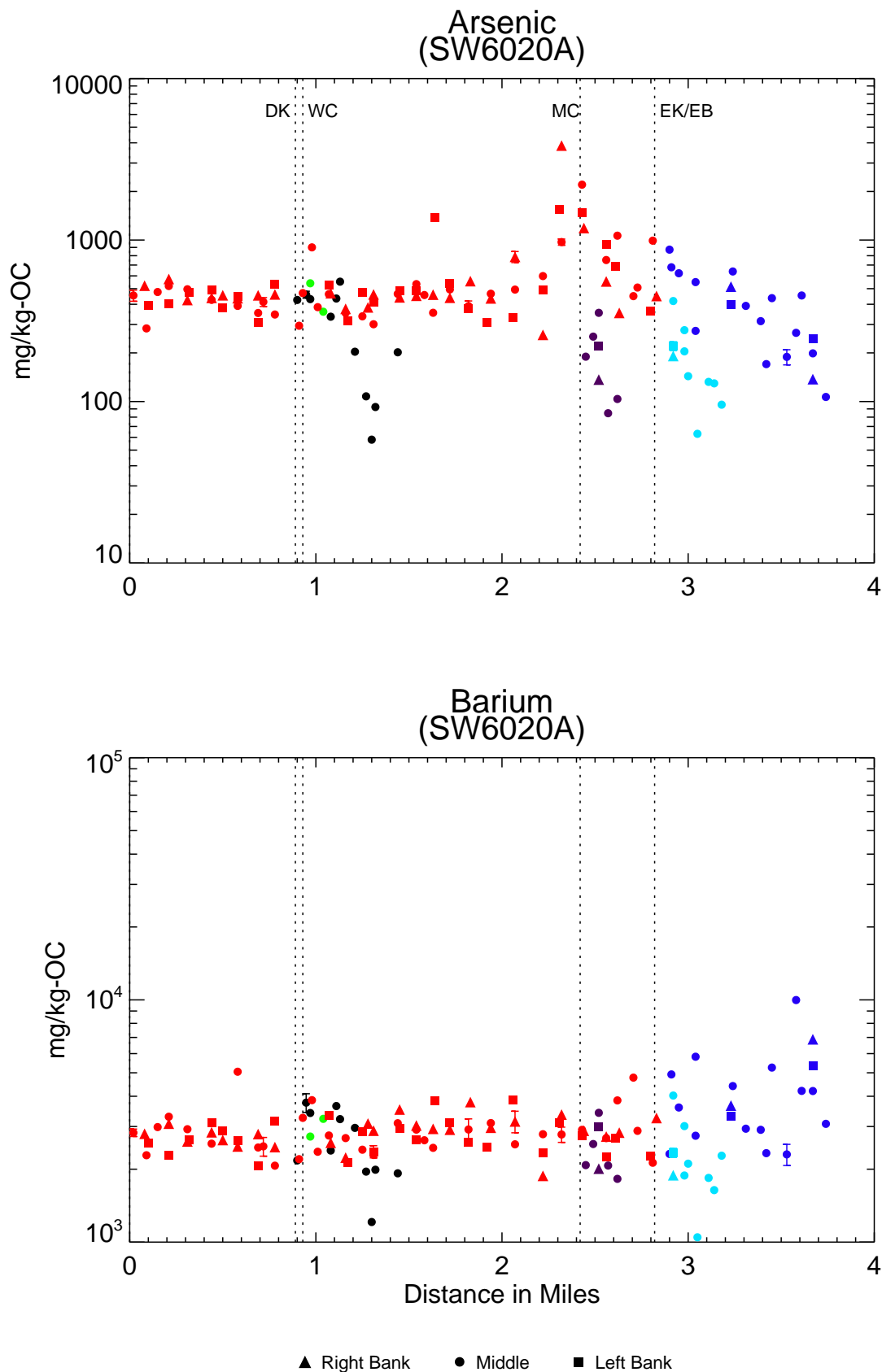
**Figure A4-292**

Surface Sediment Chemical Data (OC Normal) - 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.*



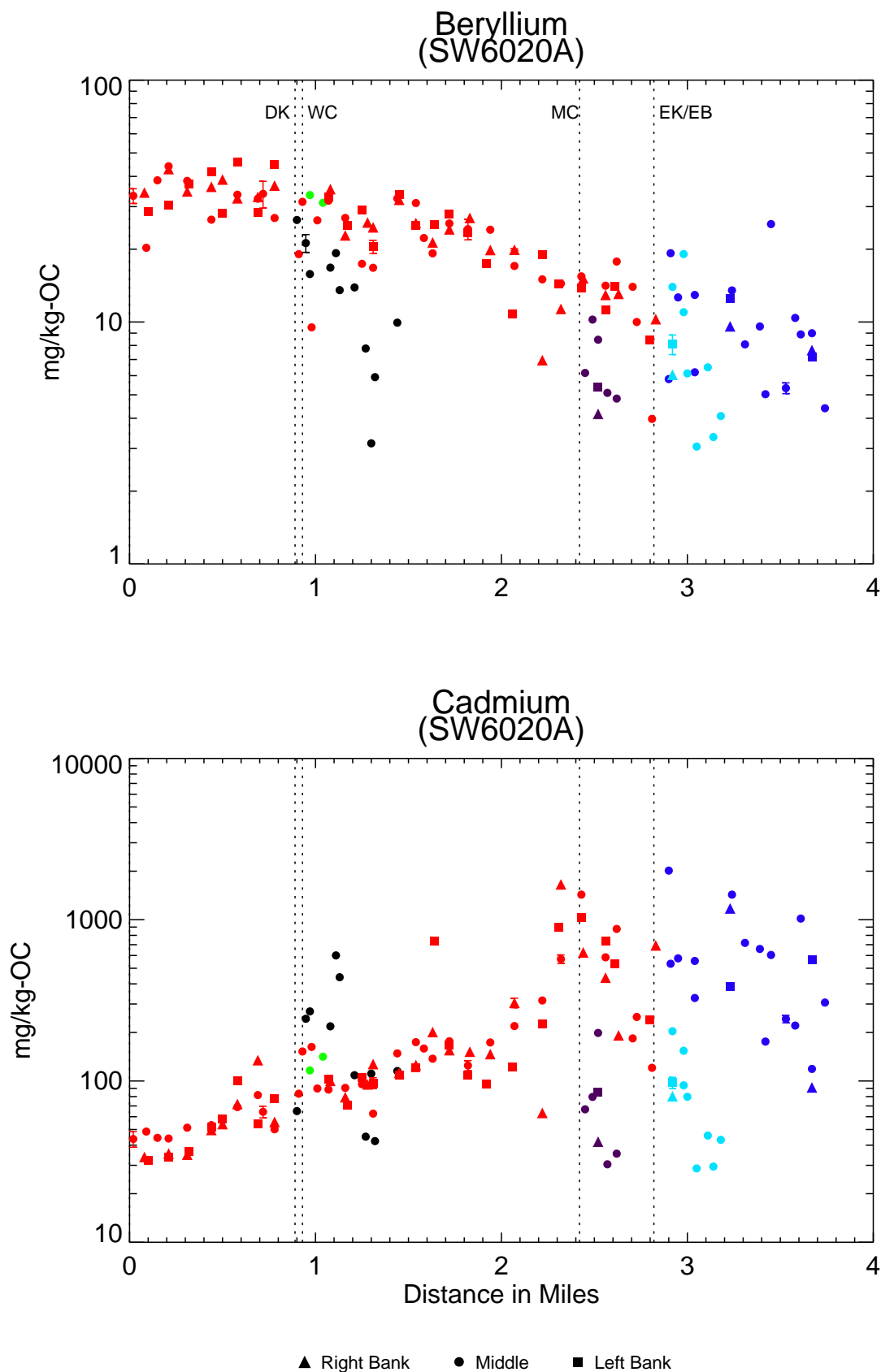
**Figure A4-293**

Surface Sediment Chemical Data (OC Normal) - 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.*



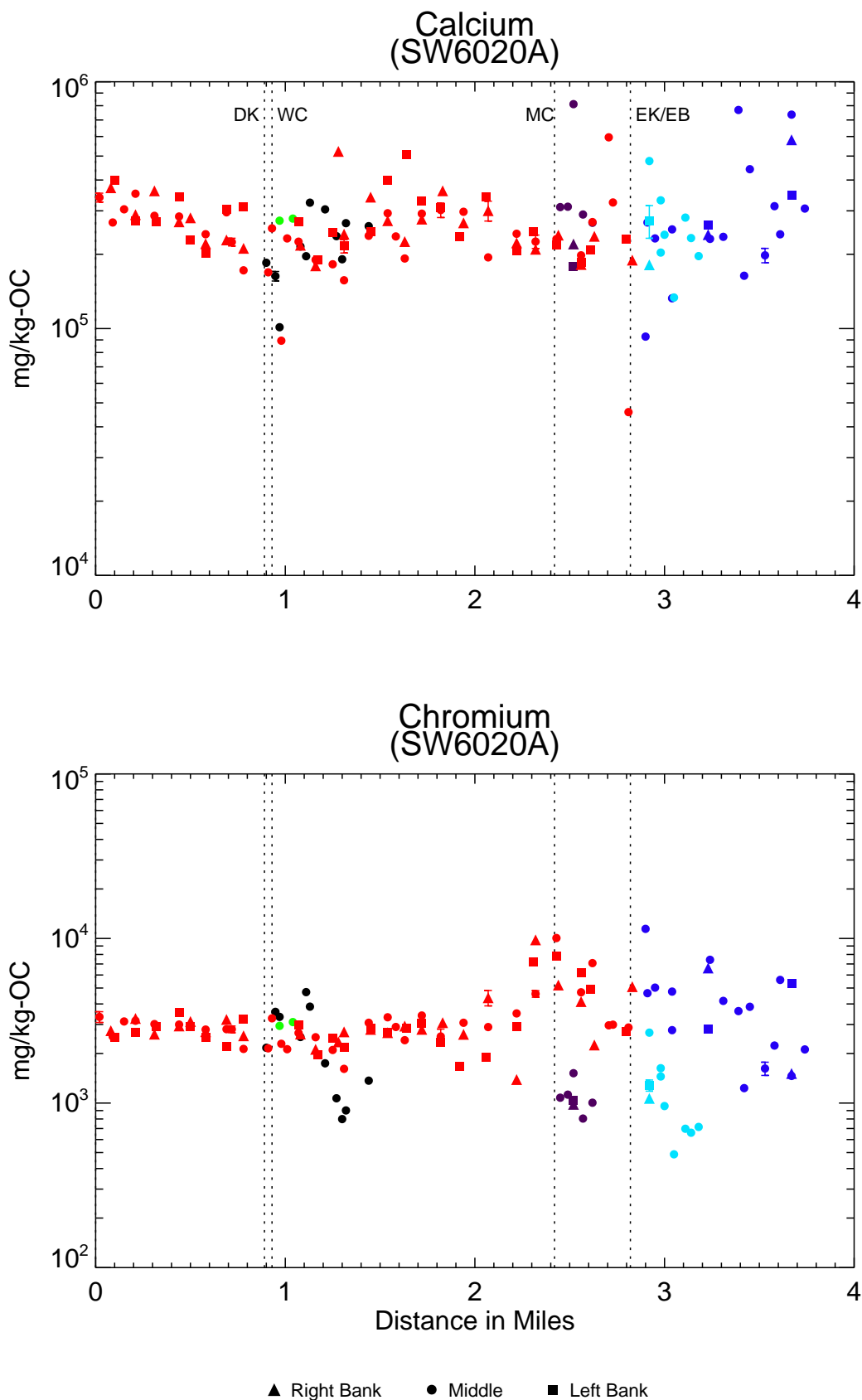
**Figure A4-294**

Surface Sediment Chemical Data (OC Normal) - 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 A4-295**

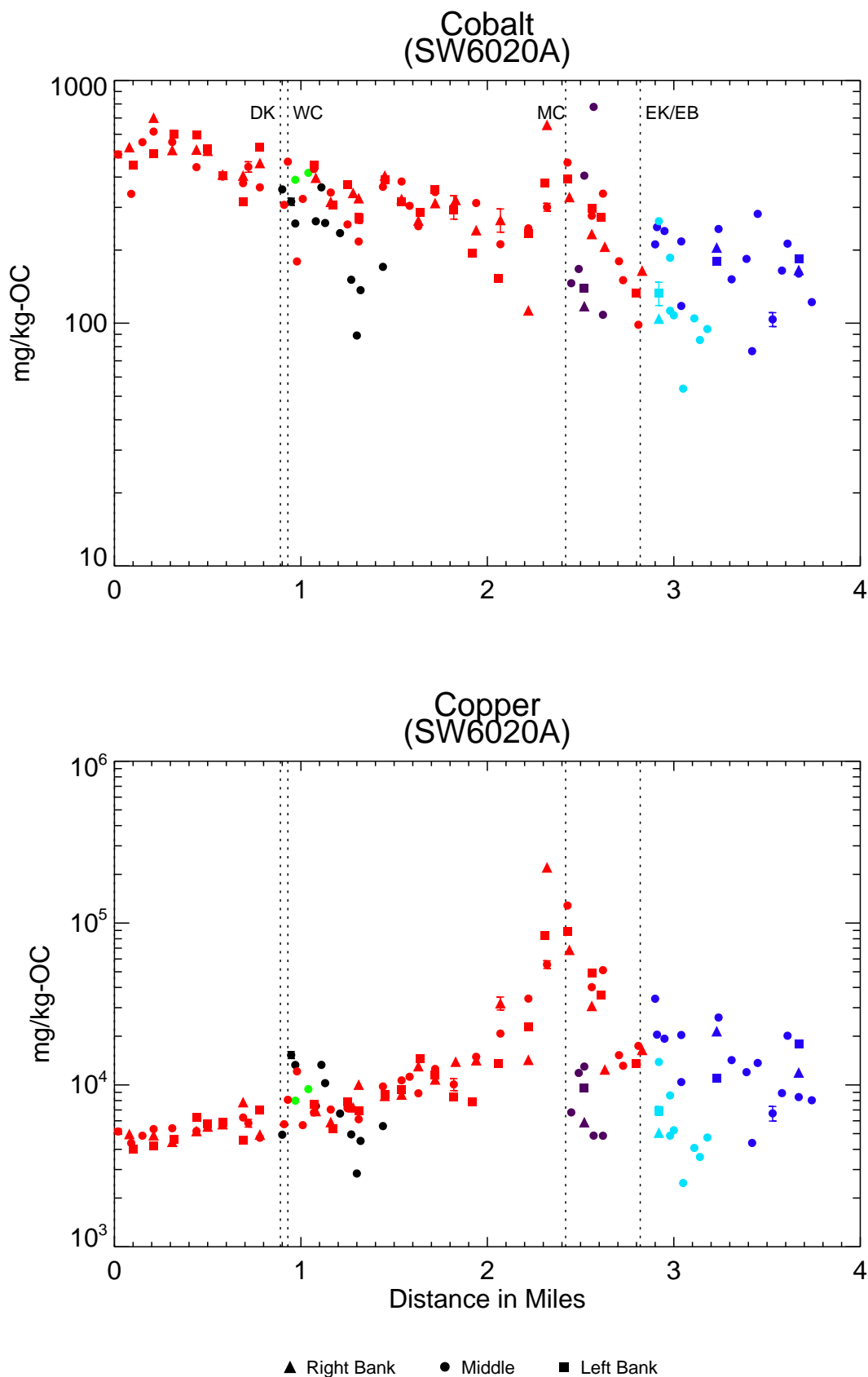
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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.*





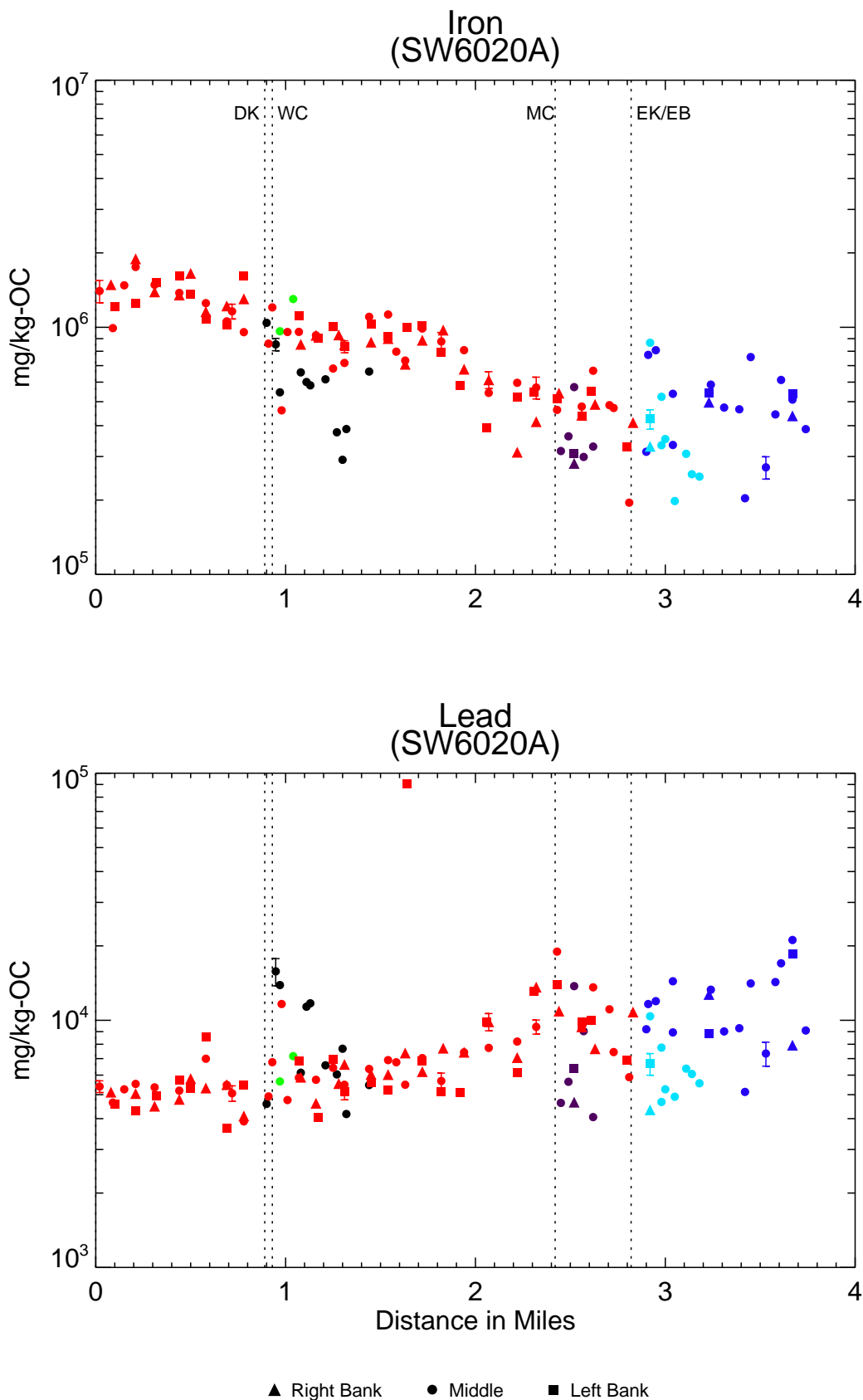
**Figure A4-296**

Surface Sediment Chemical Data (OC Normal) - 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.*



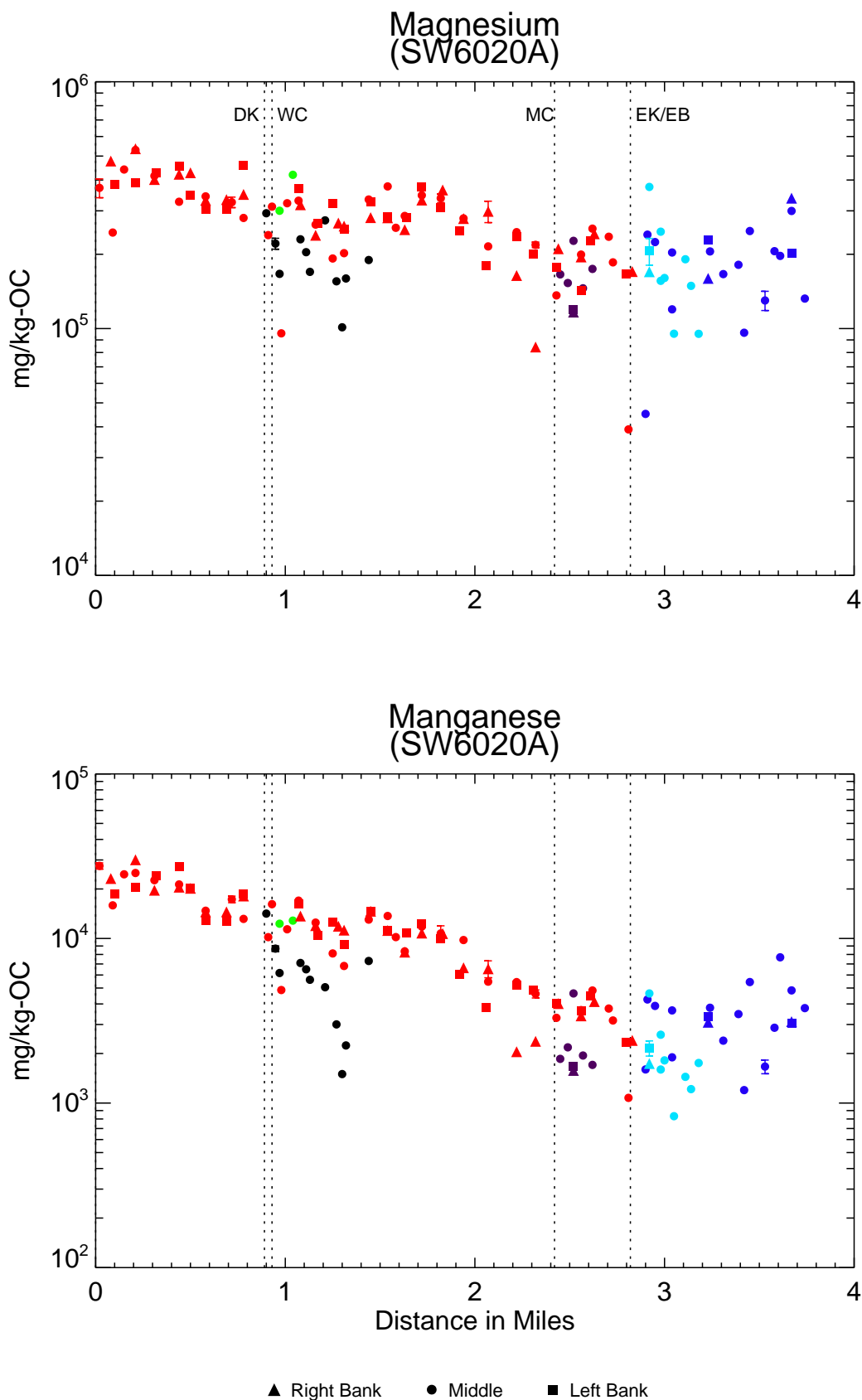
**Figure A4-297**

**Surface Sediment Chemical Data (OC Normal) - 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.*

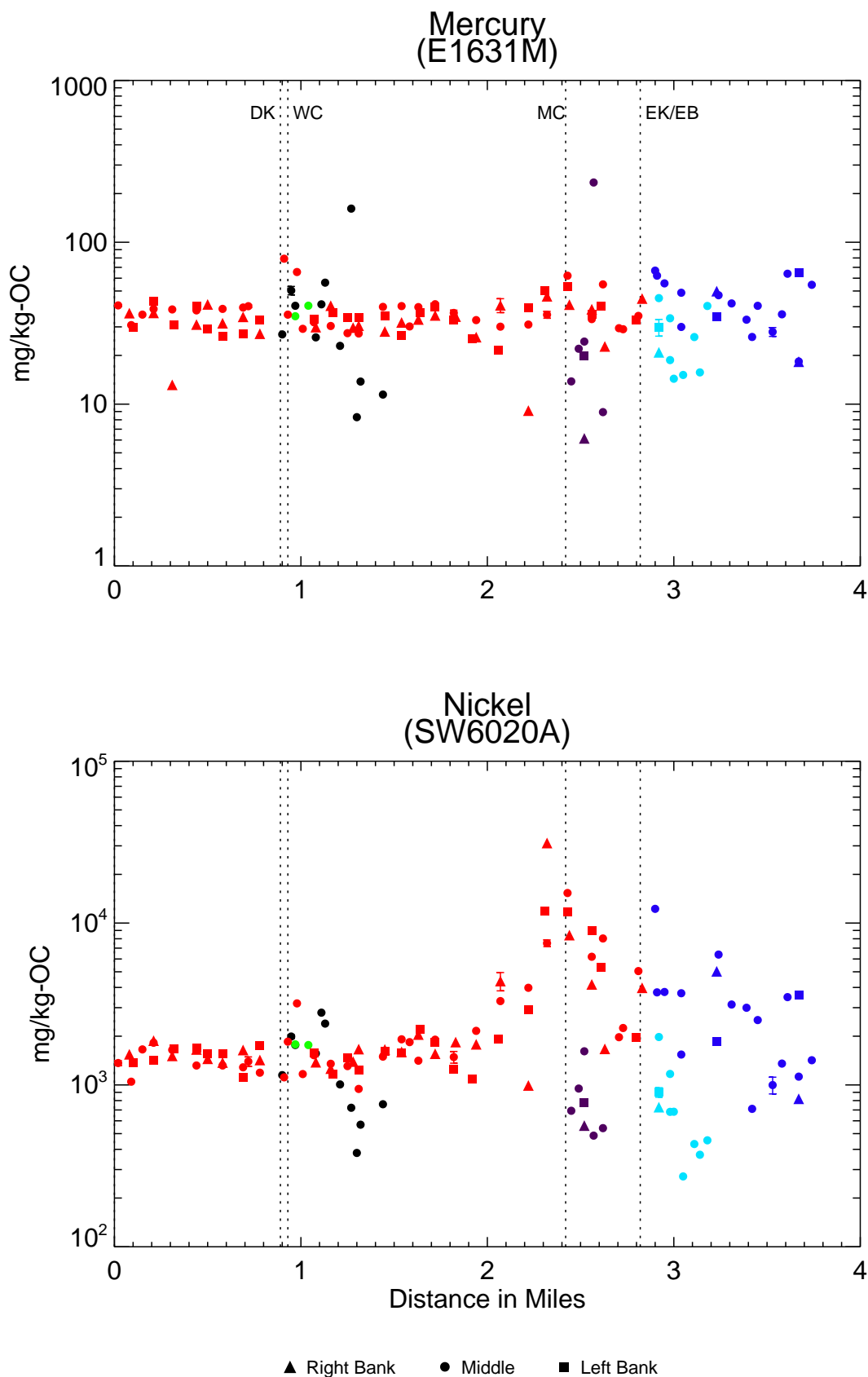
**Figure A4-298**

**Surface Sediment Chemical Data (OC Normal) - 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.*



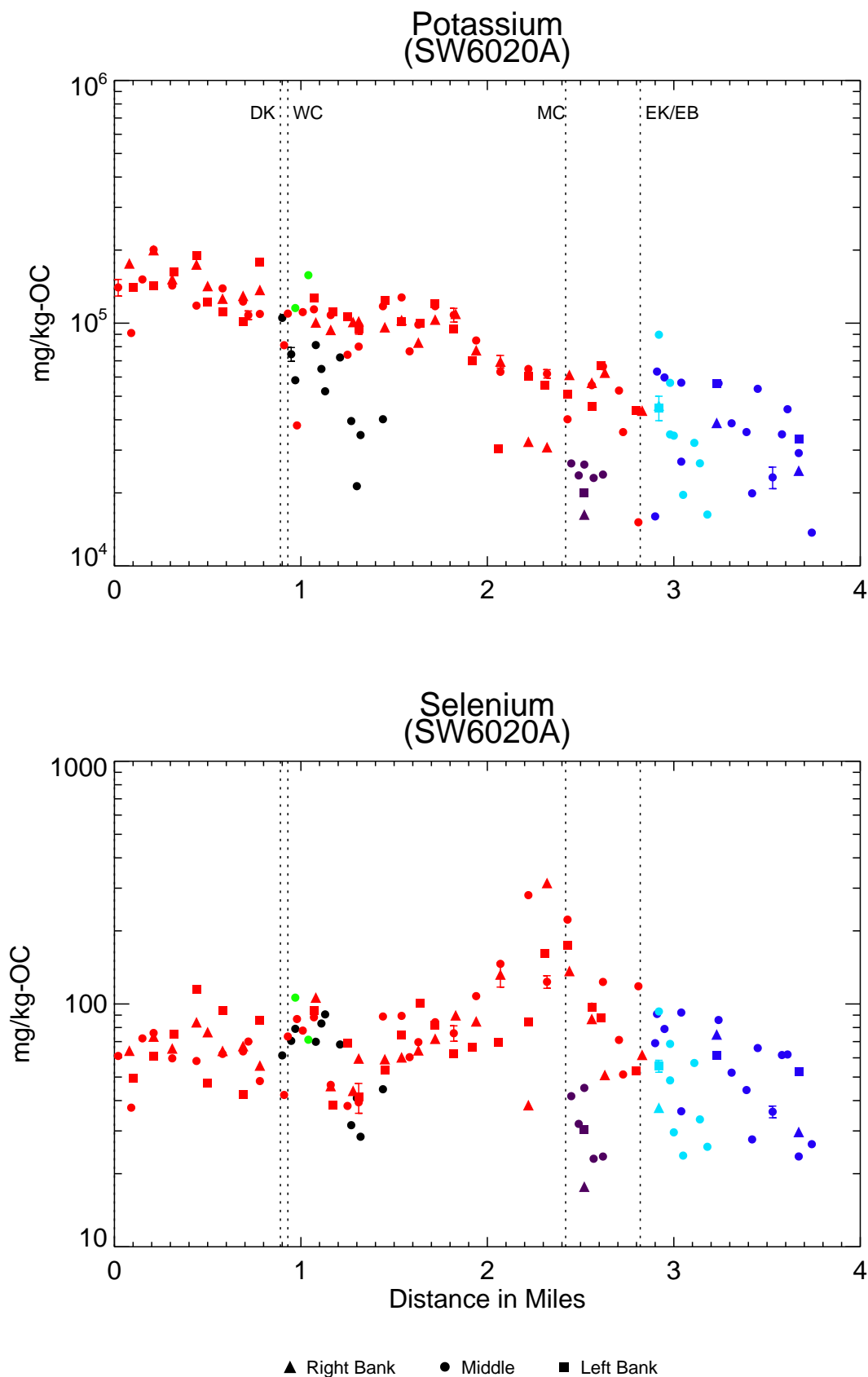
**Figure A4-299**

Surface Sediment Chemical Data (OC Normal) - 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.*



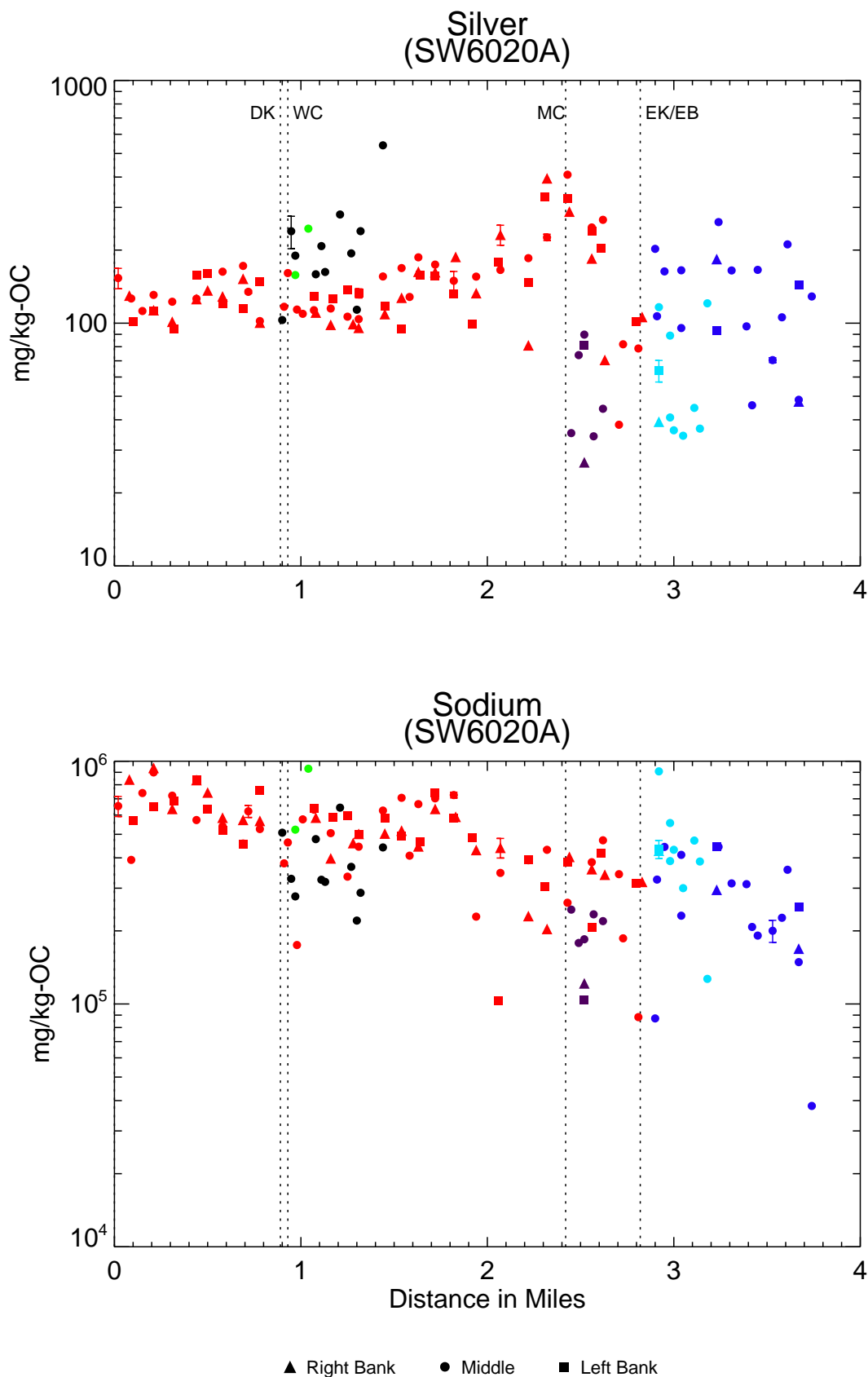
**Figure A4-300**

Surface Sediment Chemical Data (OC Normal) - 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.*



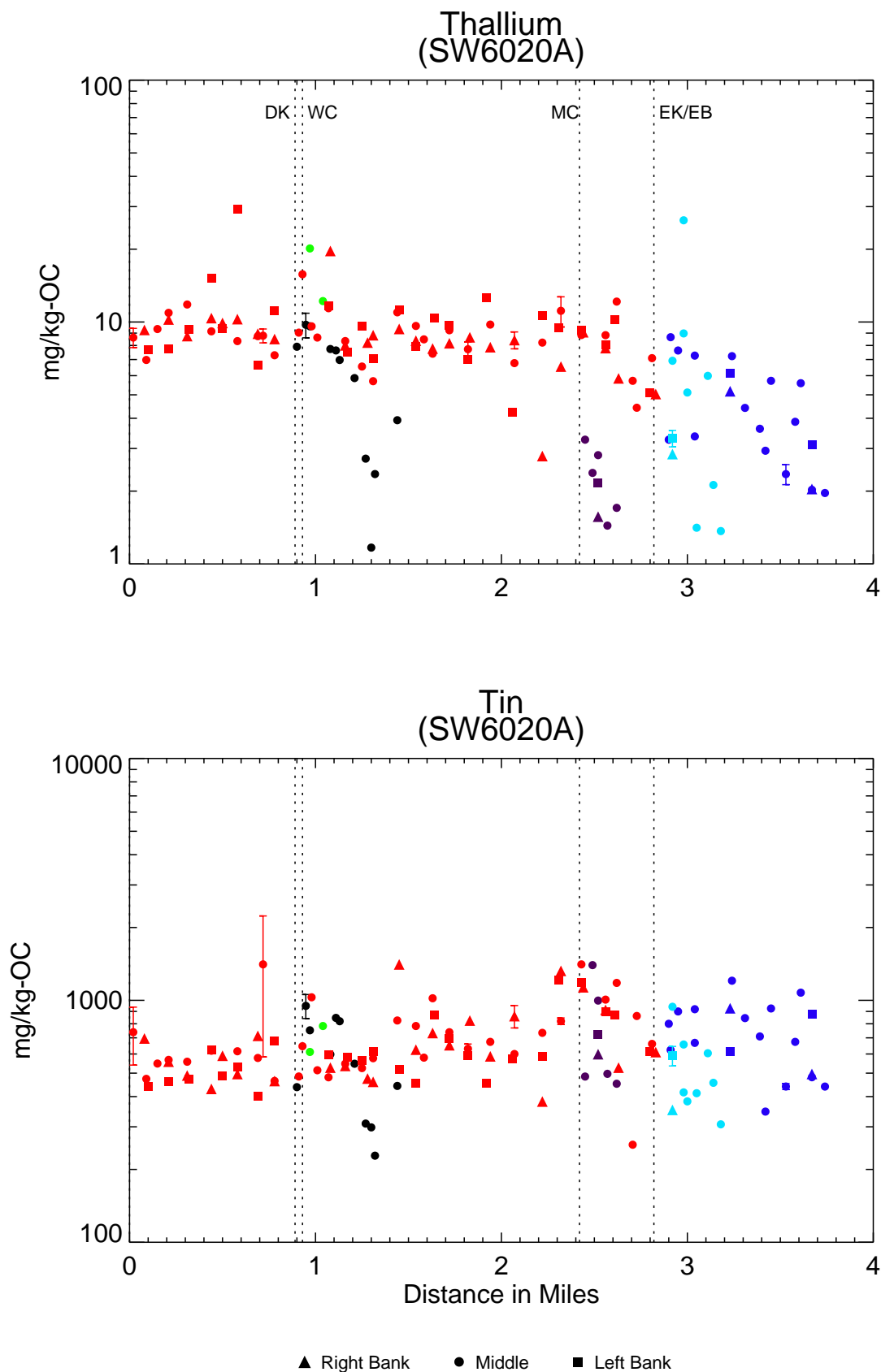
**Figure A4-301**

**Surface Sediment Chemical Data (OC Normal) - 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.*



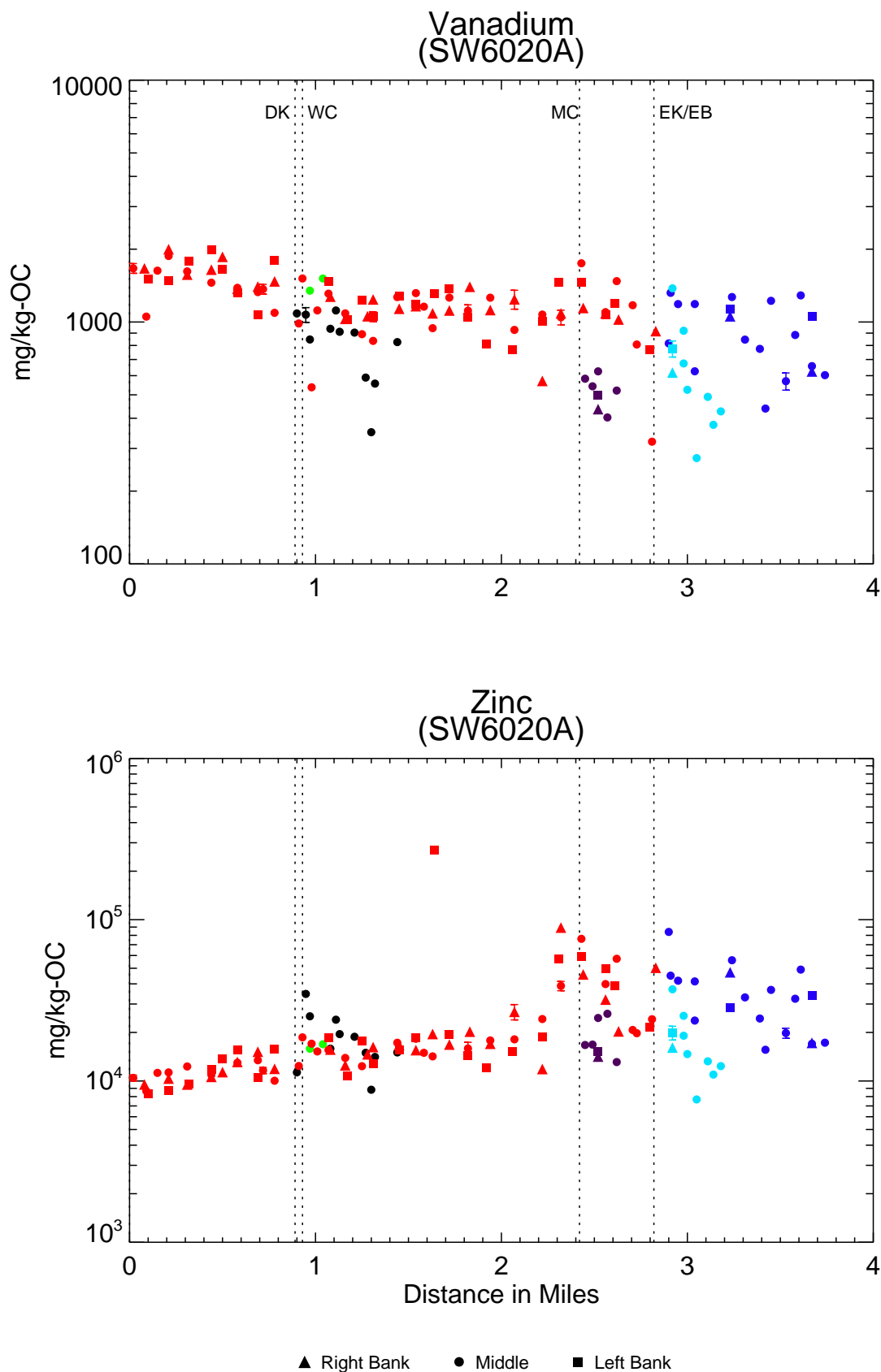
**Figure A4-302**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-303**

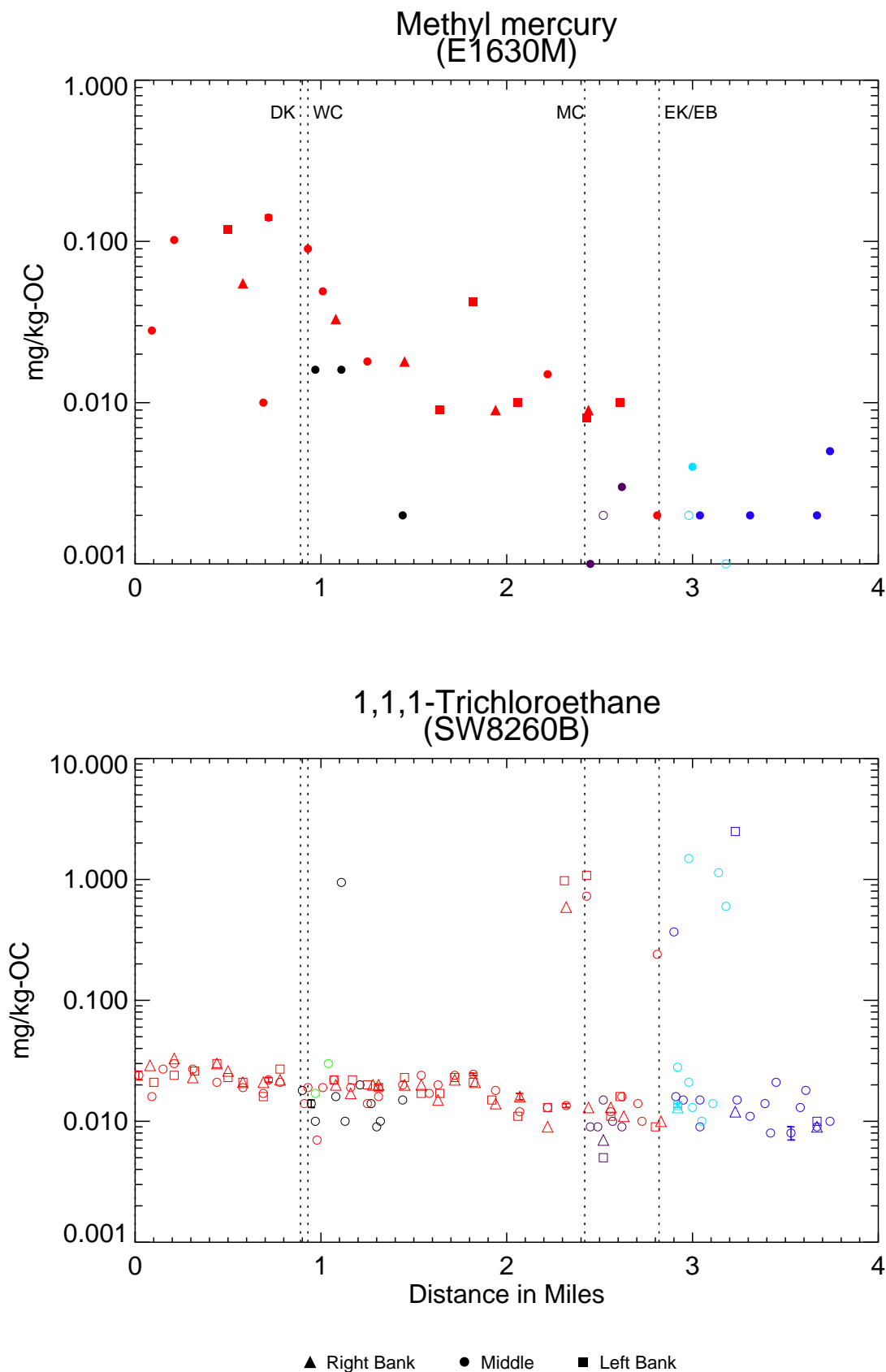
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





