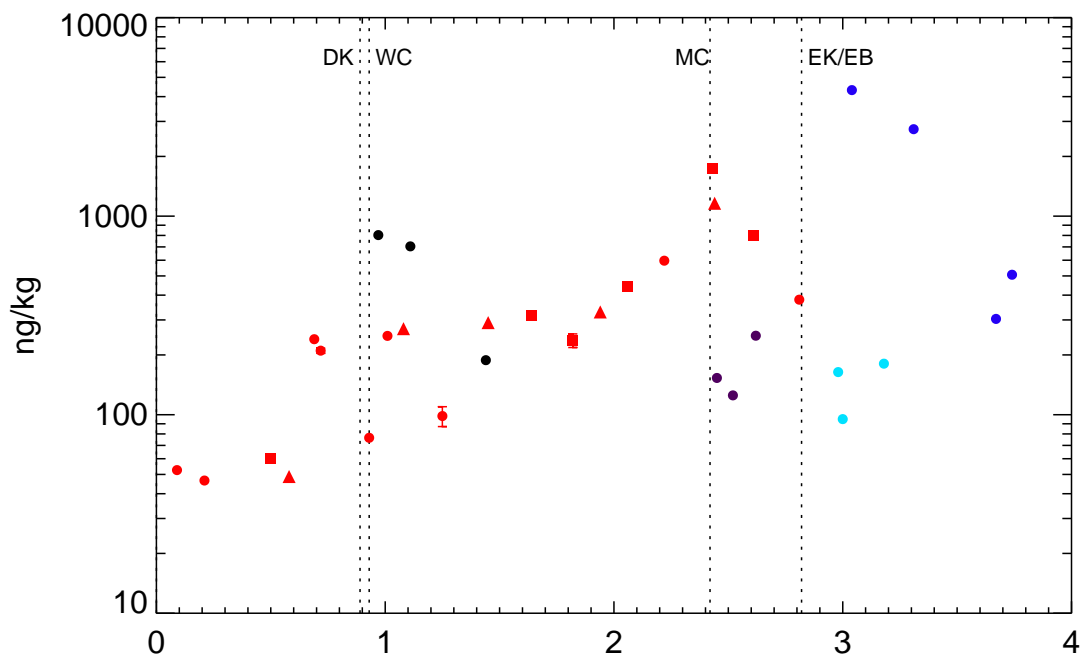


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

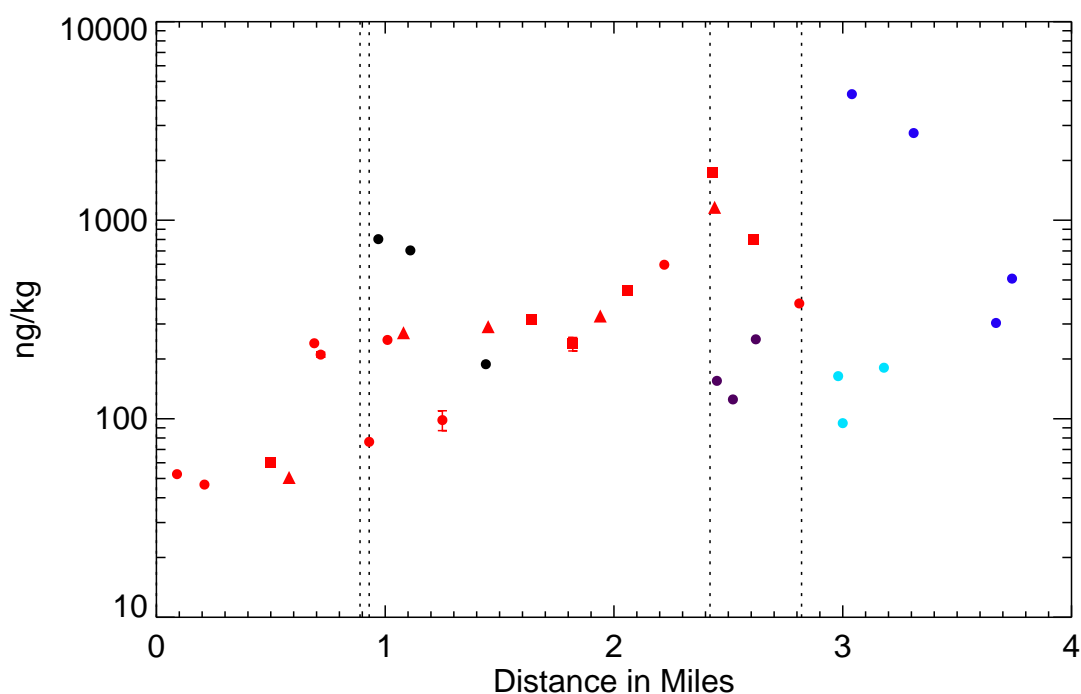
Figure A4-277
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total PCB Congener TEQ 1998 (Avian) (U = 0) (MDL)



Total PCB Congener TEQ 1998 (Avian) (U = 1/2) (MDL)