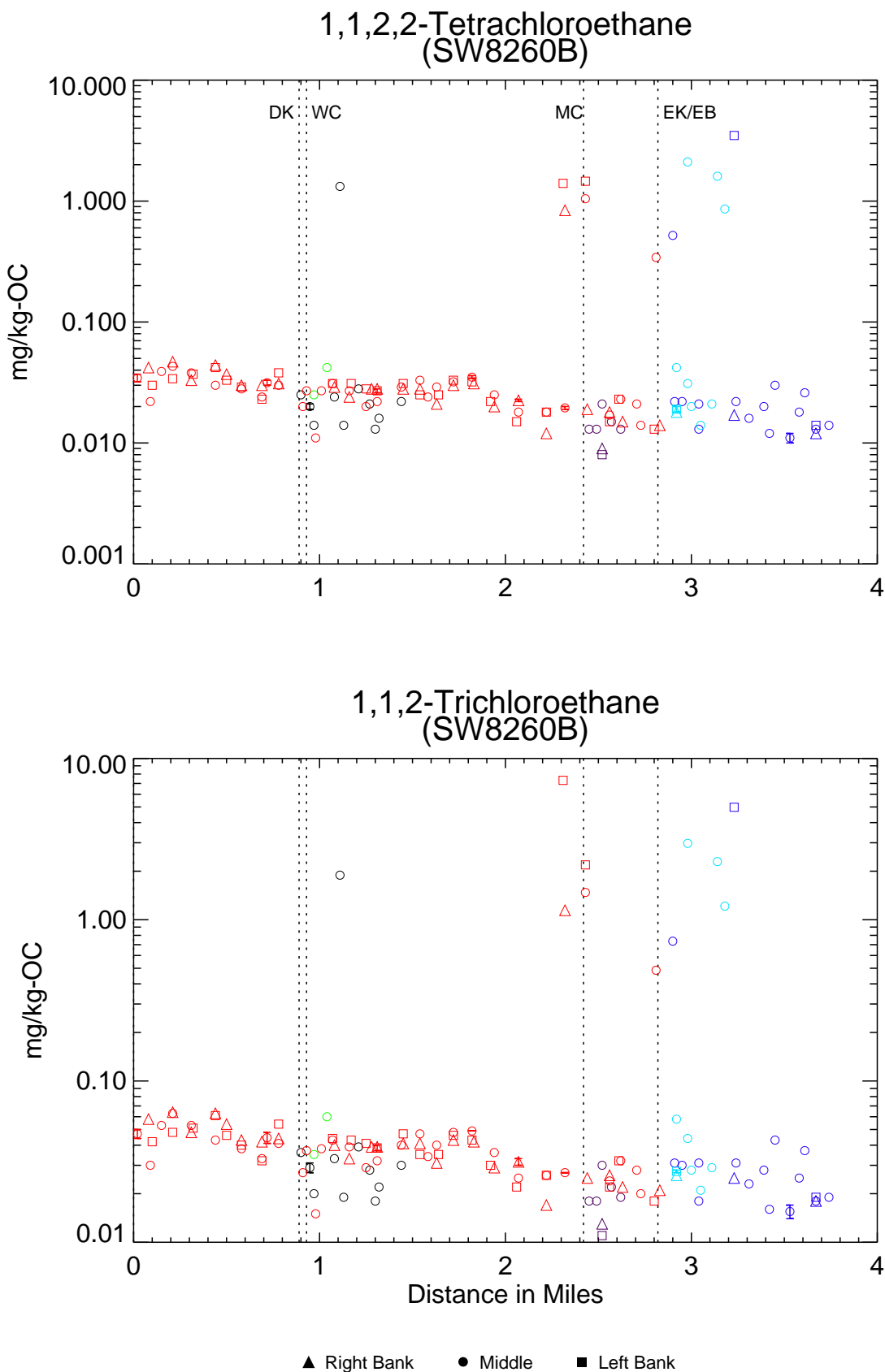
**Figure A4-304**

**Surface Sediment Chemical Data (OC Normal) - 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.*

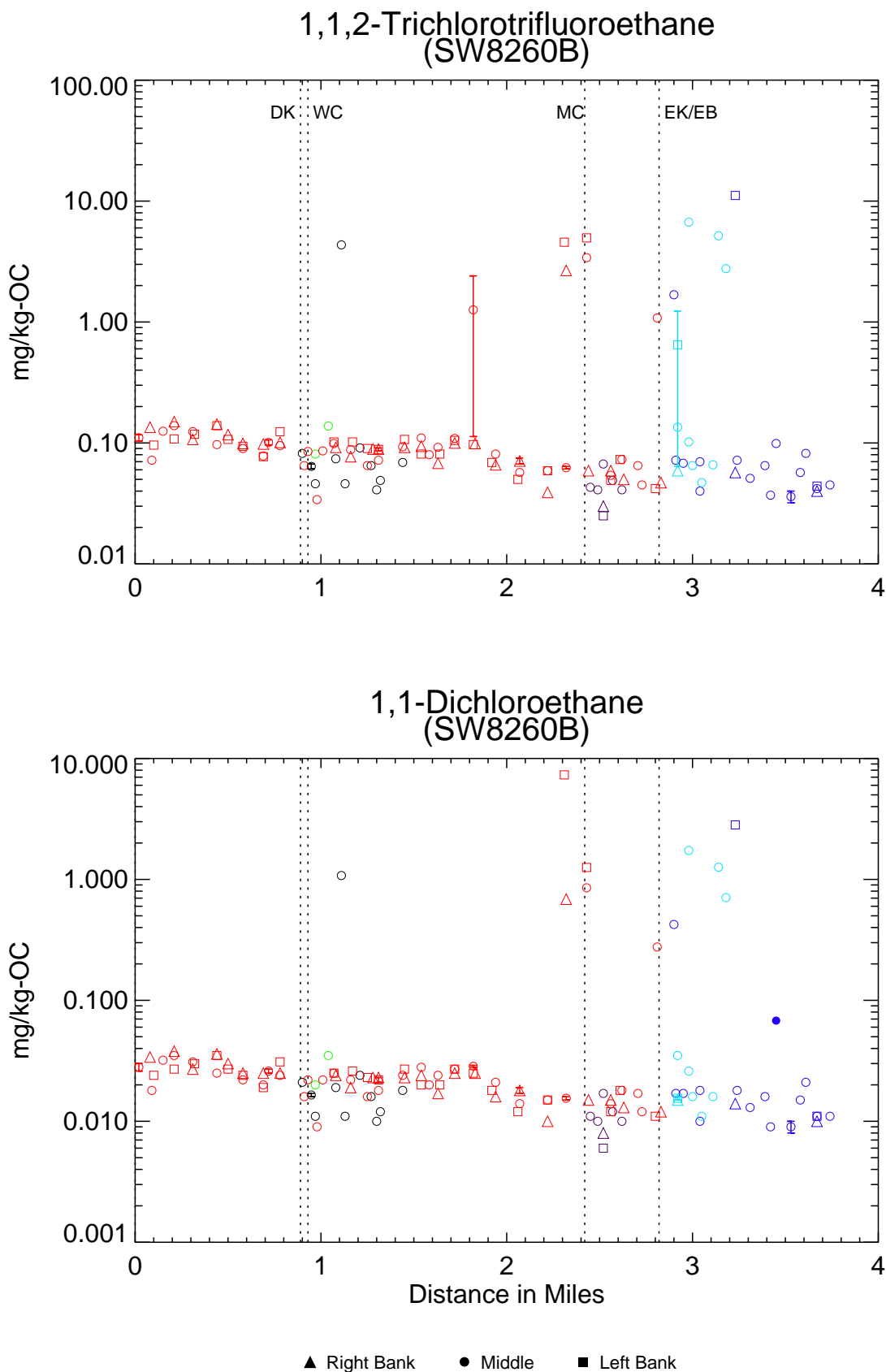
**Figure A4-305**

**Surface Sediment Chemical Data (OC Normal) - 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.*

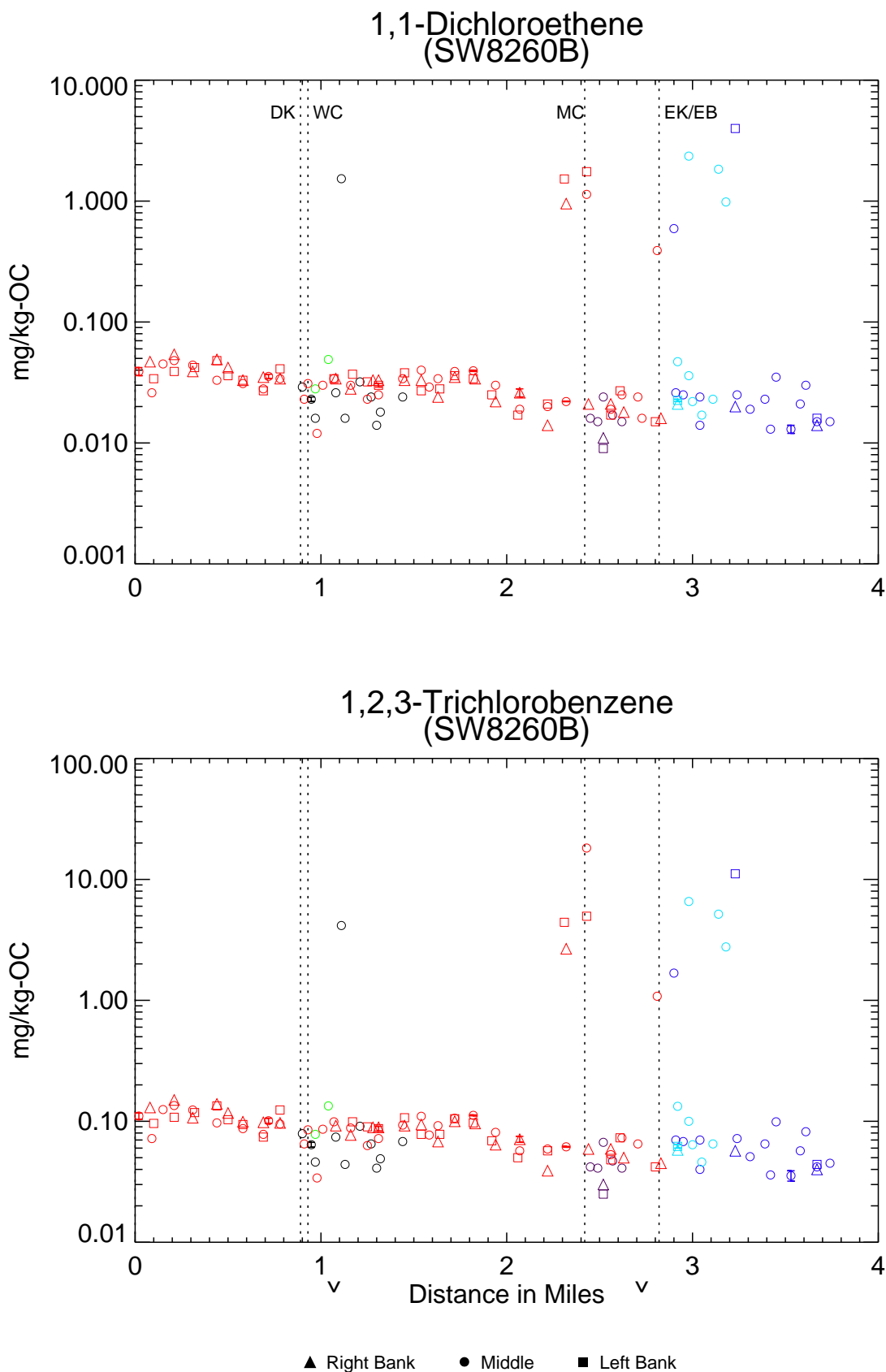
**Figure A4-306**

**Surface Sediment Chemical Data (OC Normal) - 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.*

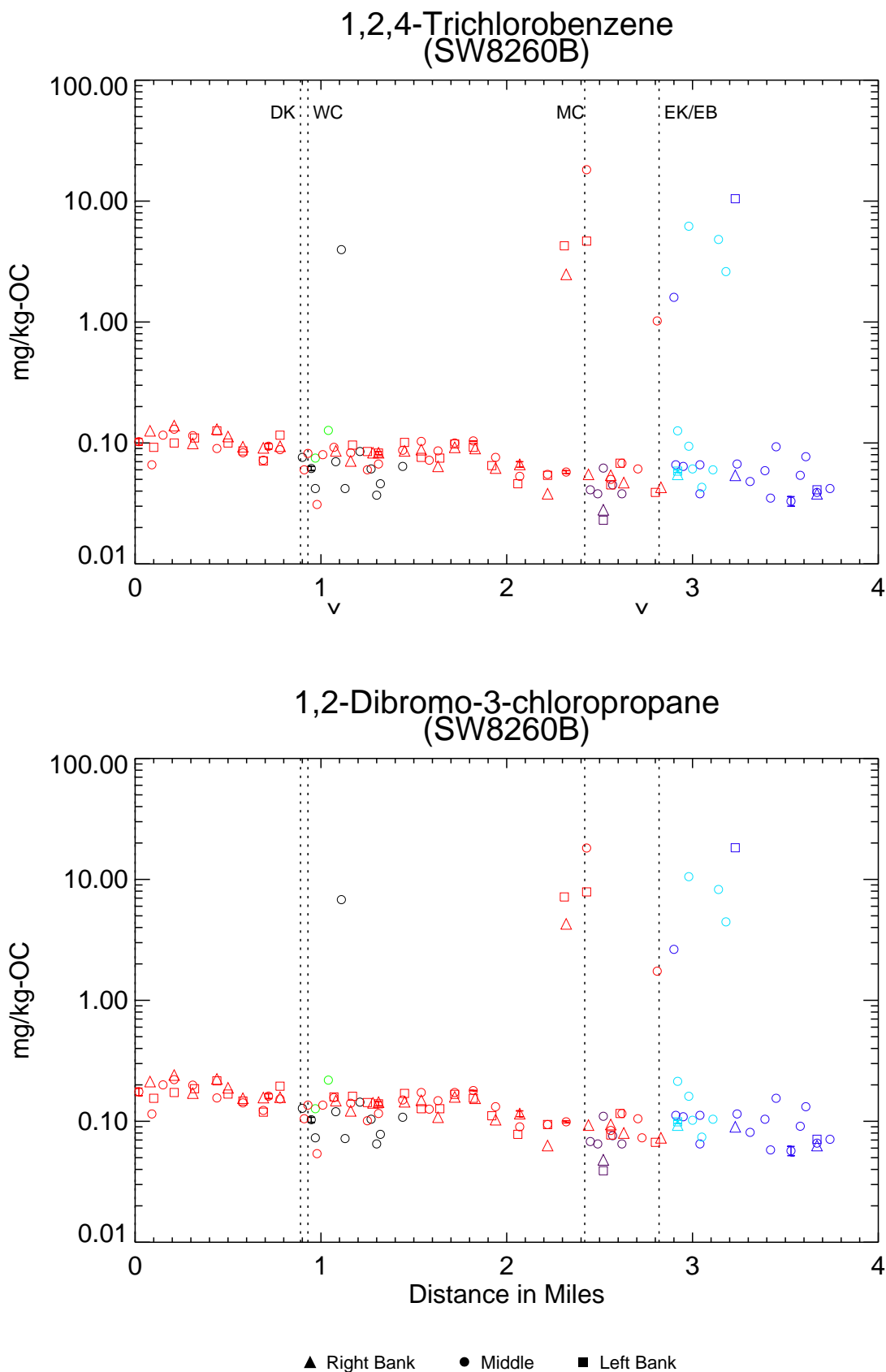
**Figure A4-307**

**Surface Sediment Chemical Data (OC Normal) - 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.*

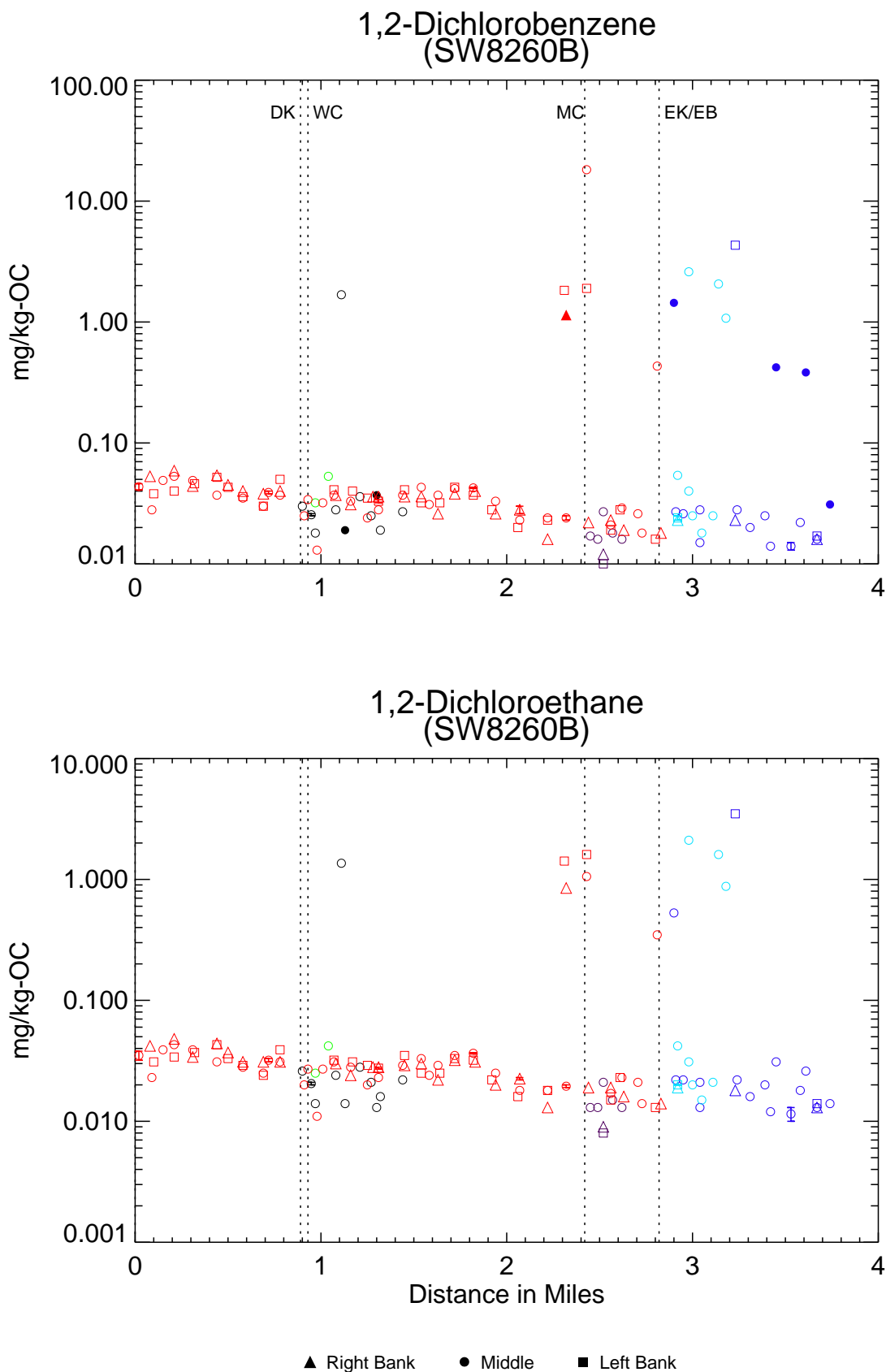
**Figure A4-308**

**Surface Sediment Chemical Data (OC Normal) - 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.*



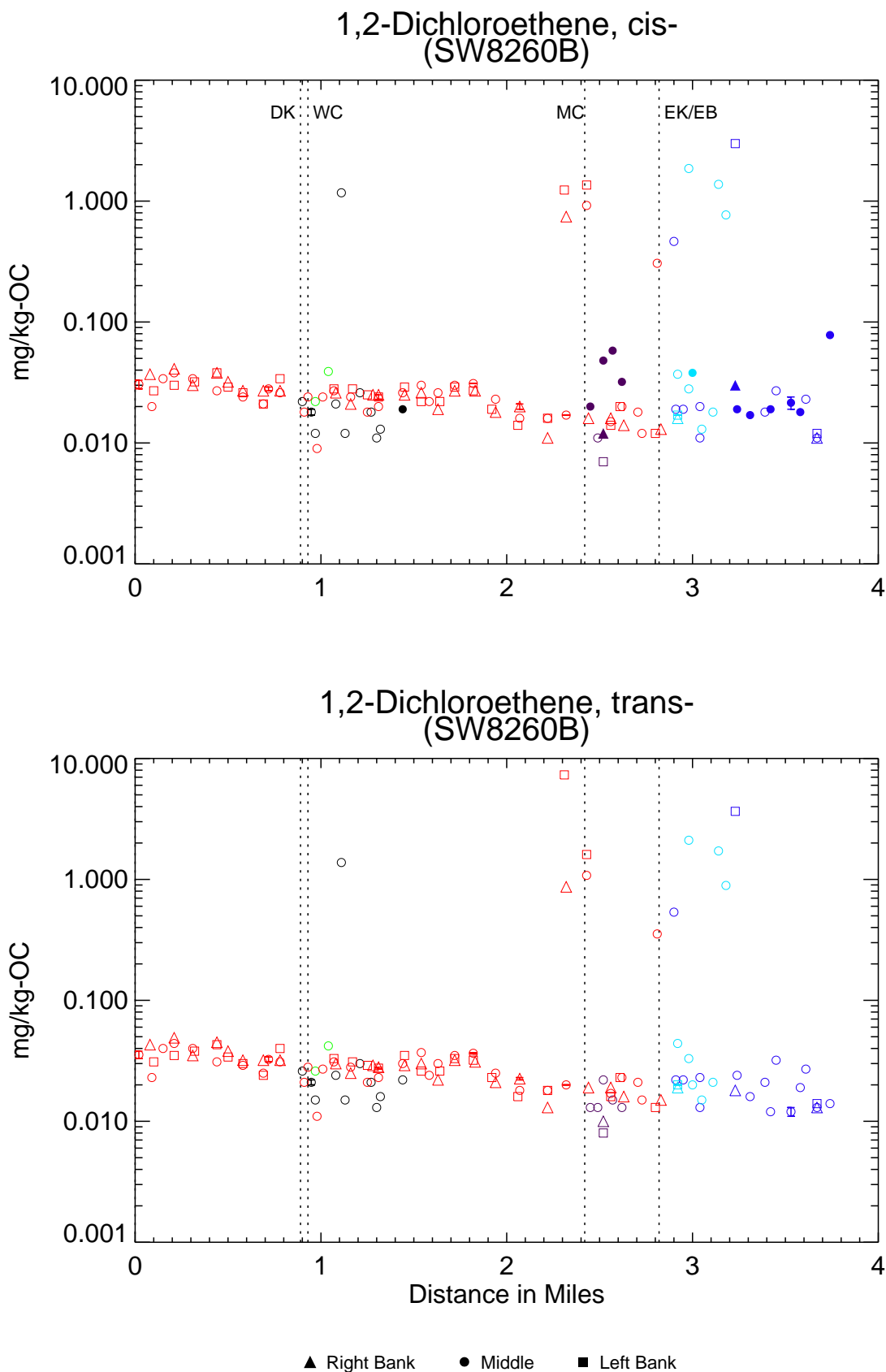
**Figure A4-309**

**Surface Sediment Chemical Data (OC Normal) - 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.*



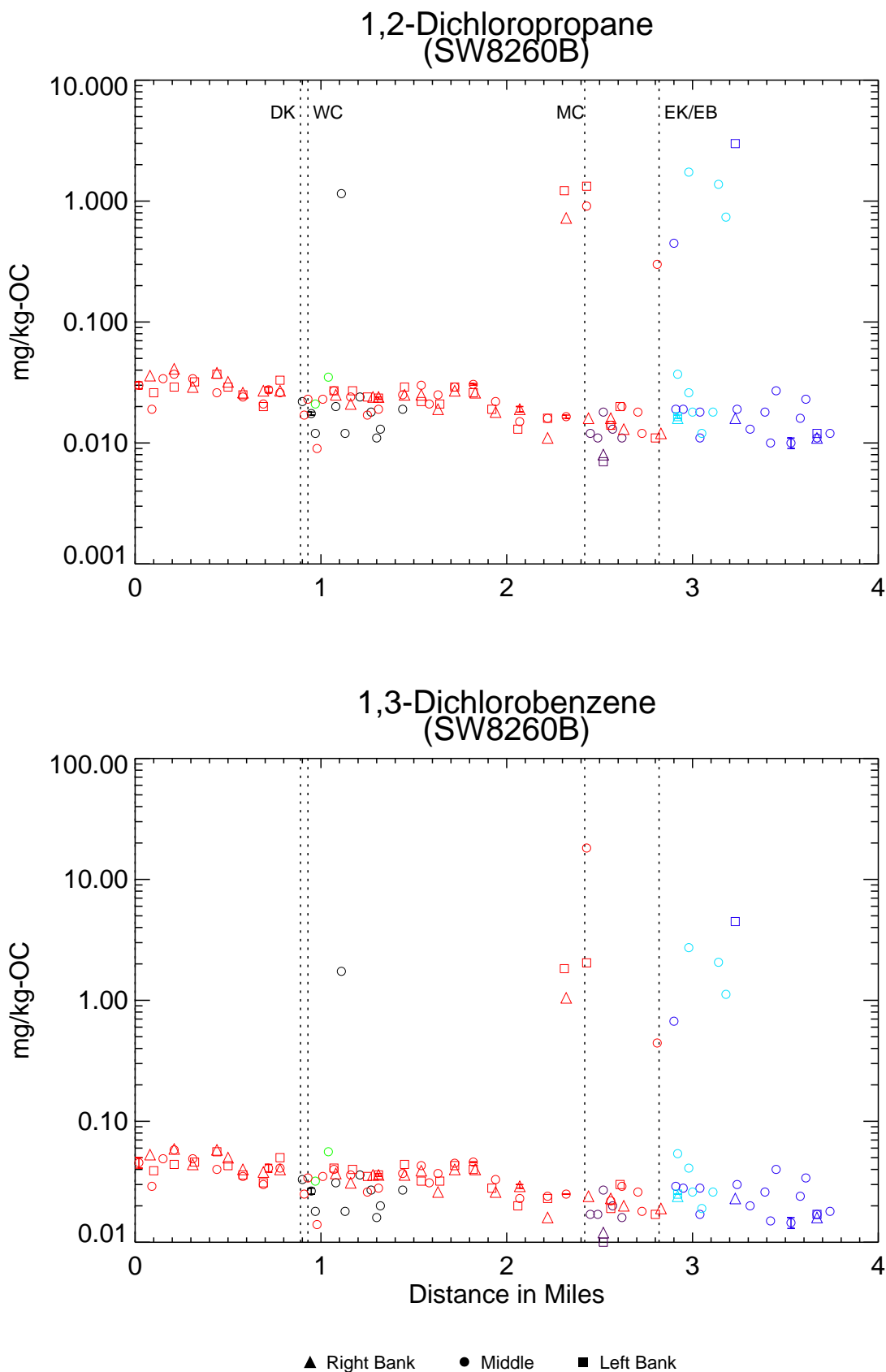
**Figure A4-310**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-311**

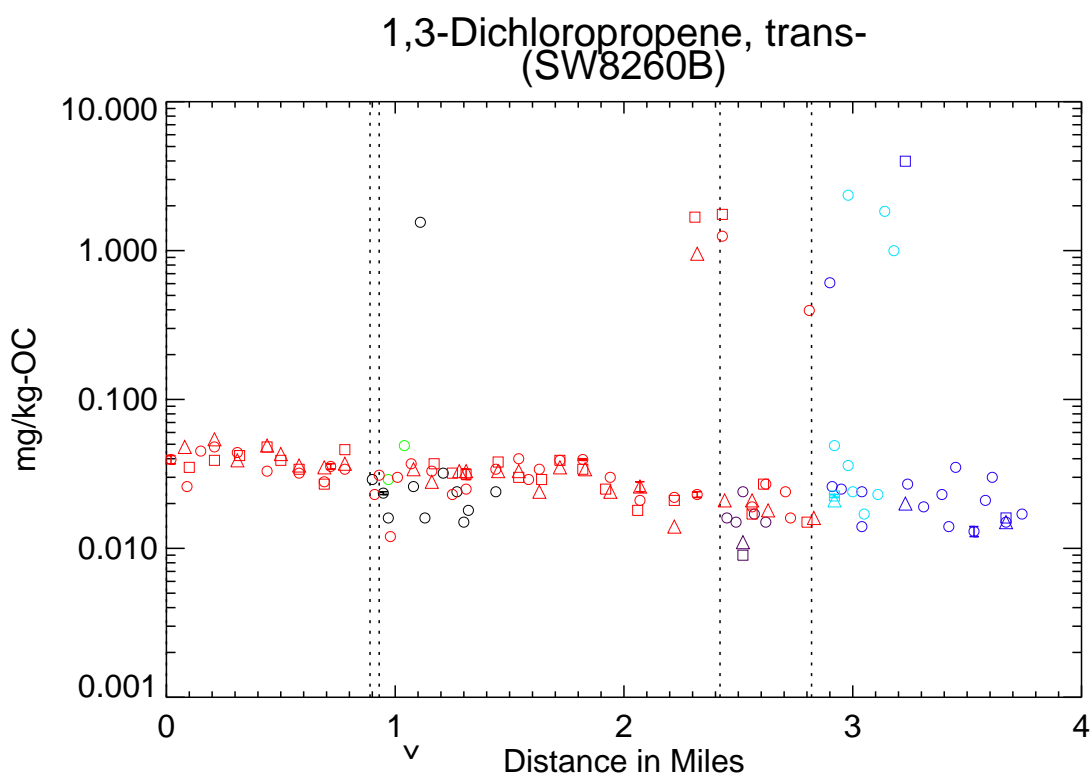
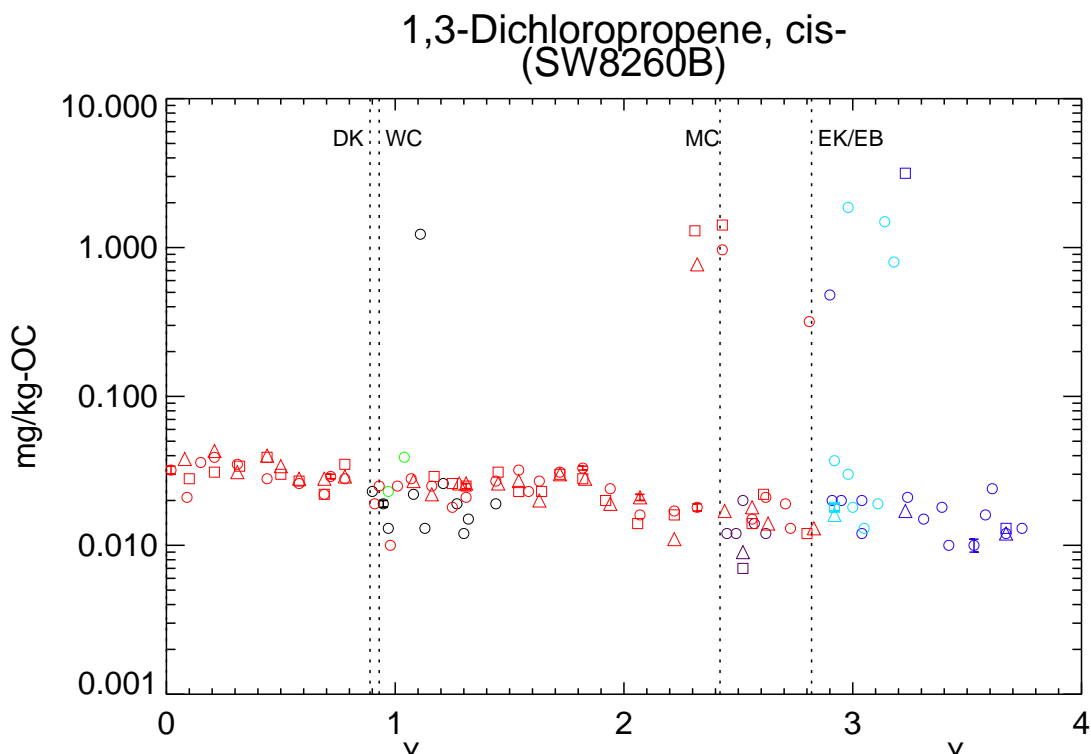
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*







▲ Right Bank    ● Middle    ■ Left Bank

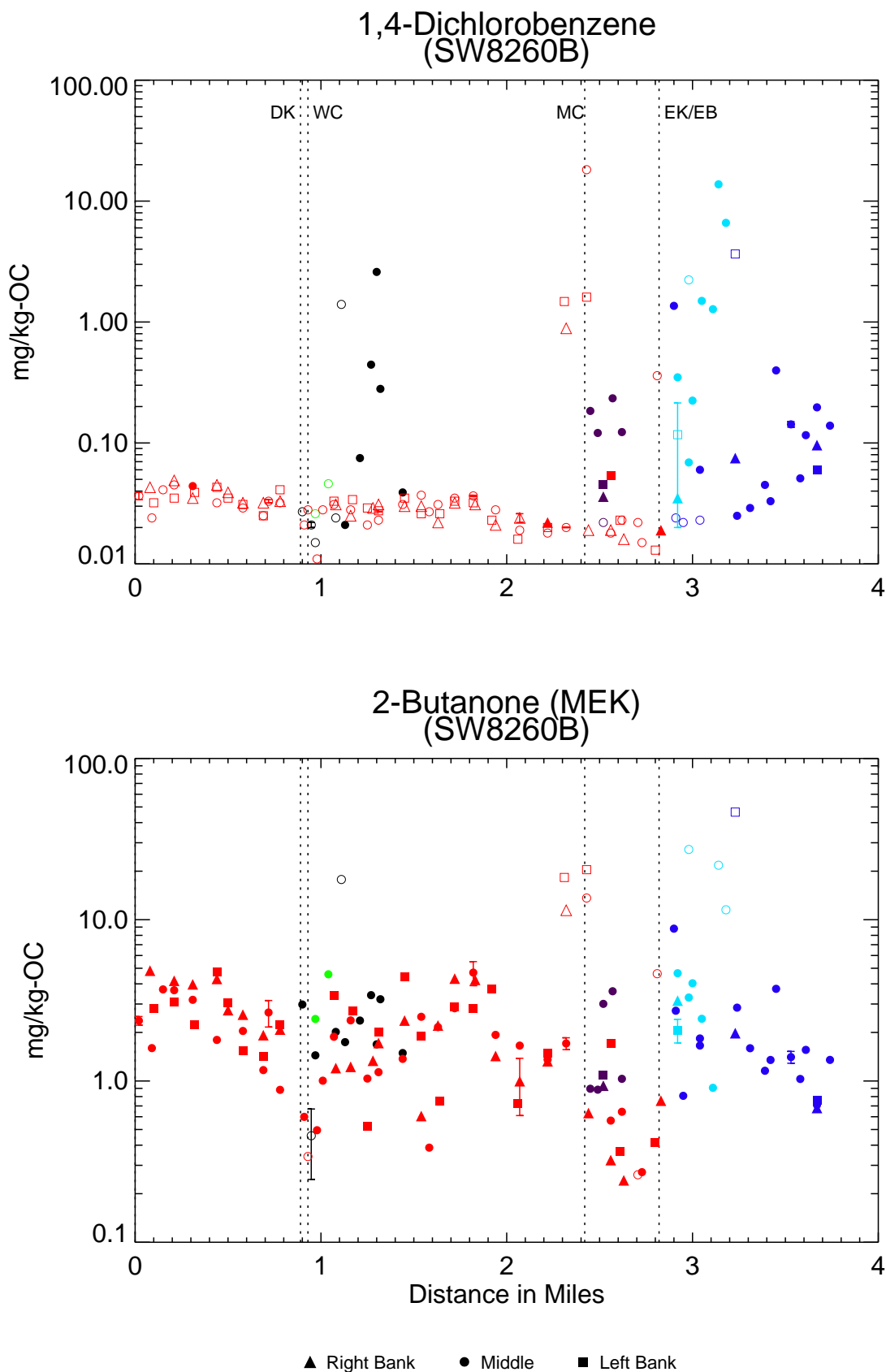
**Figure A4-312**

**Surface Sediment Chemical Data (OC Normal) - 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.*

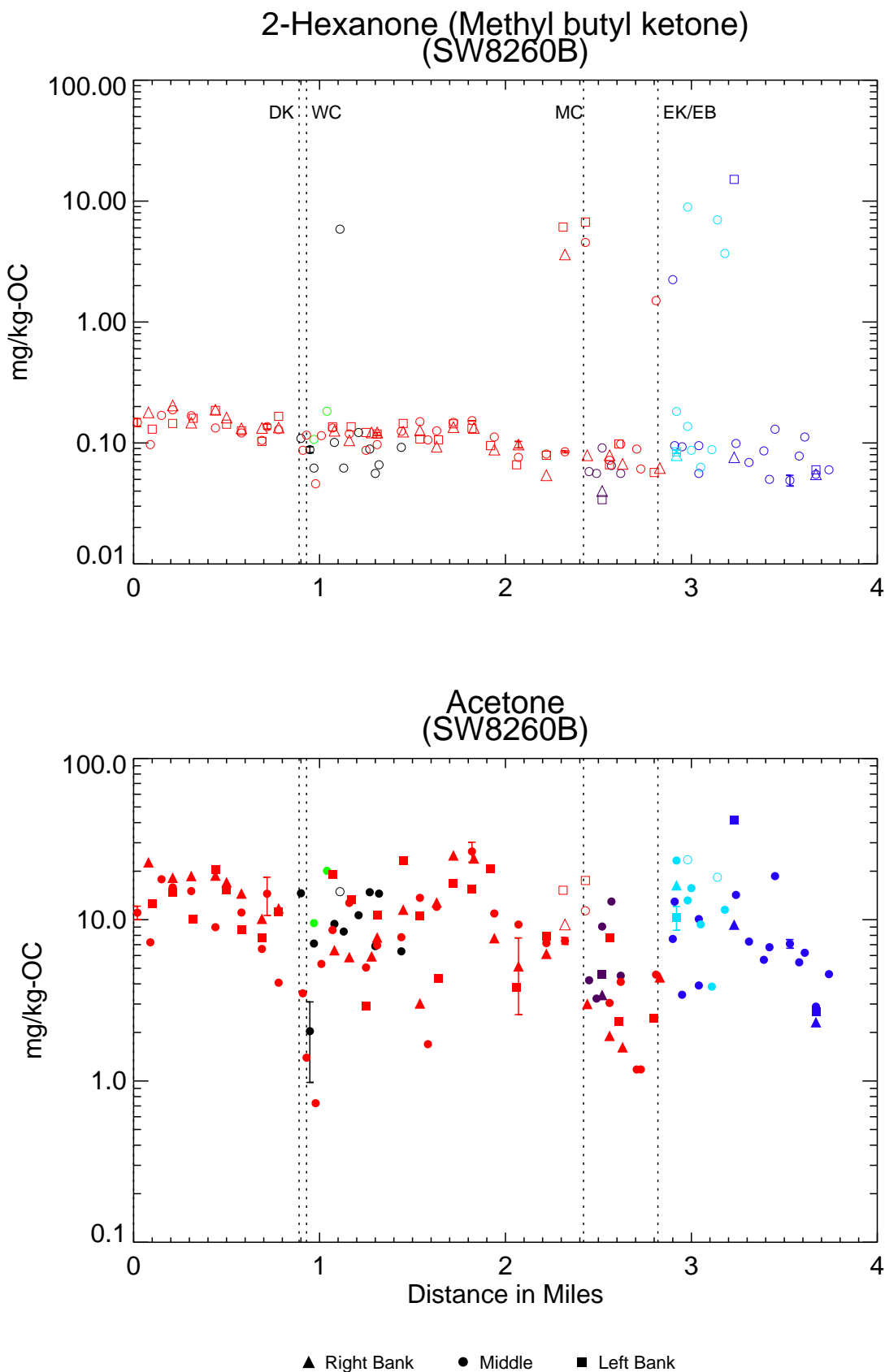
**Figure A4-313**

**Surface Sediment Chemical Data (OC Normal) - 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.*

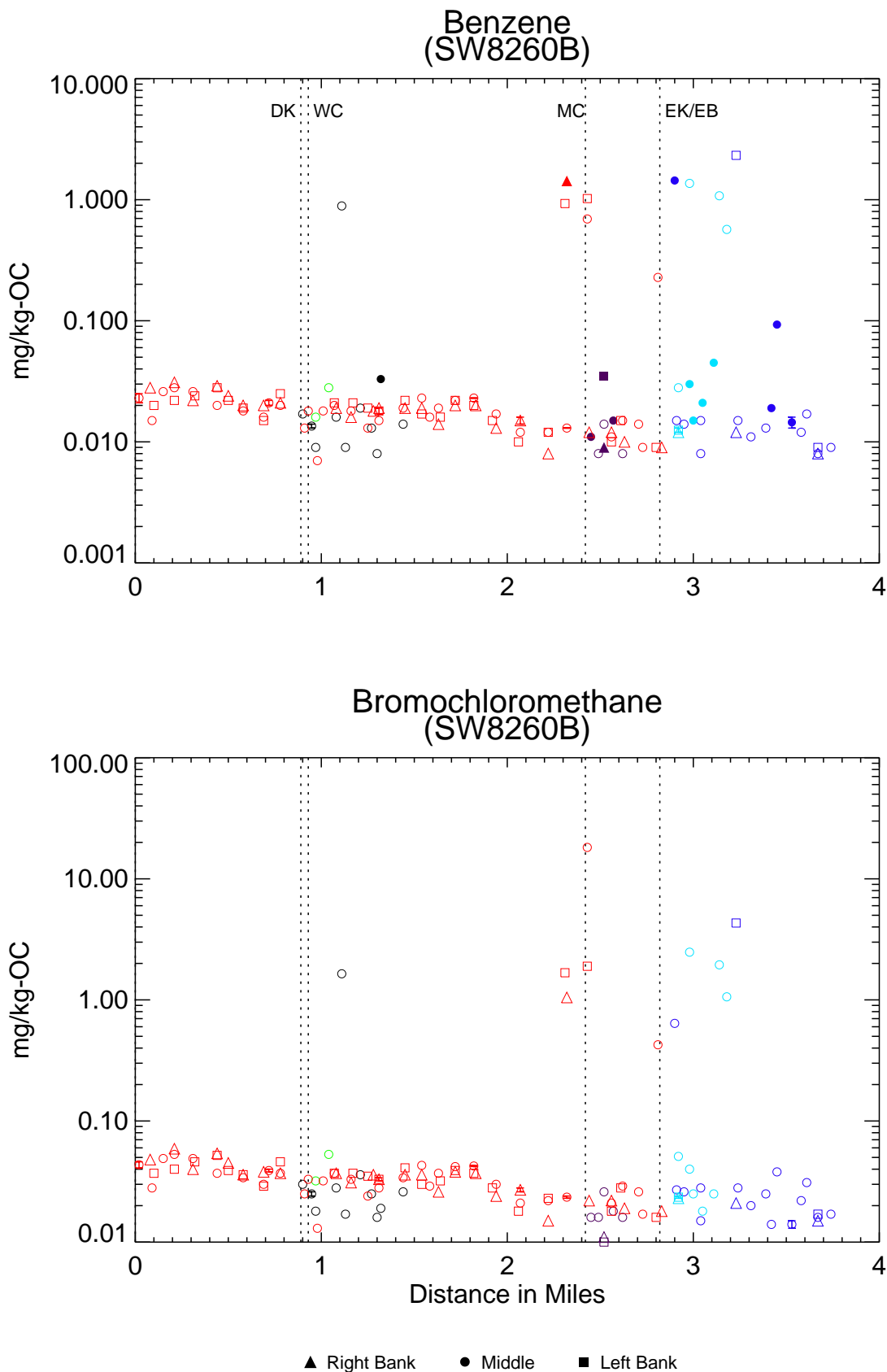
**Figure A4-314**

Surface Sediment Chemical Data (OC Normal) - 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.*



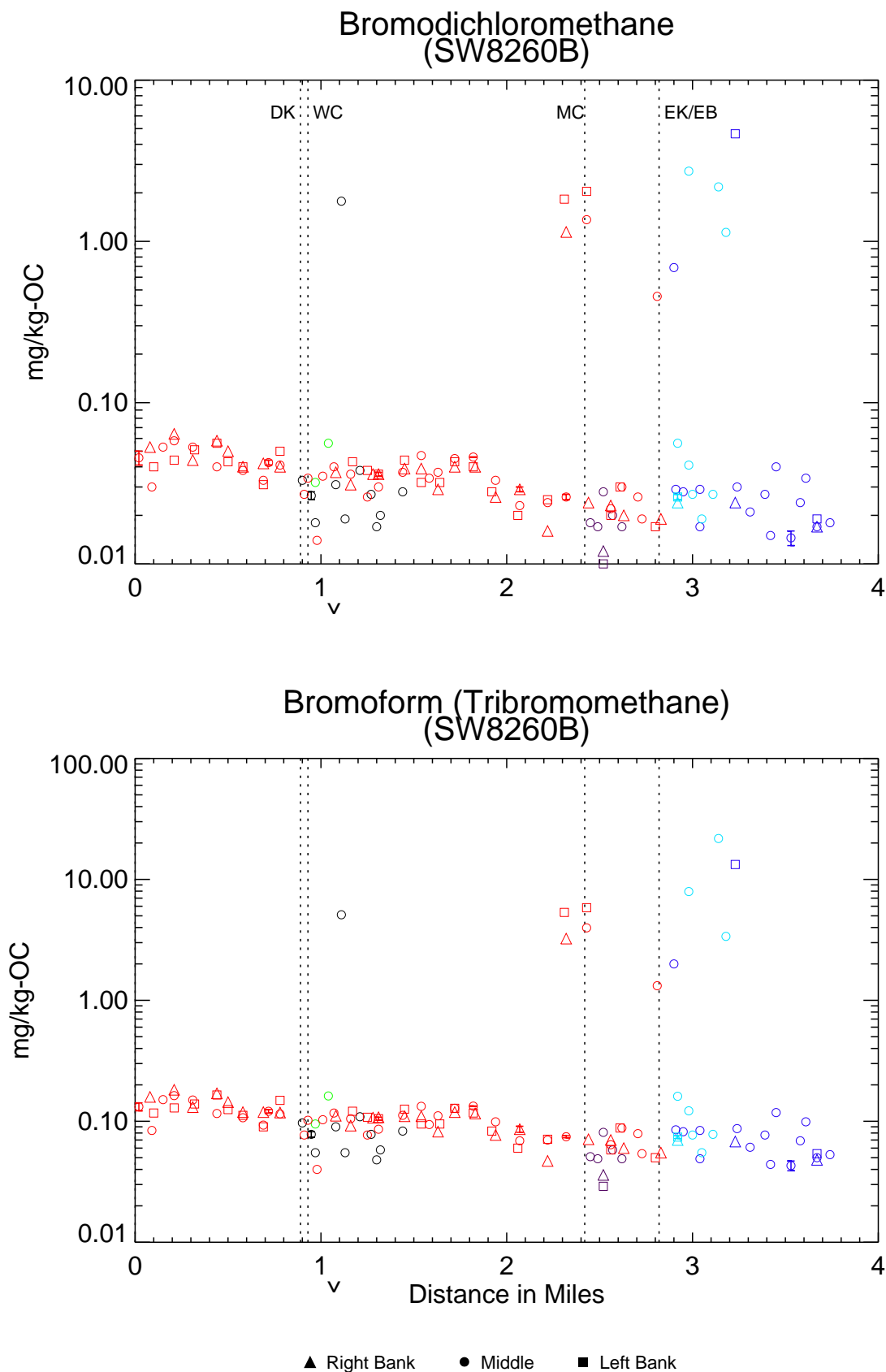
**Figure A4-315**

**Surface Sediment Chemical Data (OC Normal) - 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.*



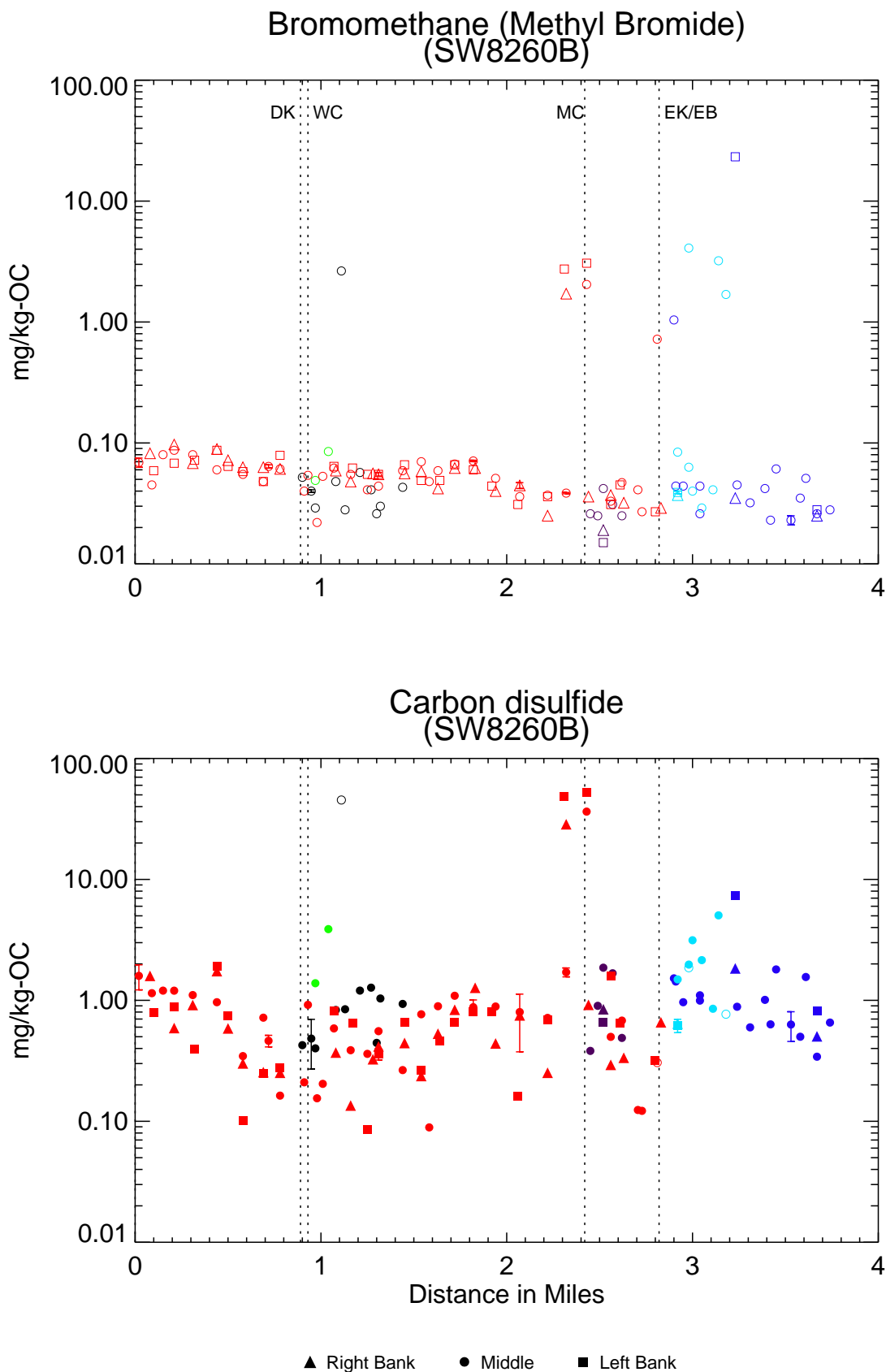
**Figure A4-316**

**Surface Sediment Chemical Data (OC Normal) - 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.*

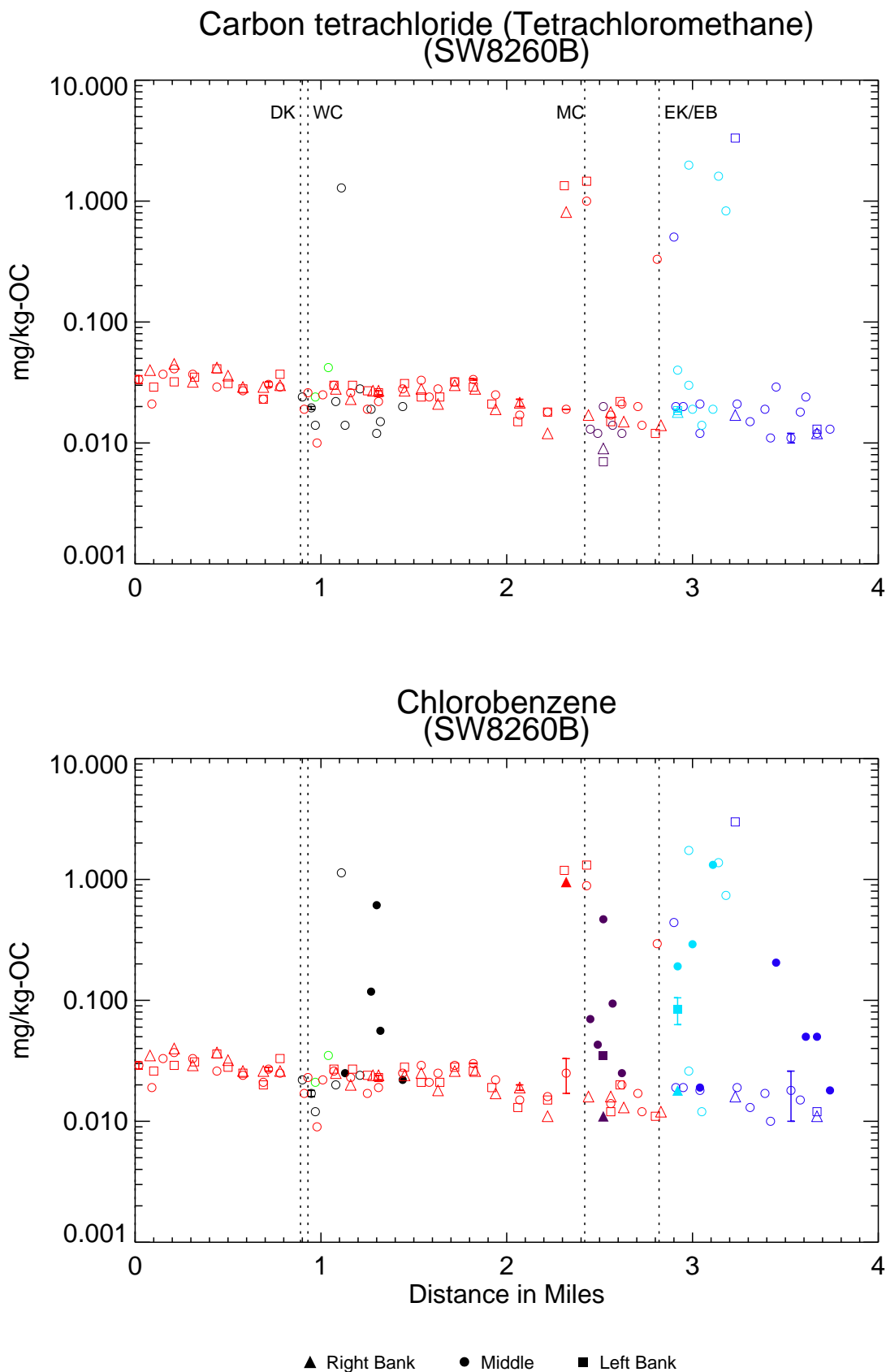
**Figure A4-317**

Surface Sediment Chemical Data (OC Normal) - 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)