▲ Right Bank ● Middle ■ Left Bank

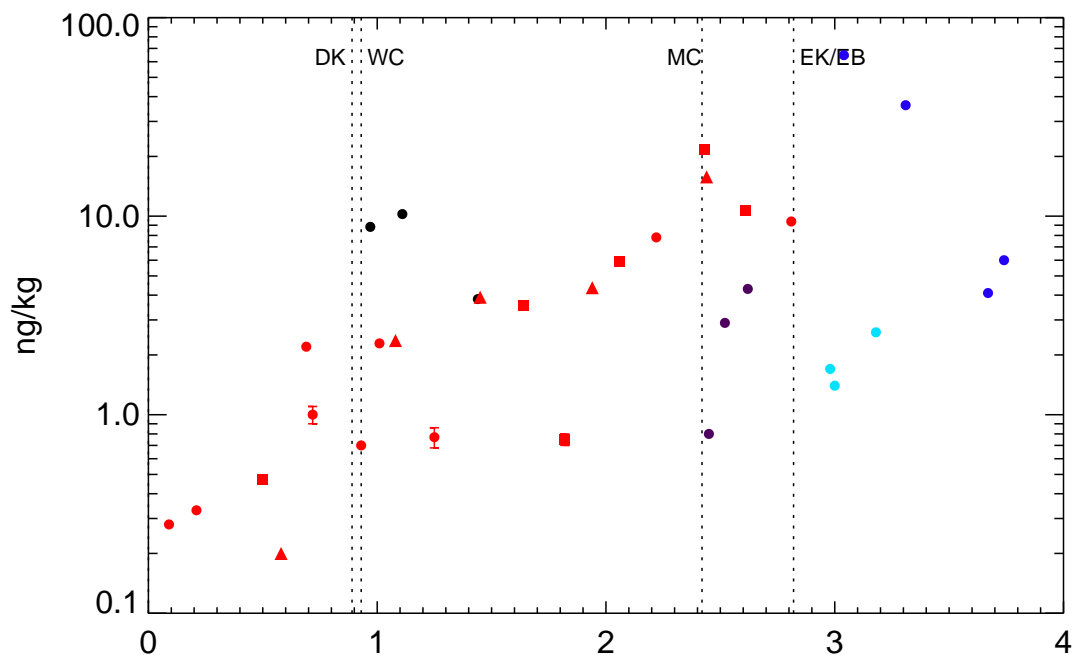


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

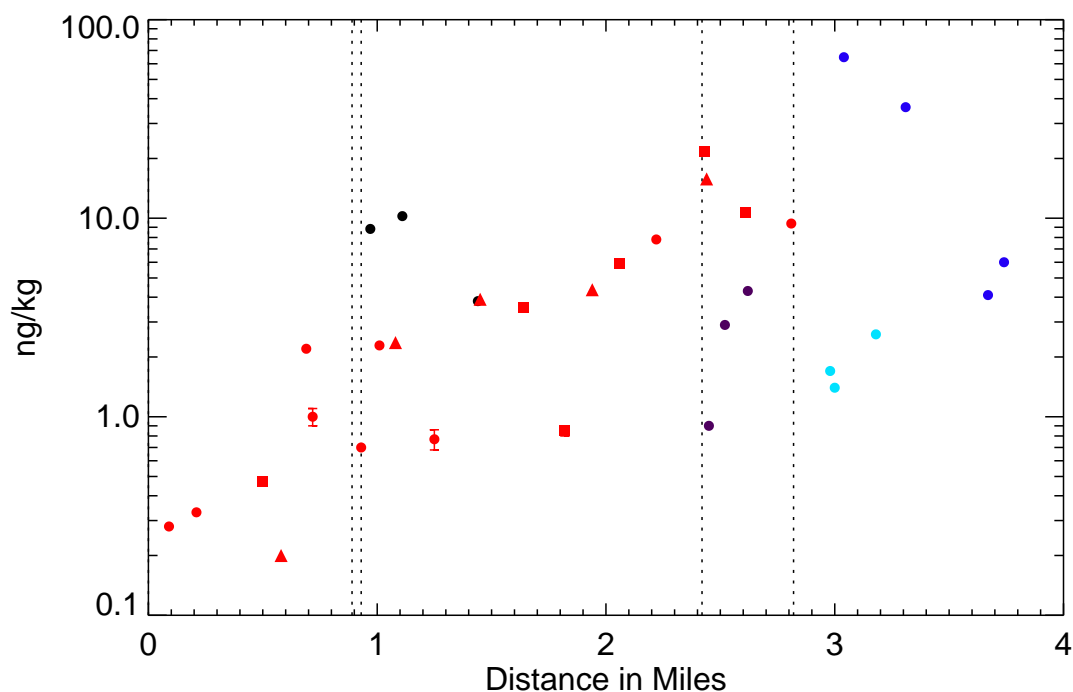
Figure A4-278
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total PCB Congener TEQ 1998 (Fish) (U = 0) (MDL)



Total PCB Congener TEQ 1998 (Fish) (U = 1/2) (MDL)



▲ Right Bank ● Middle ■ Left Bank

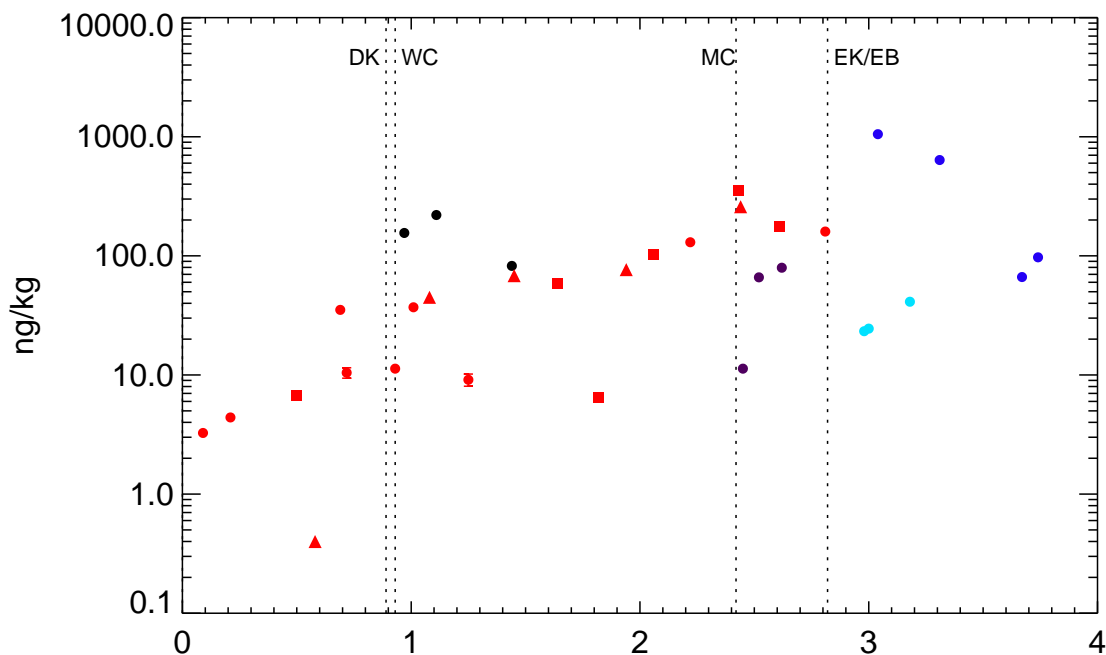


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-279
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

Total PCB Congener TEQ 2005 (Mammal) (U = 0) (MDL)



Total PCB Congener TEQ 2005 (Mammal) (U = 1/2) (MDL)