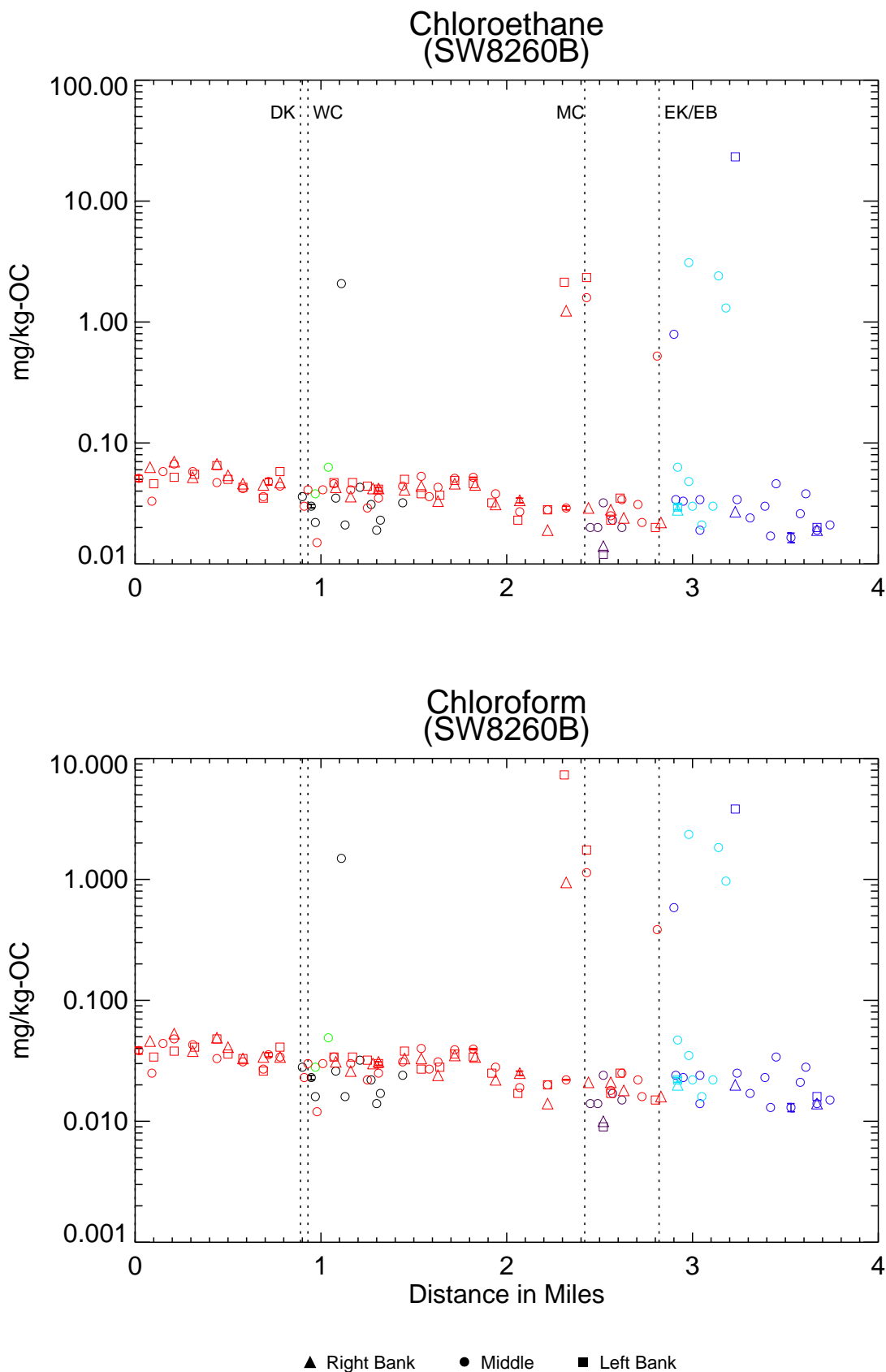
**Figure A4-318**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-319**

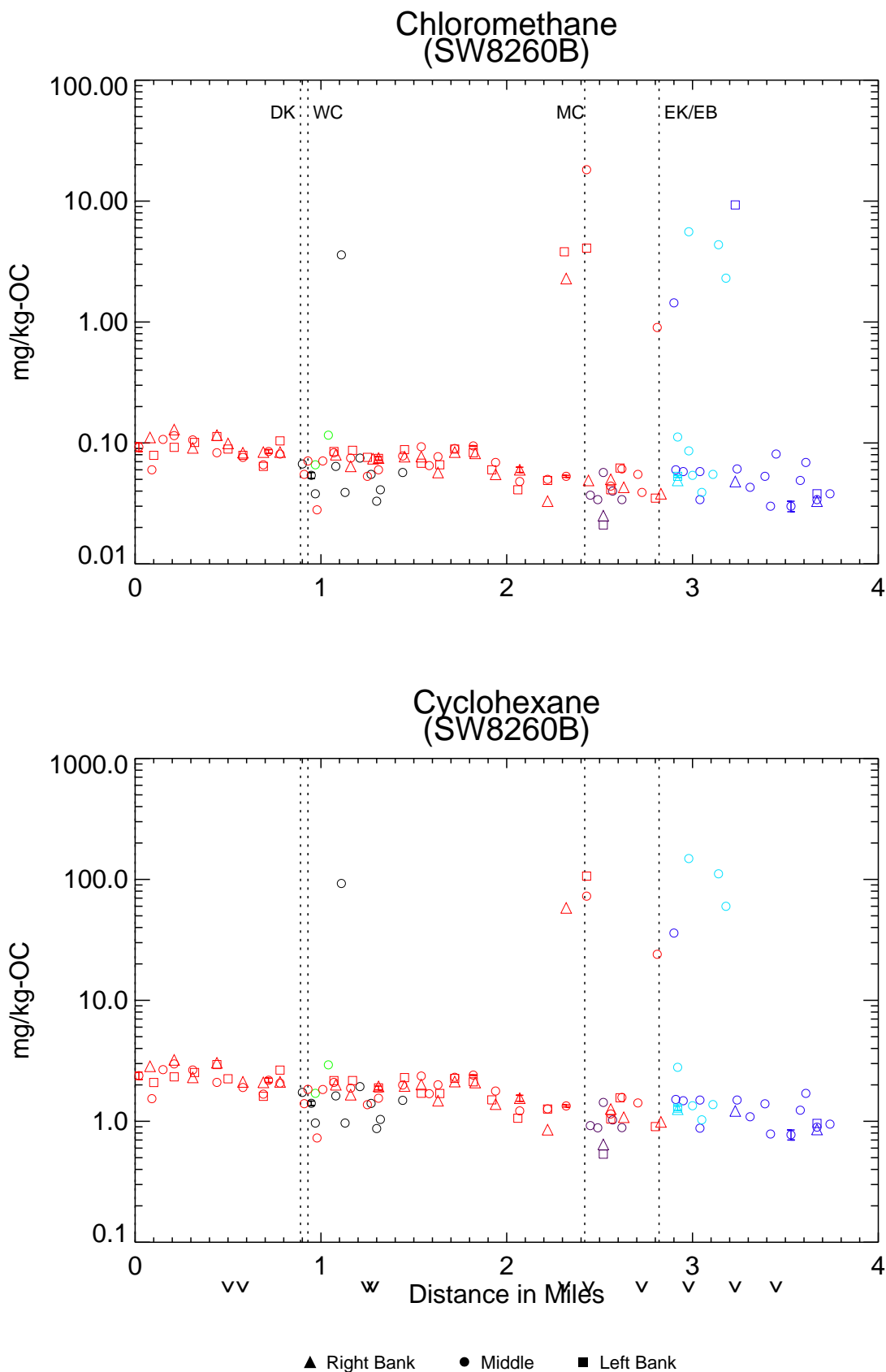
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



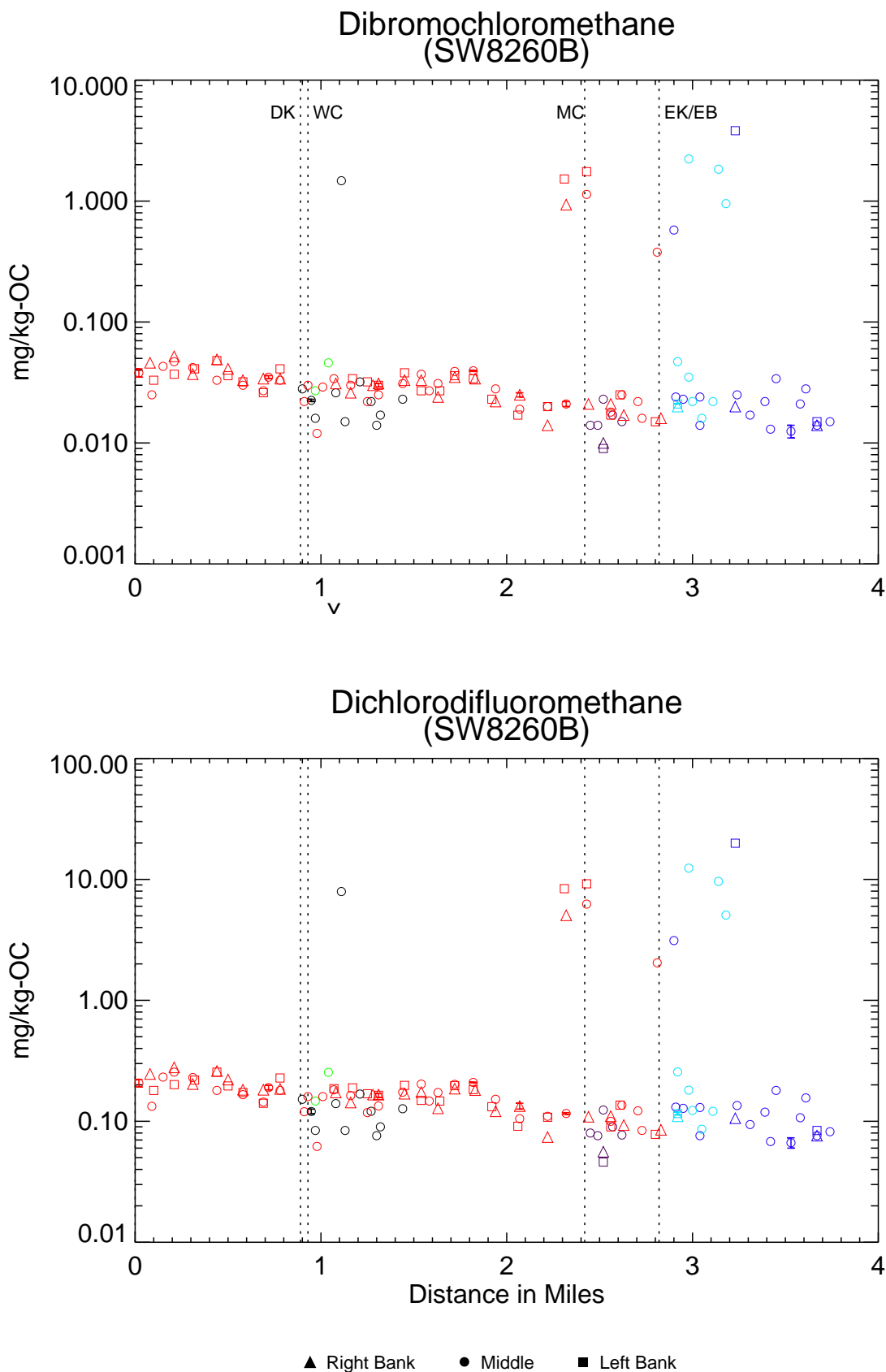
**Figure A4-320**

**Surface Sediment Chemical Data (OC Normal) - 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.*



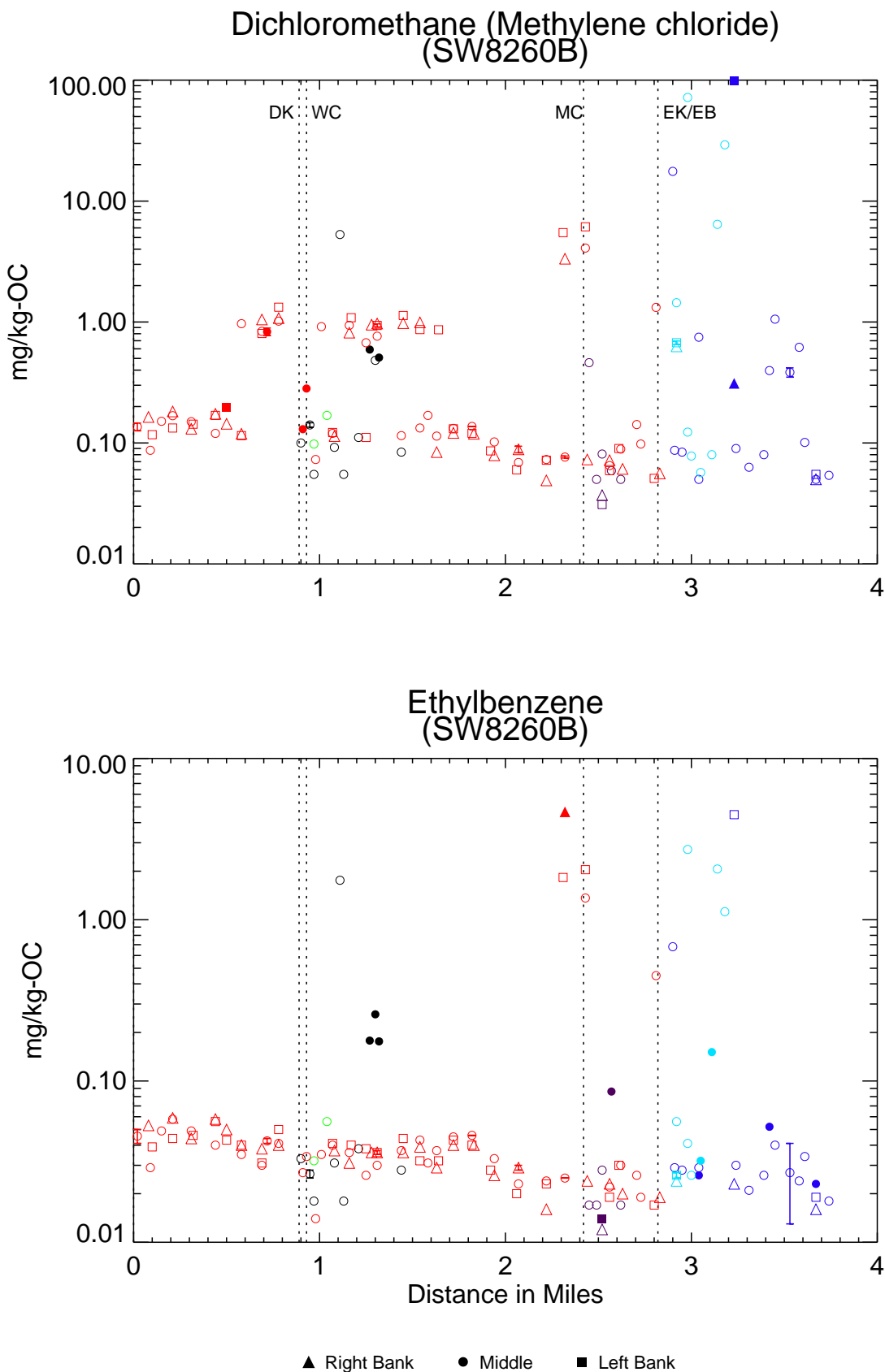
**Figure A4-321**

**Surface Sediment Chemical Data (OC Normal) - 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.*

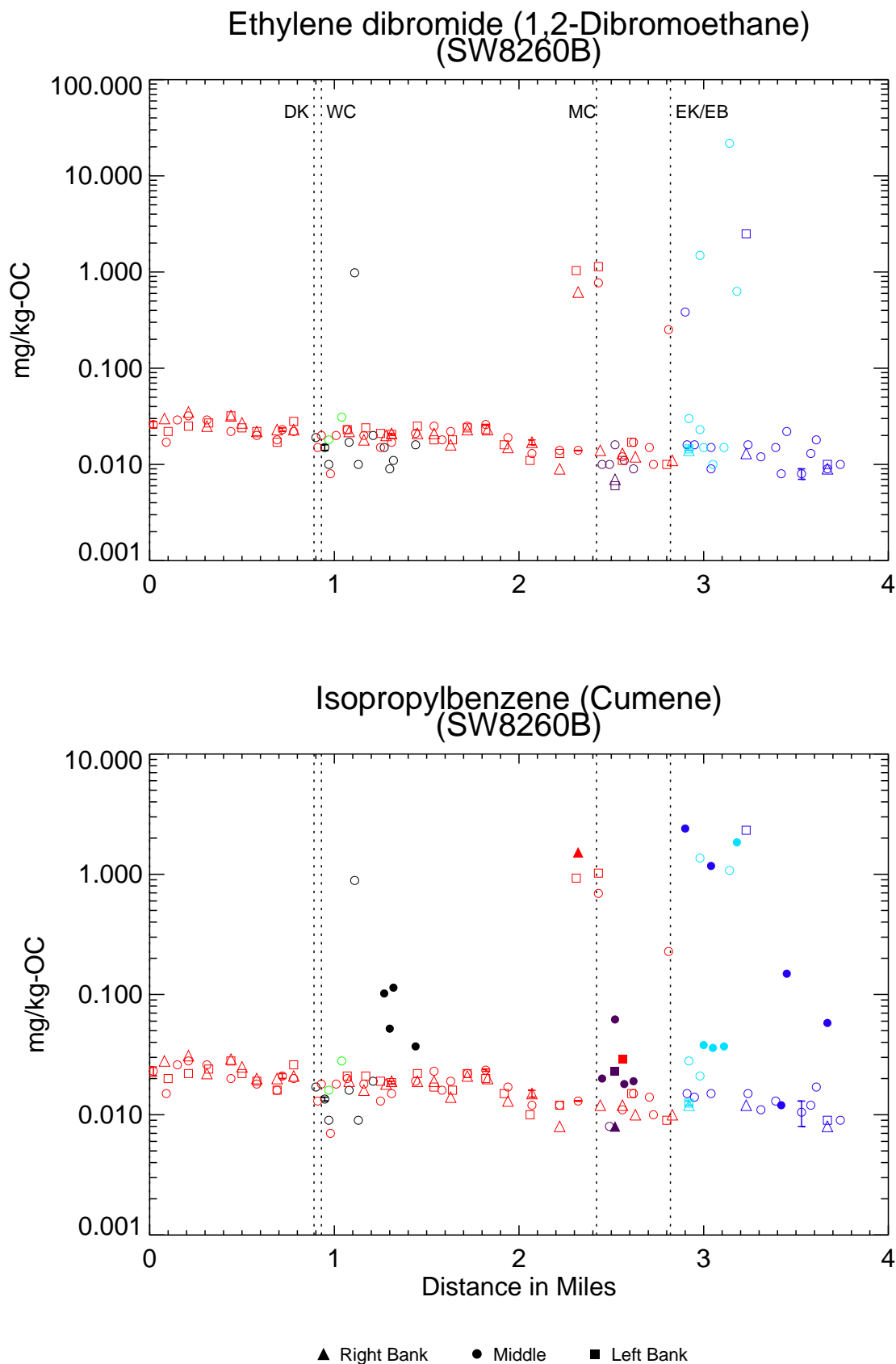
**Figure A4-322**

**Surface Sediment Chemical Data (OC Normal) - 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.*

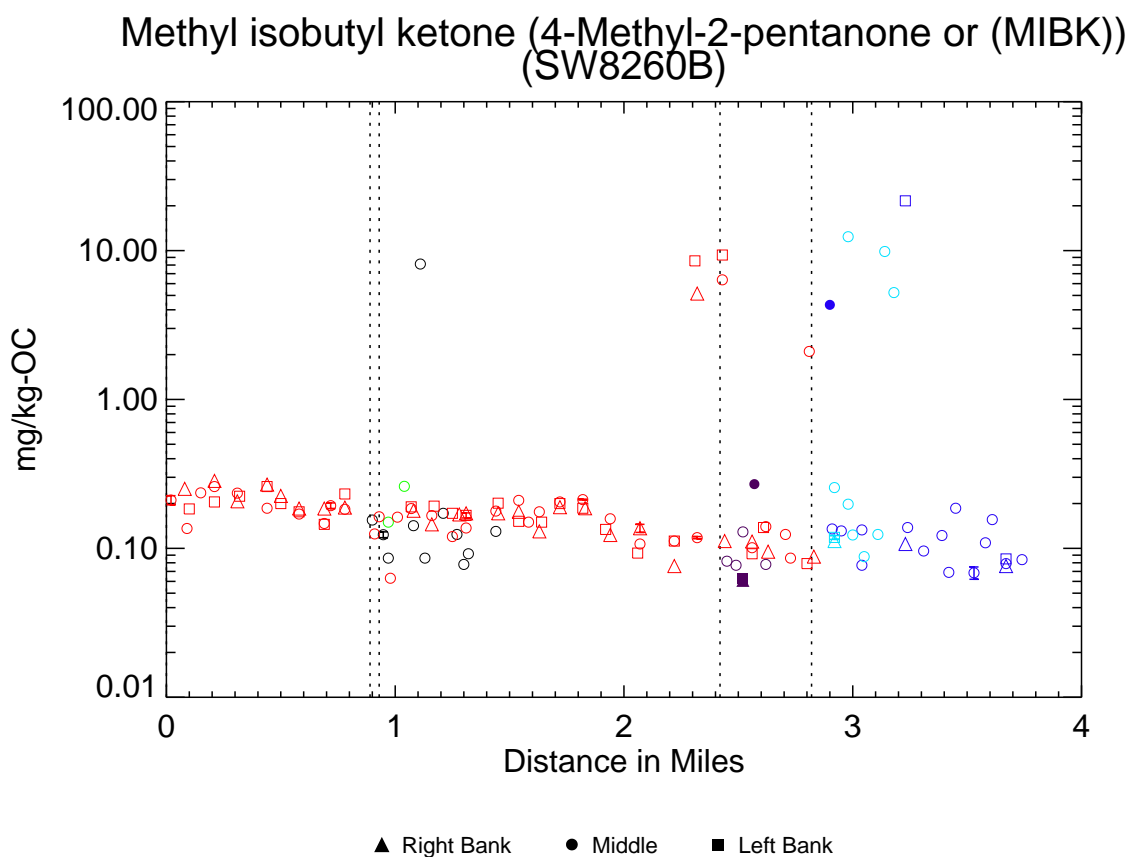
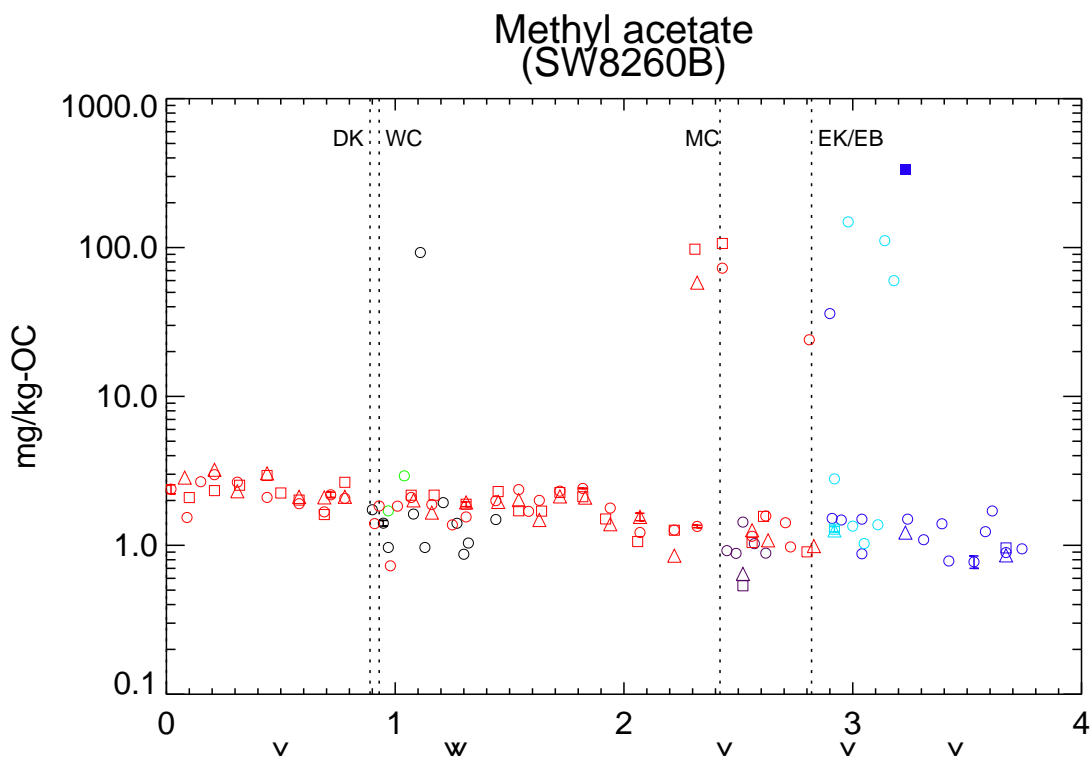
**Figure A4-323**

**Surface Sediment Chemical Data (OC Normal) - 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.*



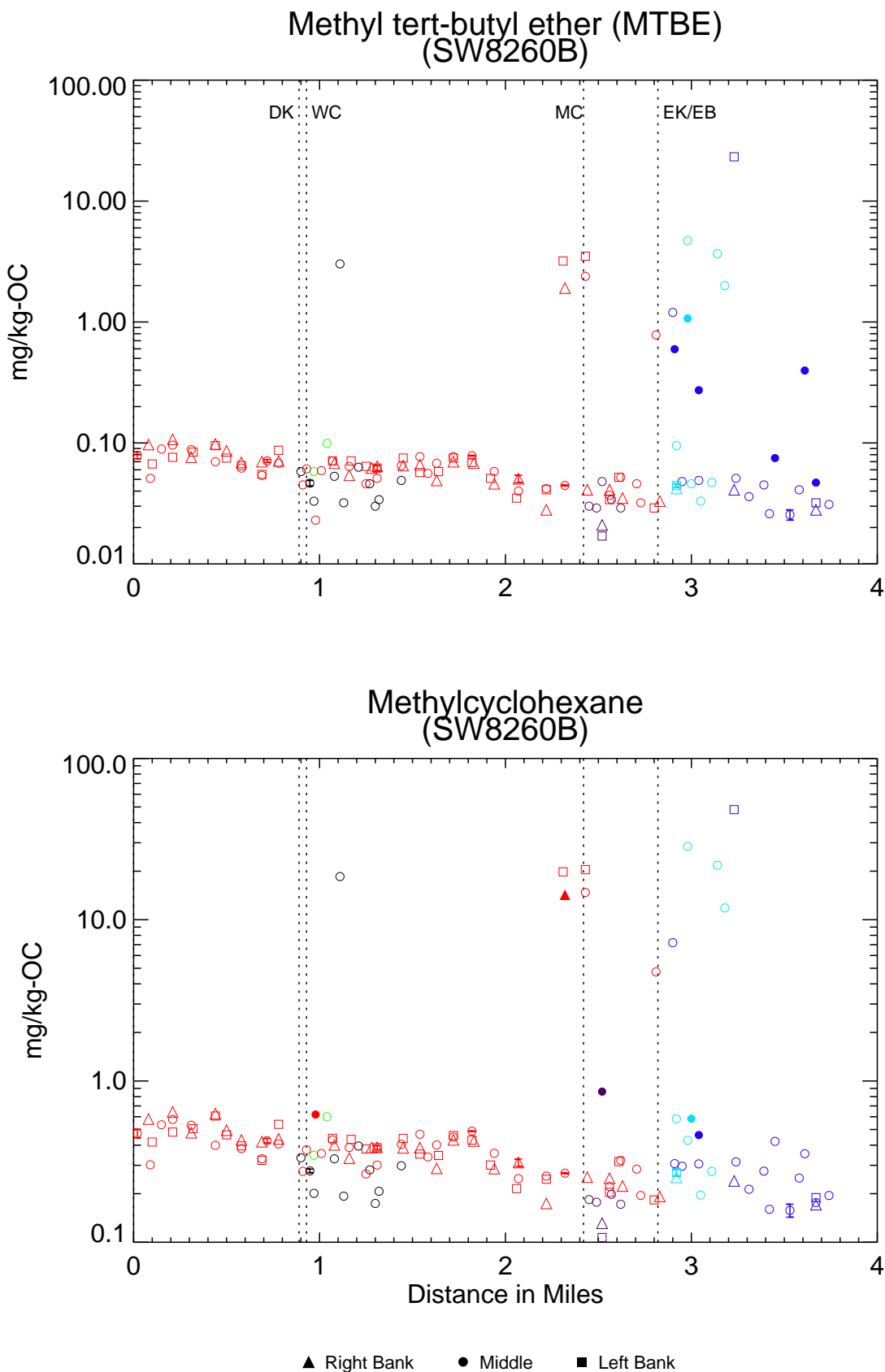
**Figure A4-324**

**Surface Sediment Chemical Data (OC Normal) - 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.*



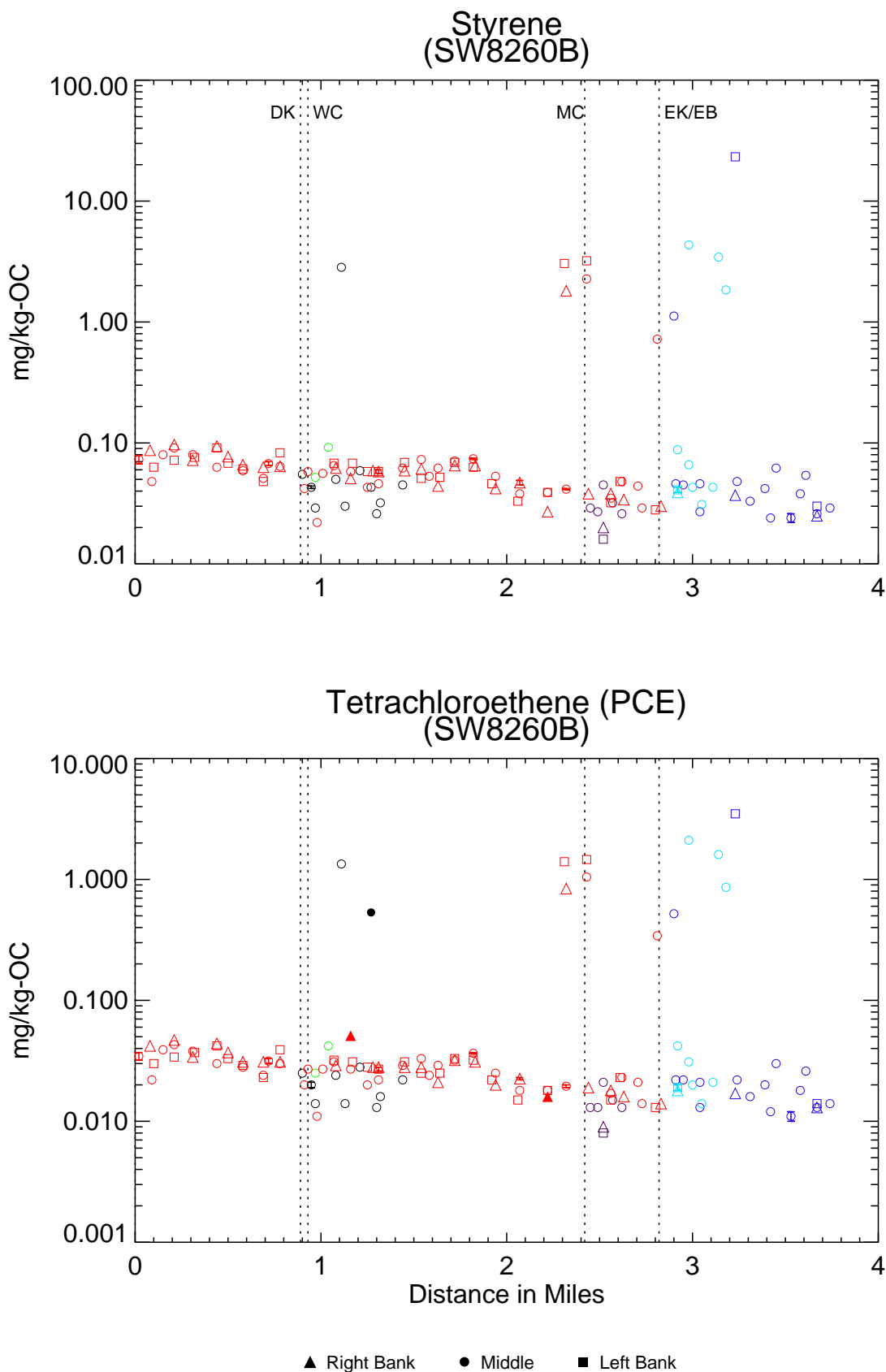
**Figure A4-325**

**Surface Sediment Chemical Data (OC Normal) - 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.*

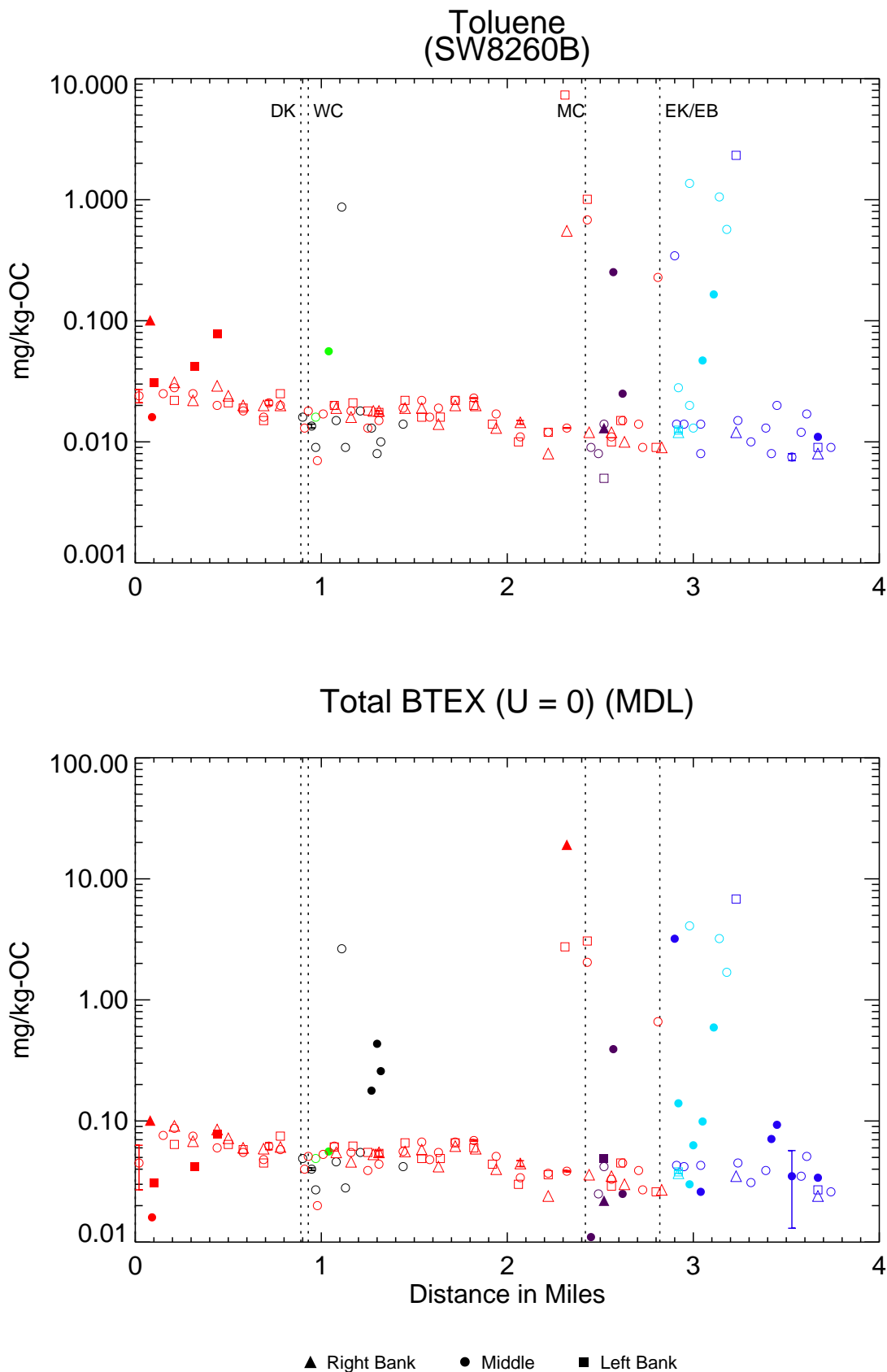
**Figure A4-326**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-327**

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

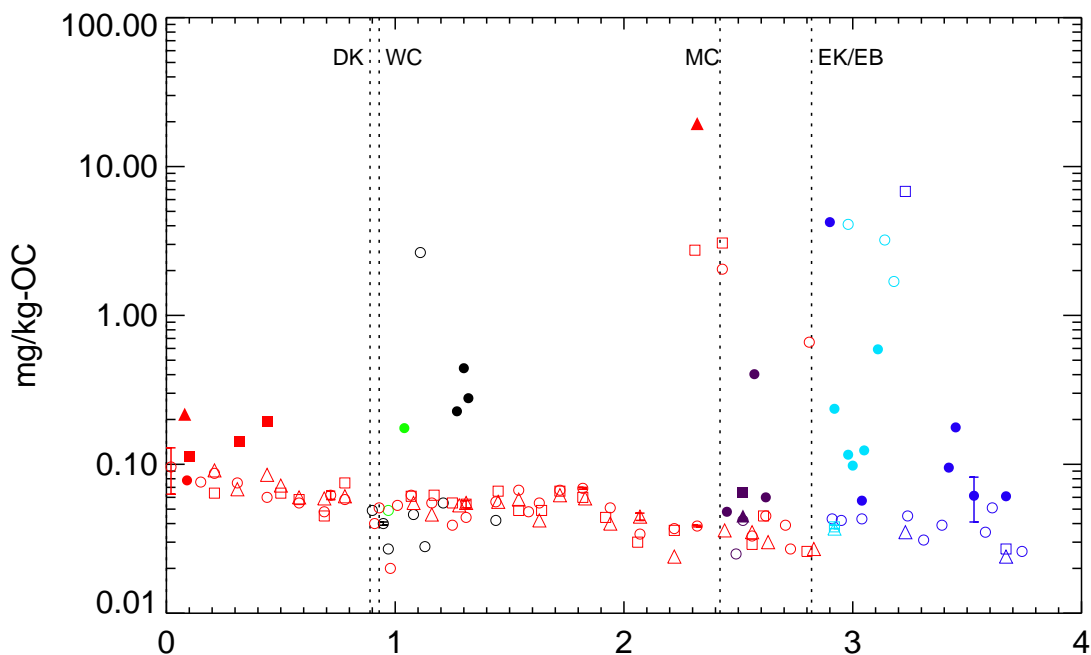


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

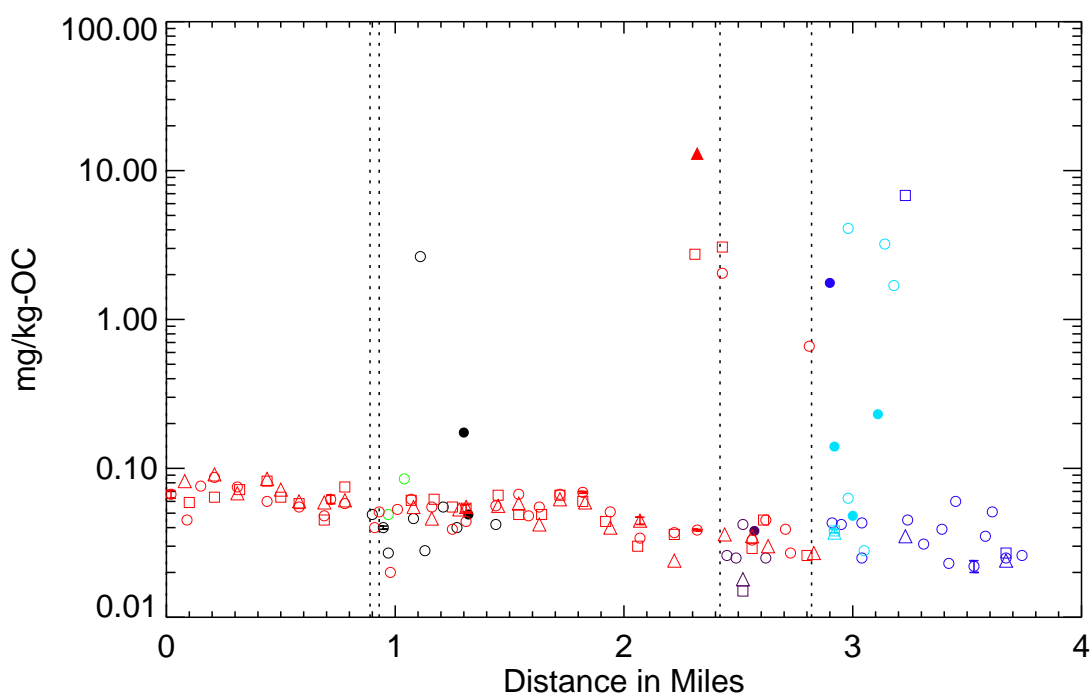
*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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



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



## Total Xylene (U = 0) (MDL)



▲ Right Bank    ● Middle    ■ Left Bank

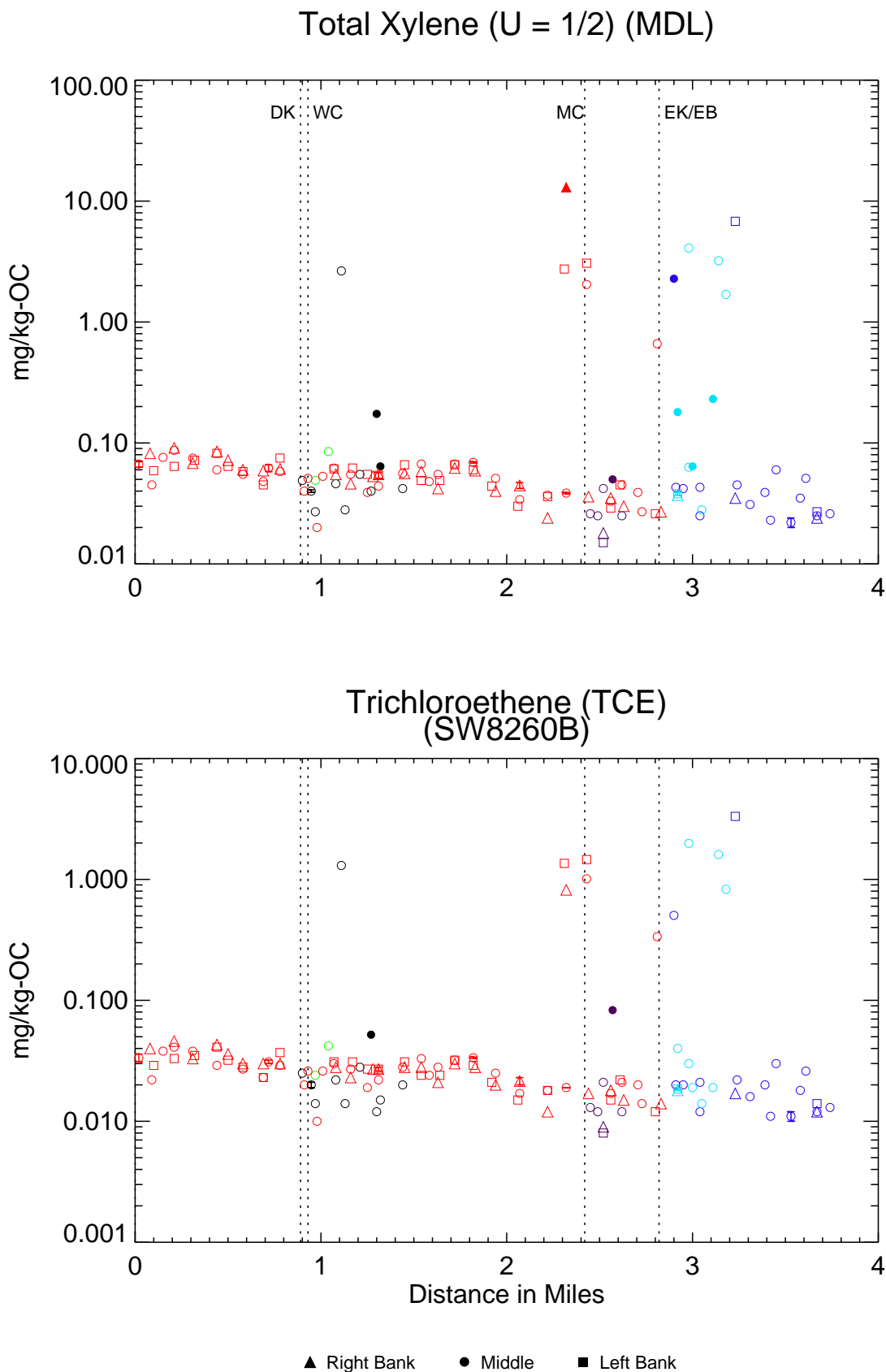
Figure A4-328

Surface Sediment Chemical Data (OC Normal) - 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.*

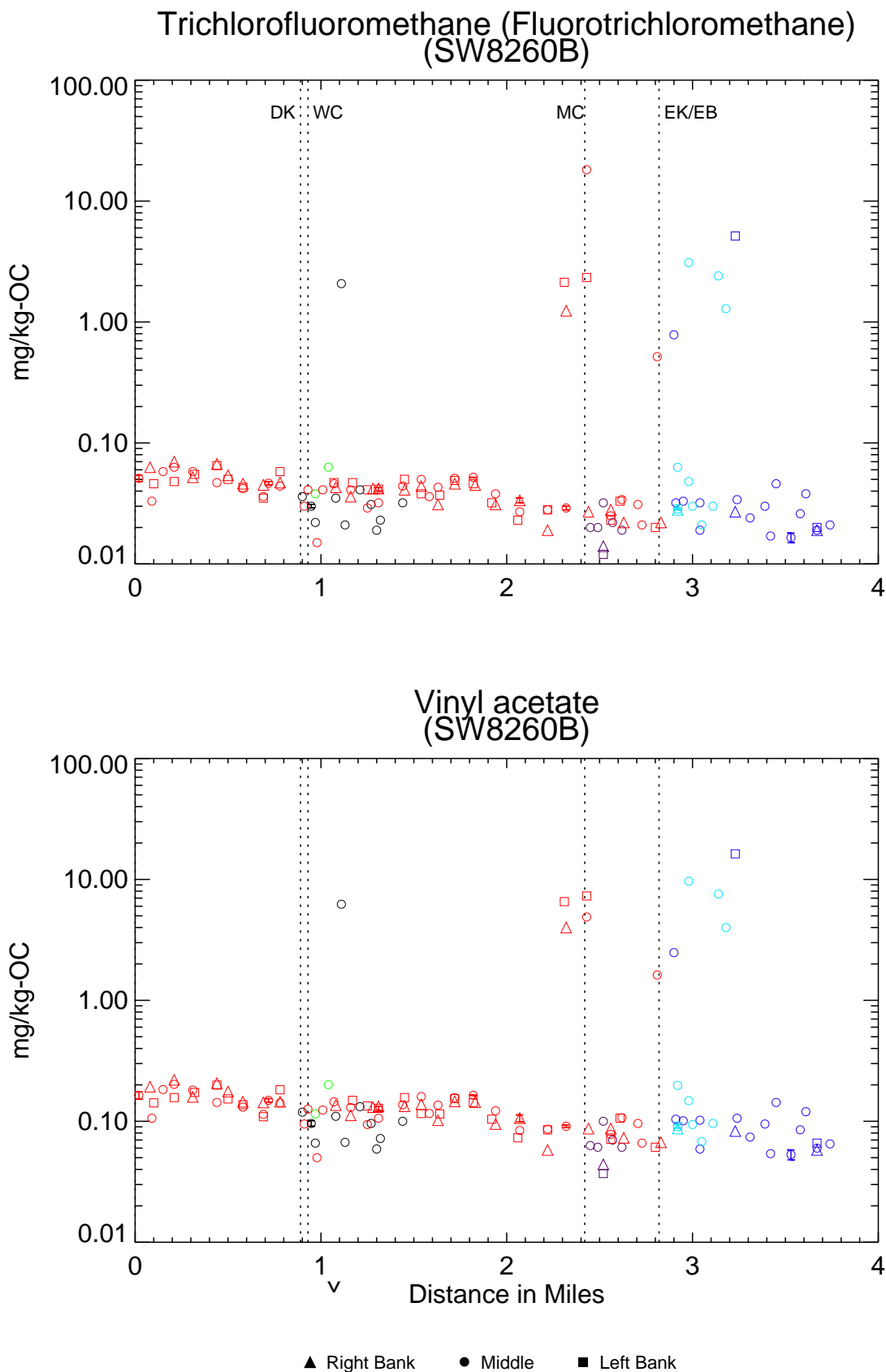
**Figure A4-329**

**Surface Sediment Chemical Data (OC Normal) - 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.*

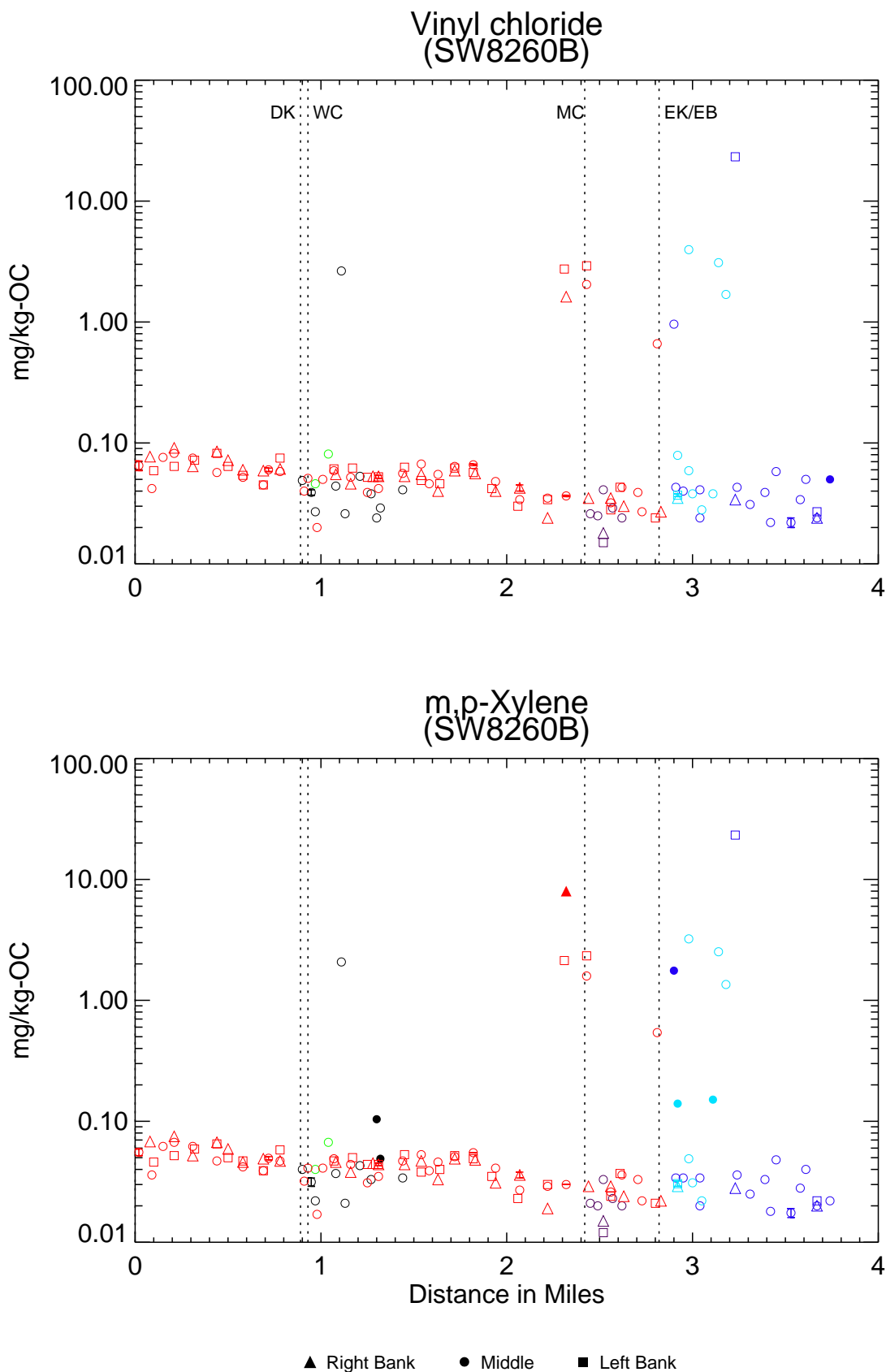
**Figure A4-330**

**Surface Sediment Chemical Data (OC Normal) - 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.*

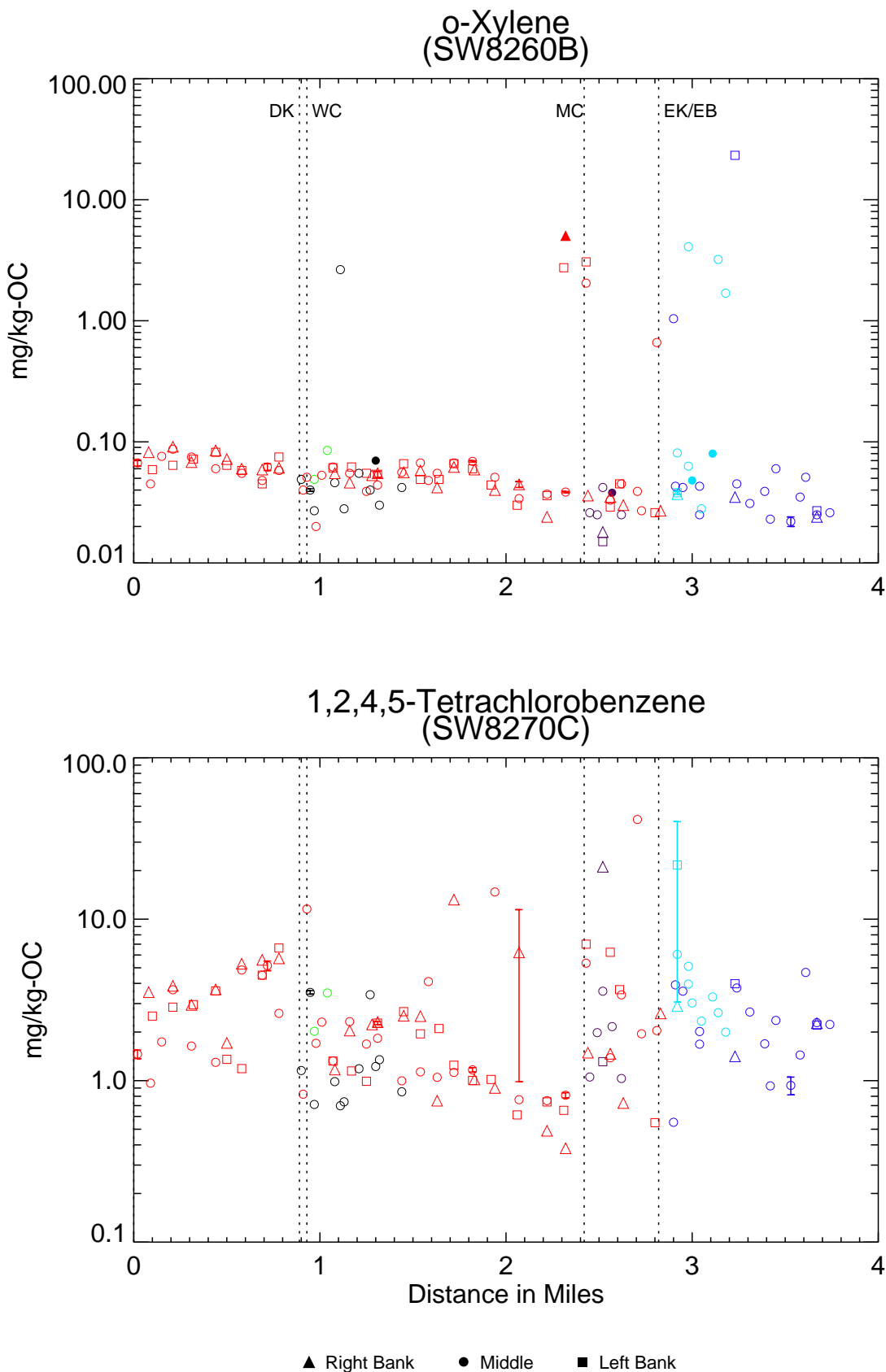
**Figure A4-331**

**Surface Sediment Chemical Data (OC Normal) - 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.*

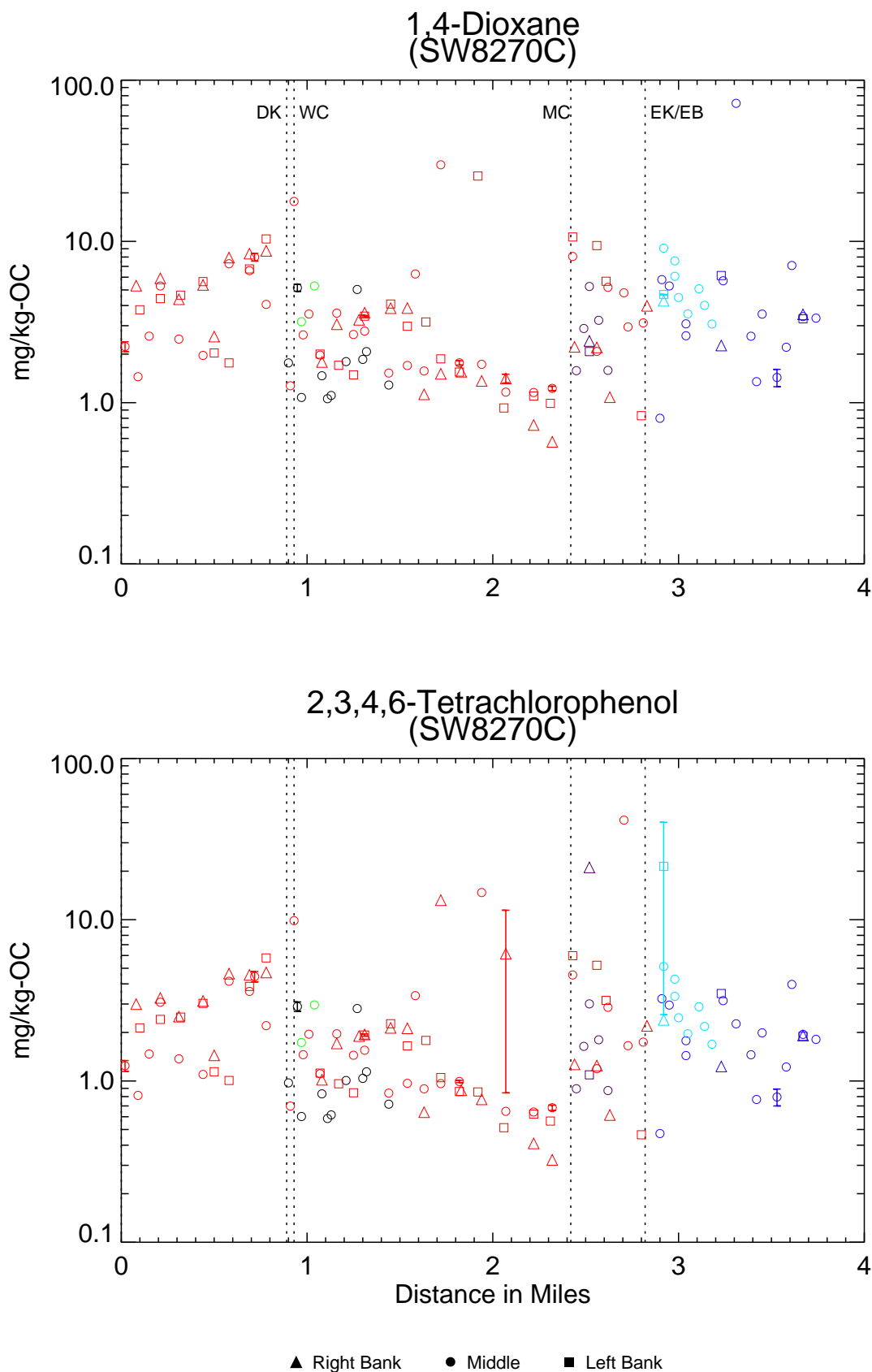
**Figure A4-332**

**Surface Sediment Chemical Data (OC Normal) - 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.*

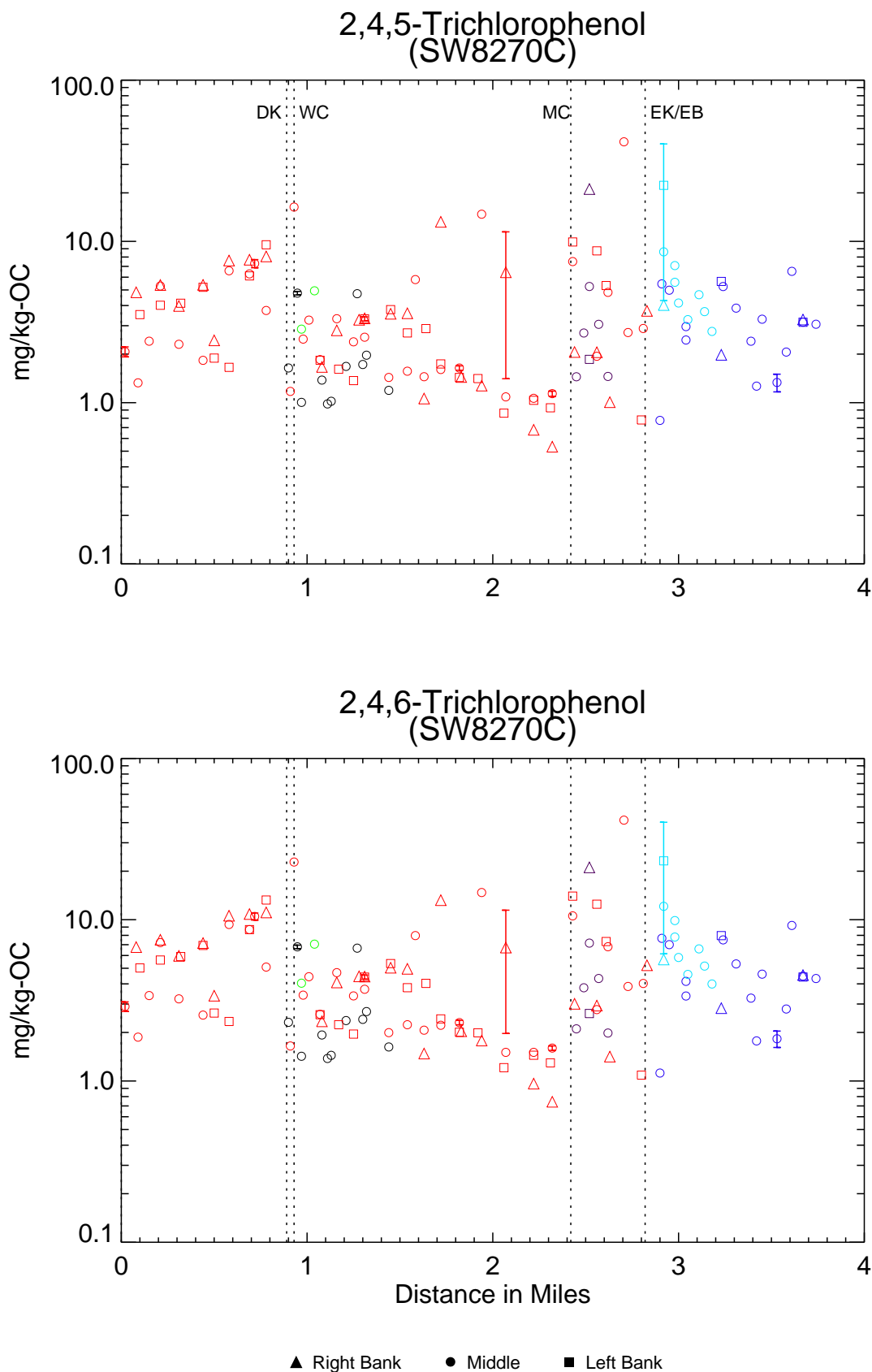
**Figure A4-333**

**Surface Sediment Chemical Data (OC Normal) - 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.*



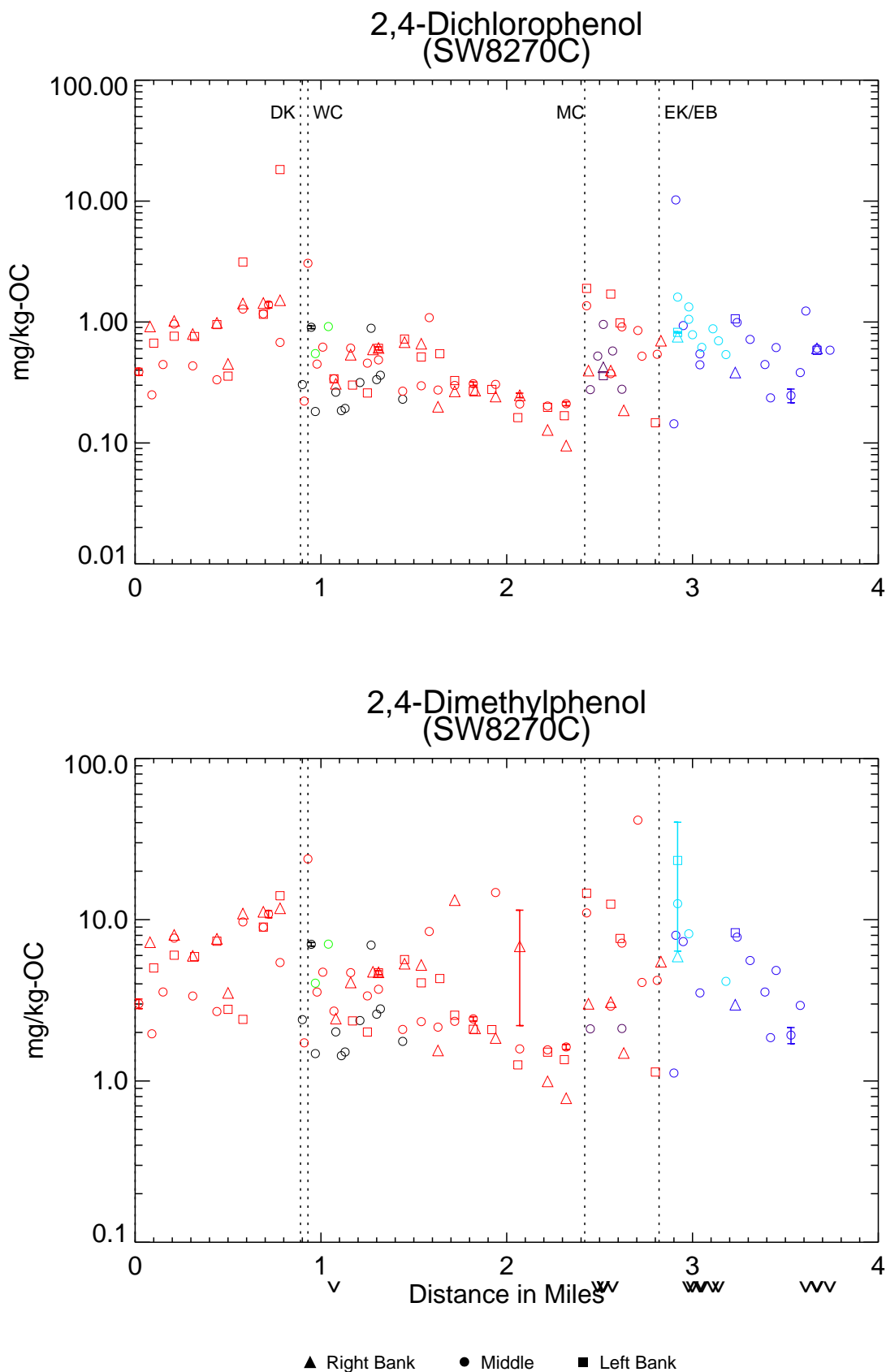
**Figure A4-334**

**Surface Sediment Chemical Data (OC Normal) - 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.*



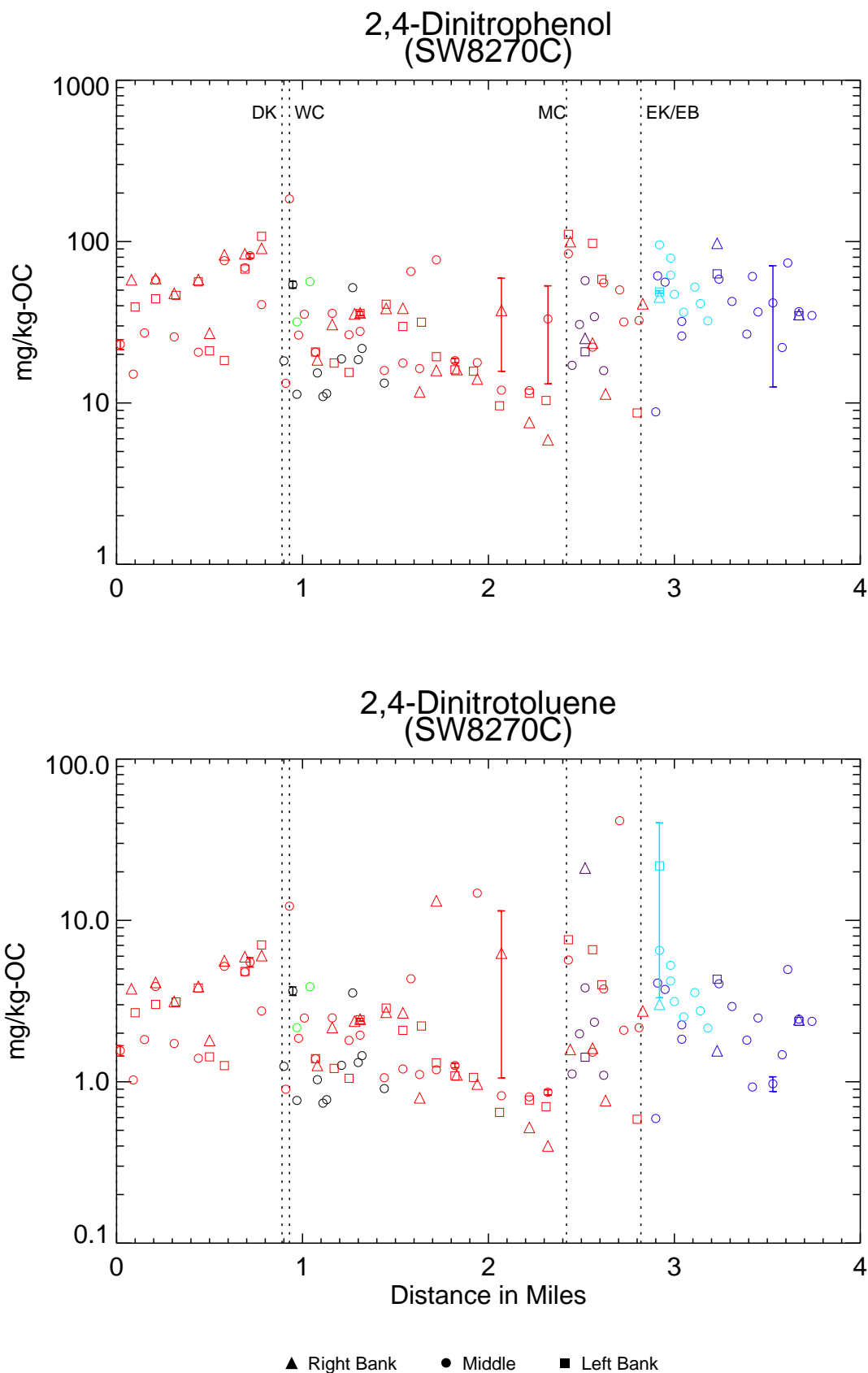


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-335**  
**Surface Sediment Chemical Data (OC Normal) - 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.*



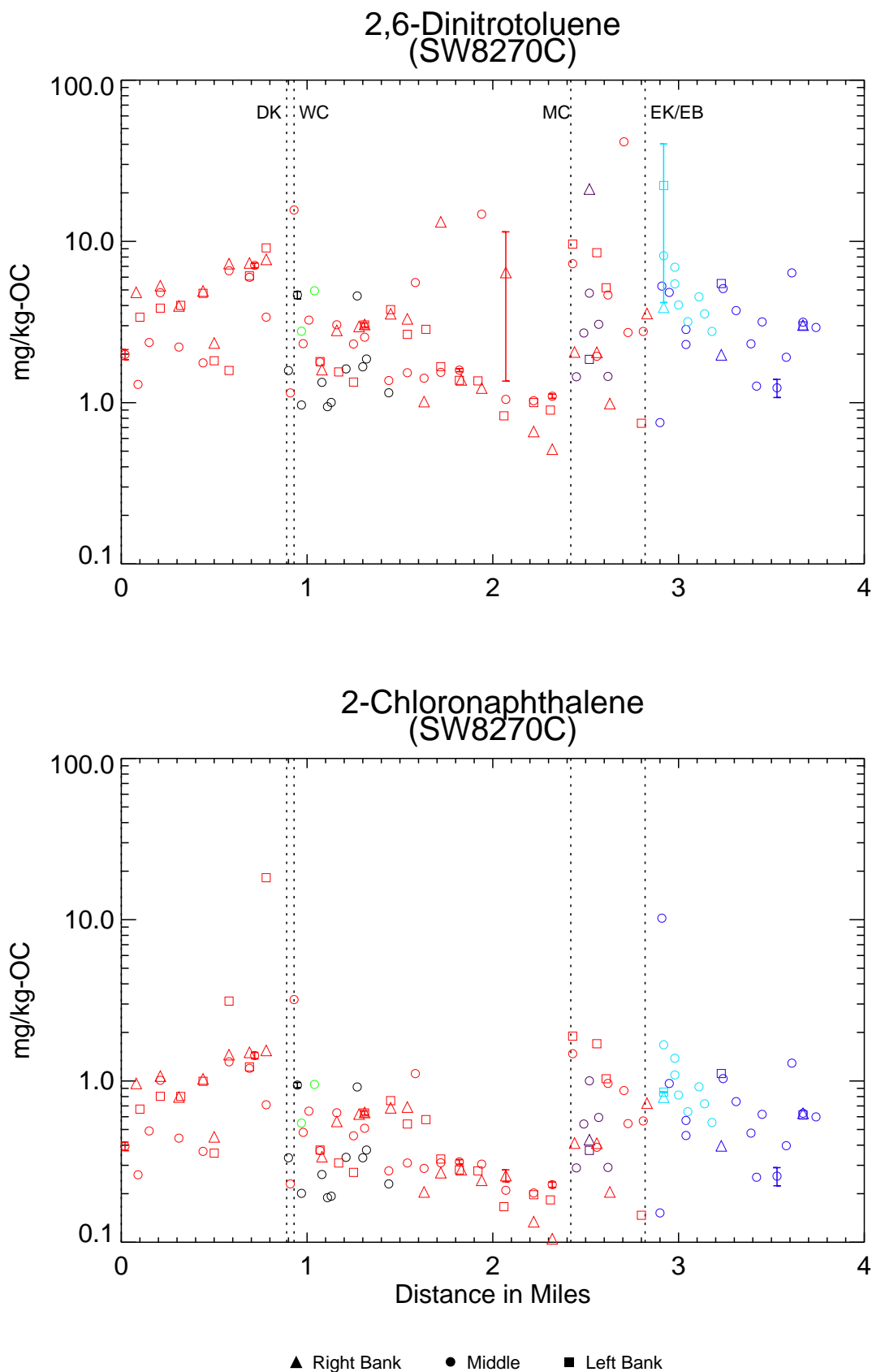
**Figure A4-336**

**Surface Sediment Chemical Data (OC Normal) - 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.*

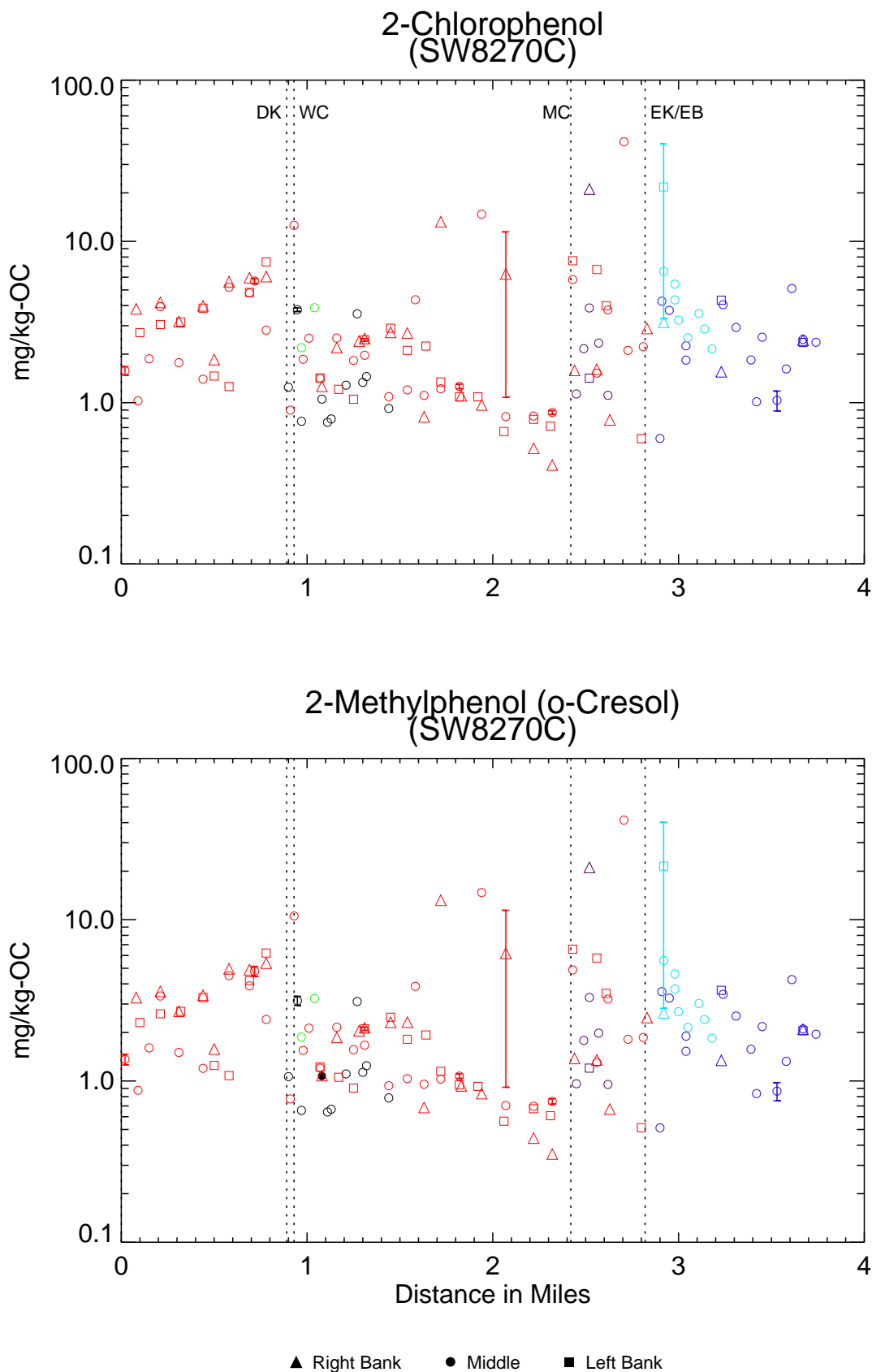
**Figure A4-337**

**Surface Sediment Chemical Data (OC Normal) - 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.*



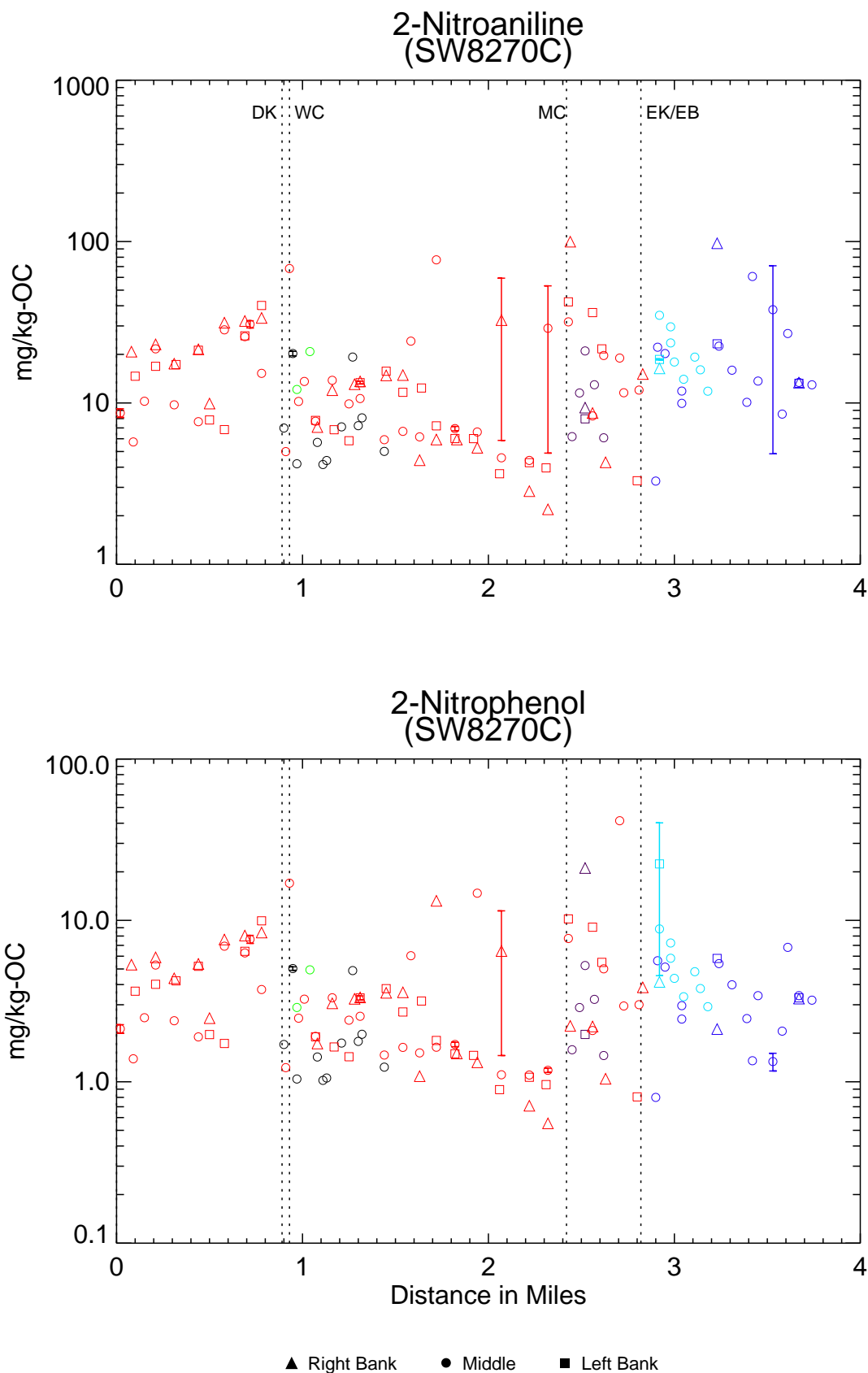
**Figure A4-338**

**Surface Sediment Chemical Data (OC Normal) - 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.*

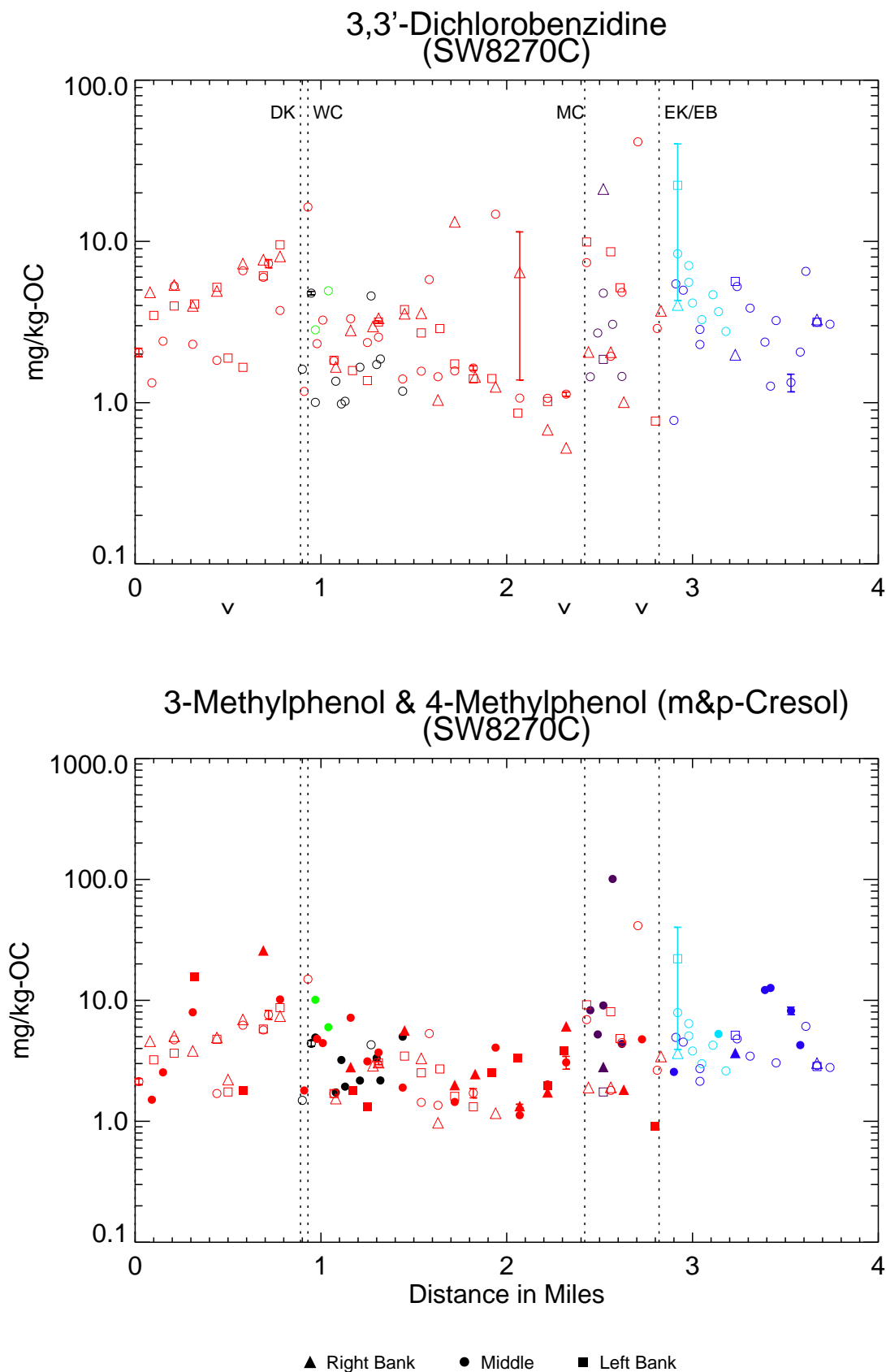
**Figure A4-339**

**Surface Sediment Chemical Data (OC Normal) - 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.*

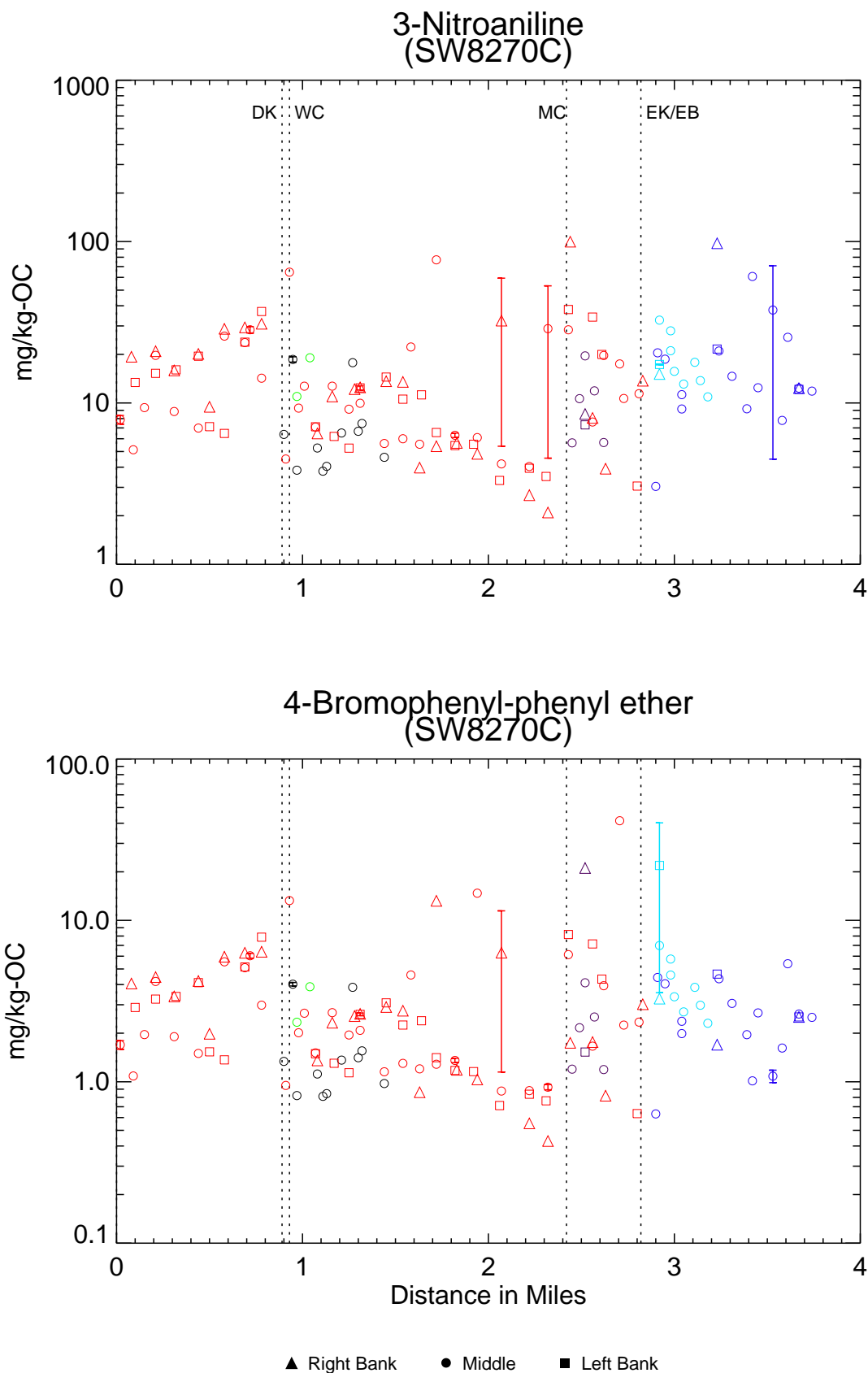
**Figure A4-340**

**Surface Sediment Chemical Data (OC Normal) - 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.*



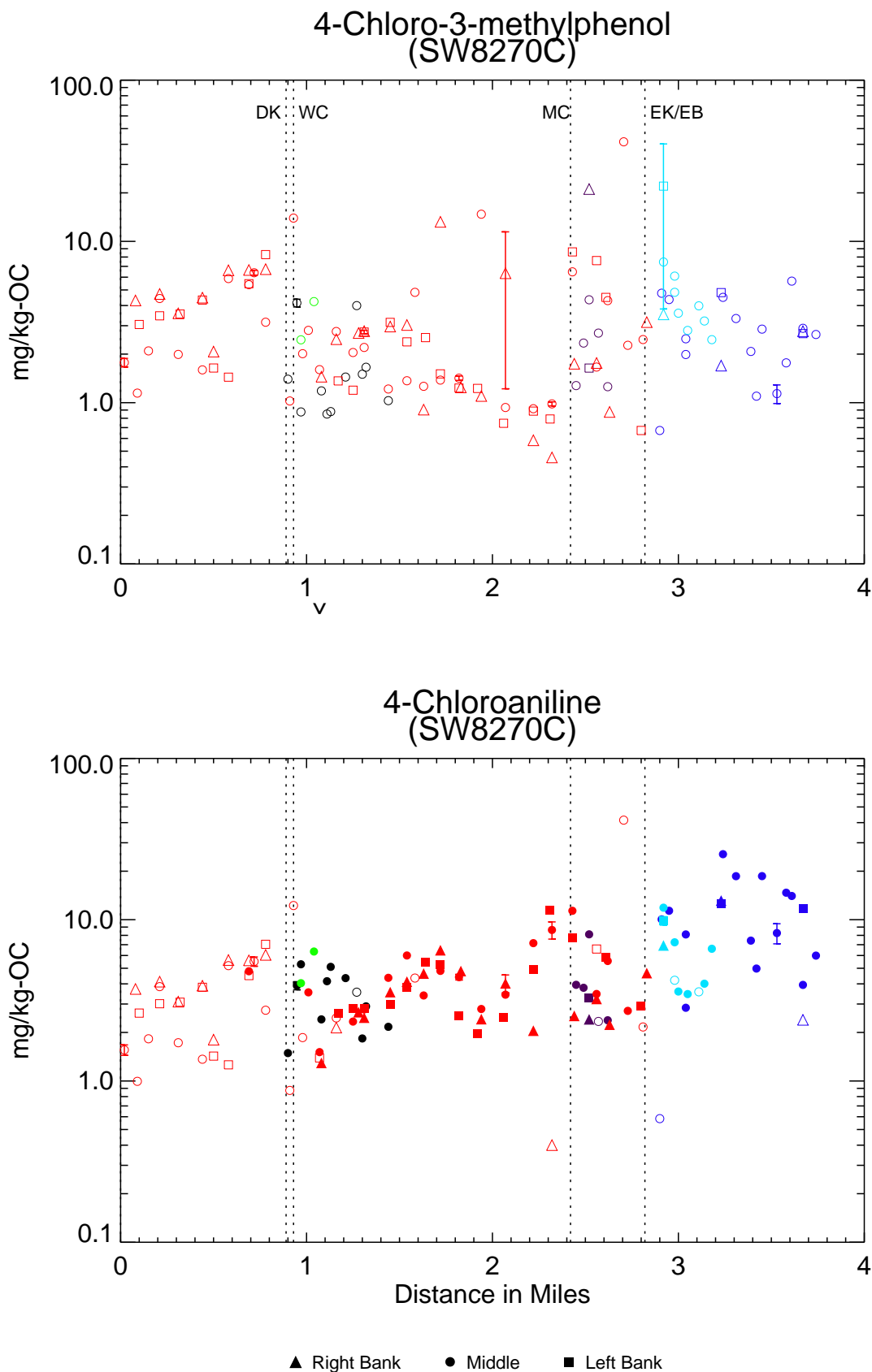
**Figure A4-341**

Surface Sediment Chemical Data (OC Normal) - 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.*