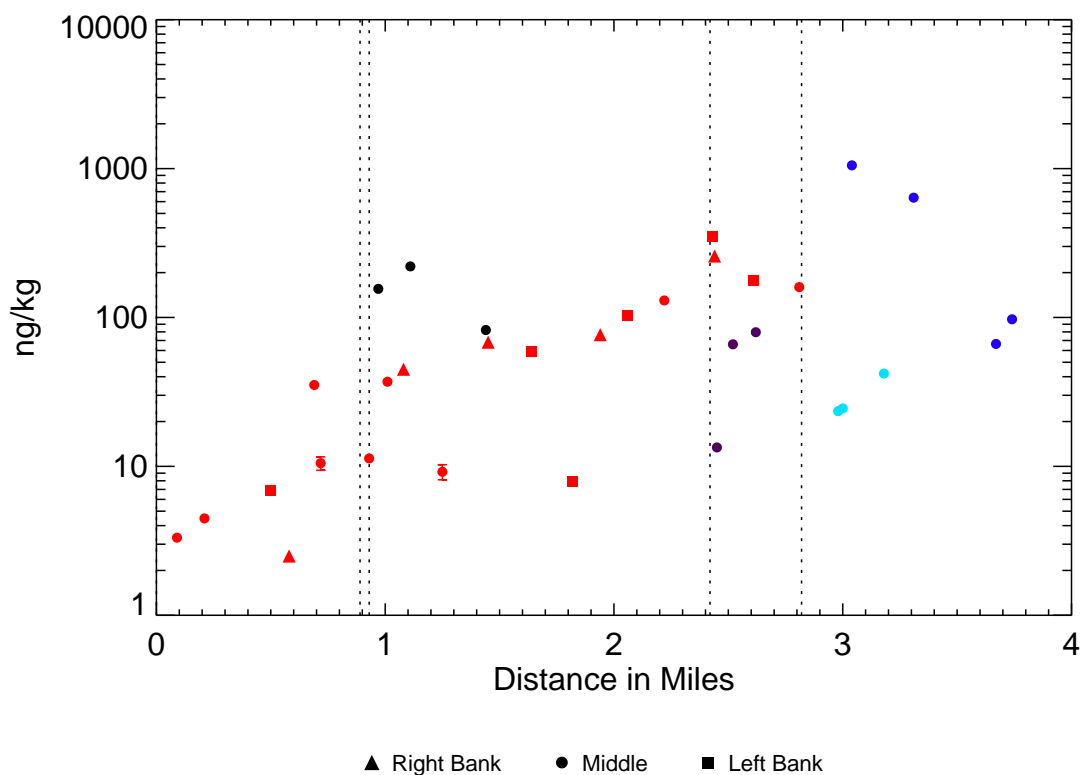


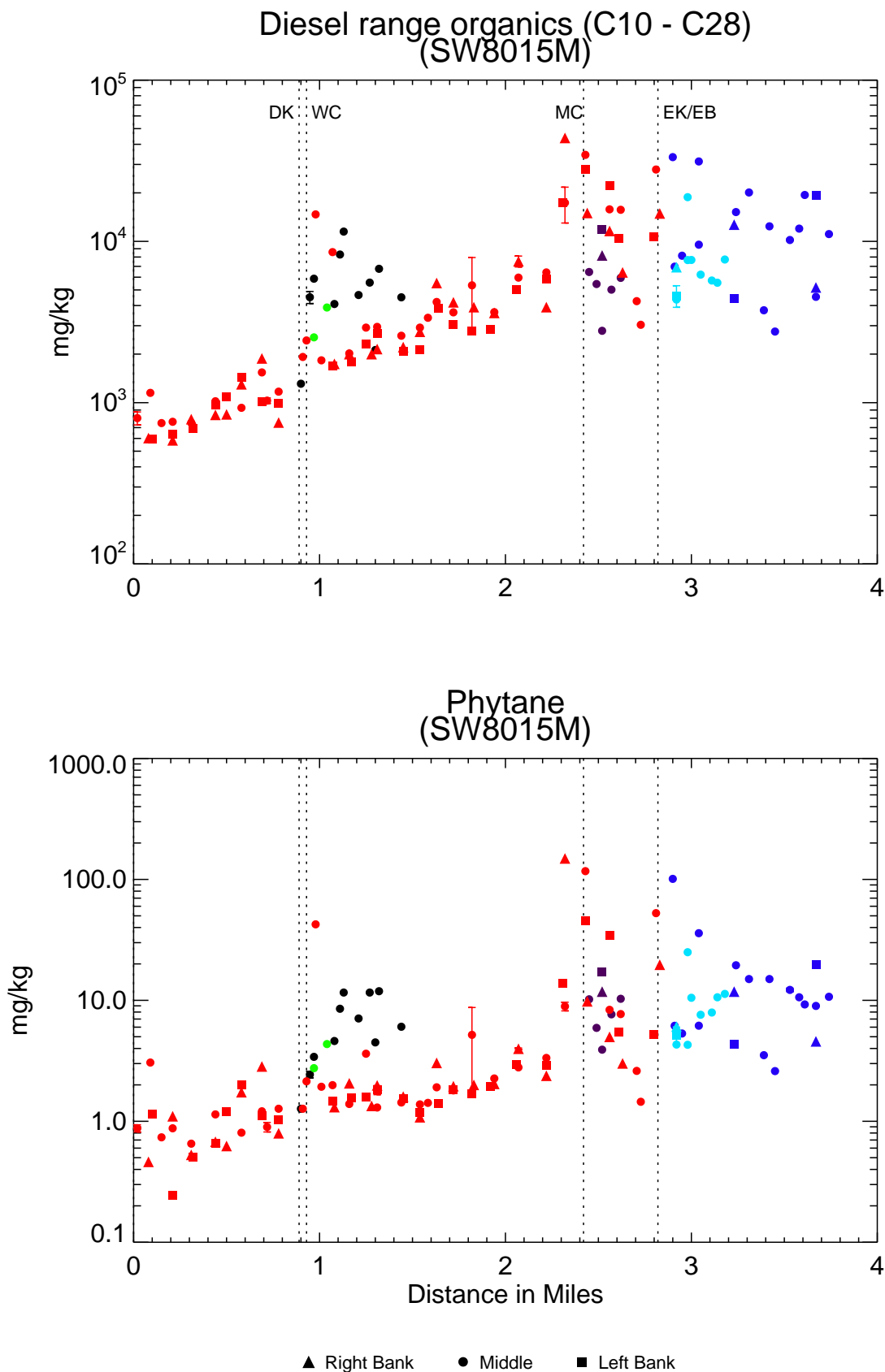
Figure A4-280

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

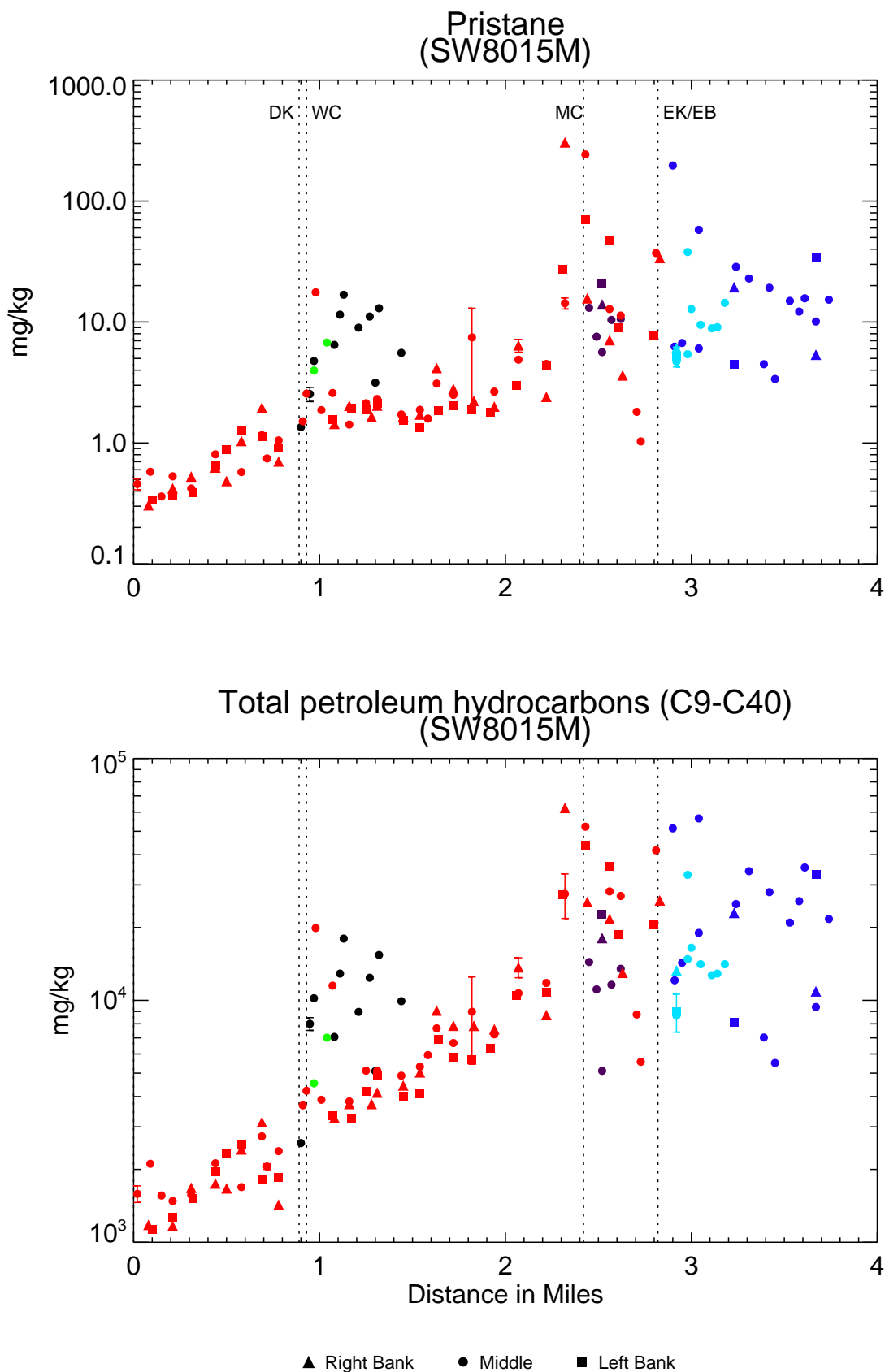
**Figure A4-281**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