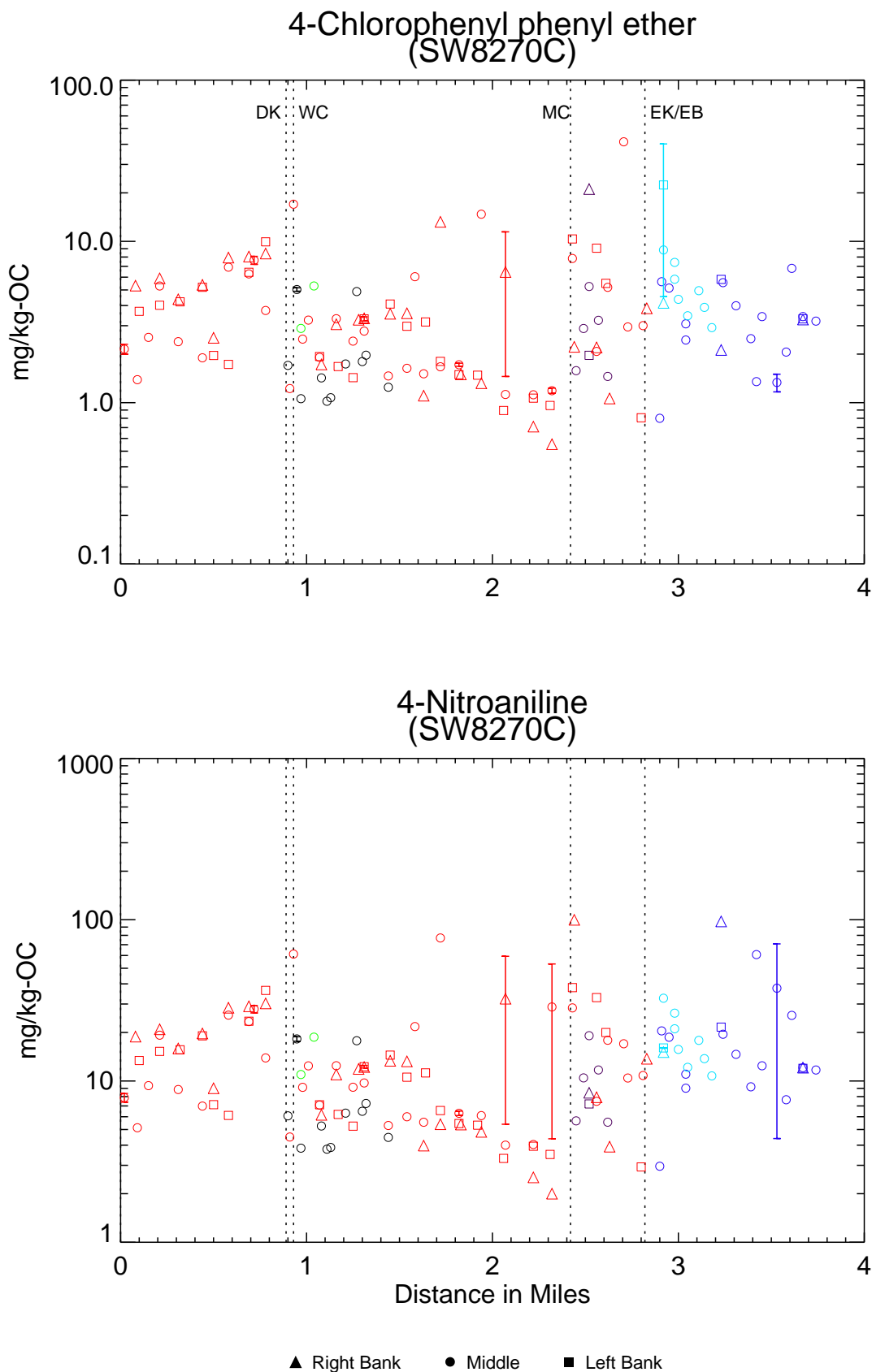
**Figure A4-342**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-343**

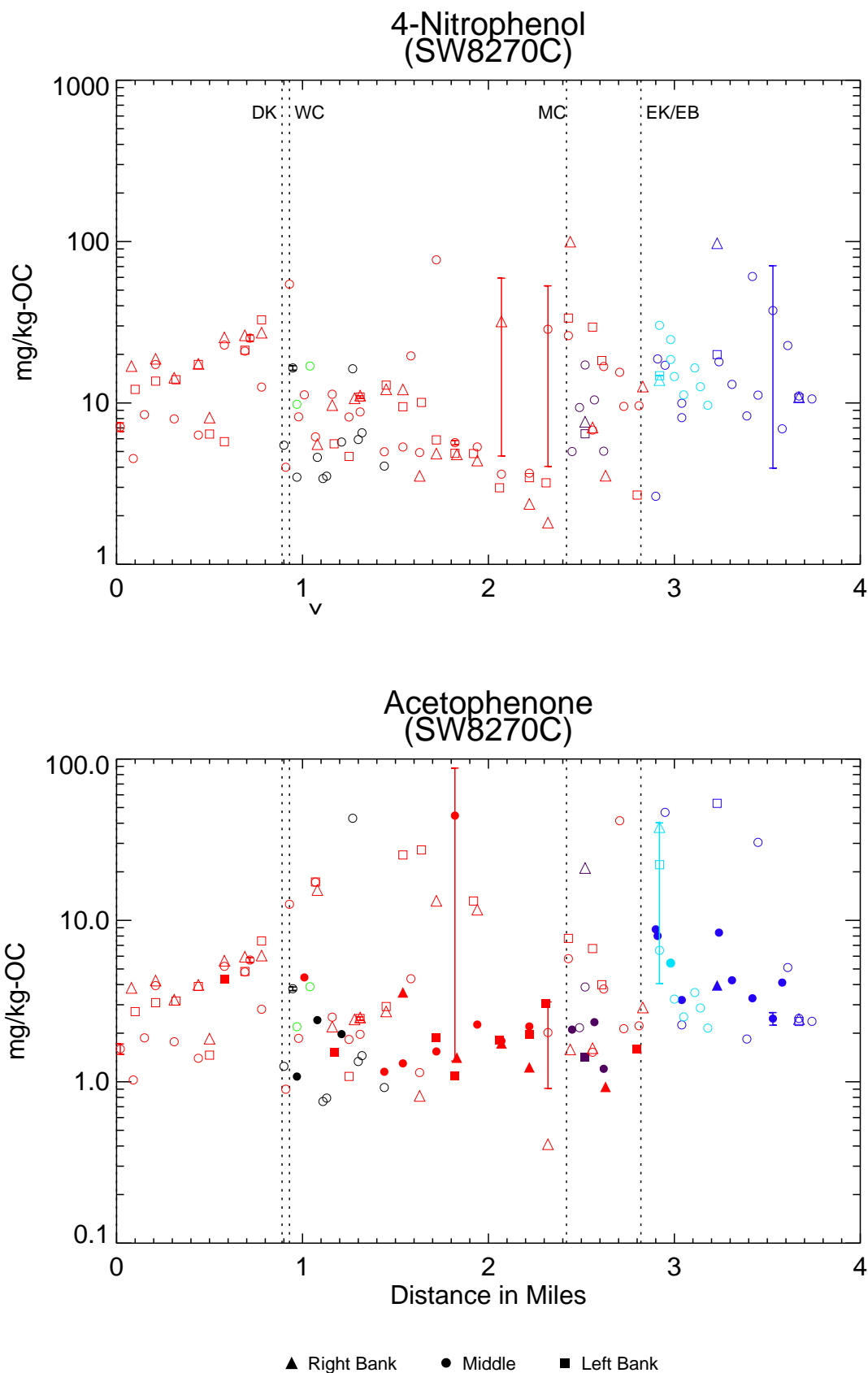
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





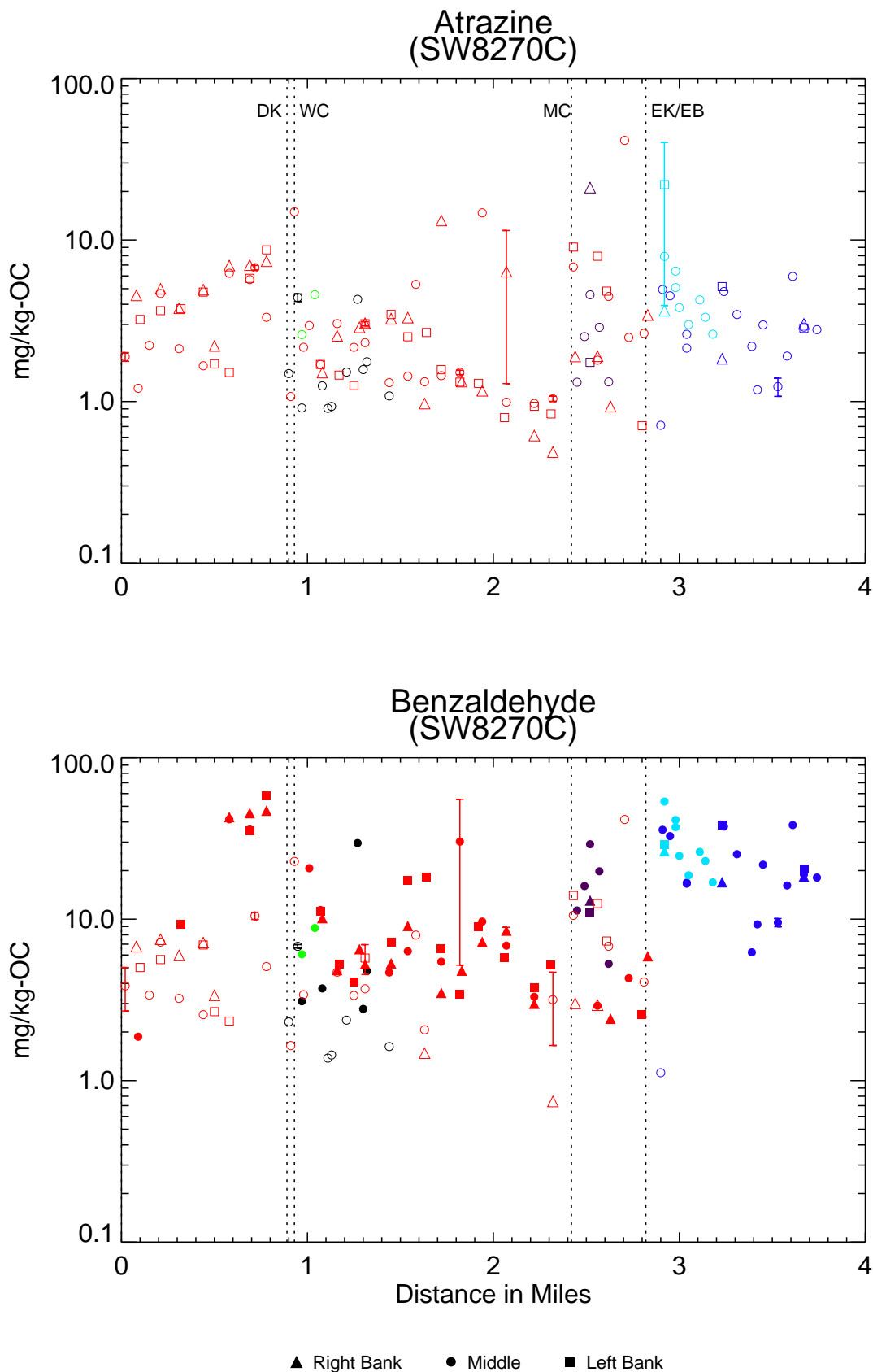
**Figure A4-344**

**Surface Sediment Chemical Data (OC Normal) - 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.*

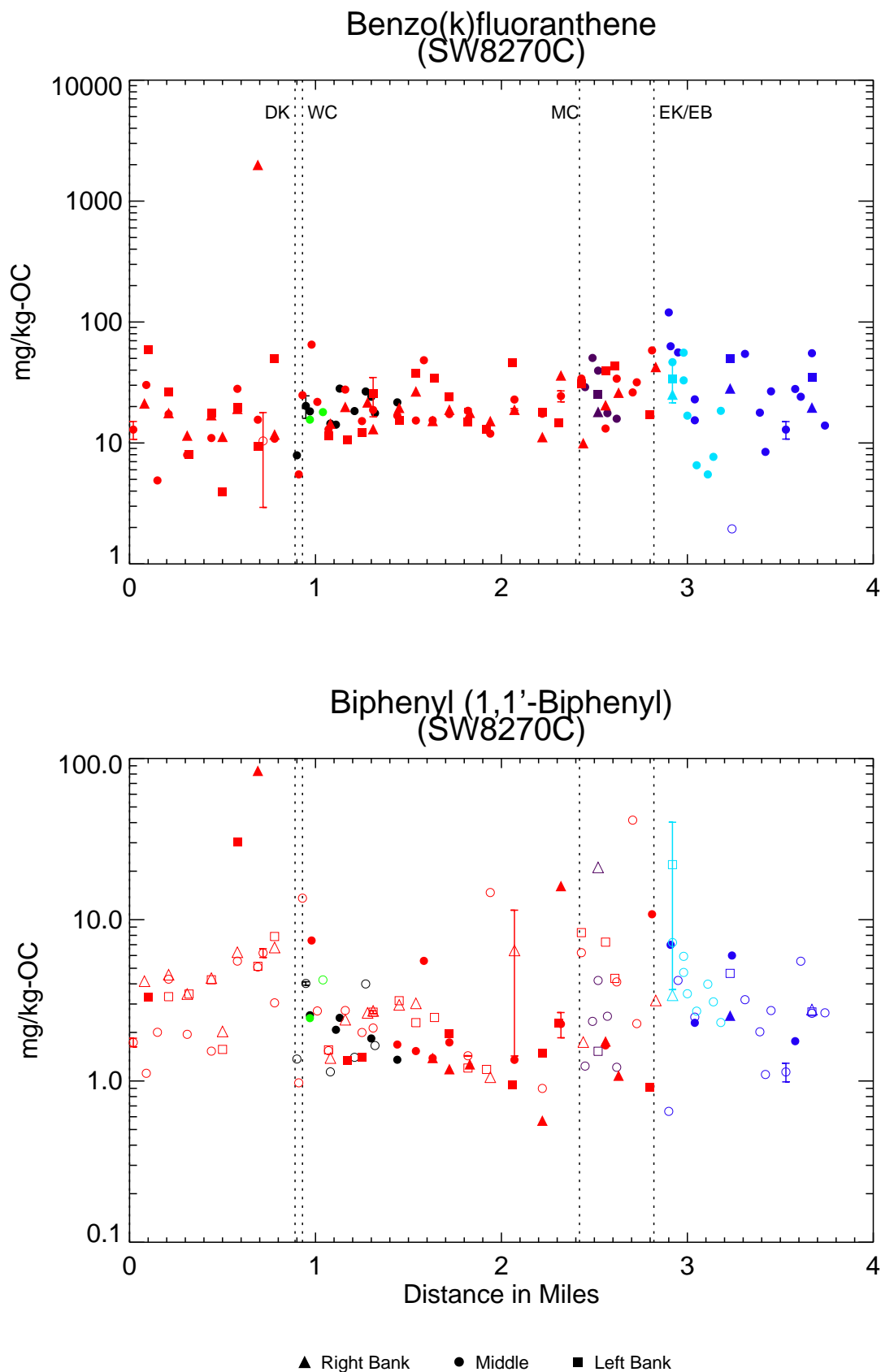
**Figure A4-345**

**Surface Sediment Chemical Data (OC Normal) - 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.*

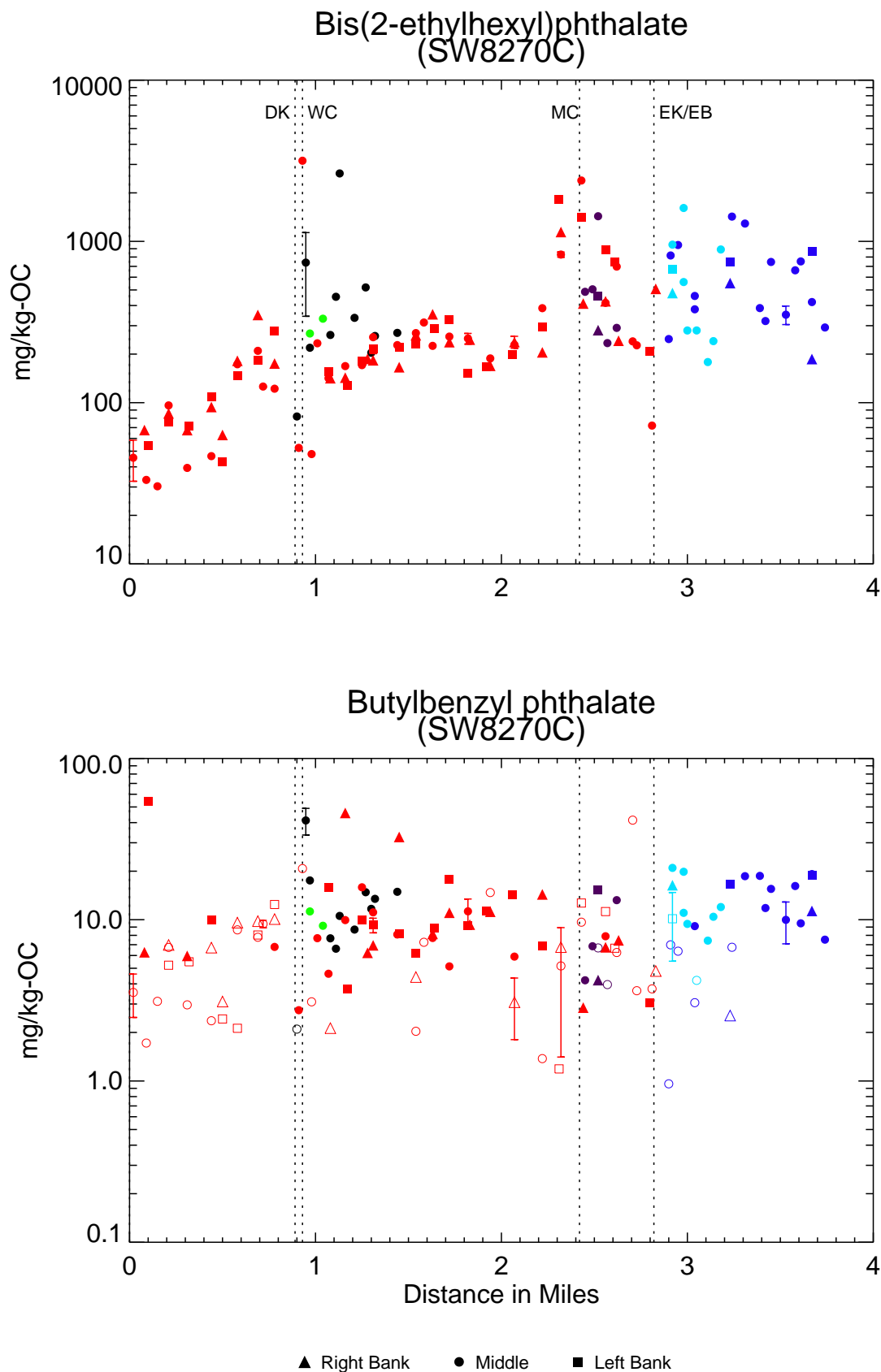
**Figure A4-346**

**Surface Sediment Chemical Data (OC Normal) - 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.*



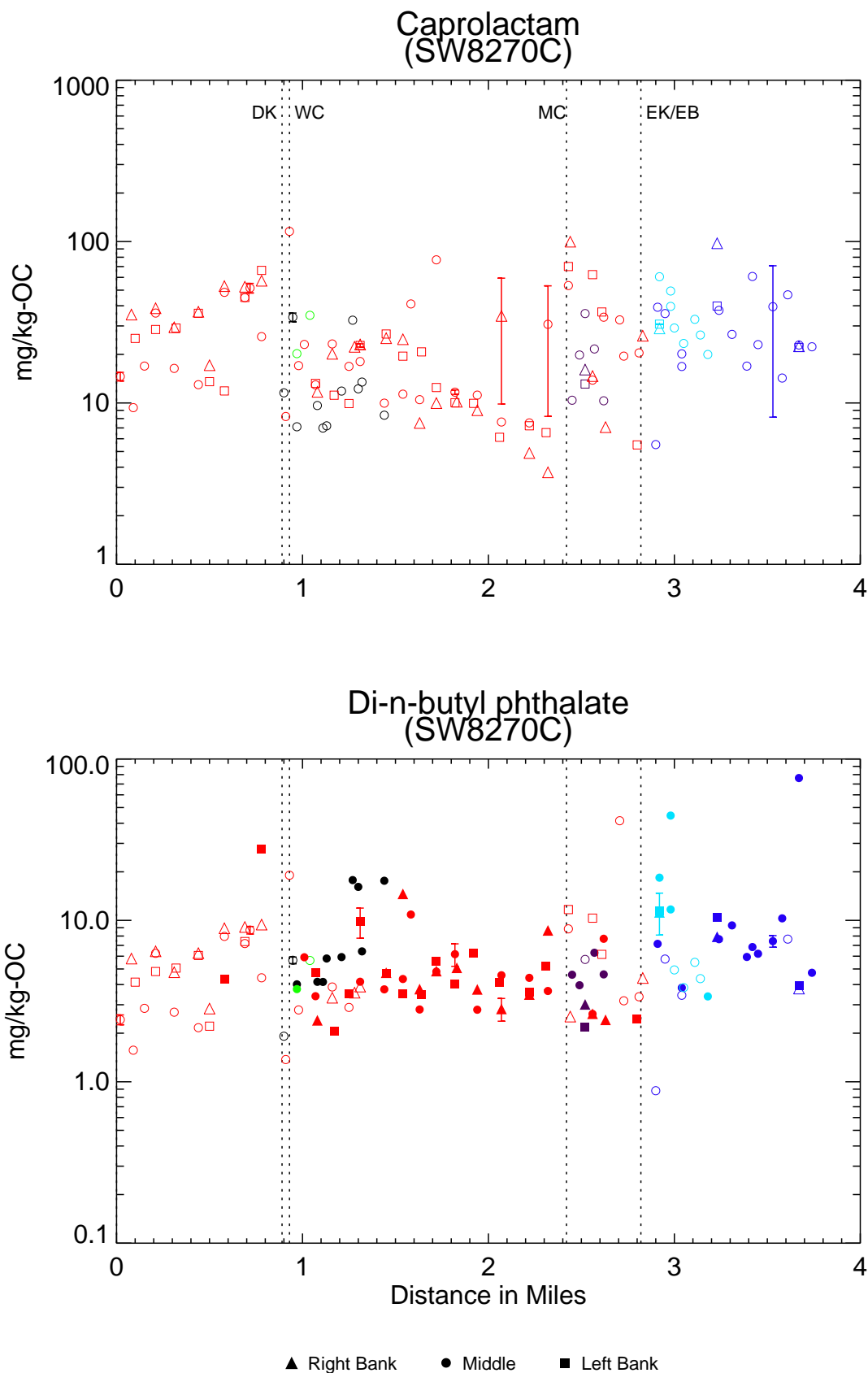
**Figure A4-347**

**Surface Sediment Chemical Data (OC Normal) - 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.*



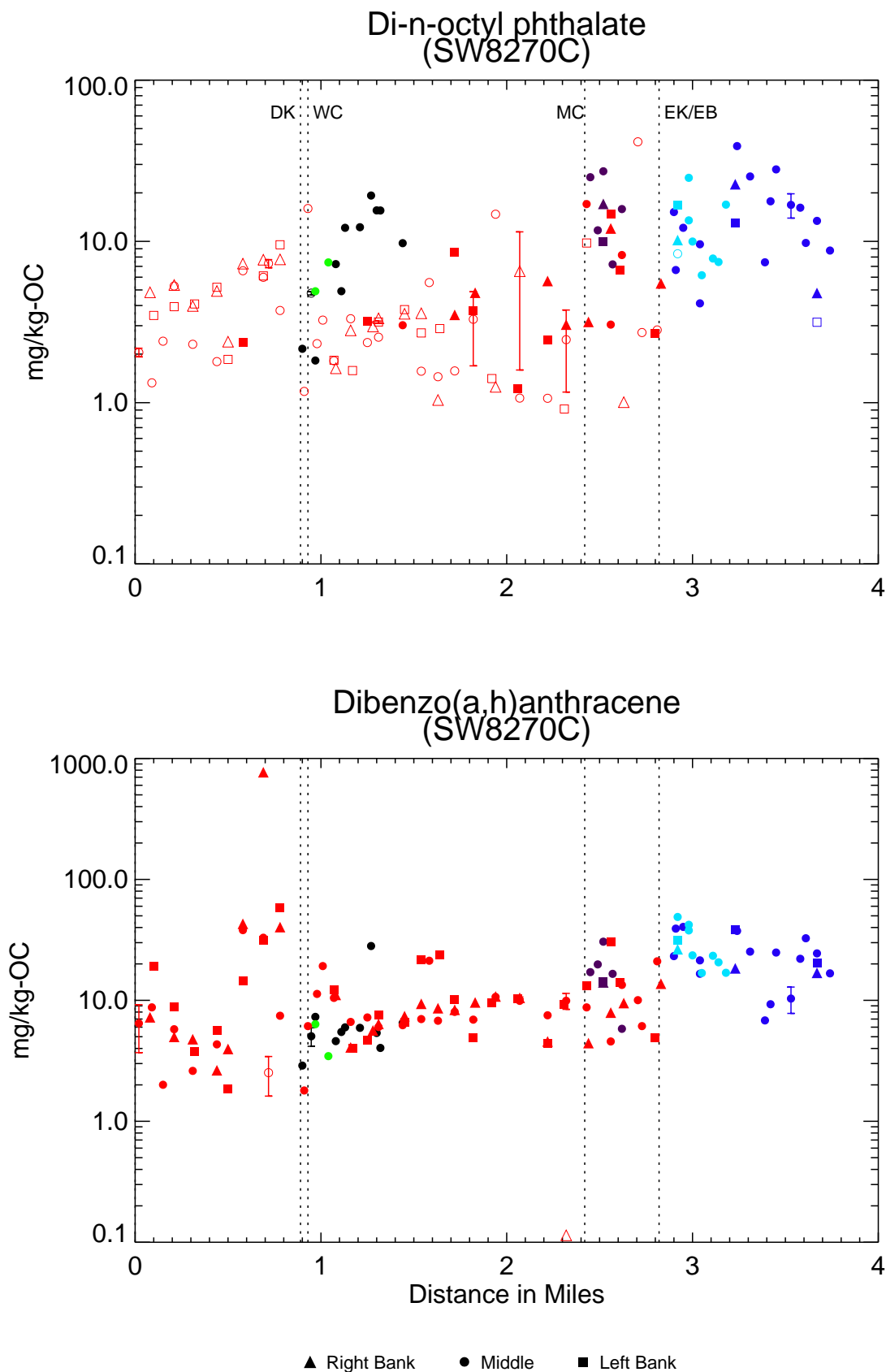
**Figure A4-348**

**Surface Sediment Chemical Data (OC Normal) - 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.*



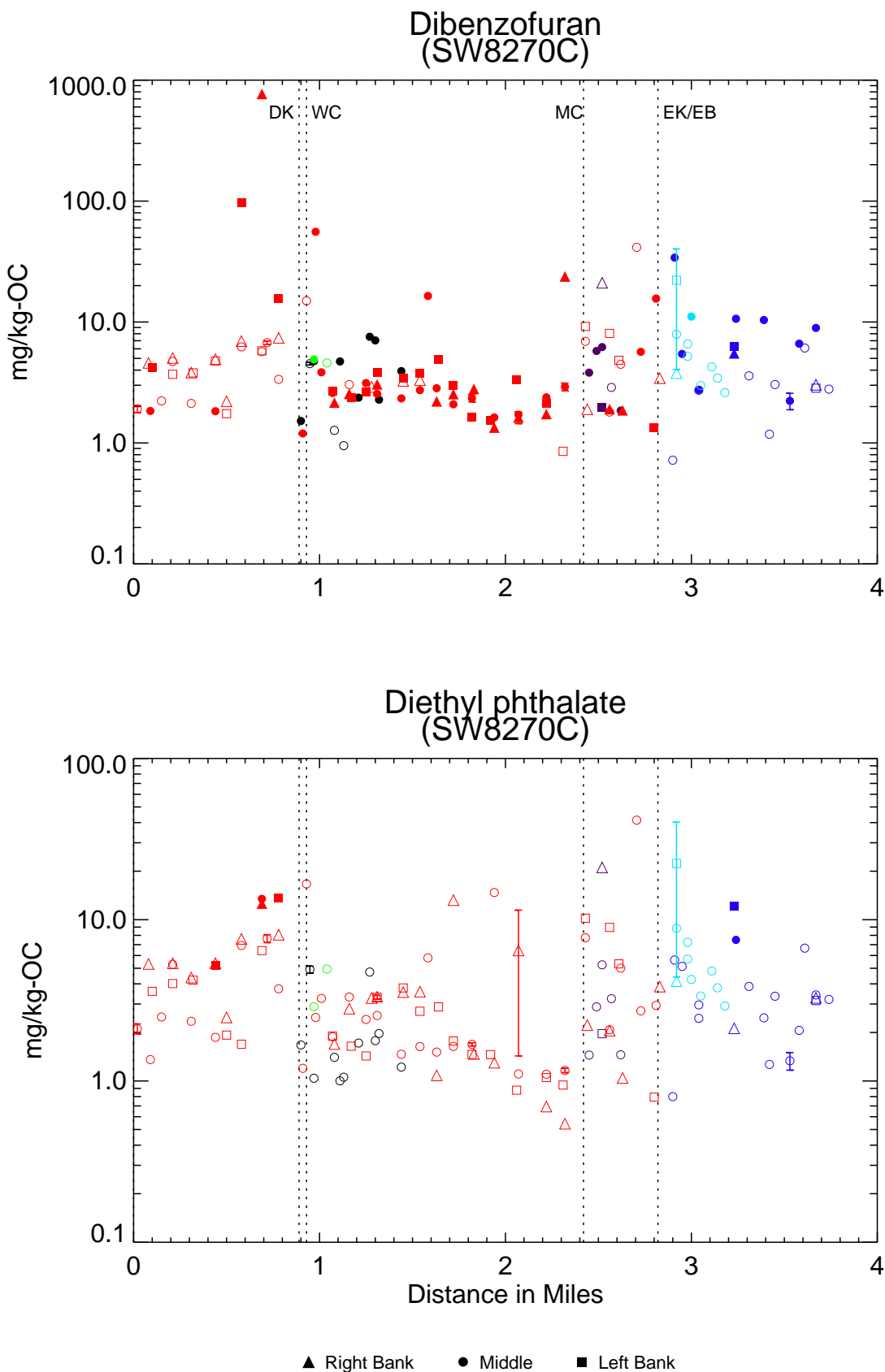
**Figure A4-349**

Surface Sediment Chemical Data (OC Normal) - 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.*



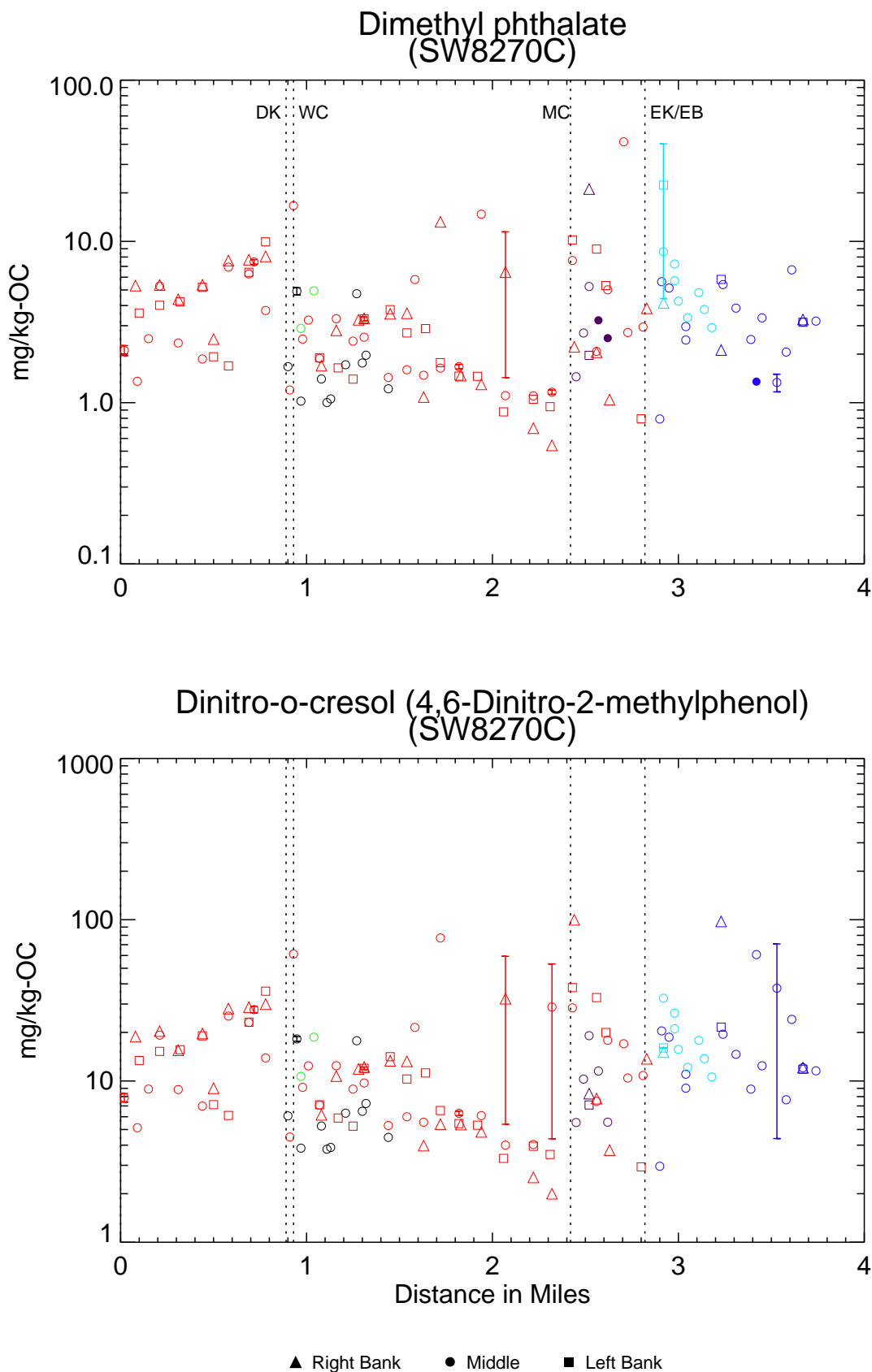
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- 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 A4-350**  
**Surface Sediment Chemical Data (OC Normal) - 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 A4-351**

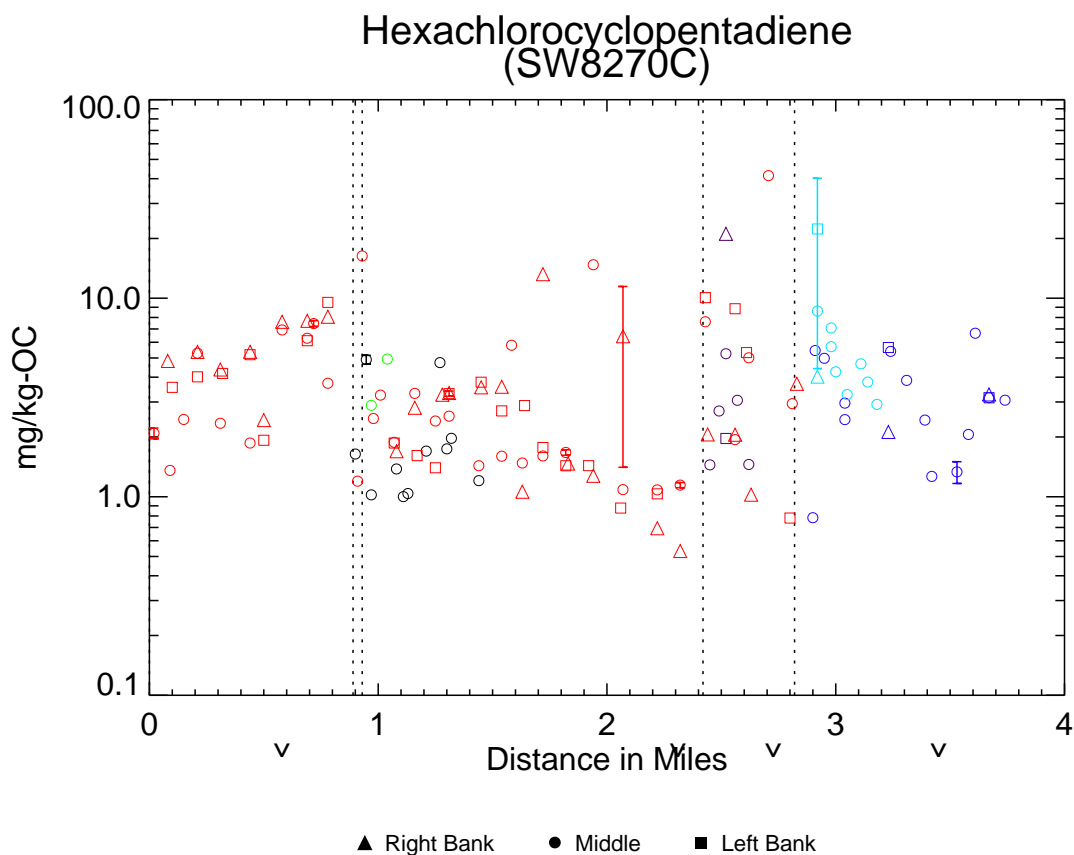
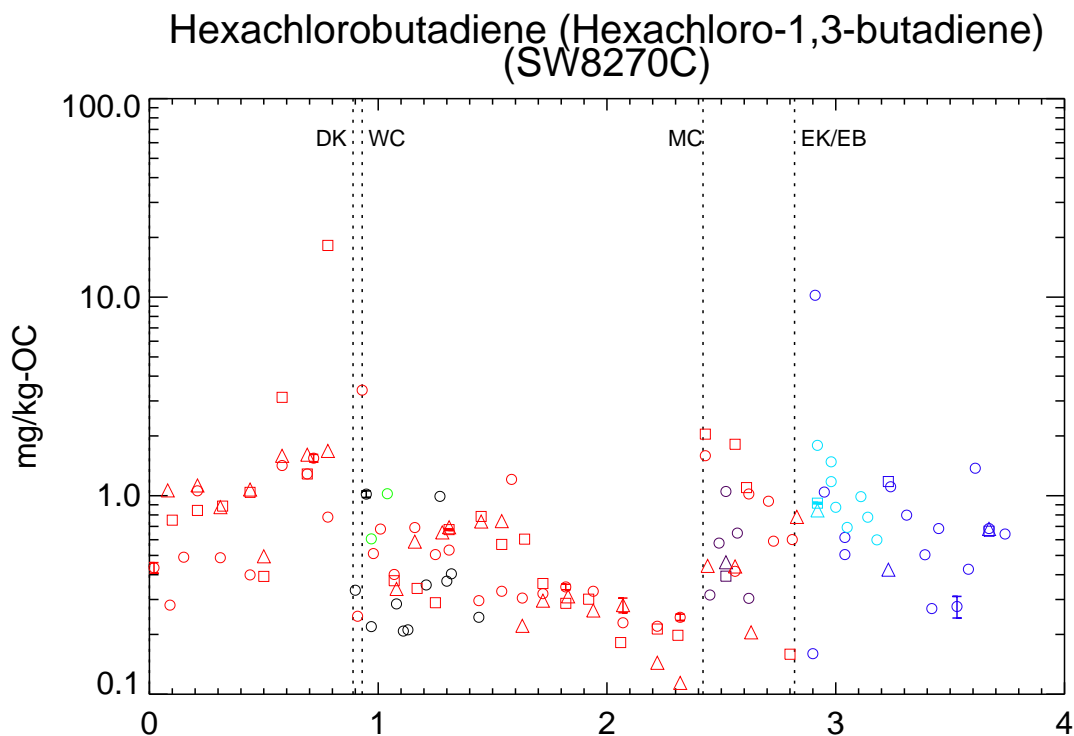
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





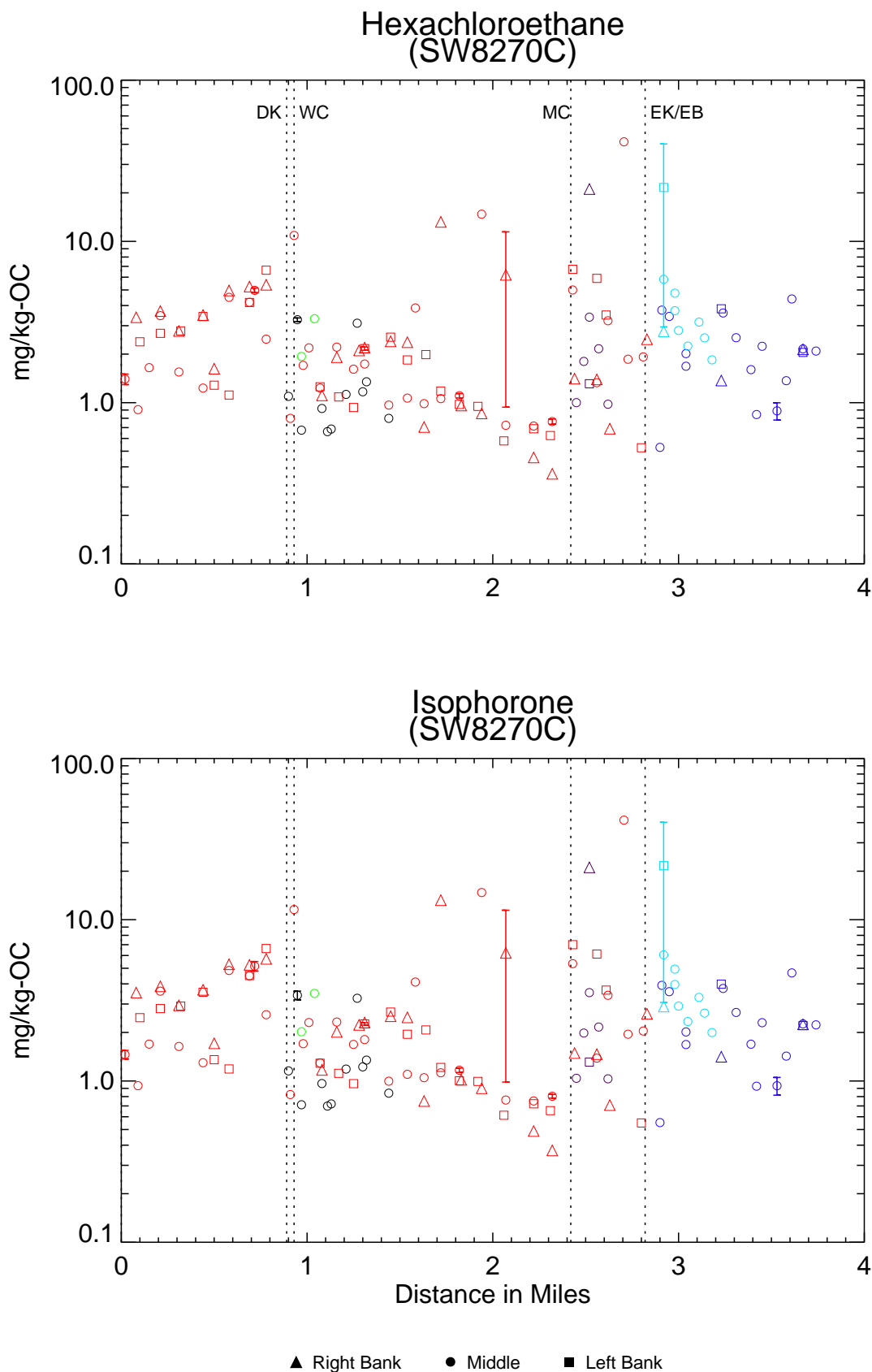
**Figure A4-352**

**Surface Sediment Chemical Data (OC Normal) - 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.*

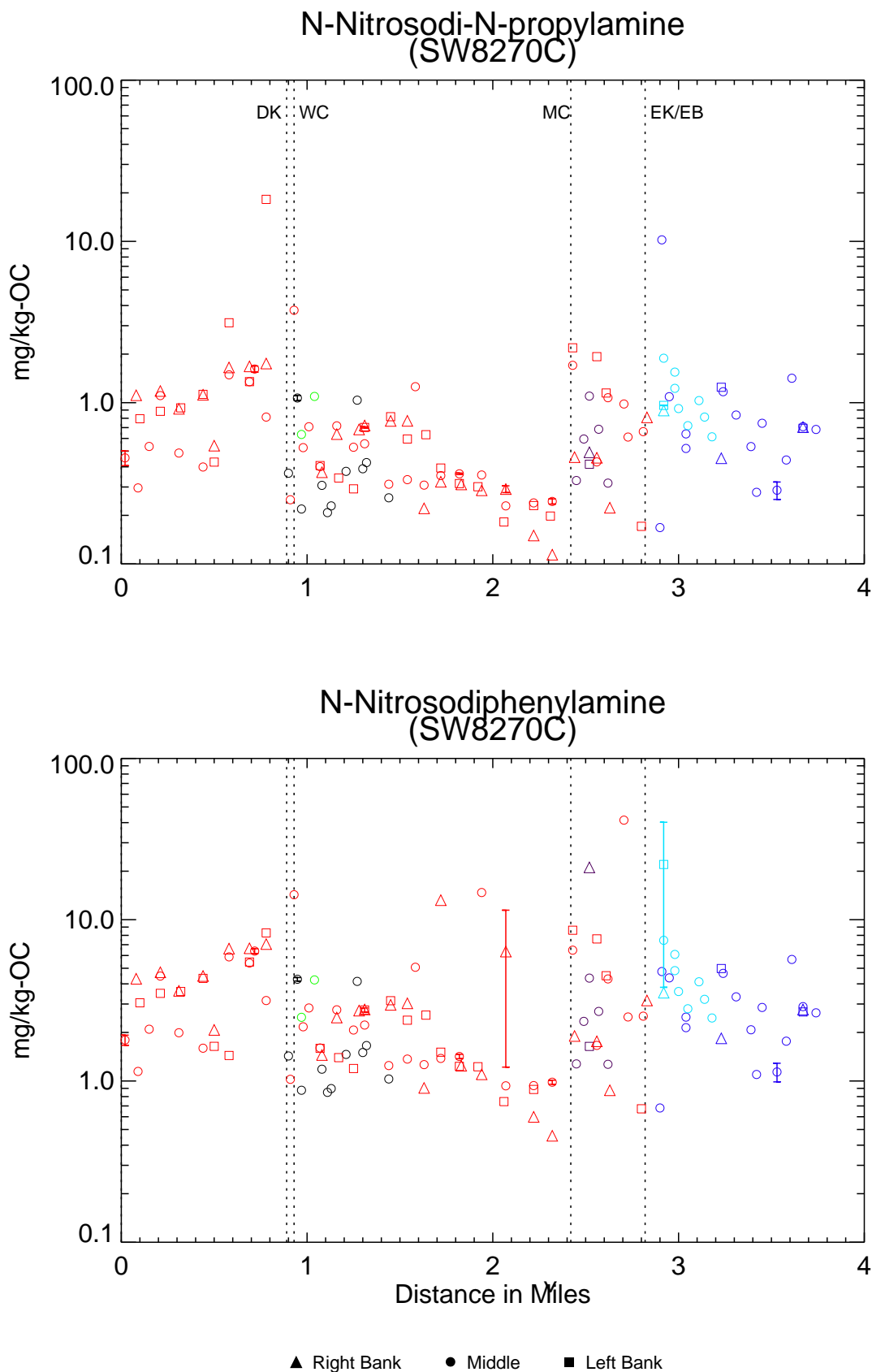




- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-353**  
**Surface Sediment Chemical Data (OC Normal) - 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.*

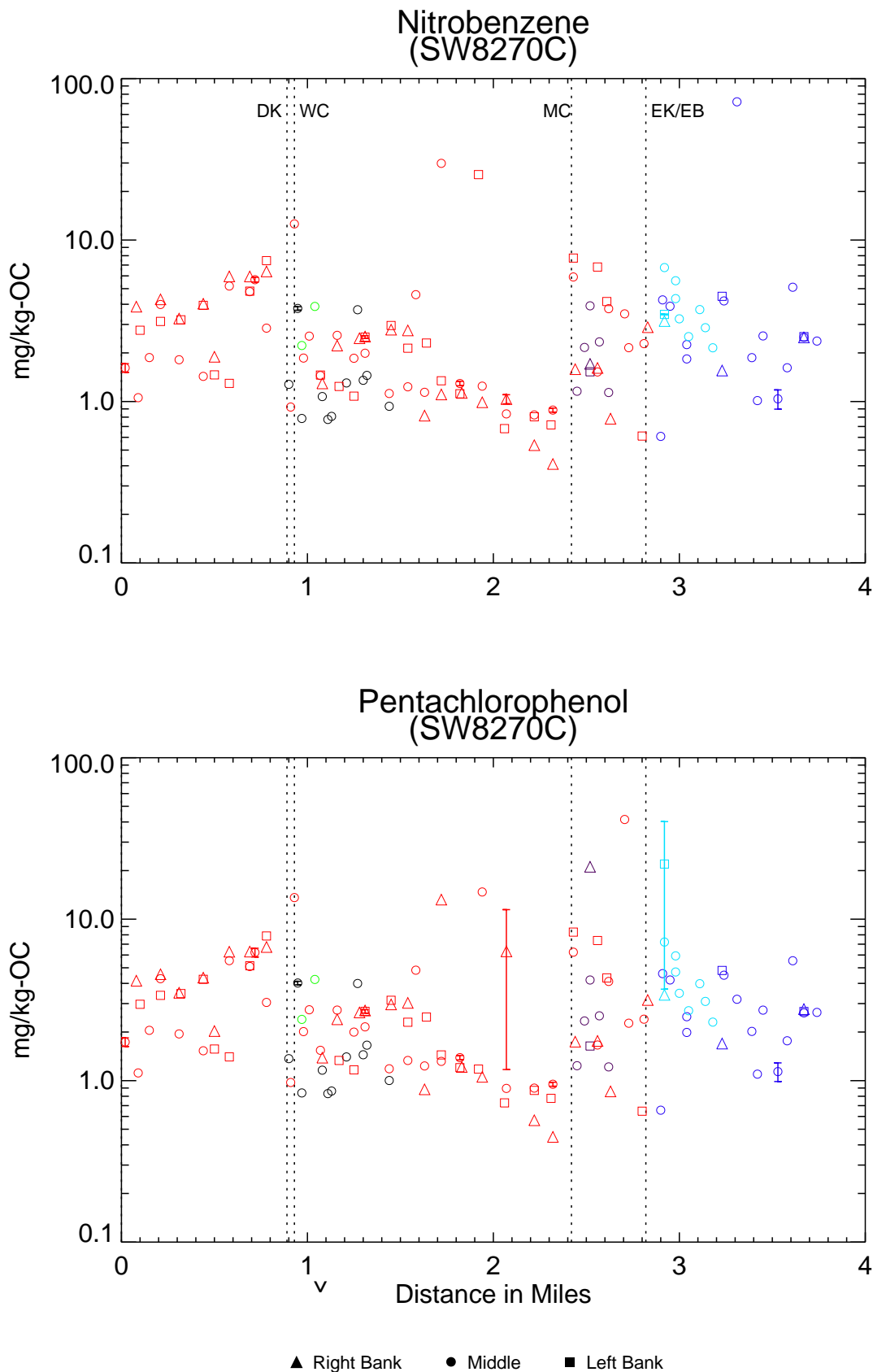
**Figure A4-354**

**Surface Sediment Chemical Data (OC Normal) - 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.*

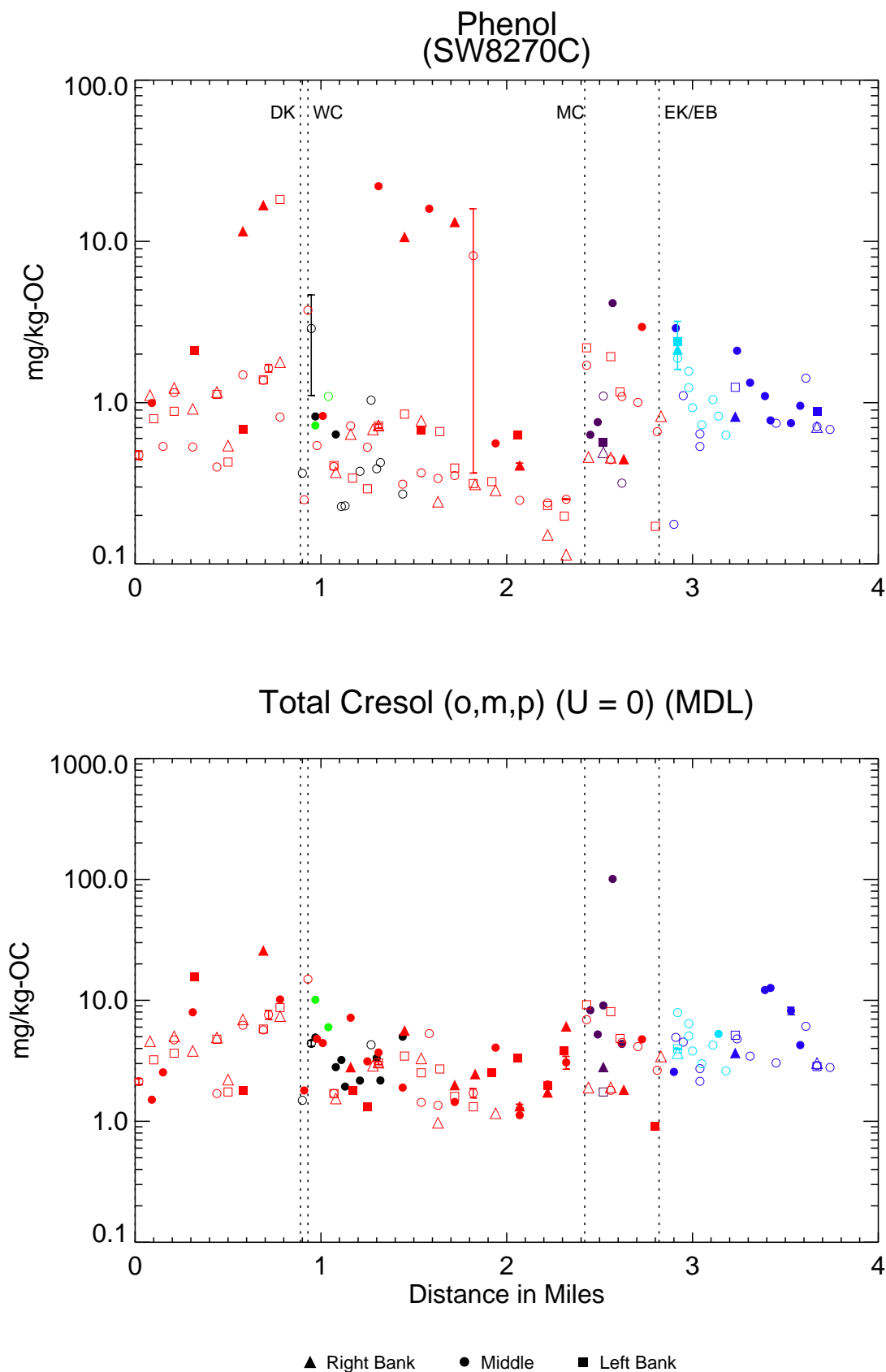
**Figure A4-355**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-356**

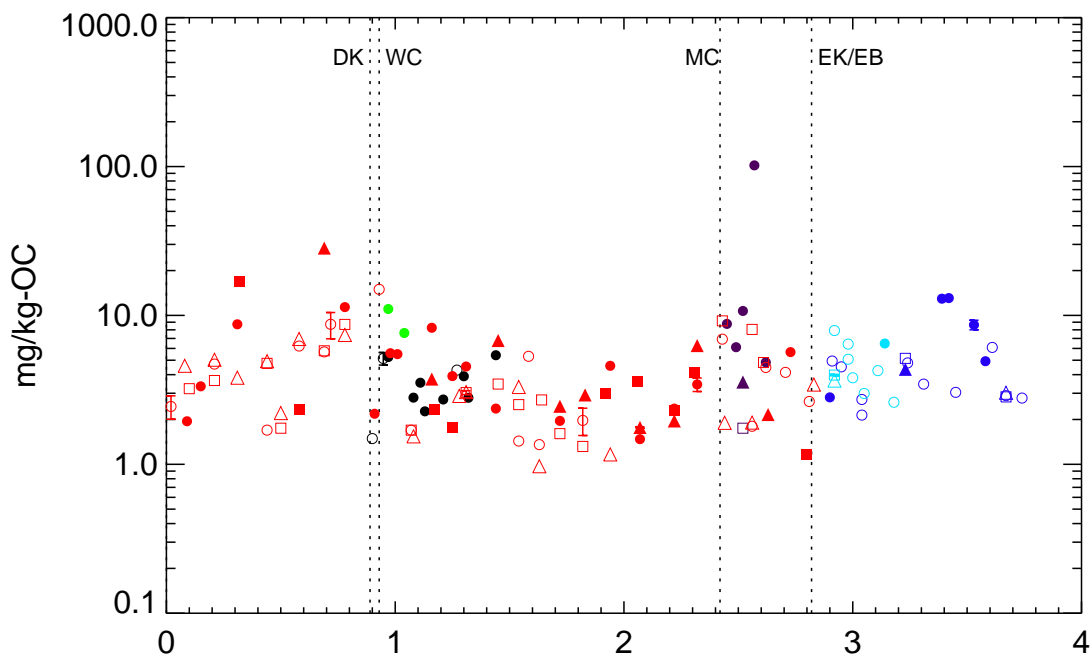
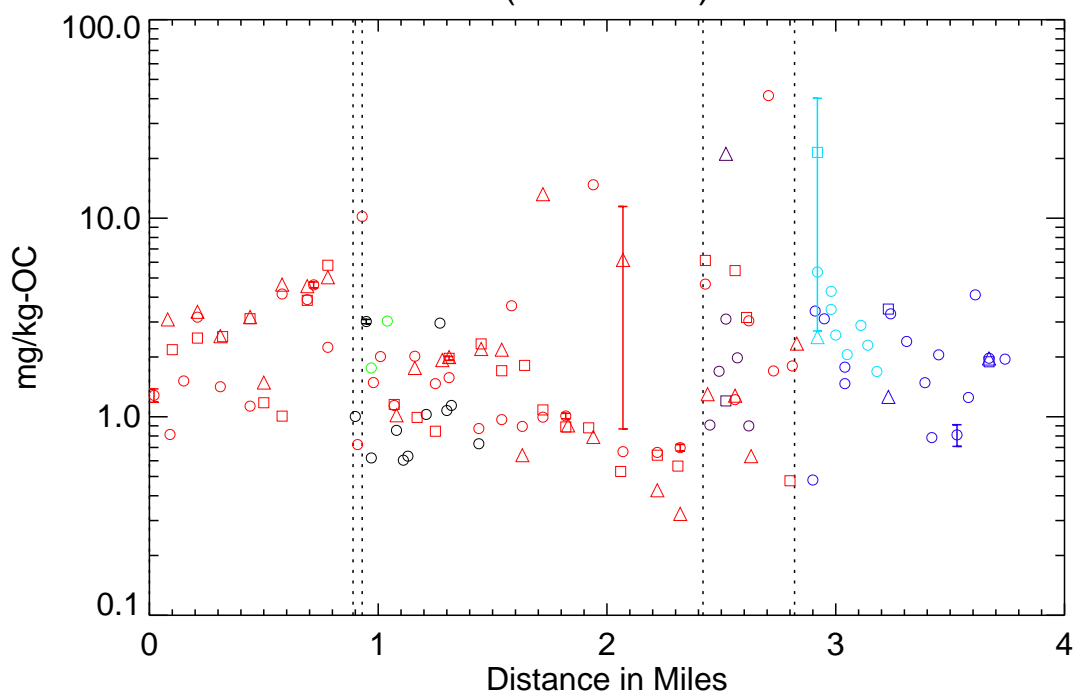
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

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

bis(2-Chloroethoxy)methane  
(SW8270C)

▲ Right Bank    ● Middle    ■ Left Bank

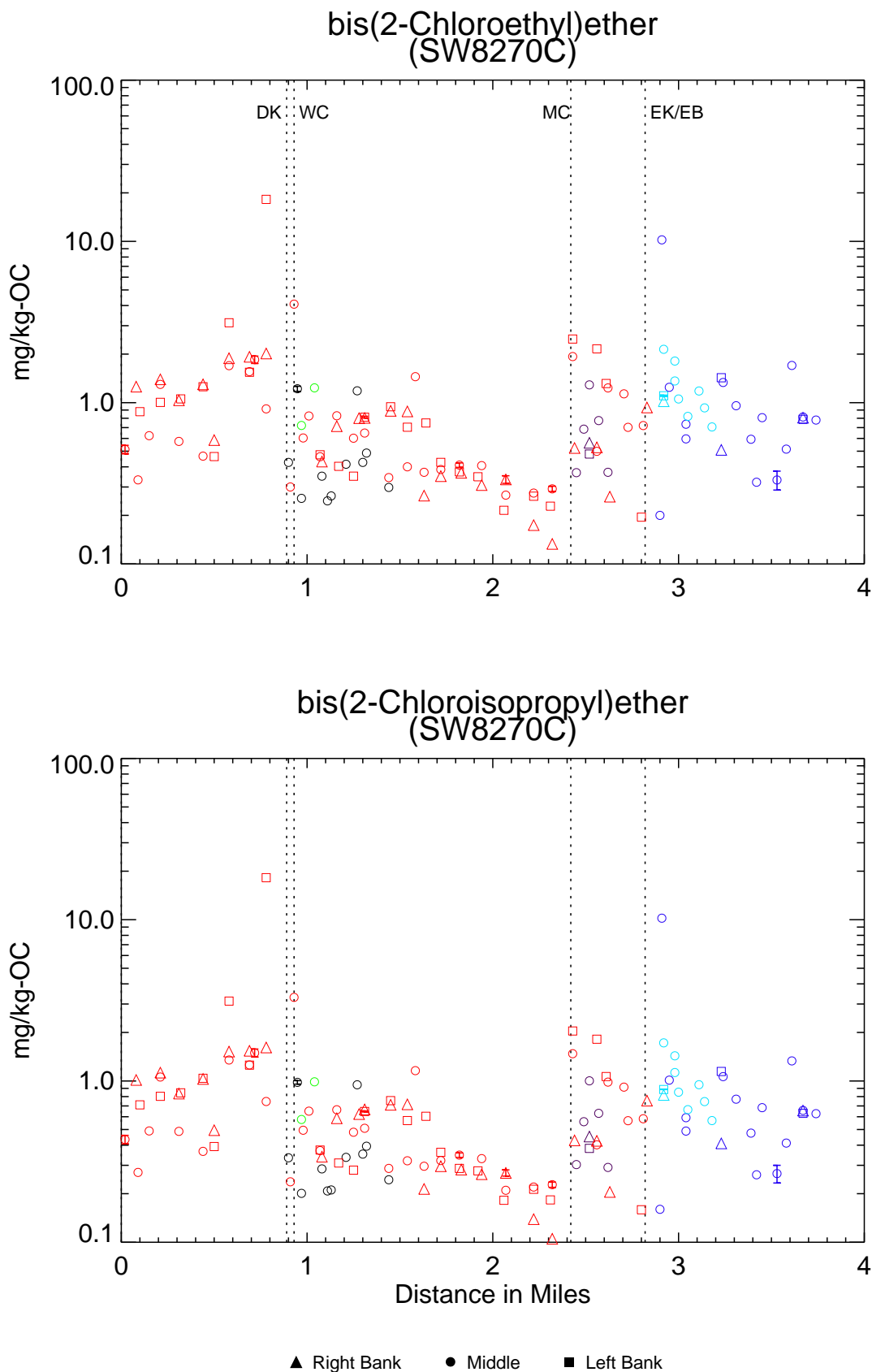
**Figure A4-357**

Surface Sediment Chemical Data (OC Normal) - 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)

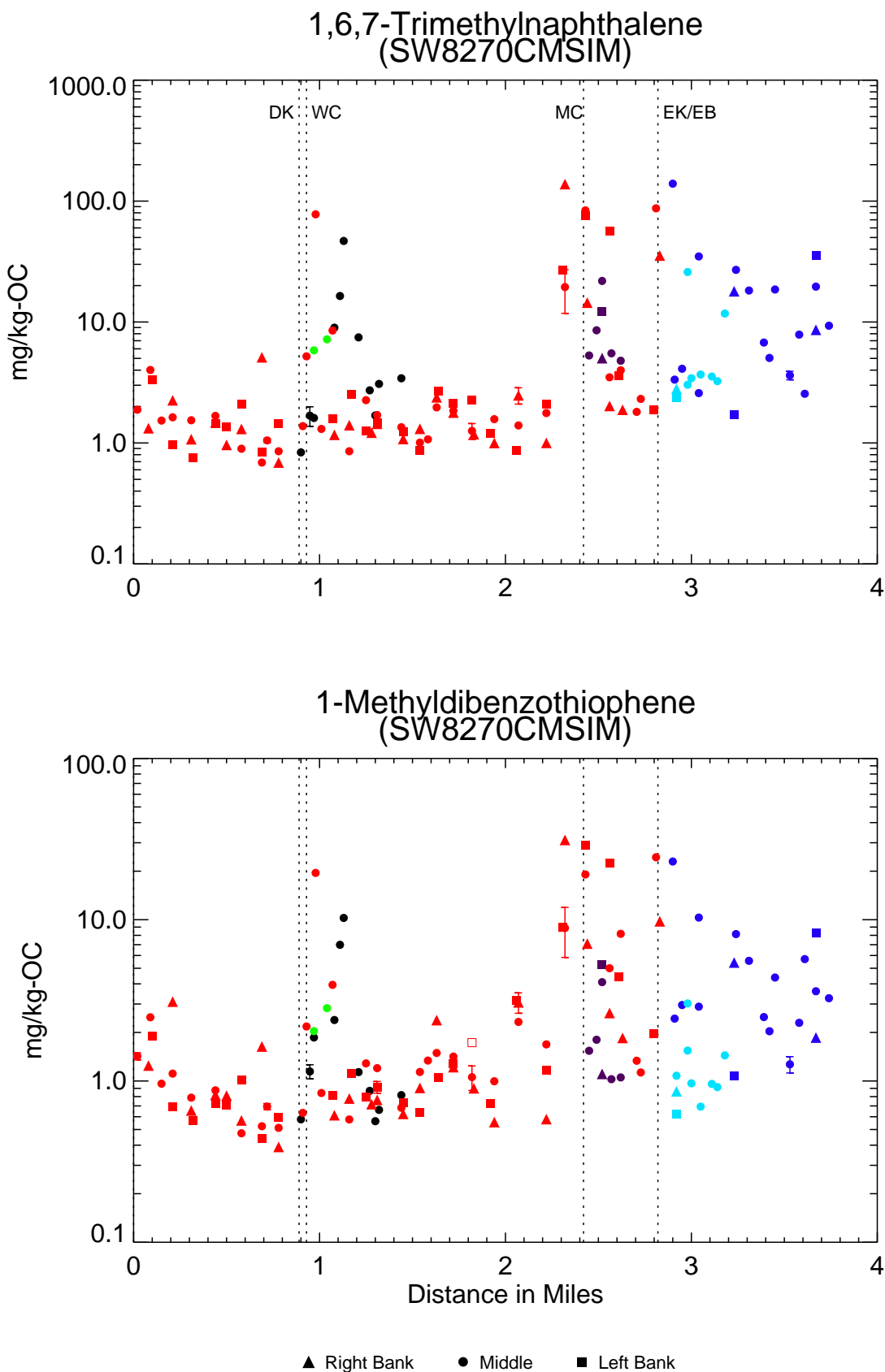
**Figure A4-358**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-359**

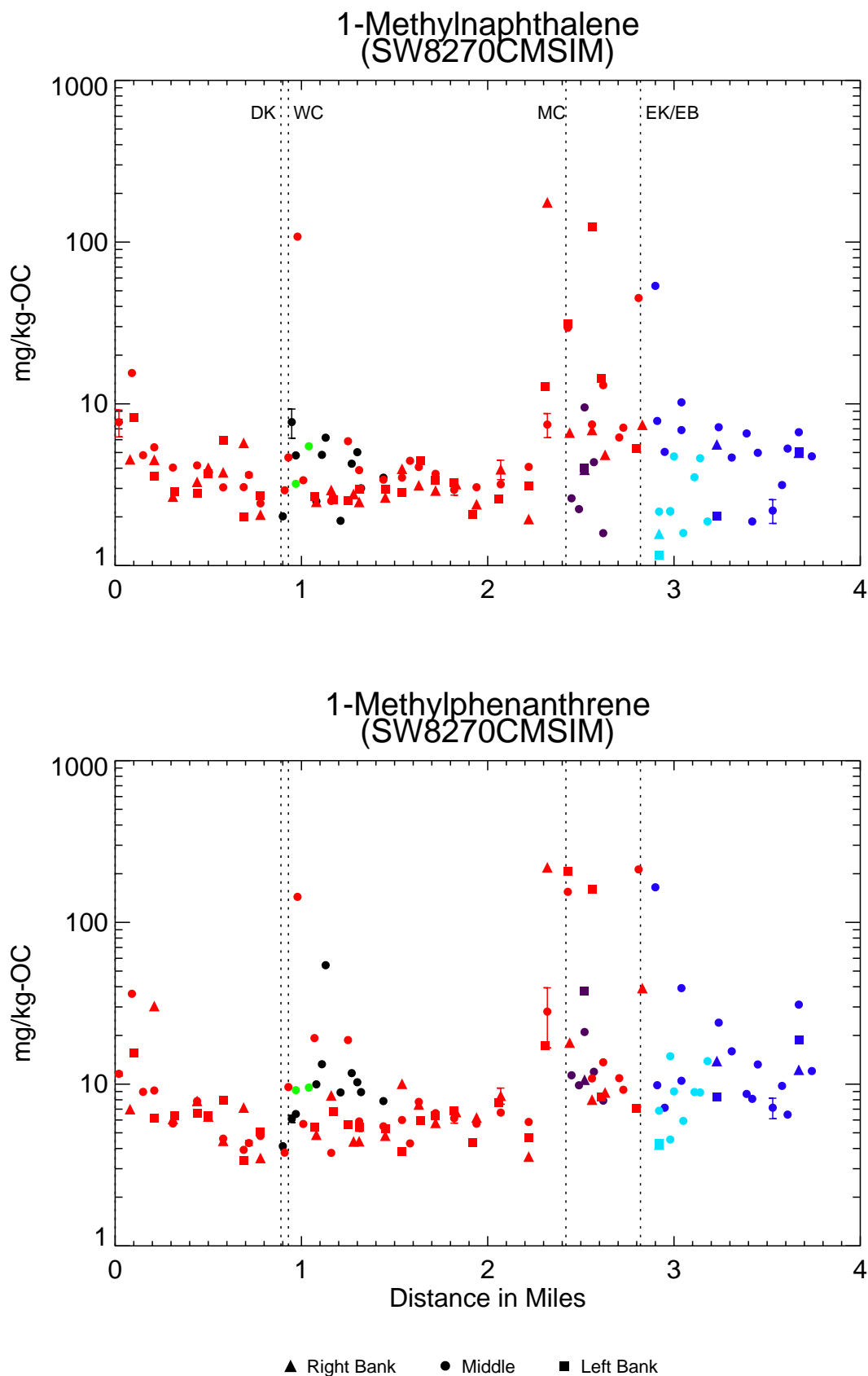
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





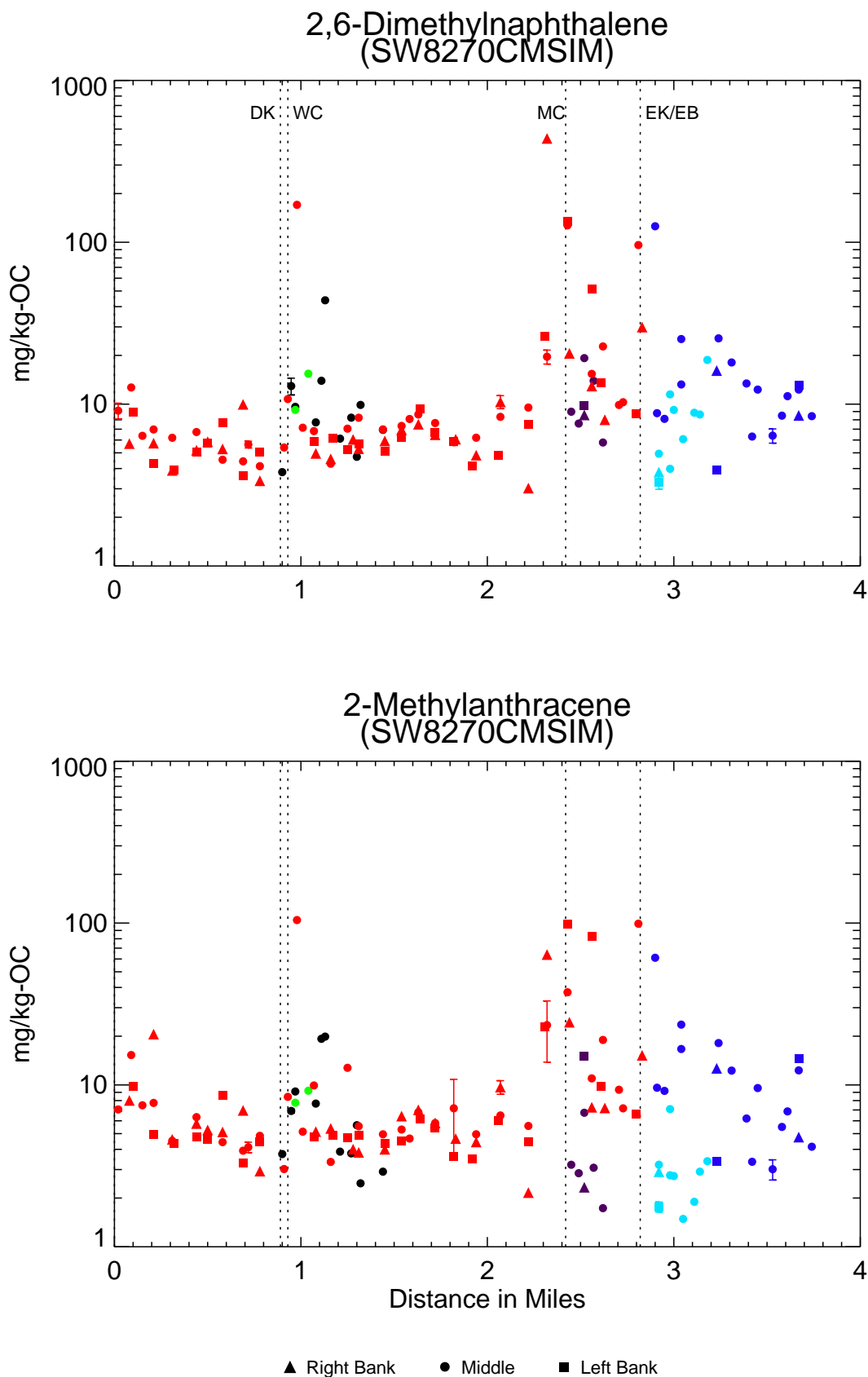
**Figure A4-360**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-361**

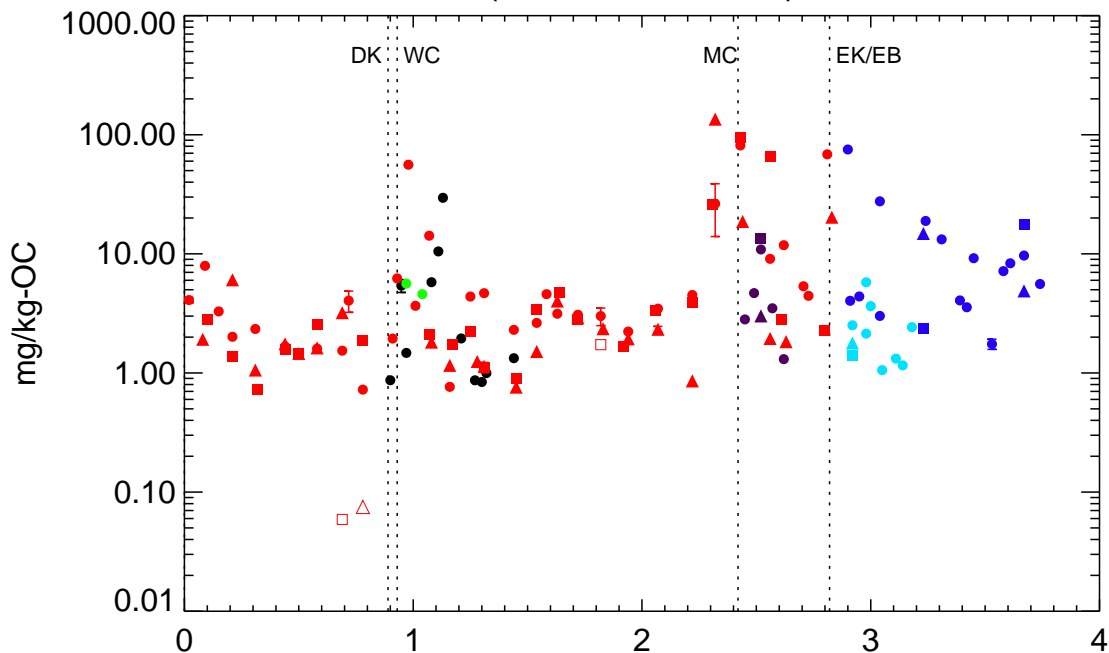
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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)

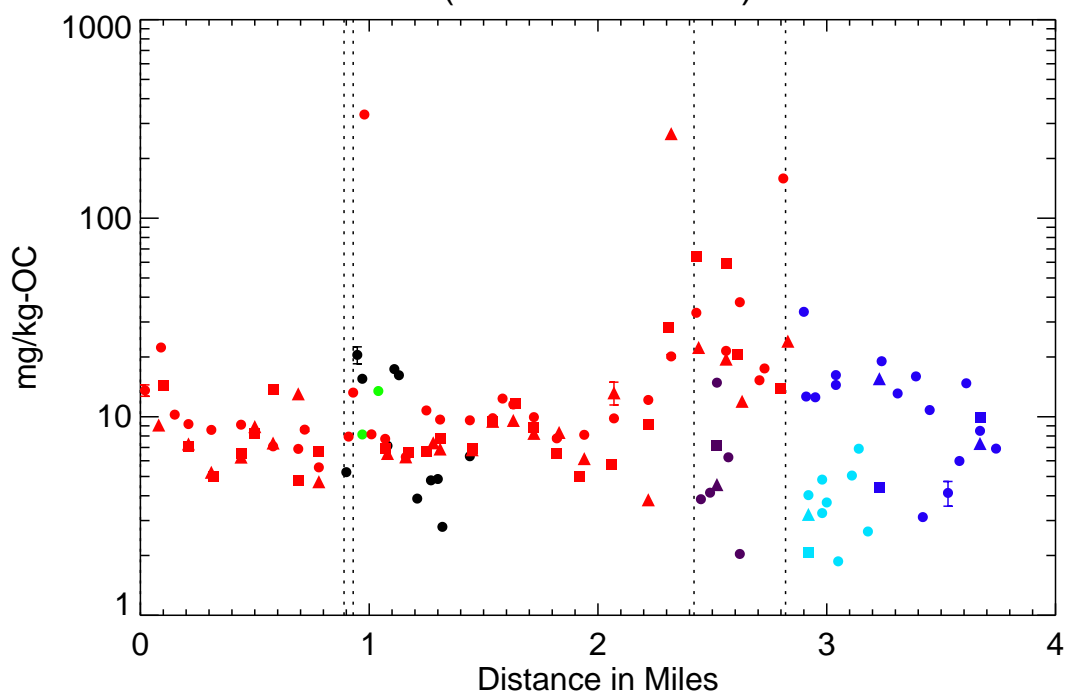
*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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



## 2-Methyldibenzothiophene & 3-Methyldibenzothiophene (SW8270CMSIM)



## 2-Methylnaphthalene (SW8270CMSIM)



▲ Right Bank    ● Middle    ■ Left Bank

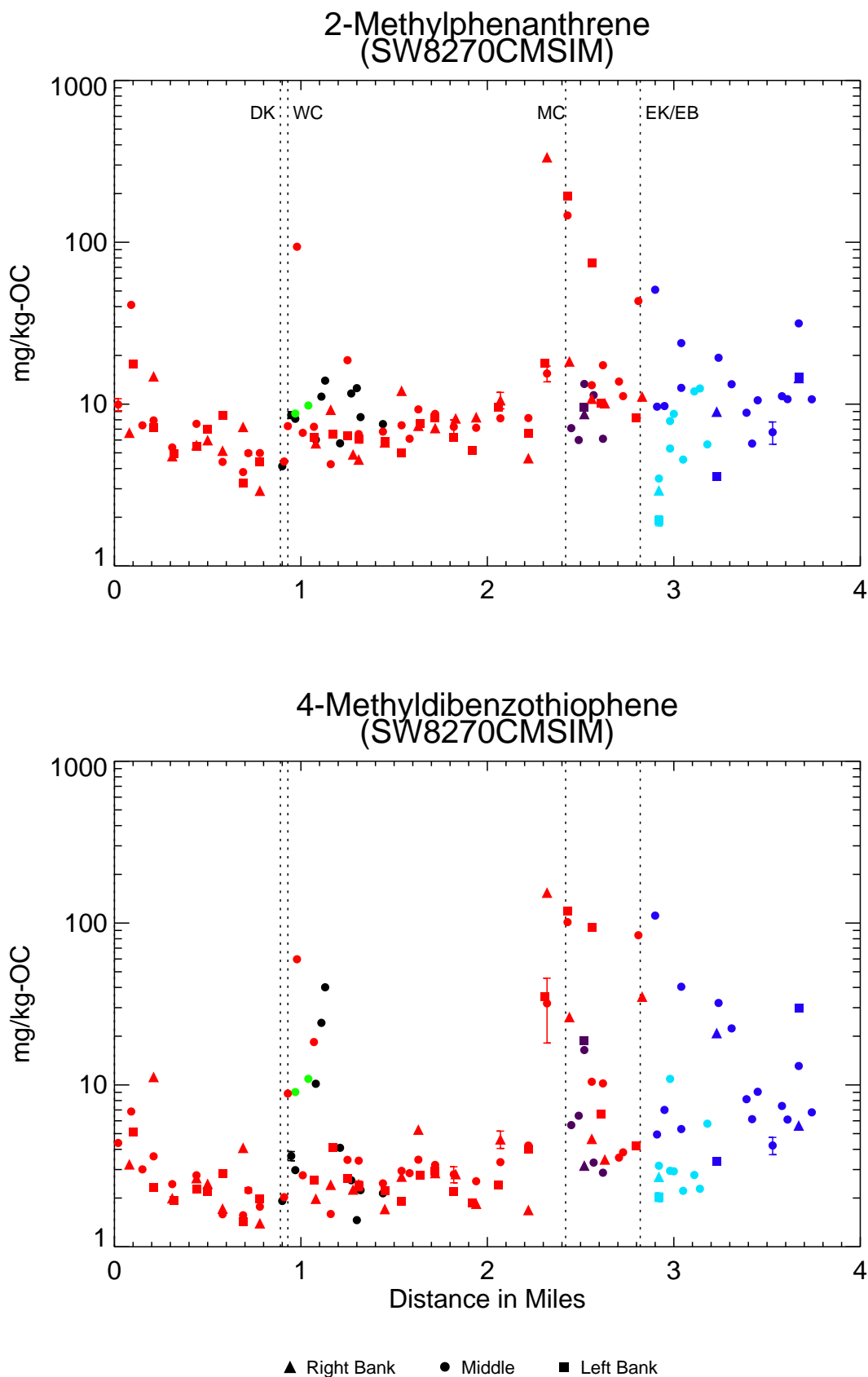
**Figure A4-362**

Surface Sediment Chemical Data (OC Normal) - 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.*

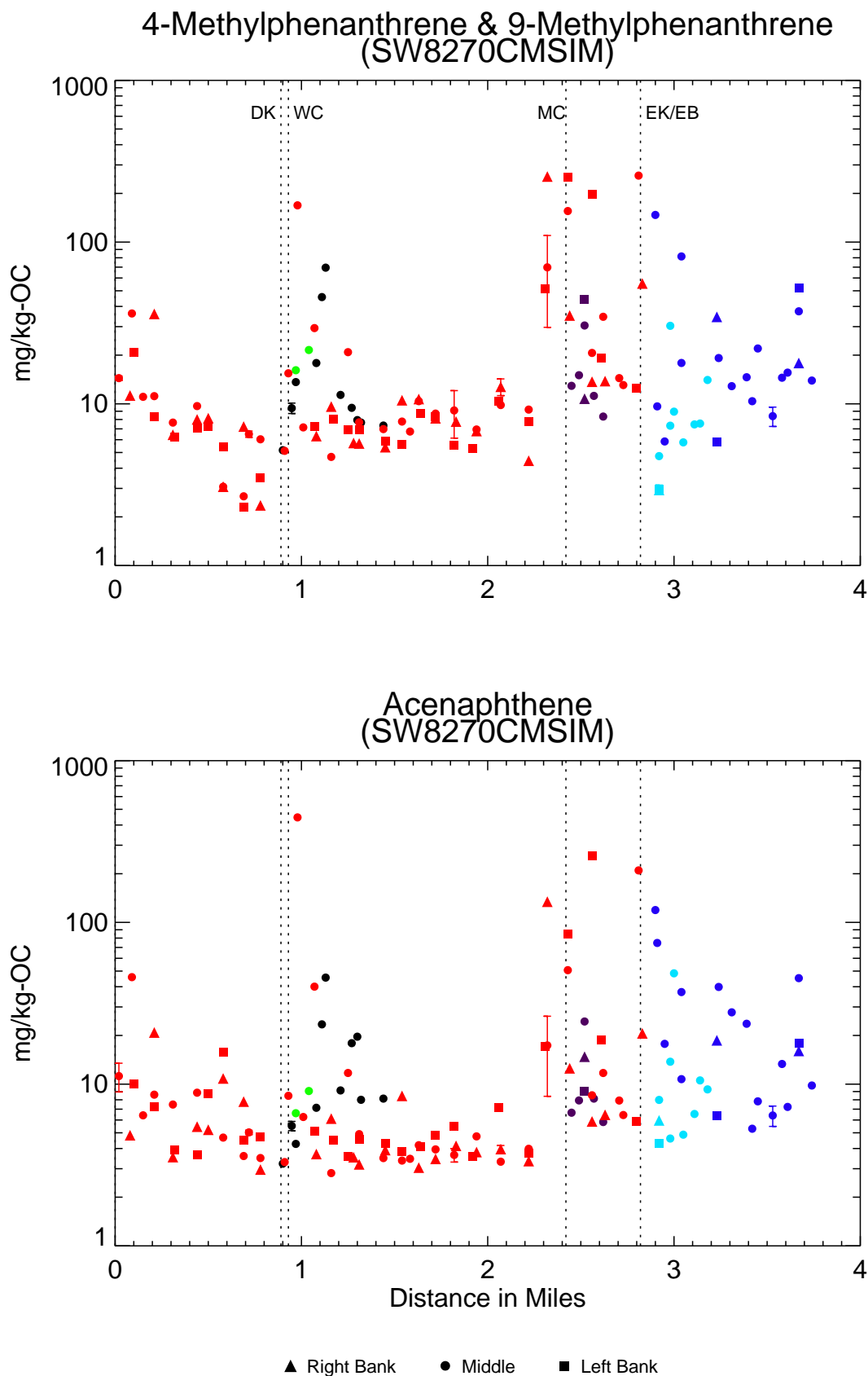
**Figure A4-363**

**Surface Sediment Chemical Data (OC Normal) - 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.*

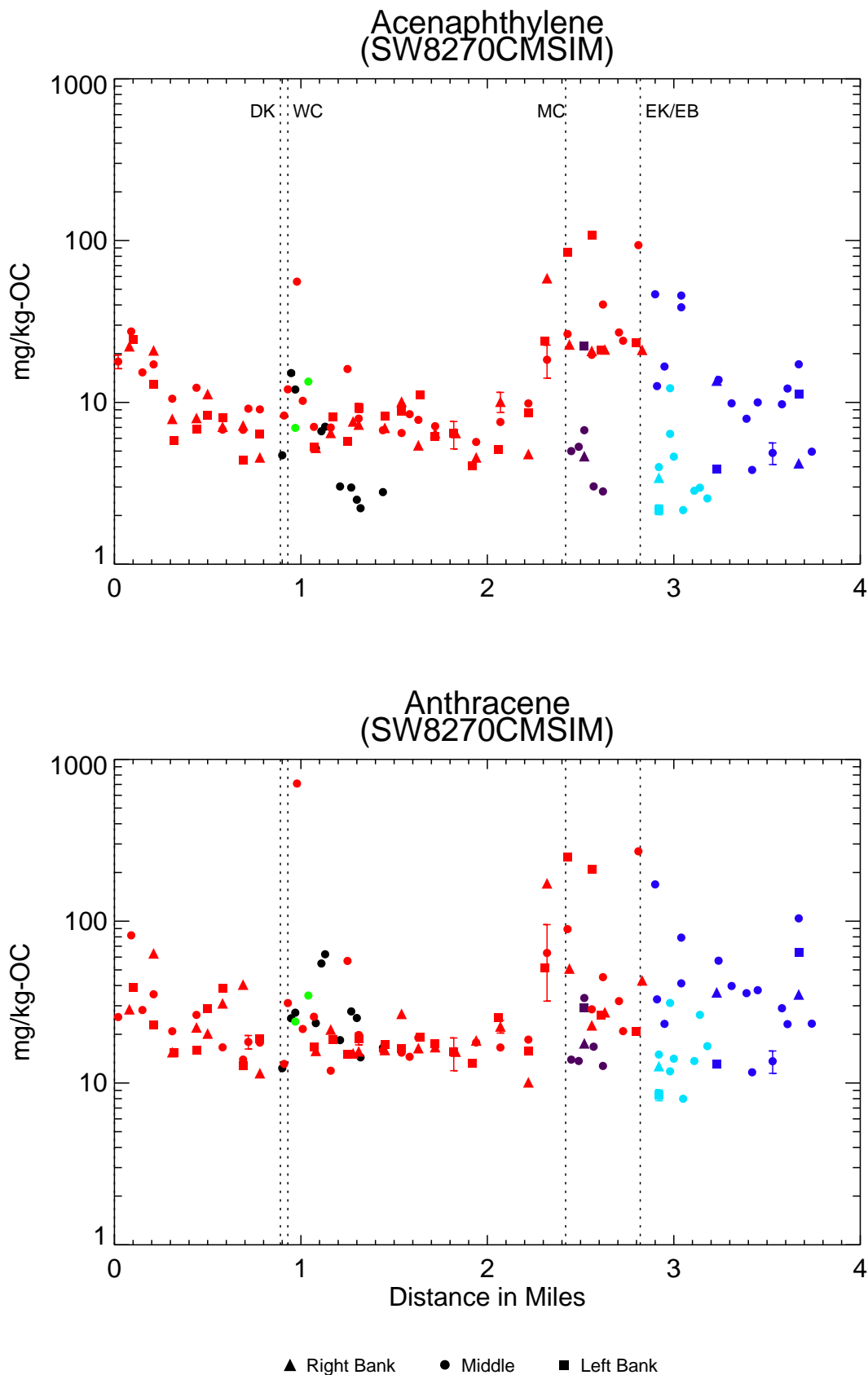
**Figure A4-364**

Surface Sediment Chemical Data (OC Normal) - 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.*



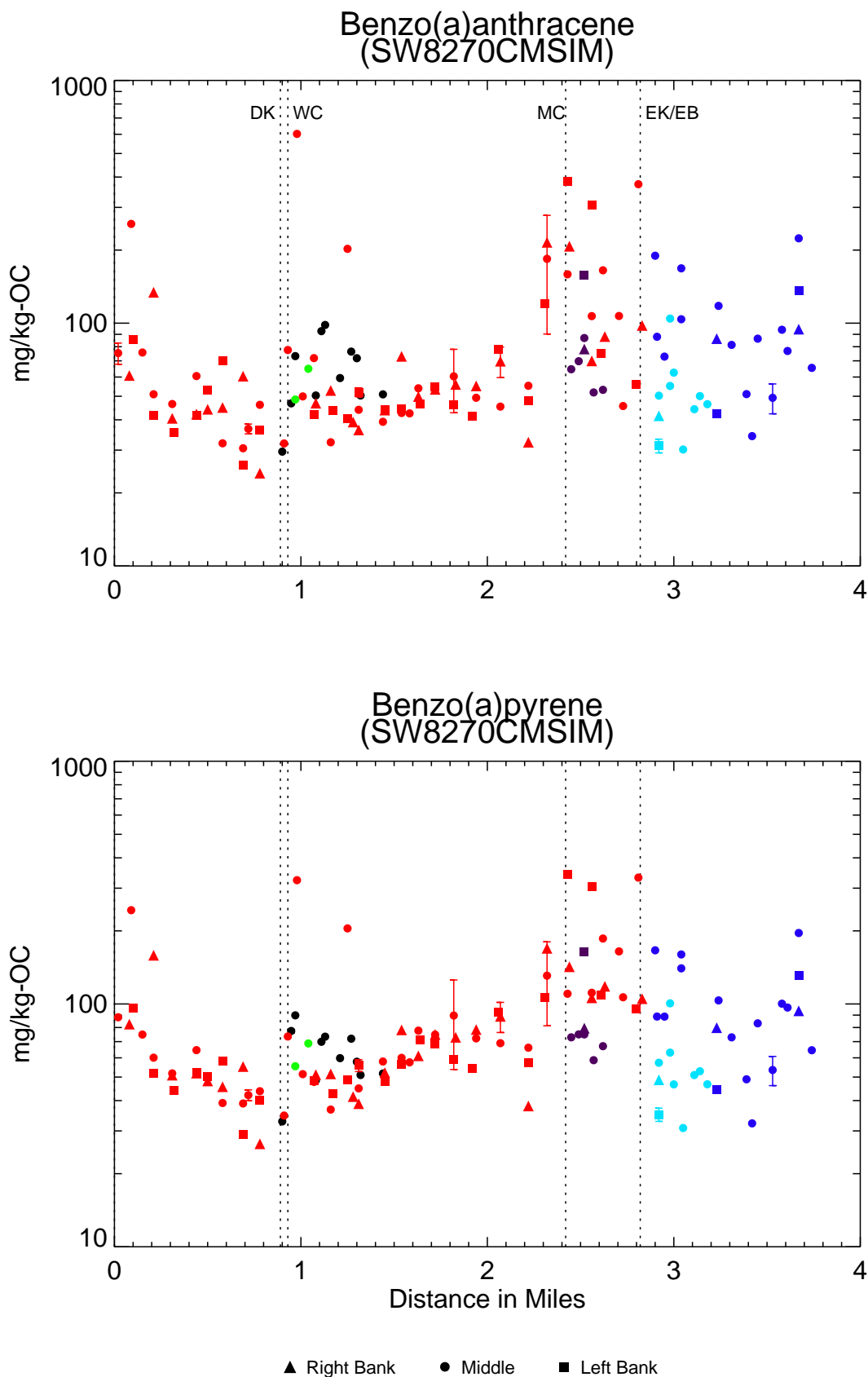
**Figure A4-365**

Surface Sediment Chemical Data (OC Normal) - 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.*