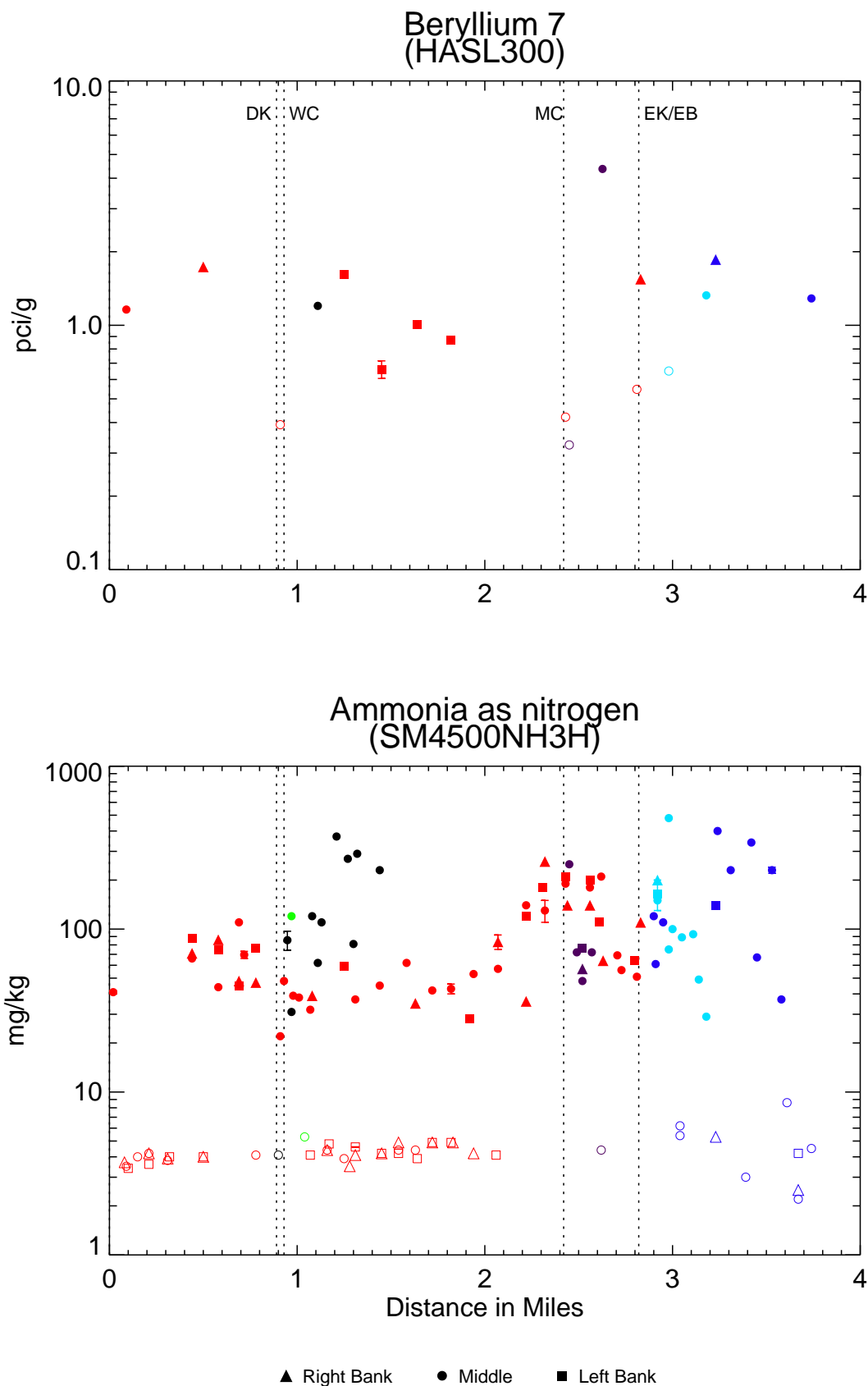
**Figure A4-282**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

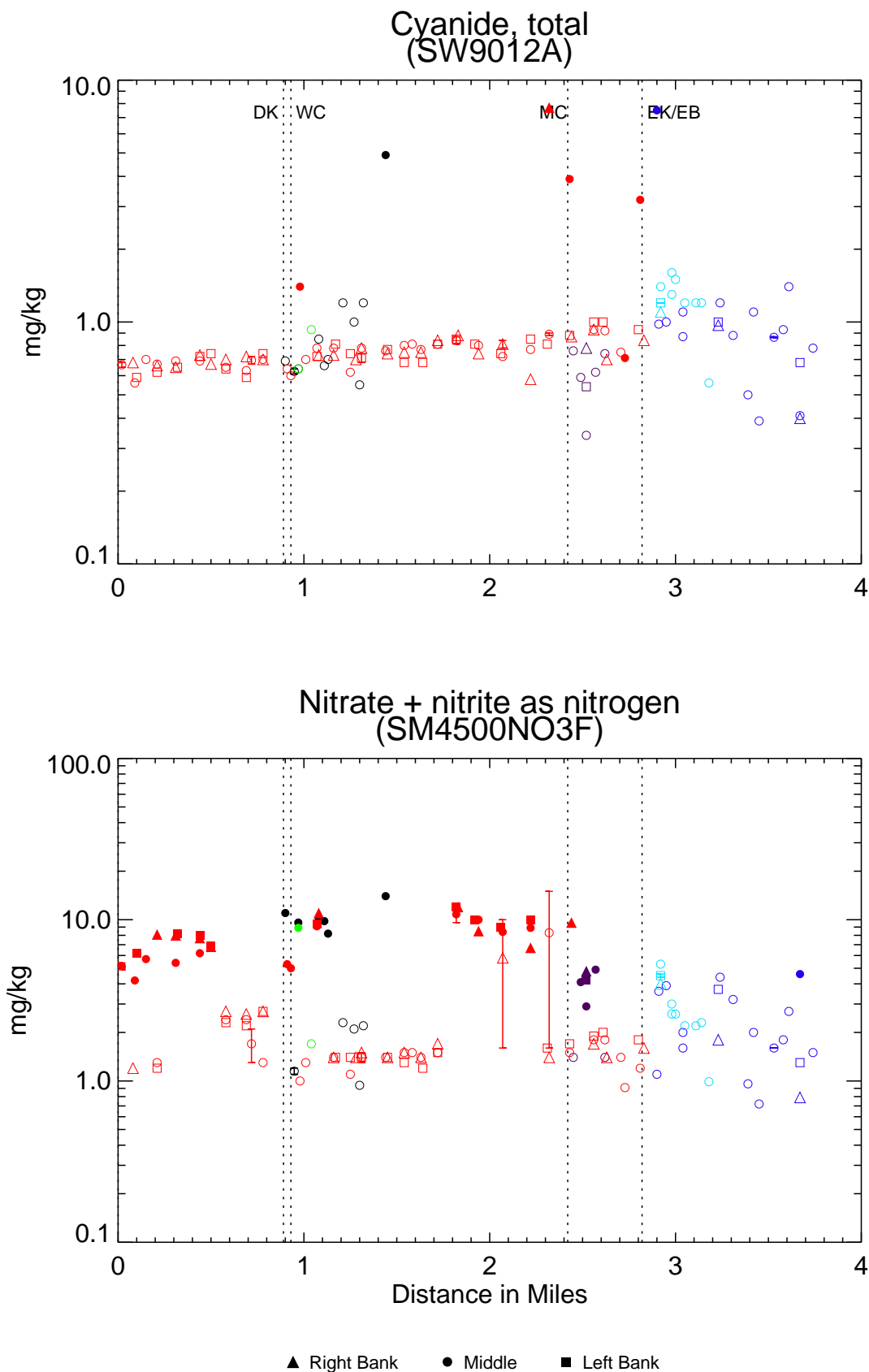
**Figure A4-283**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

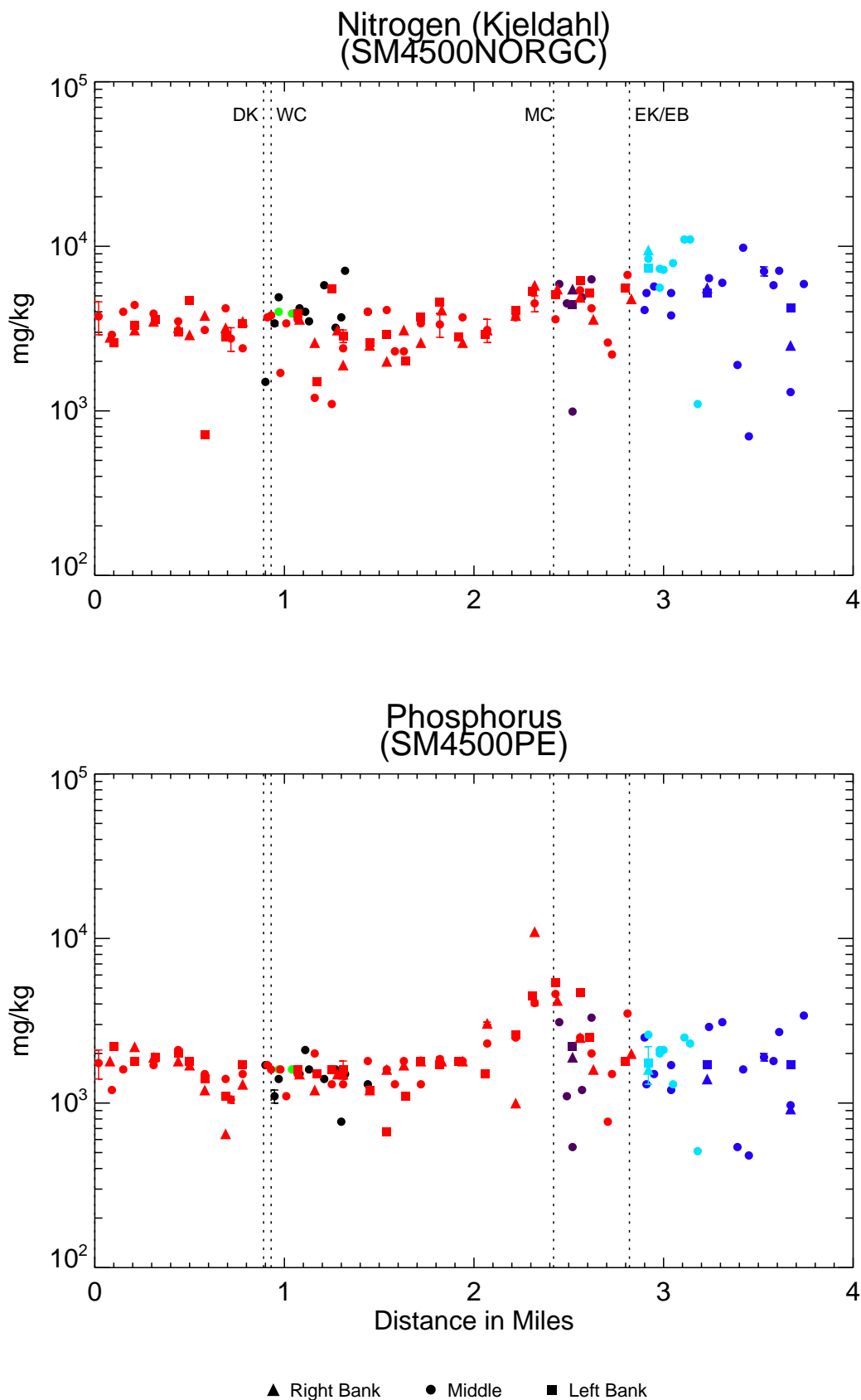
**Figure A4-284**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