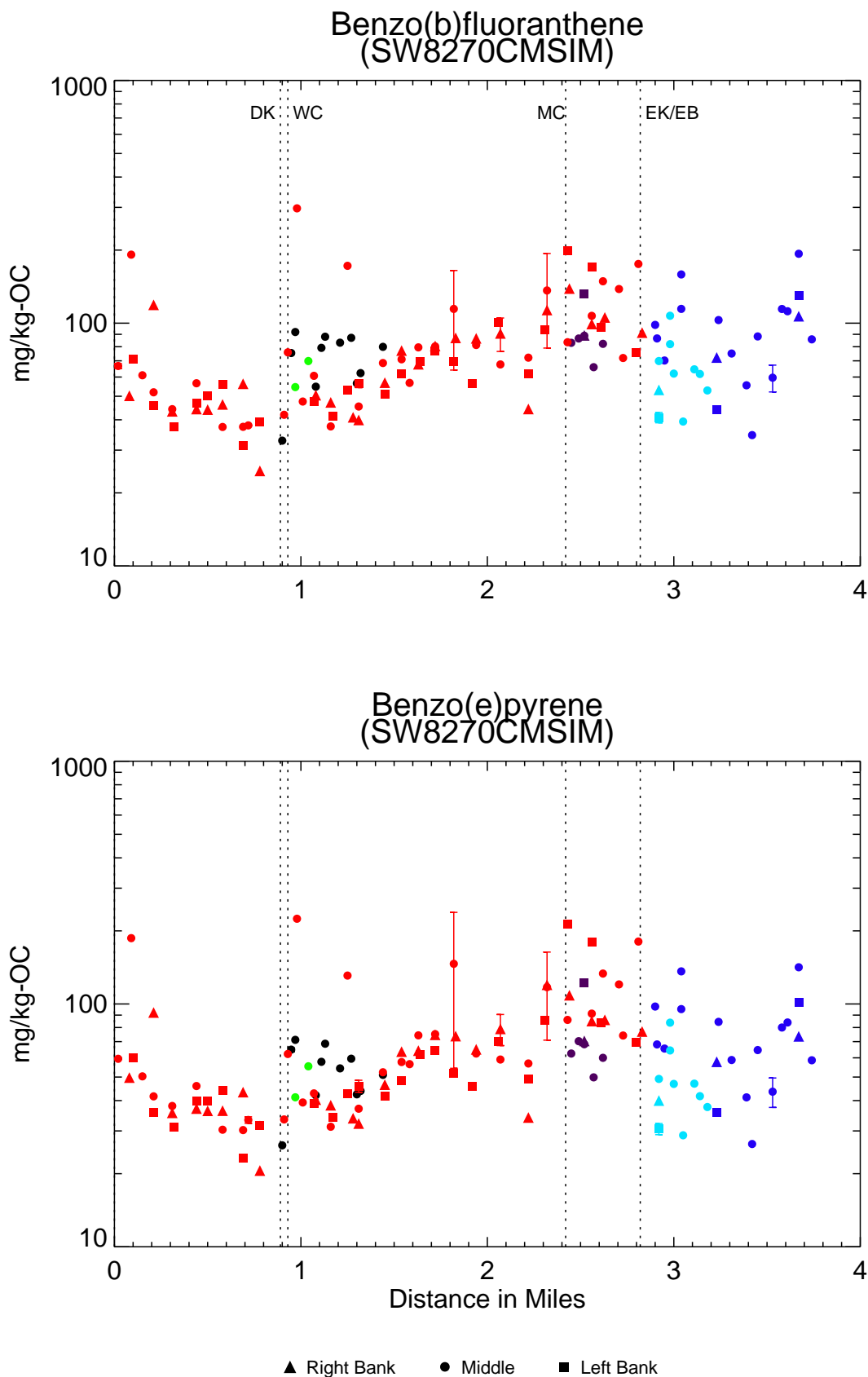
**Figure A4-366**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-367**

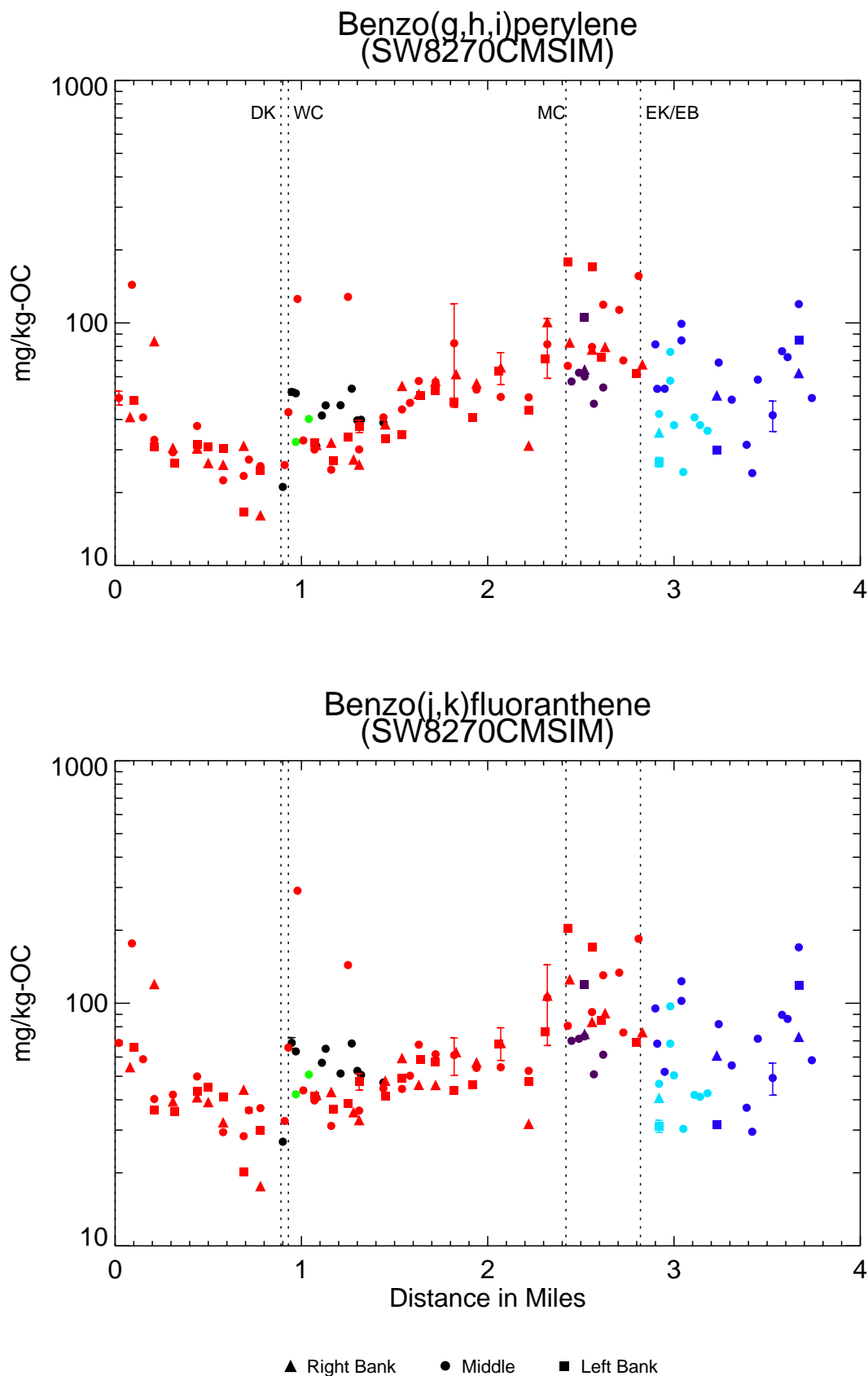
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





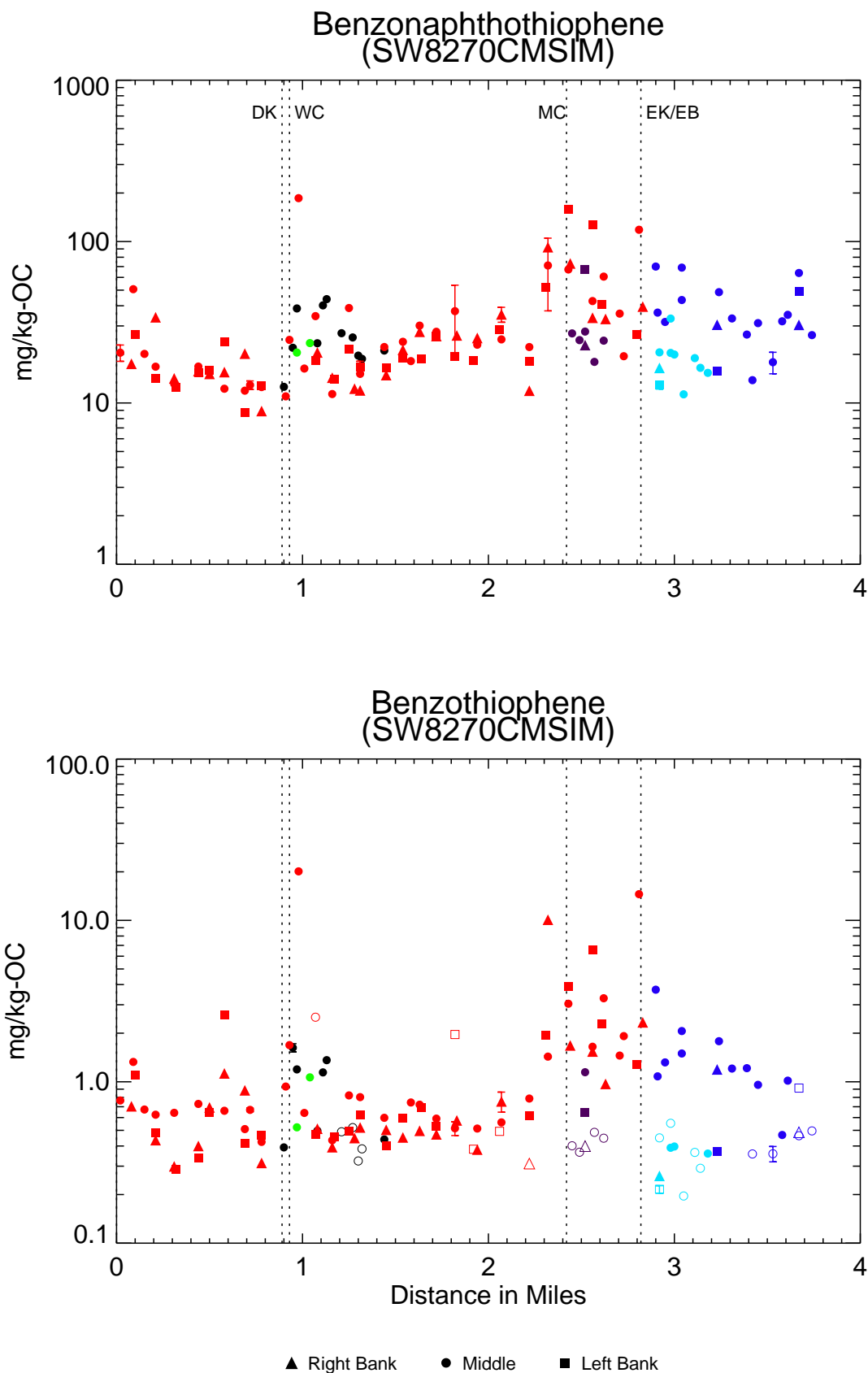
**Figure A4-368**

**Surface Sediment Chemical Data (OC Normal) - 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.*



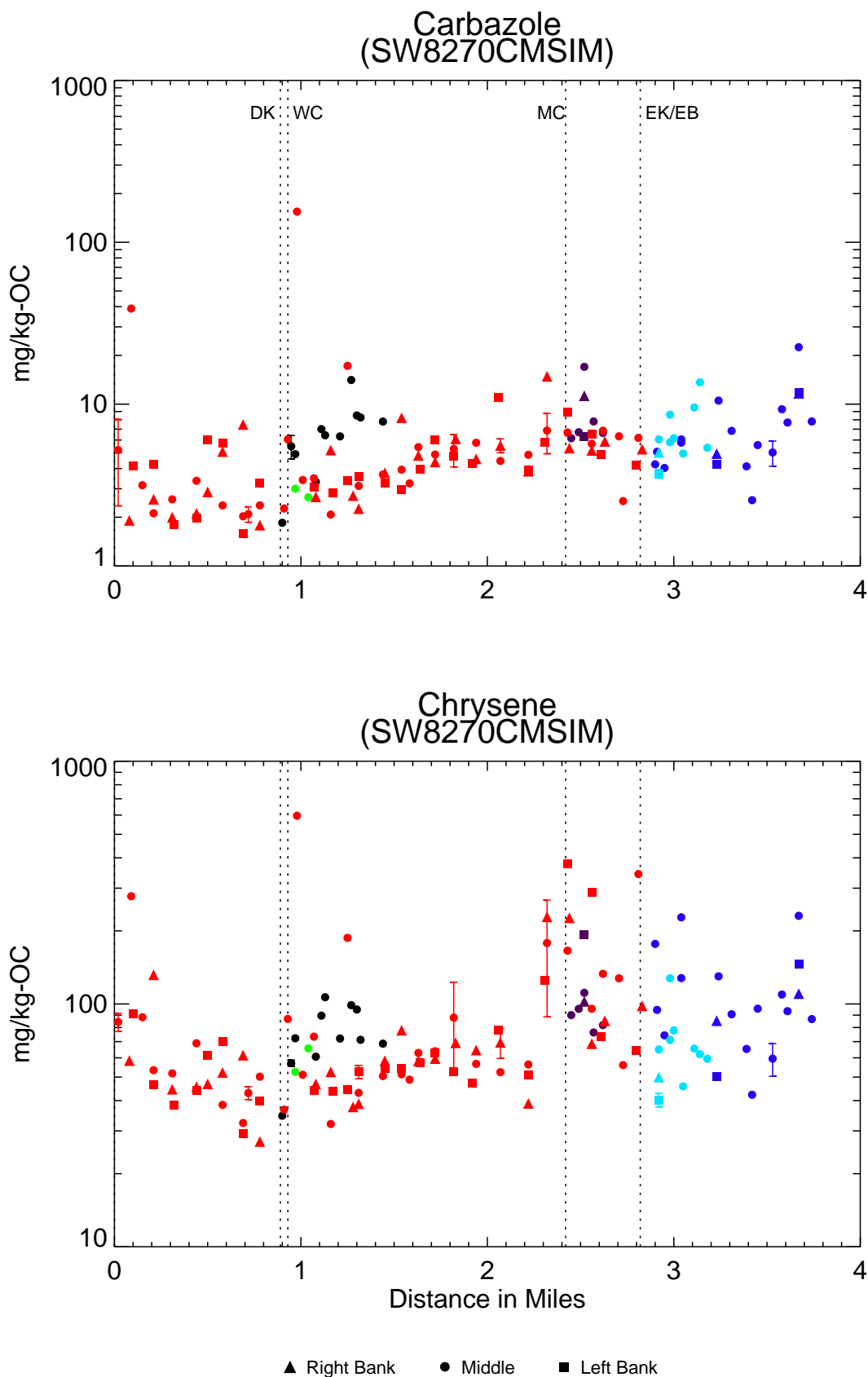
**Figure A4-369**

**Surface Sediment Chemical Data (OC Normal) - 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.*



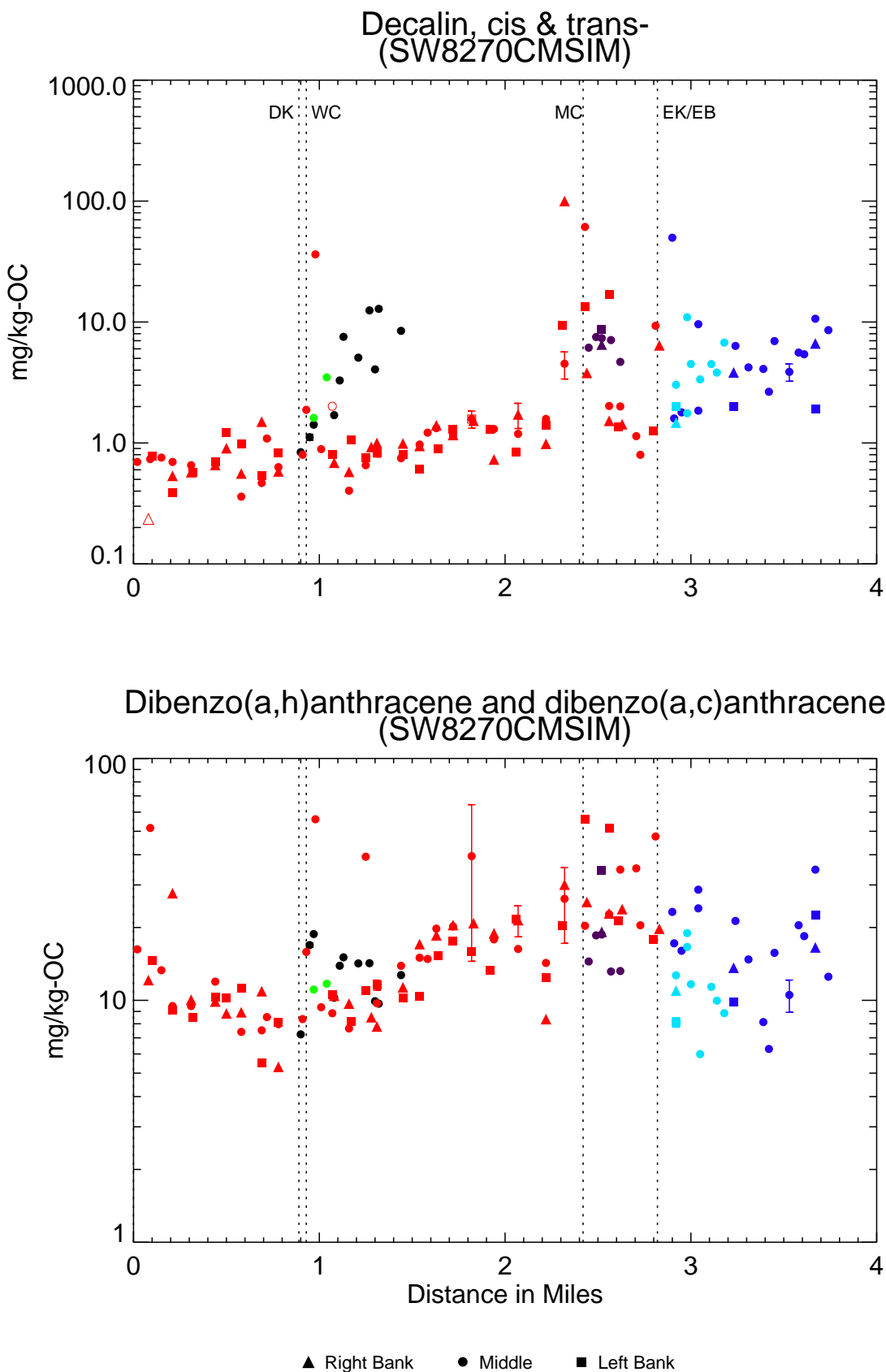
**Figure A4-370**

**Surface Sediment Chemical Data (OC Normal) - 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.*



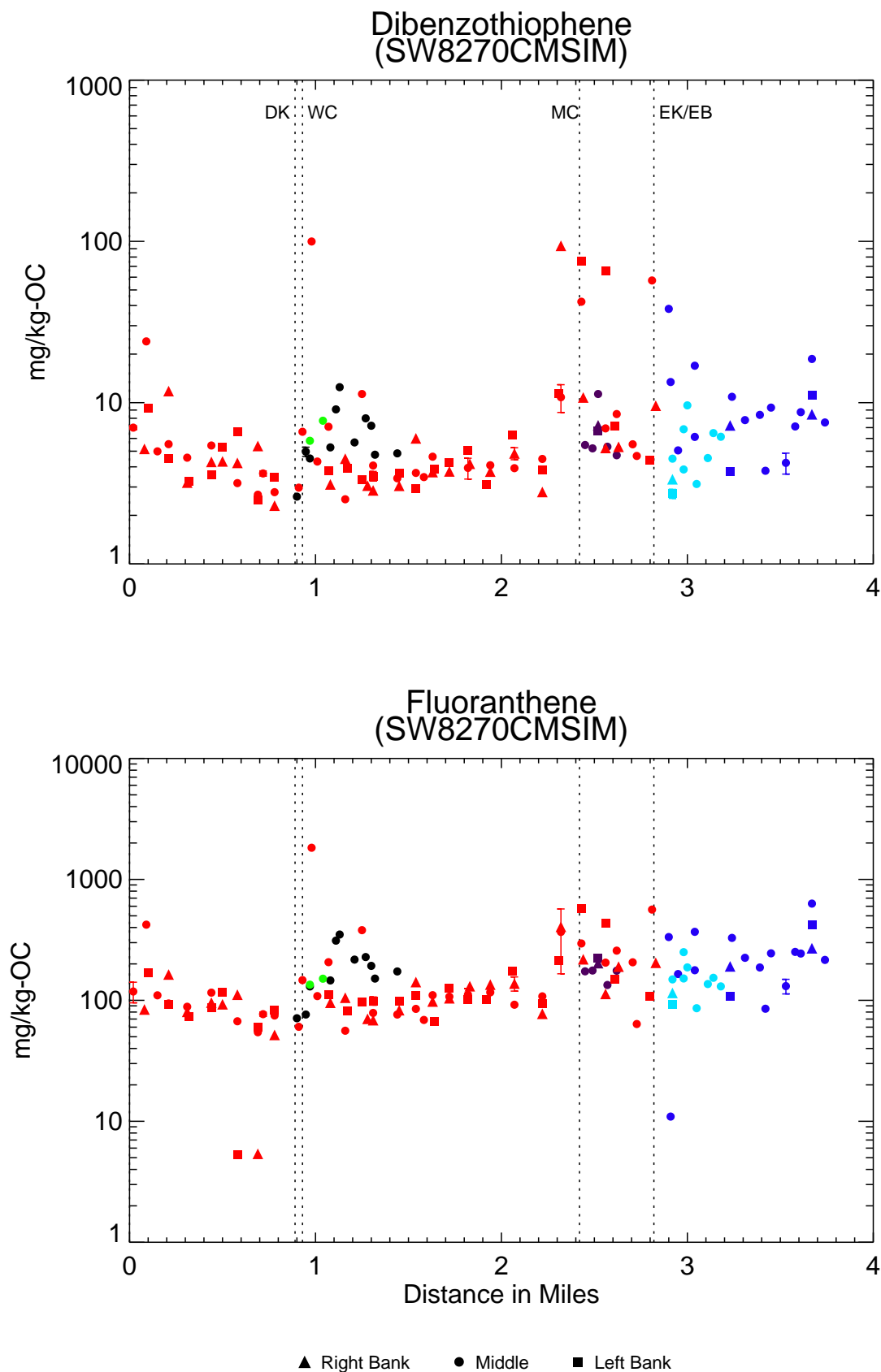
**Figure A4-371**

Surface Sediment Chemical Data (OC Normal) - 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.*

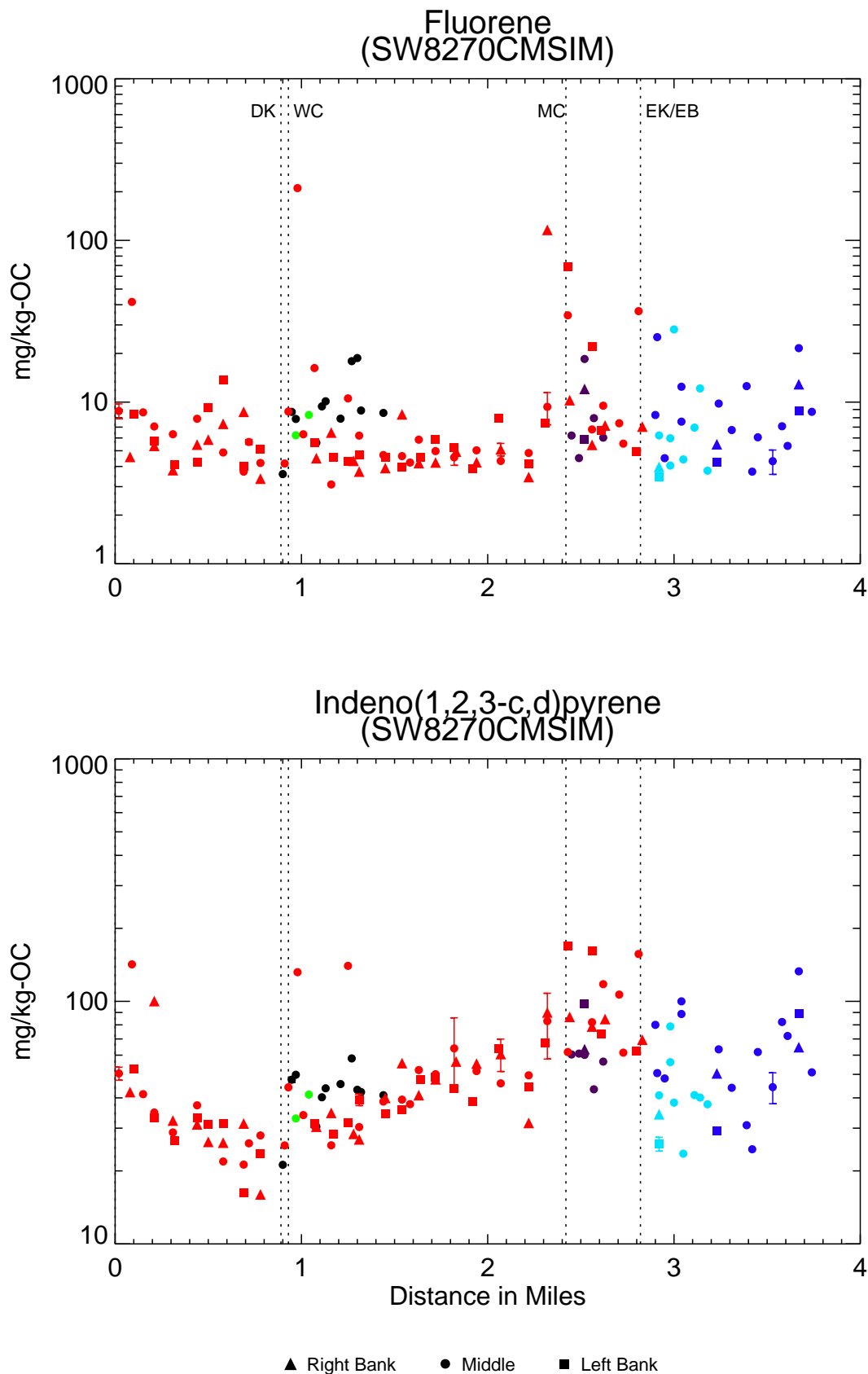
**Figure A4-372**

Surface Sediment Chemical Data (OC Normal) - 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.*



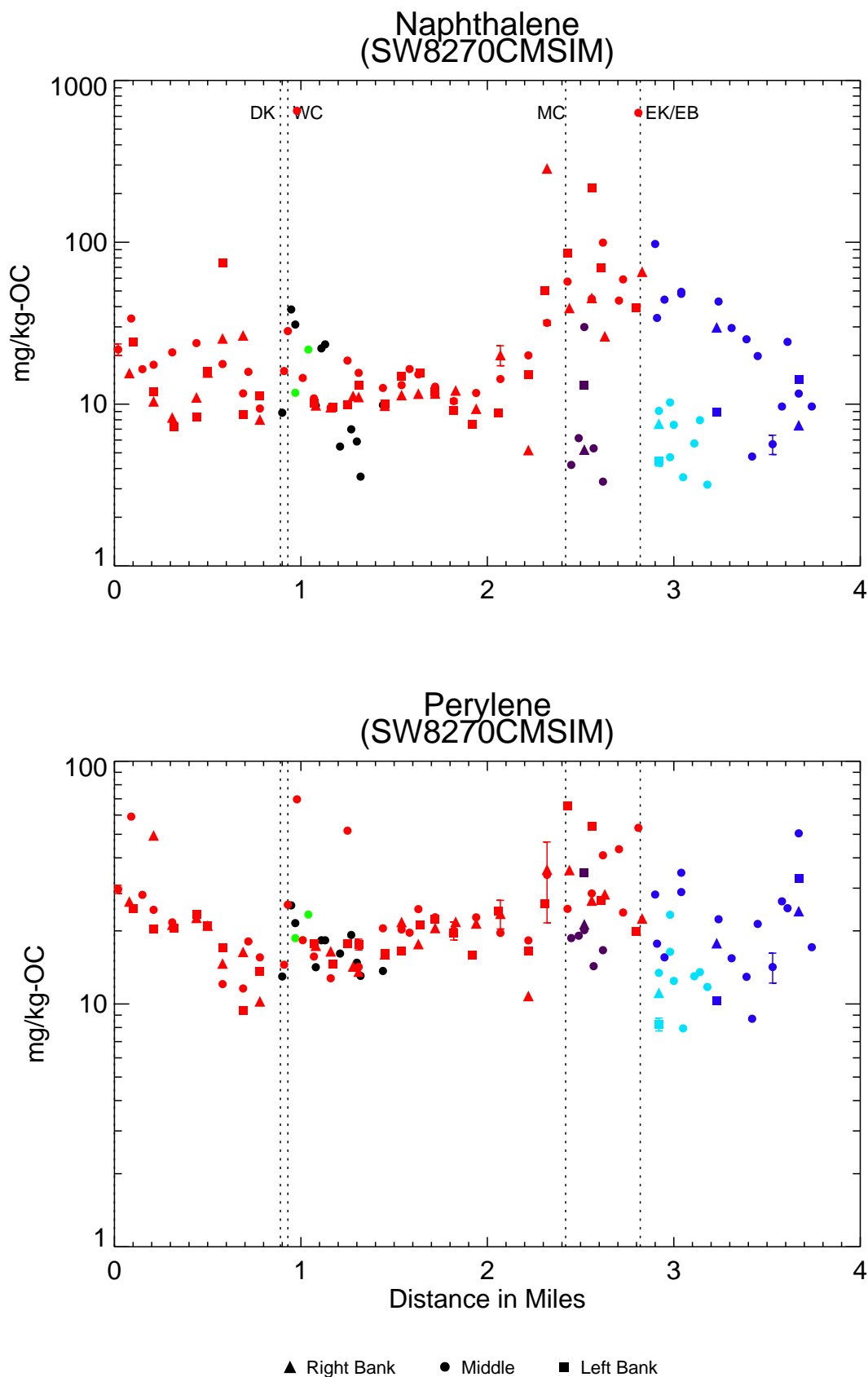
**Figure A4-373**

**Surface Sediment Chemical Data (OC Normal) - 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.*



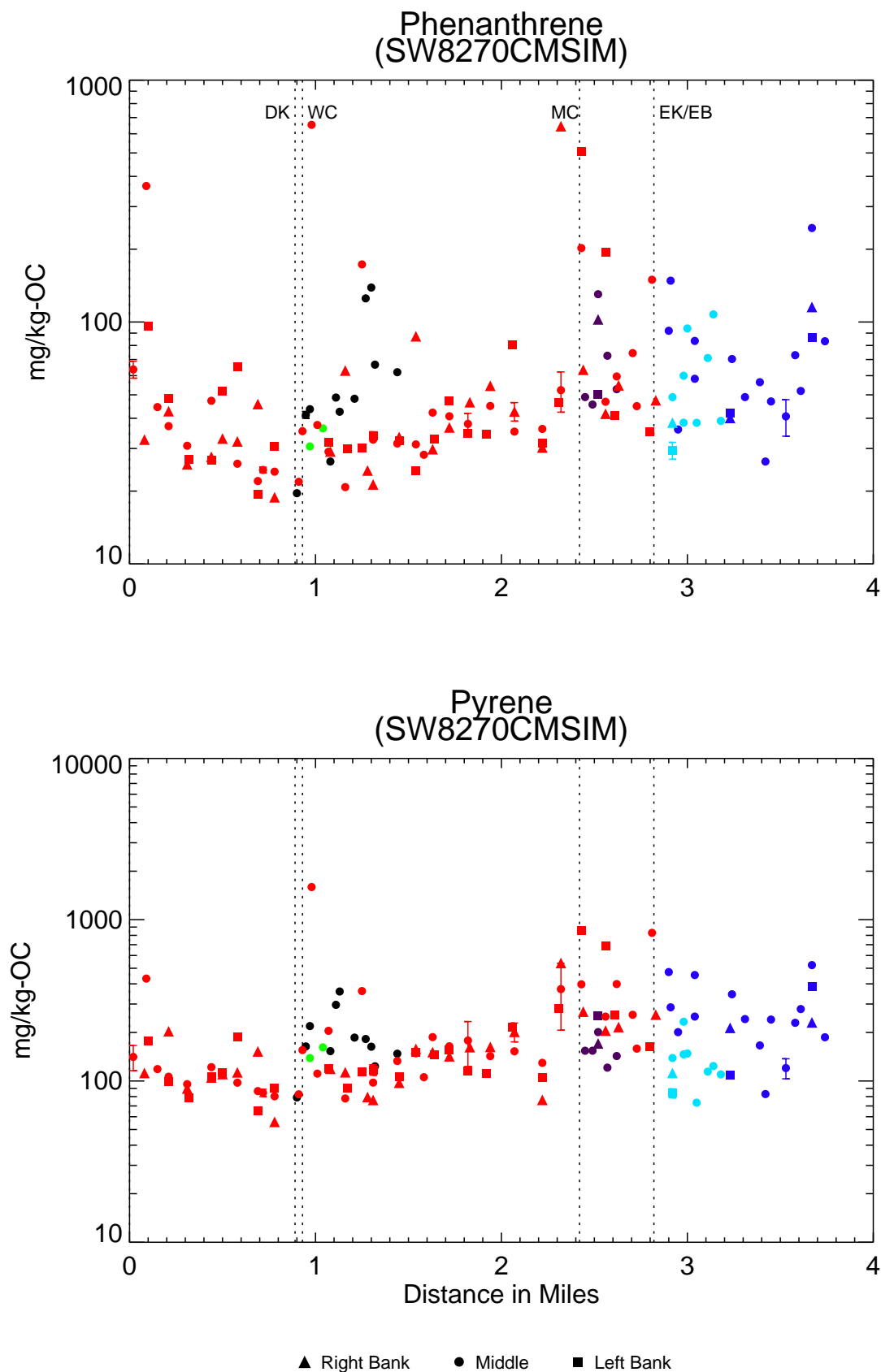


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-374**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-375**

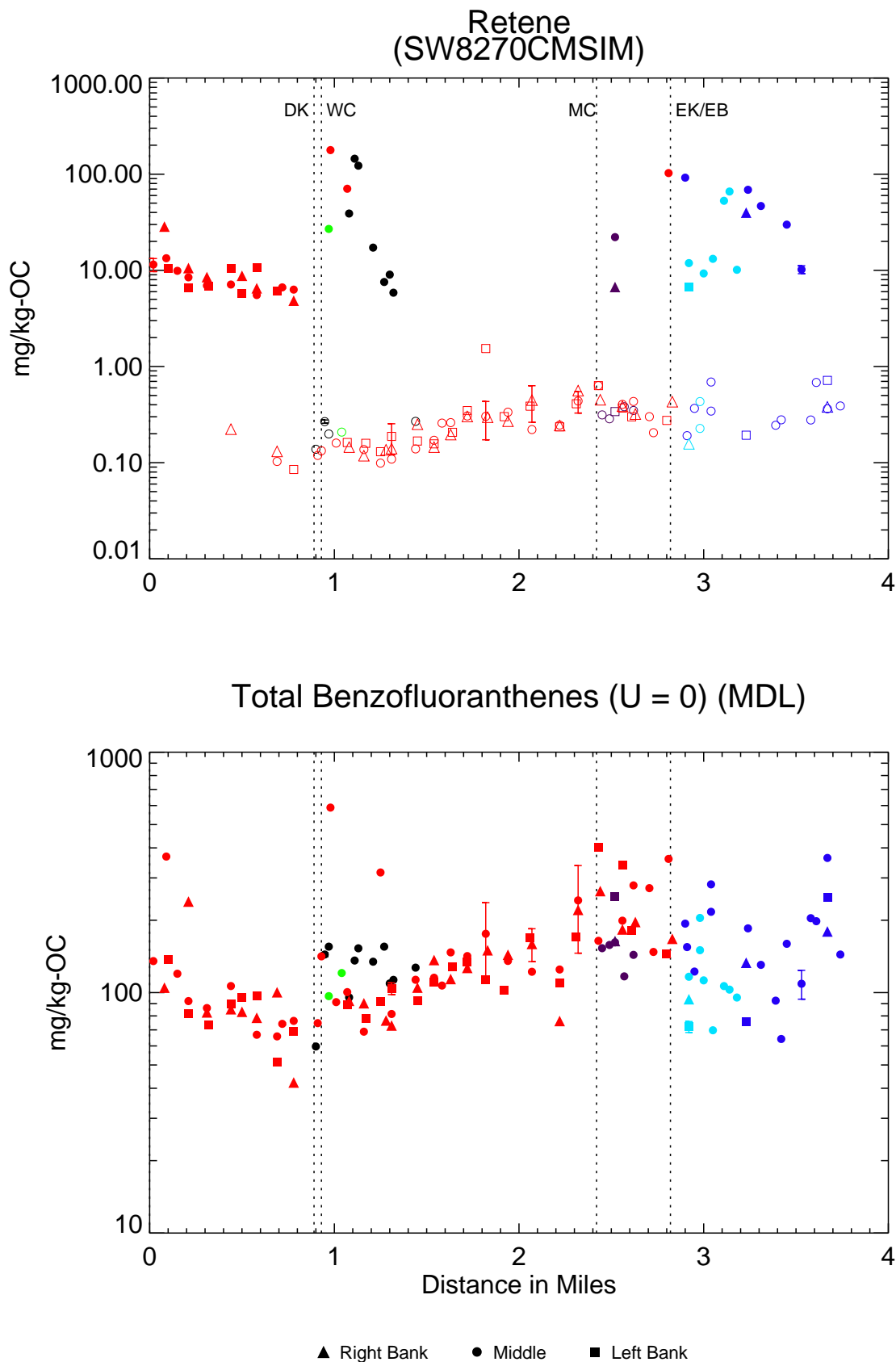
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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 A4-376**

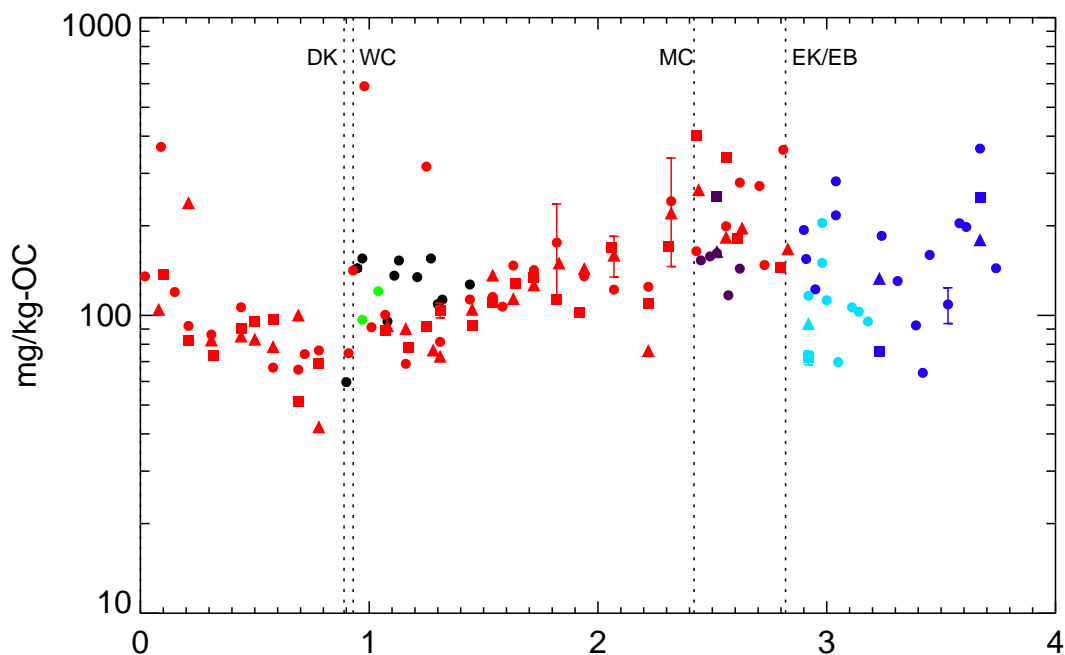
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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)

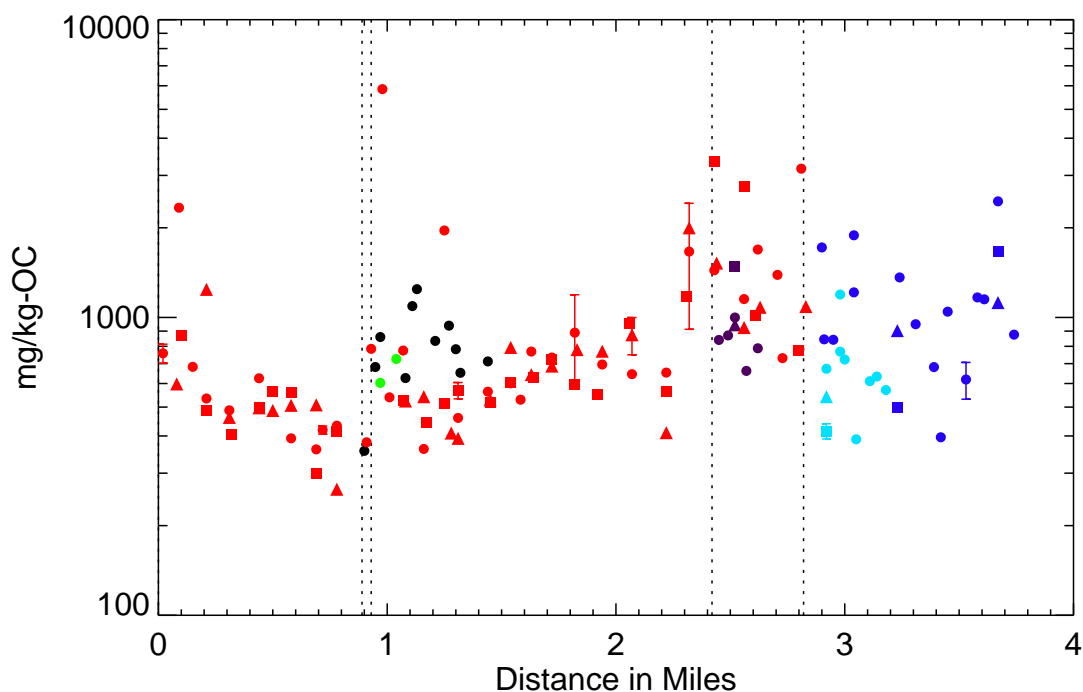
*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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



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



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



▲ Right Bank    ● Middle    ■ Left Bank

**Figure A4-377**

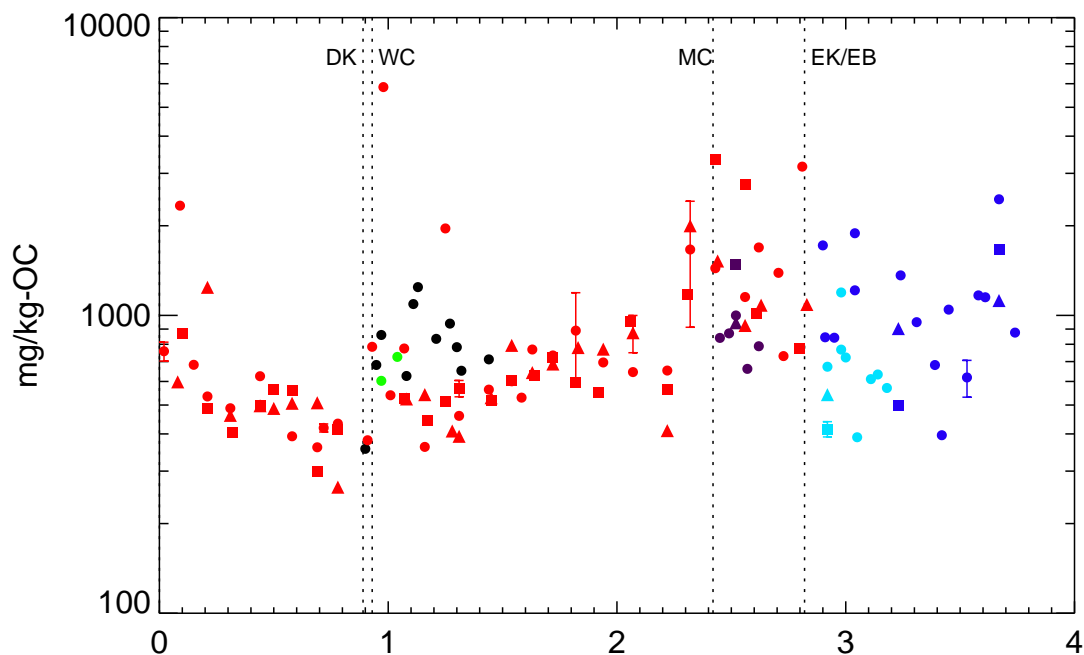
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



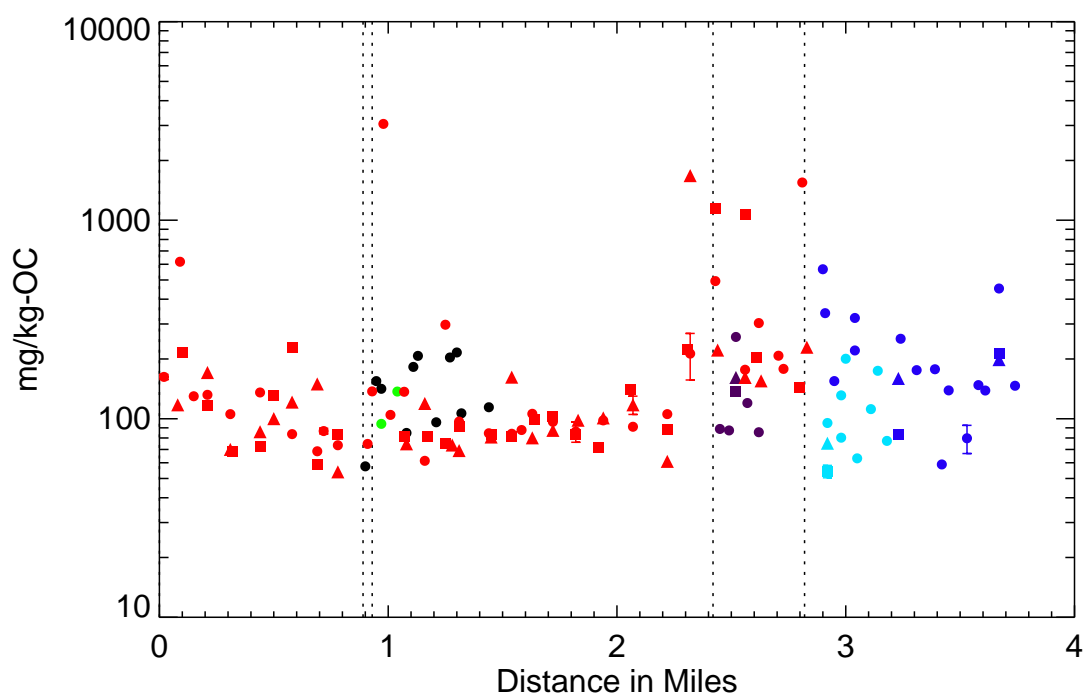
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