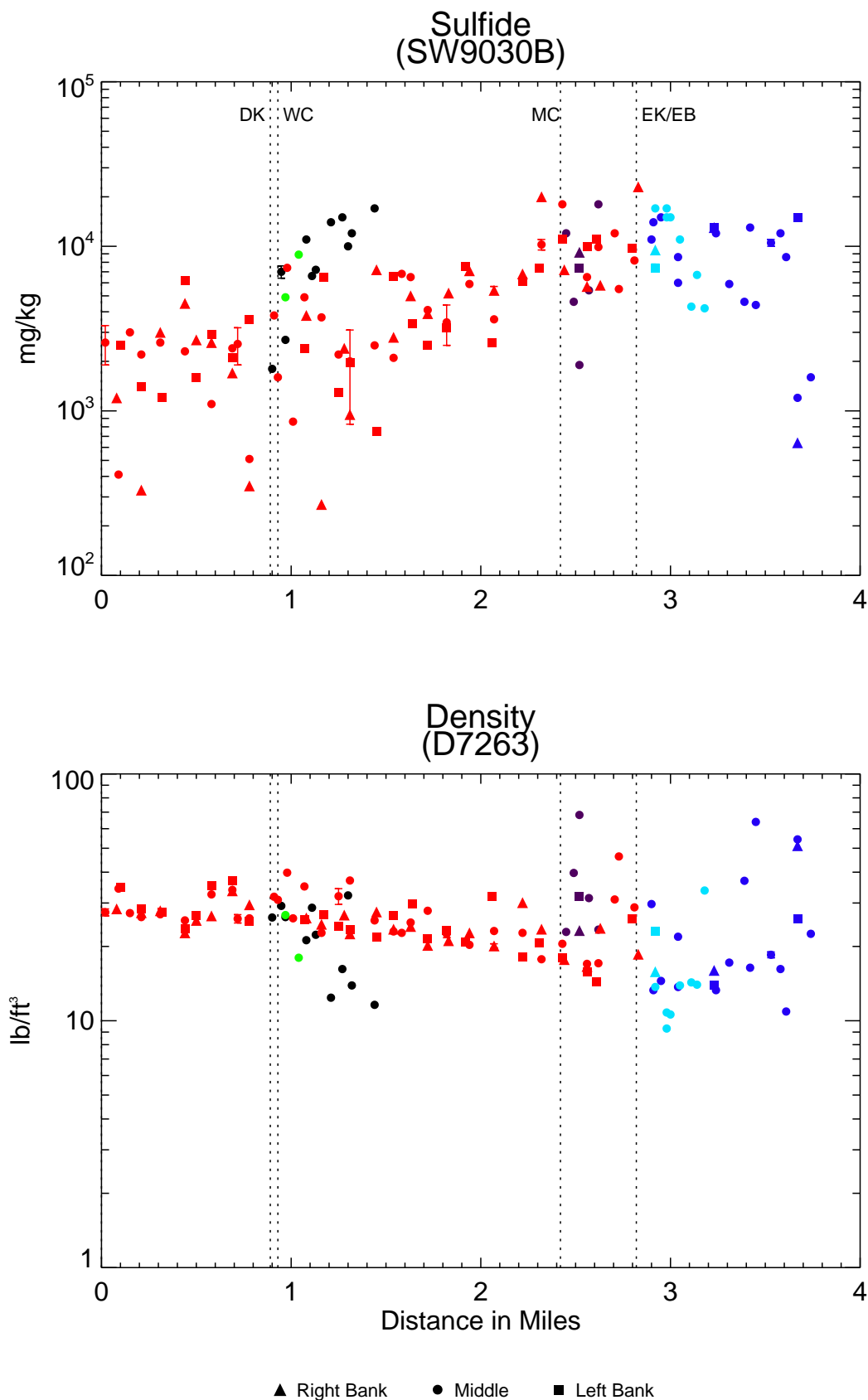
**Figure A4-285**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- English Kills (2.82 mi)
- East Branch (2.82 mi)

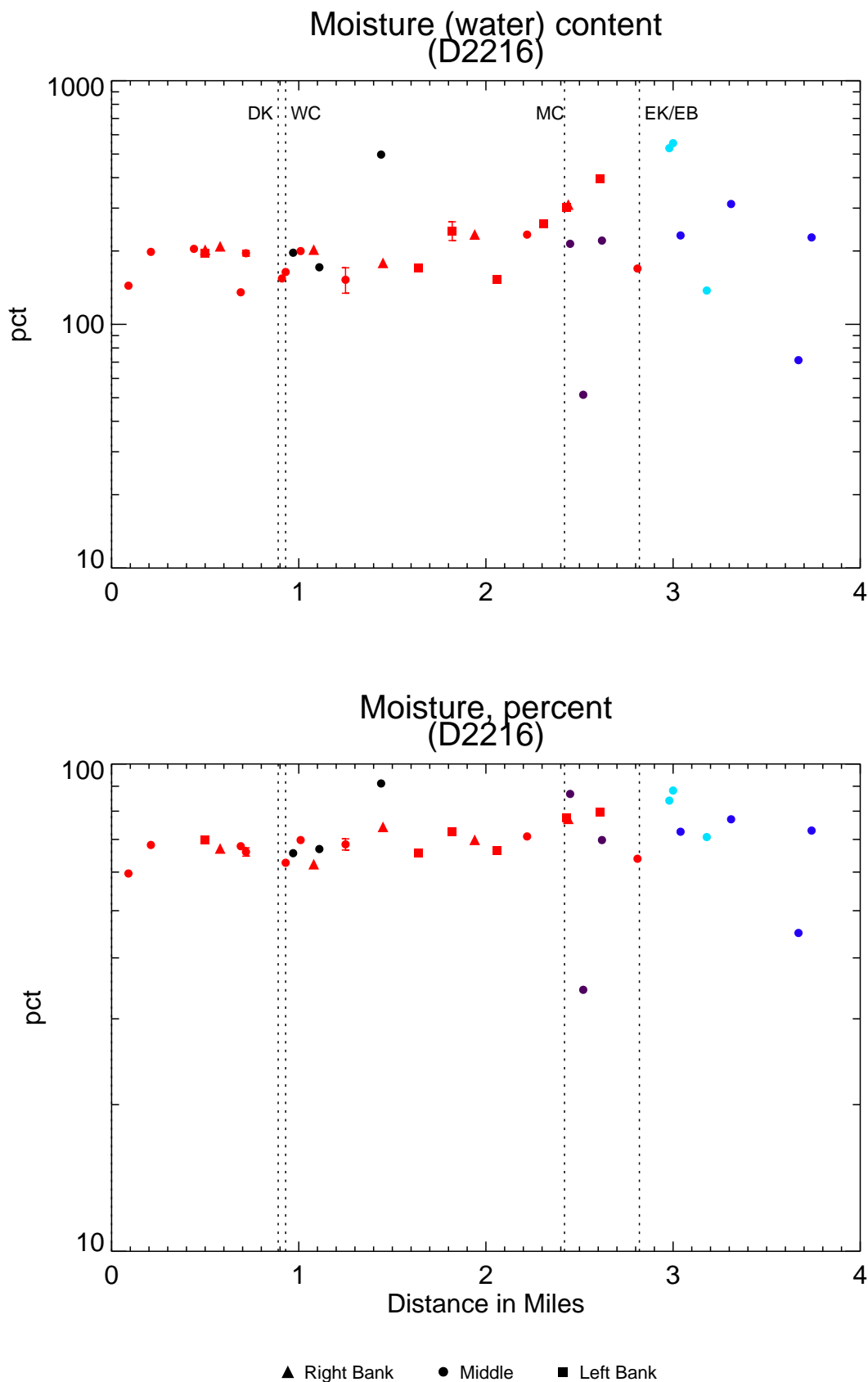
**Figure A4-286**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



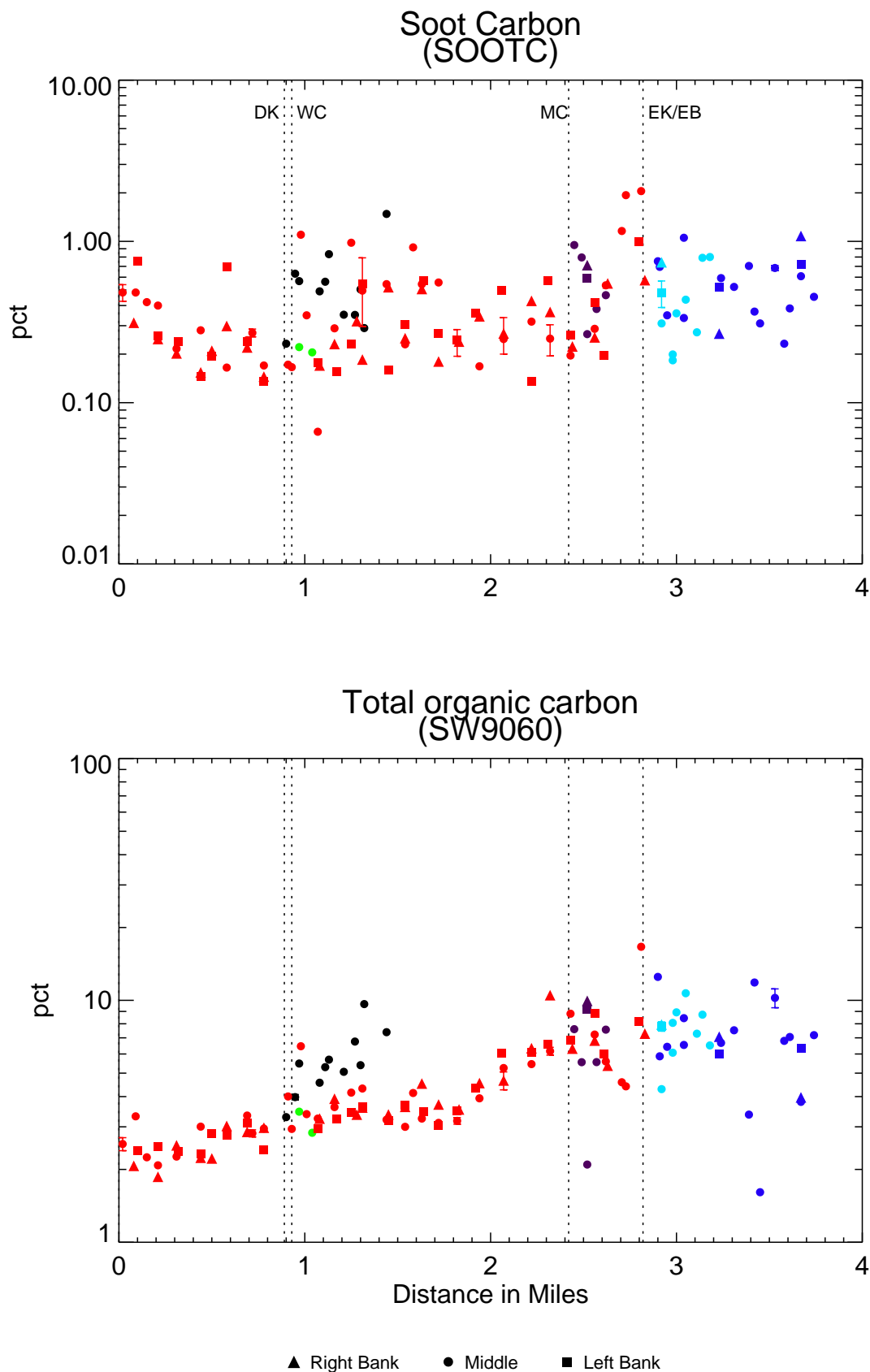
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-287
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.

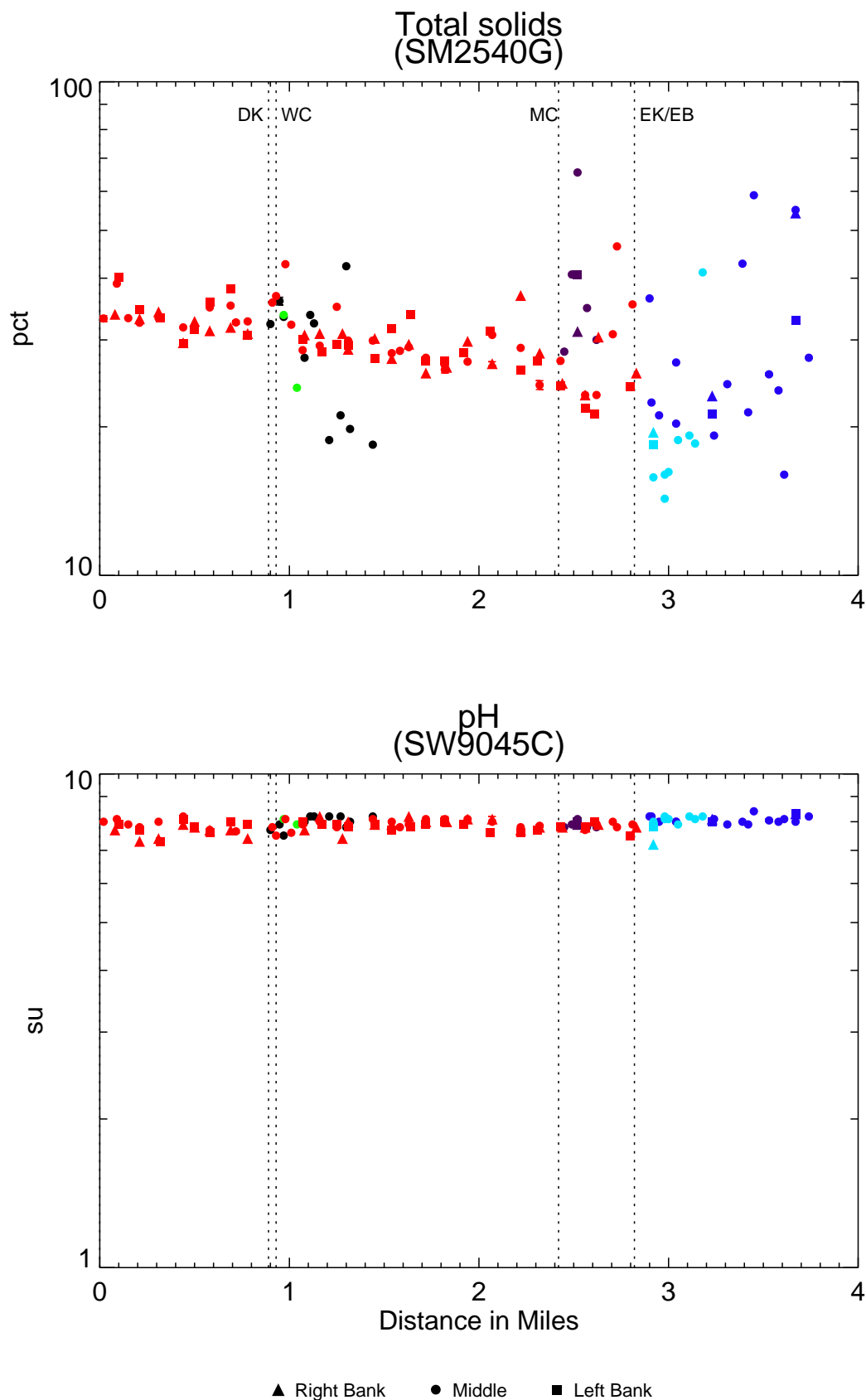
**Figure A4-288**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- East Branch (2.82 mi)

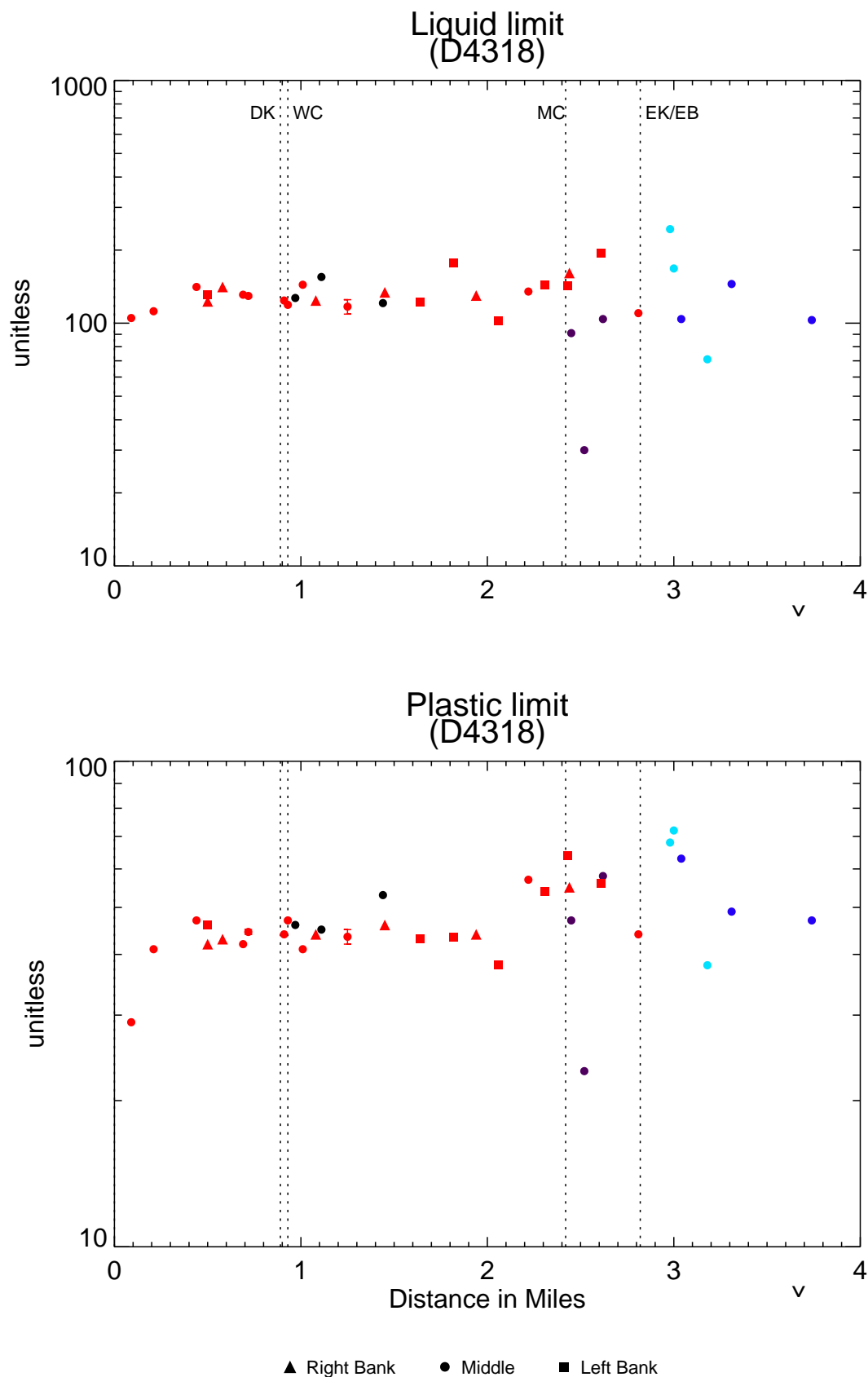
**Figure A4-289**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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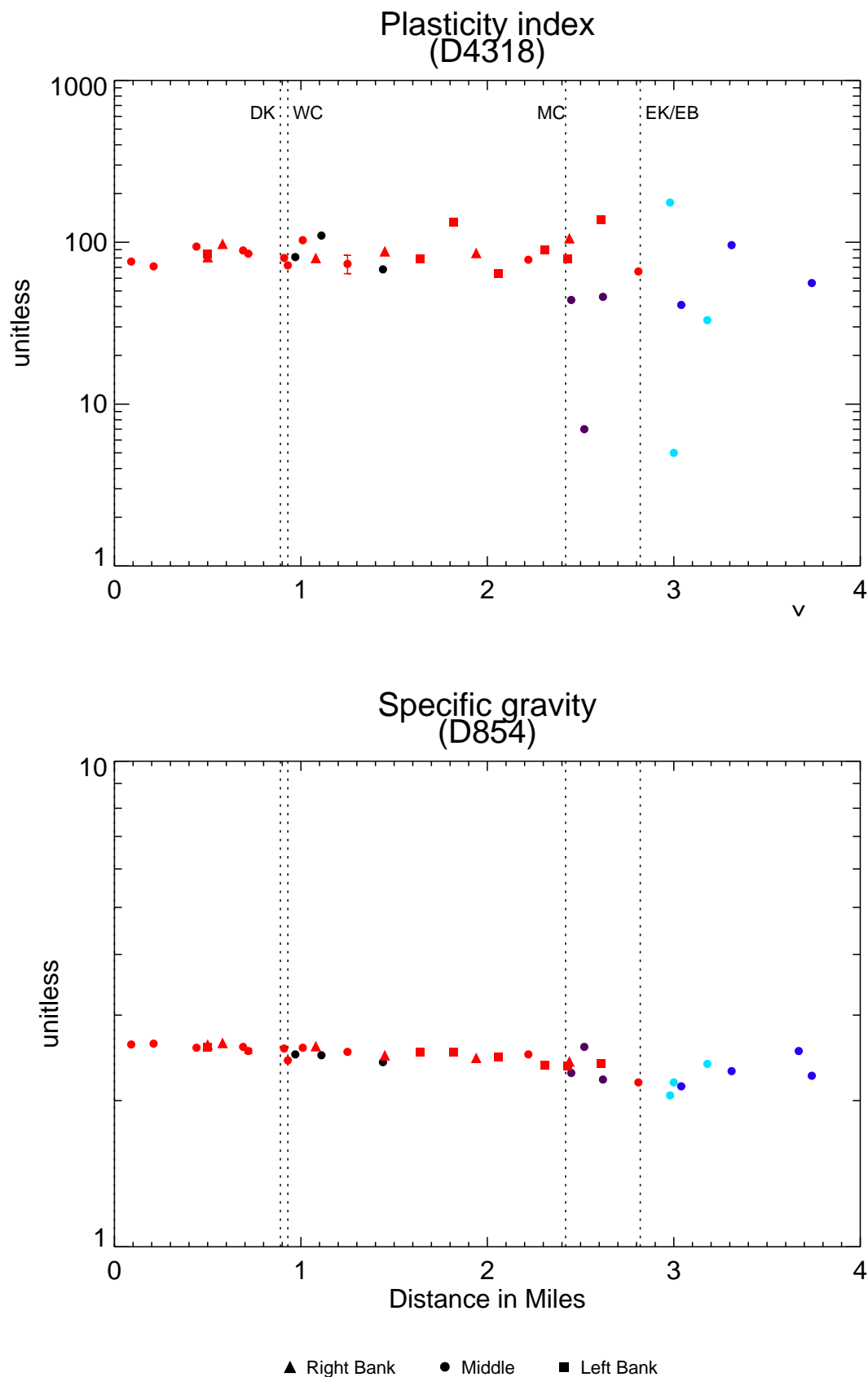
**Figure A4-290**

Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.



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- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

Figure A4-291
Surface Sediment Chemical Data - Spatial Profiles
Phase 1 RI Data Summary Report - Submittal No. 1
Newtown Creek RI/FS

Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking downstream. Average of duplicates plotted with bars representing range.