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



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



▲ Right Bank    ● Middle    ■ Left Bank

**Figure A4-378**

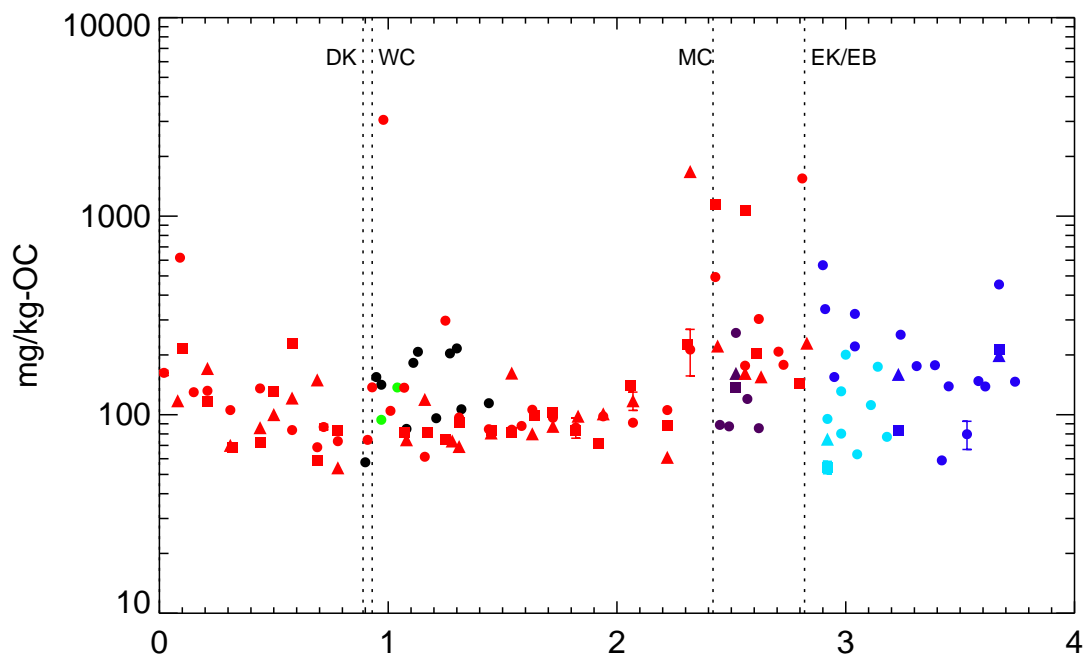
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



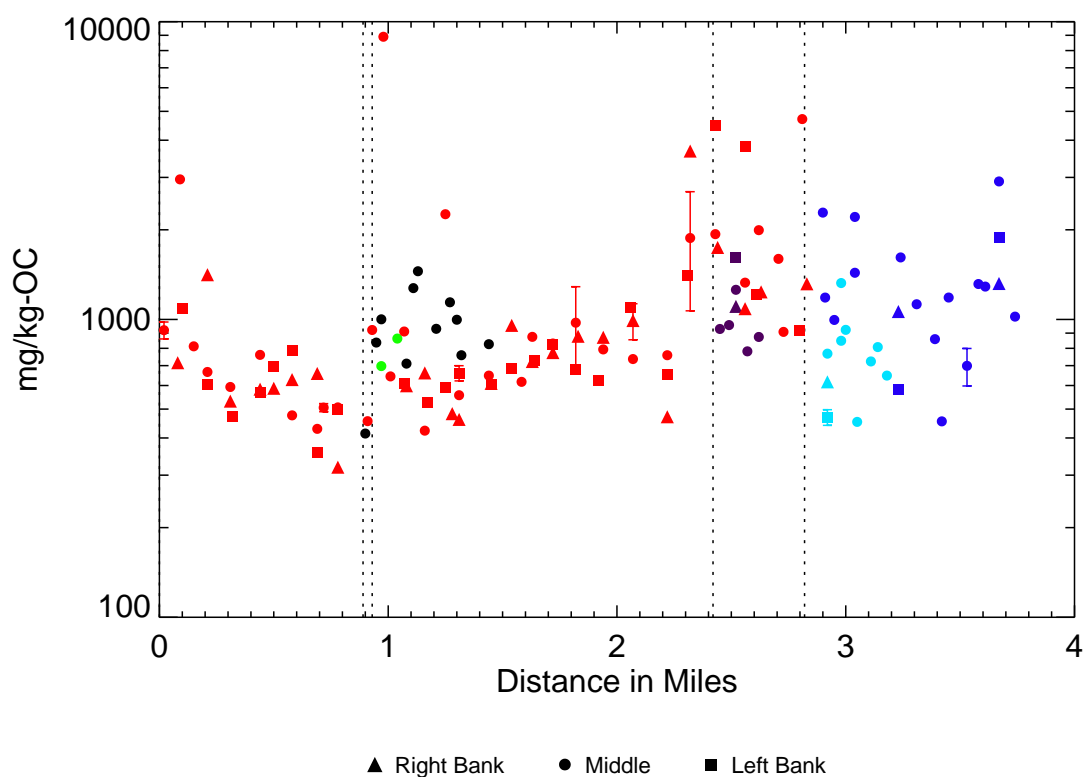
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

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



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

**Figure A4-379**

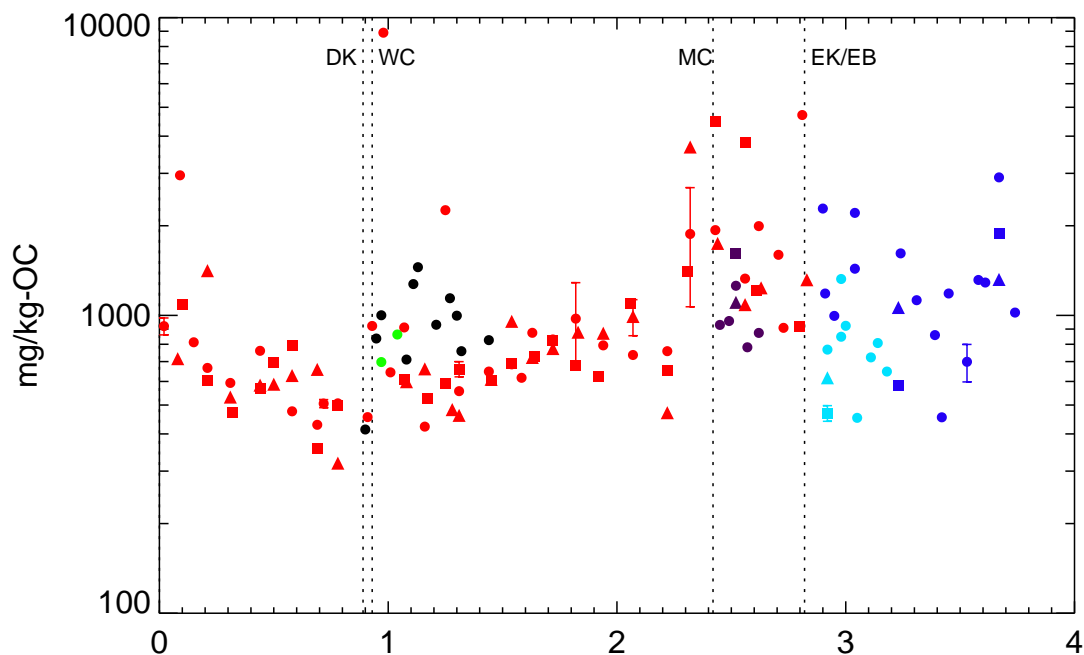
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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)

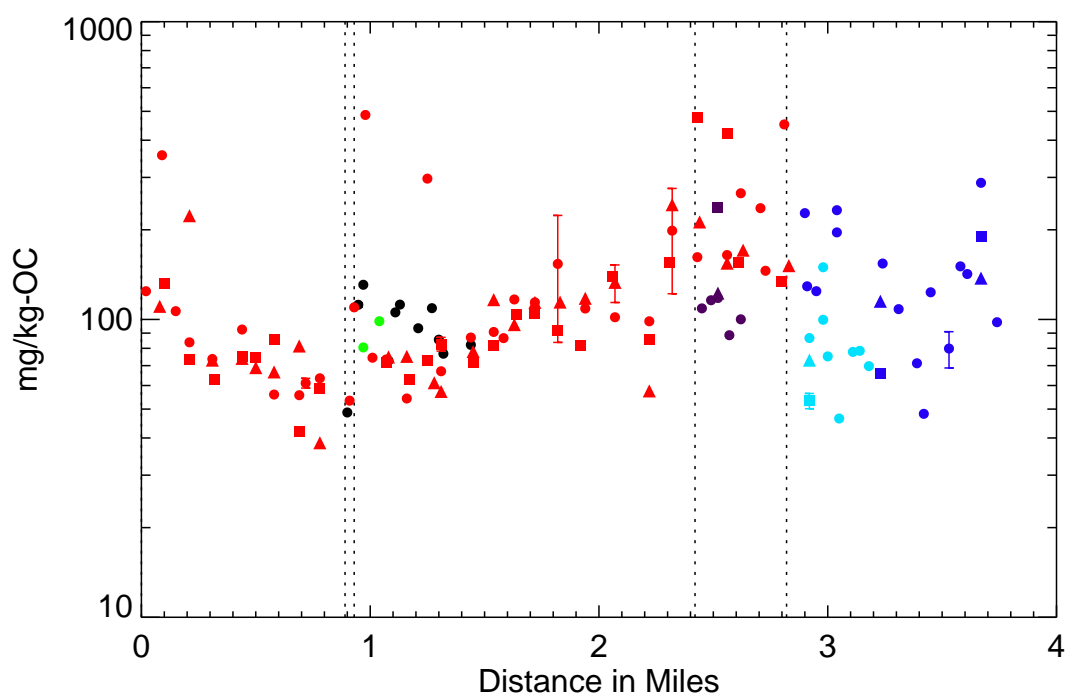


*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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

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



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



▲ Right Bank    ● Middle    ■ Left Bank

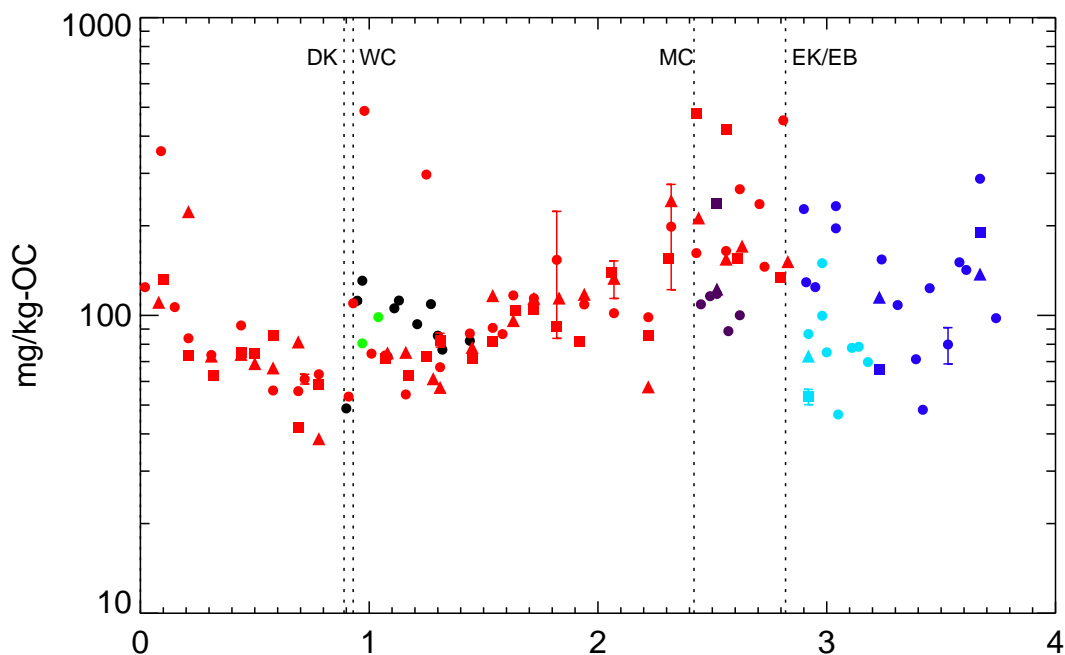
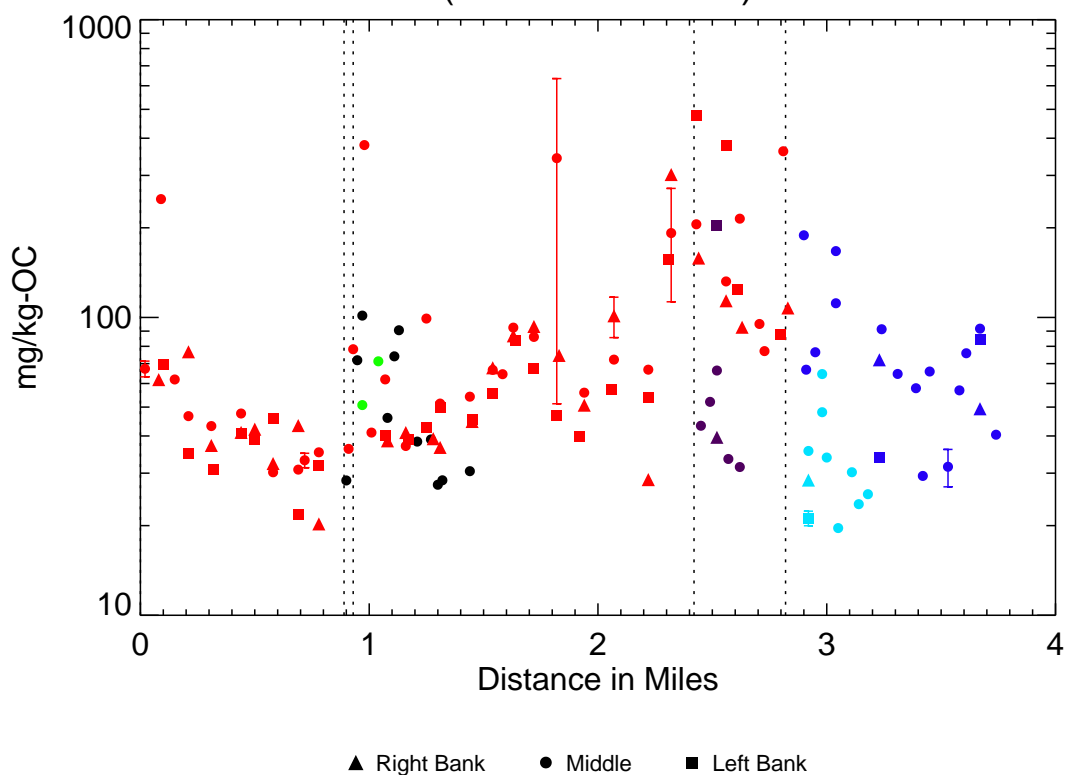


- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-380**  
**Surface Sediment Chemical Data (OC Normal) - 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)

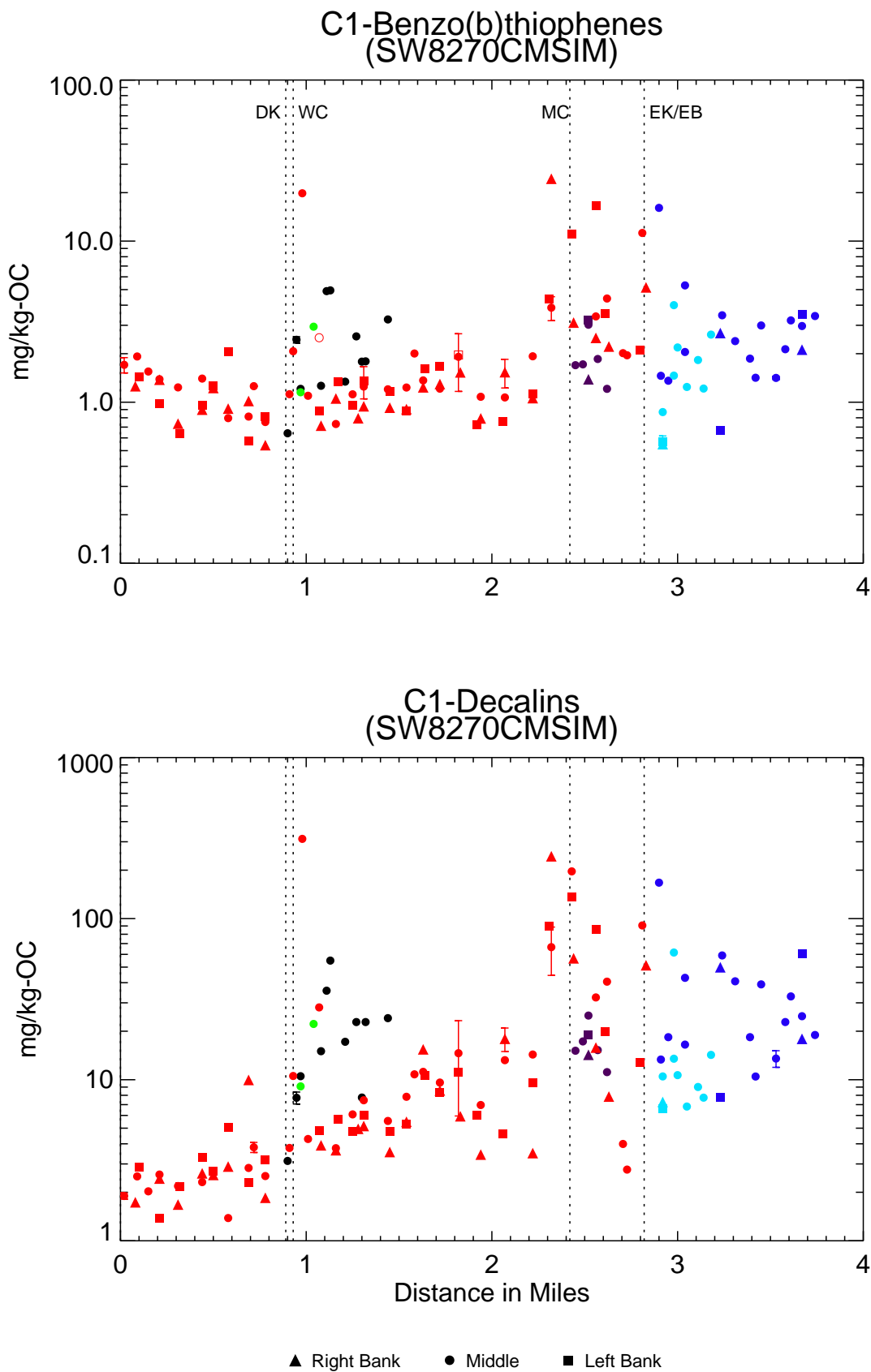
C1-Benzo(a)anthracenes/Chrysenes  
(SW8270CMSIM)**Figure A4-381**

Surface Sediment Chemical Data (OC Normal) - 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.*

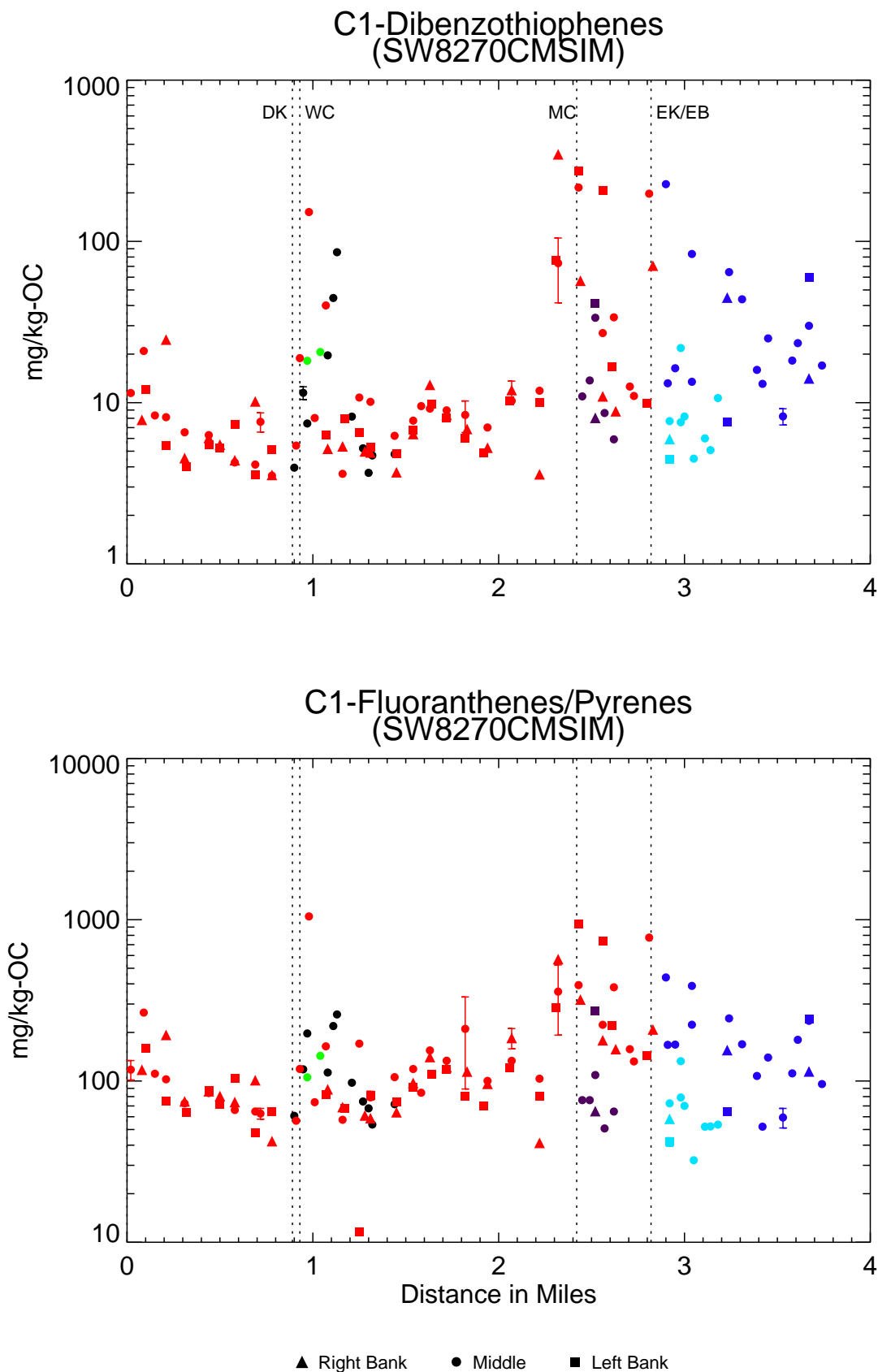
**Figure A4-382**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-383**

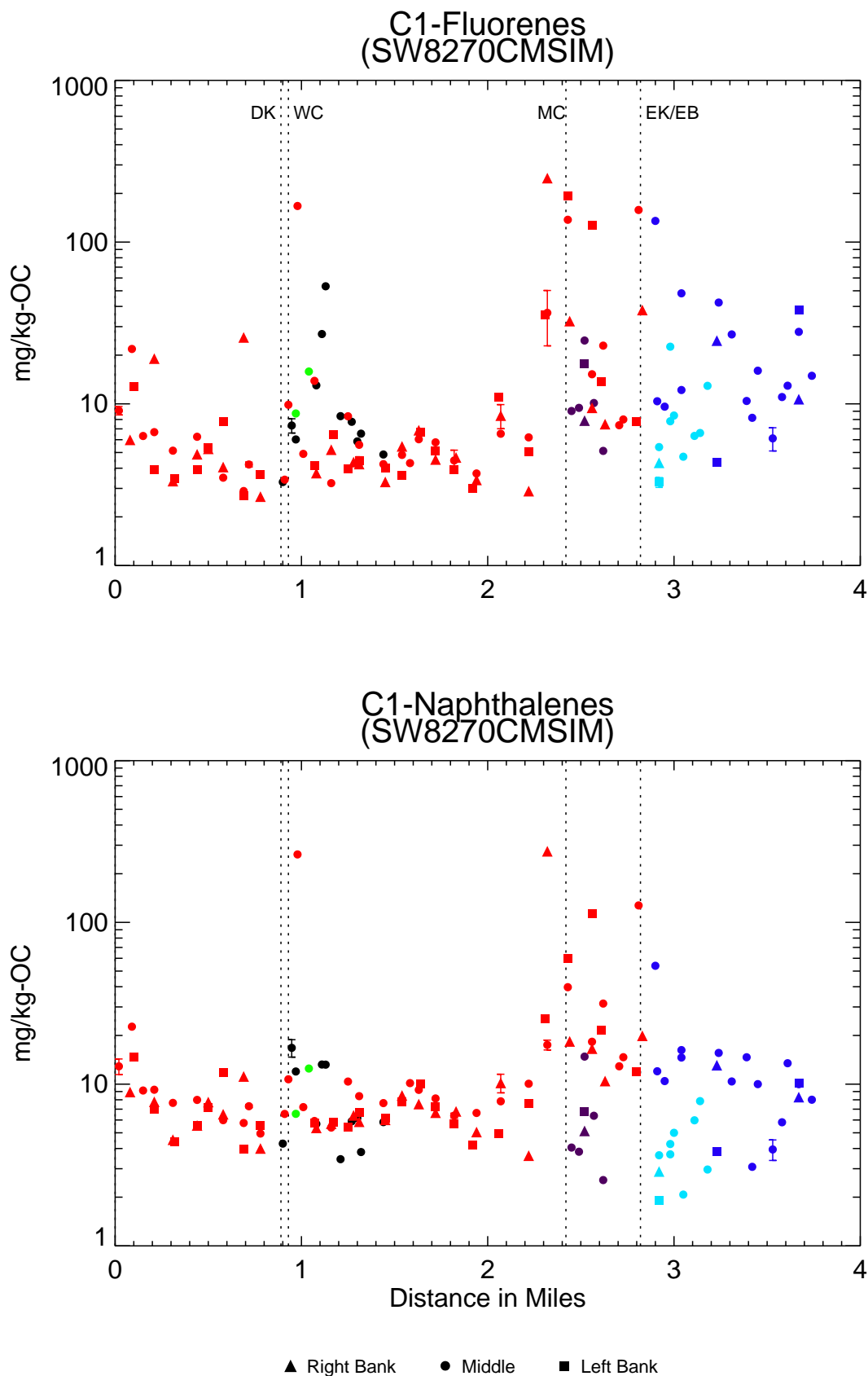
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



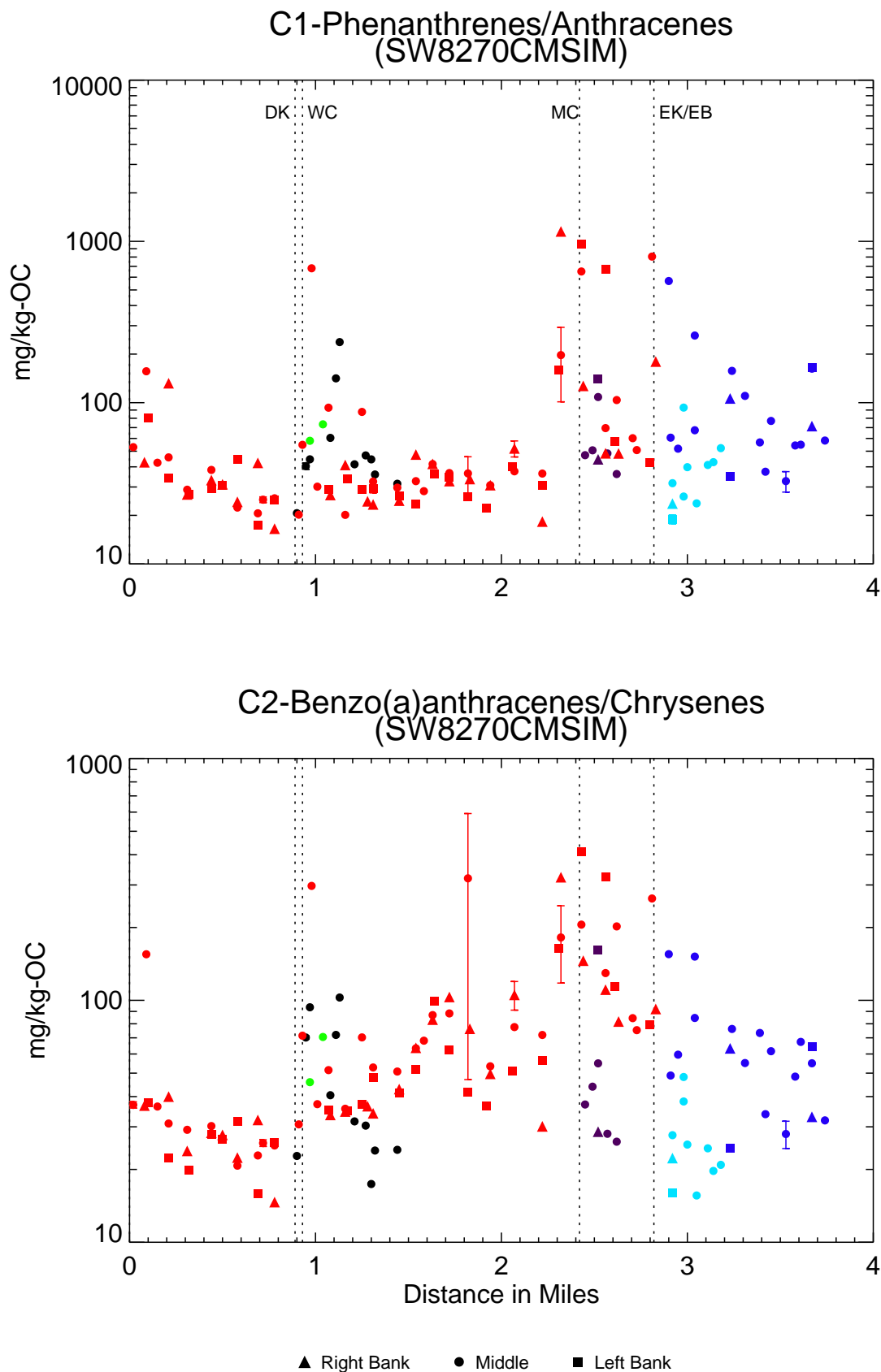
**Figure A4-384**

Surface Sediment Chemical Data (OC Normal) - 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.*



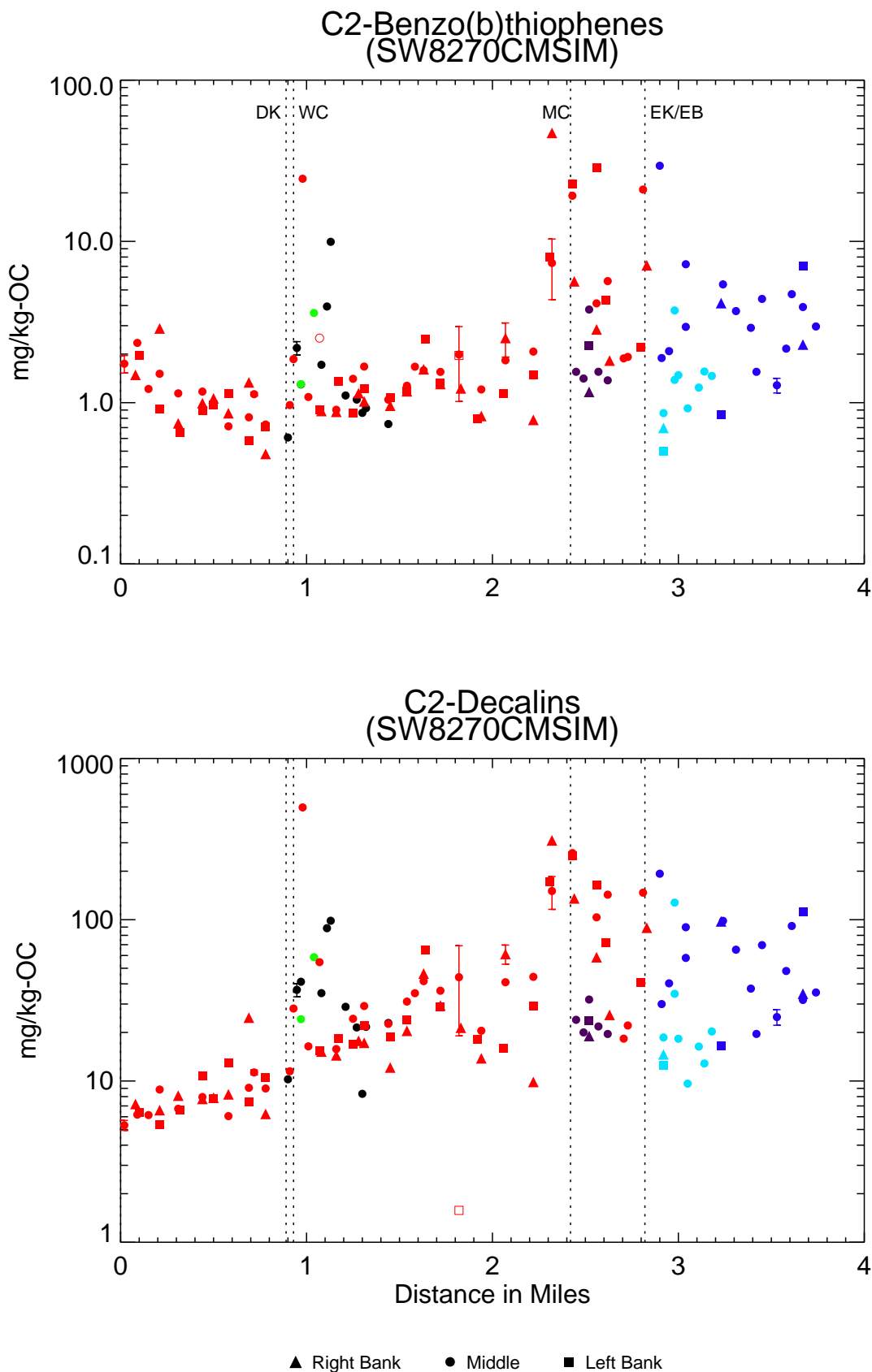
**Figure A4-385**

**Surface Sediment Chemical Data (OC Normal) - 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.*



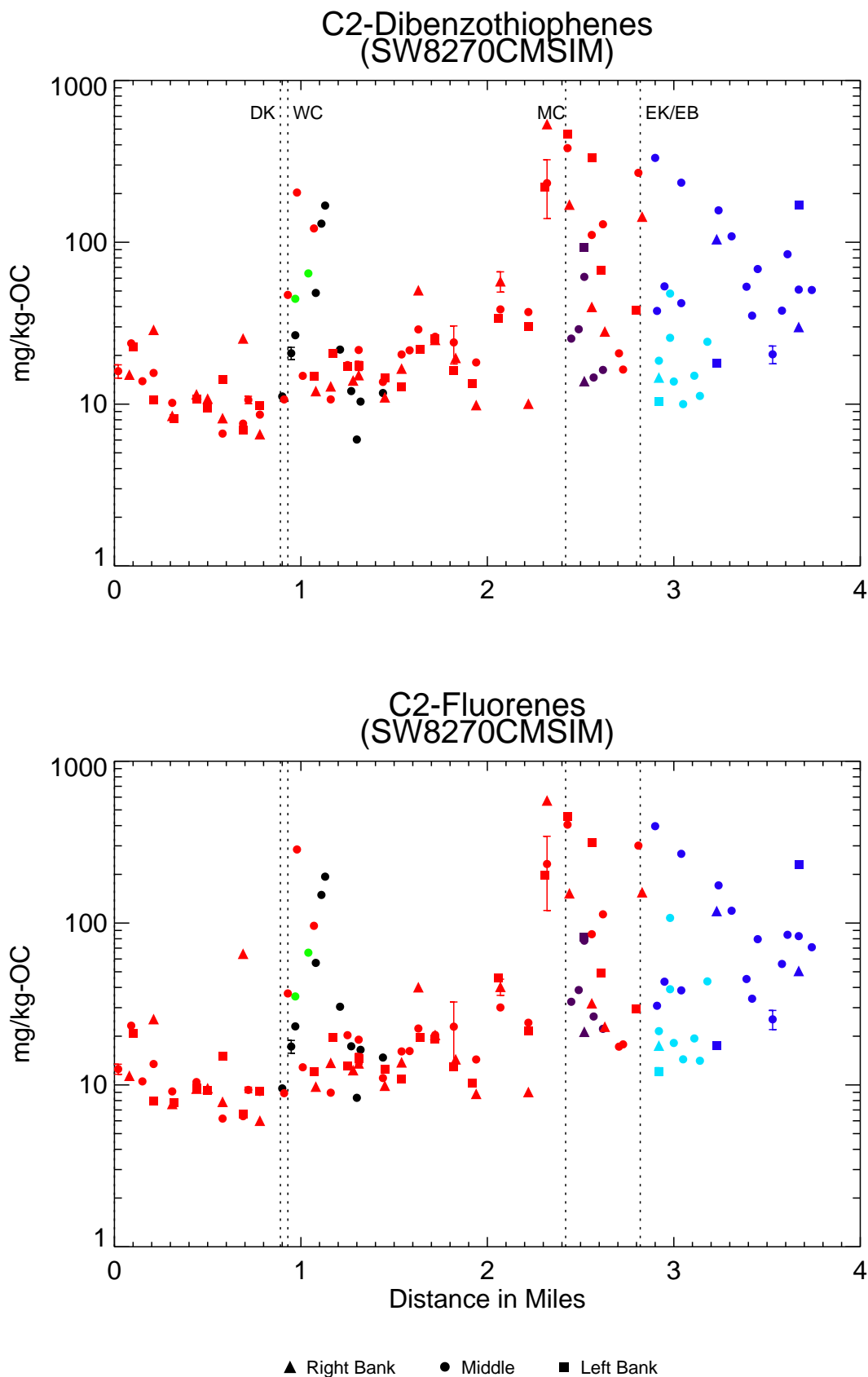
**Figure A4-386**

**Surface Sediment Chemical Data (OC Normal) - 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.*



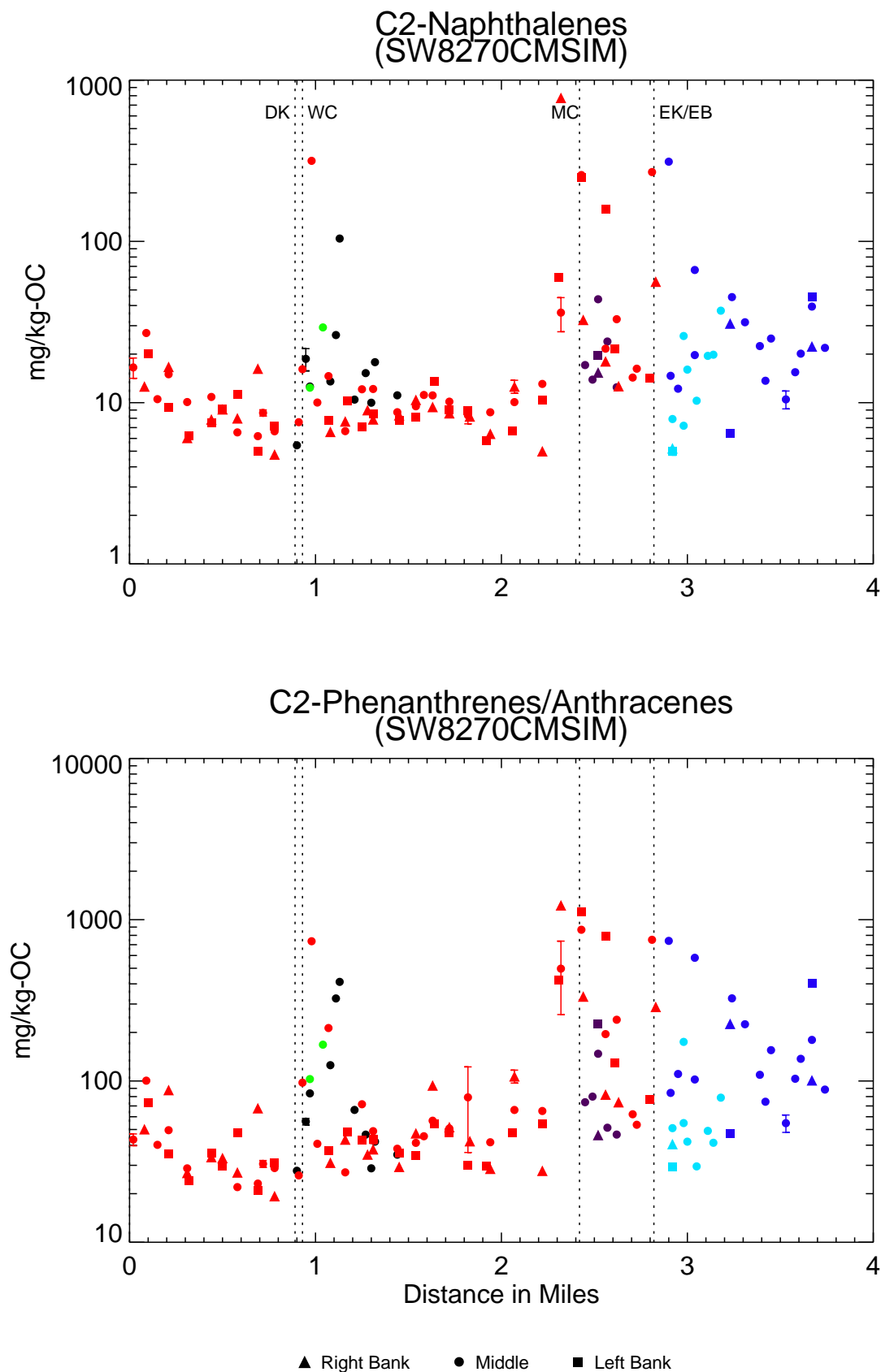
**Figure A4-387**

**Surface Sediment Chemical Data (OC Normal) - 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.*



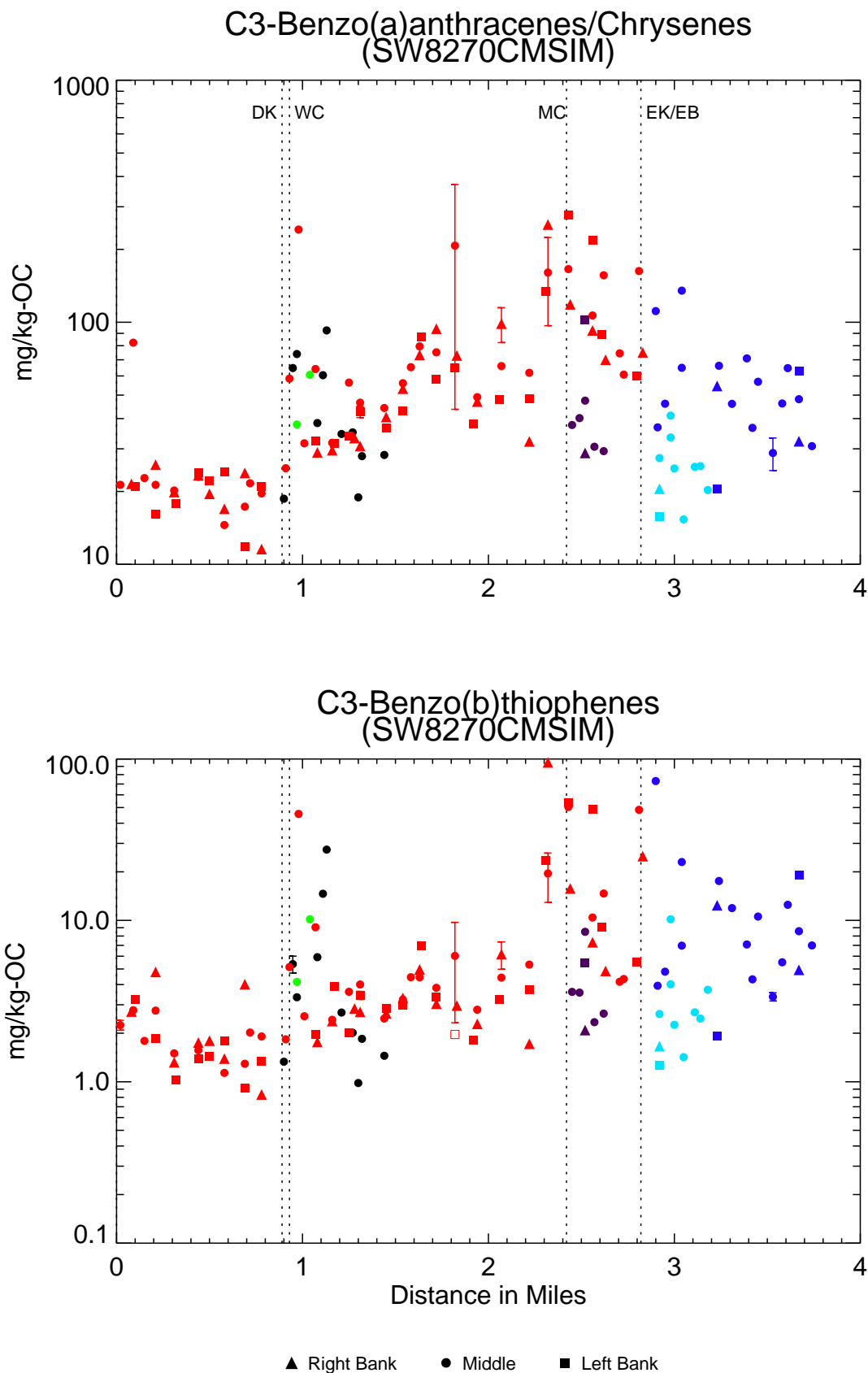
**Figure A4-388**

**Surface Sediment Chemical Data (OC Normal) - 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.*



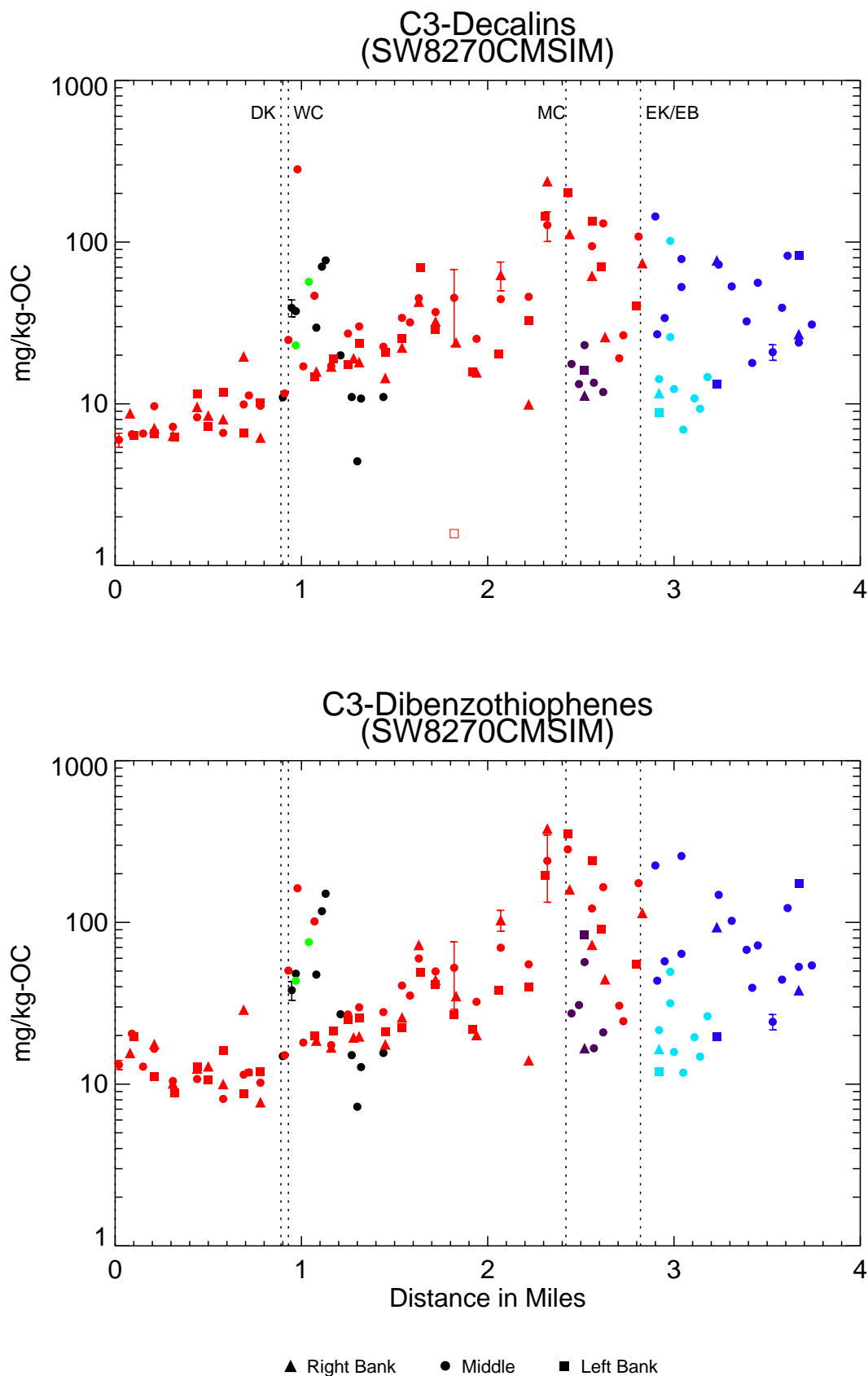
**Figure A4-389**

**Surface Sediment Chemical Data (OC Normal) - 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.*



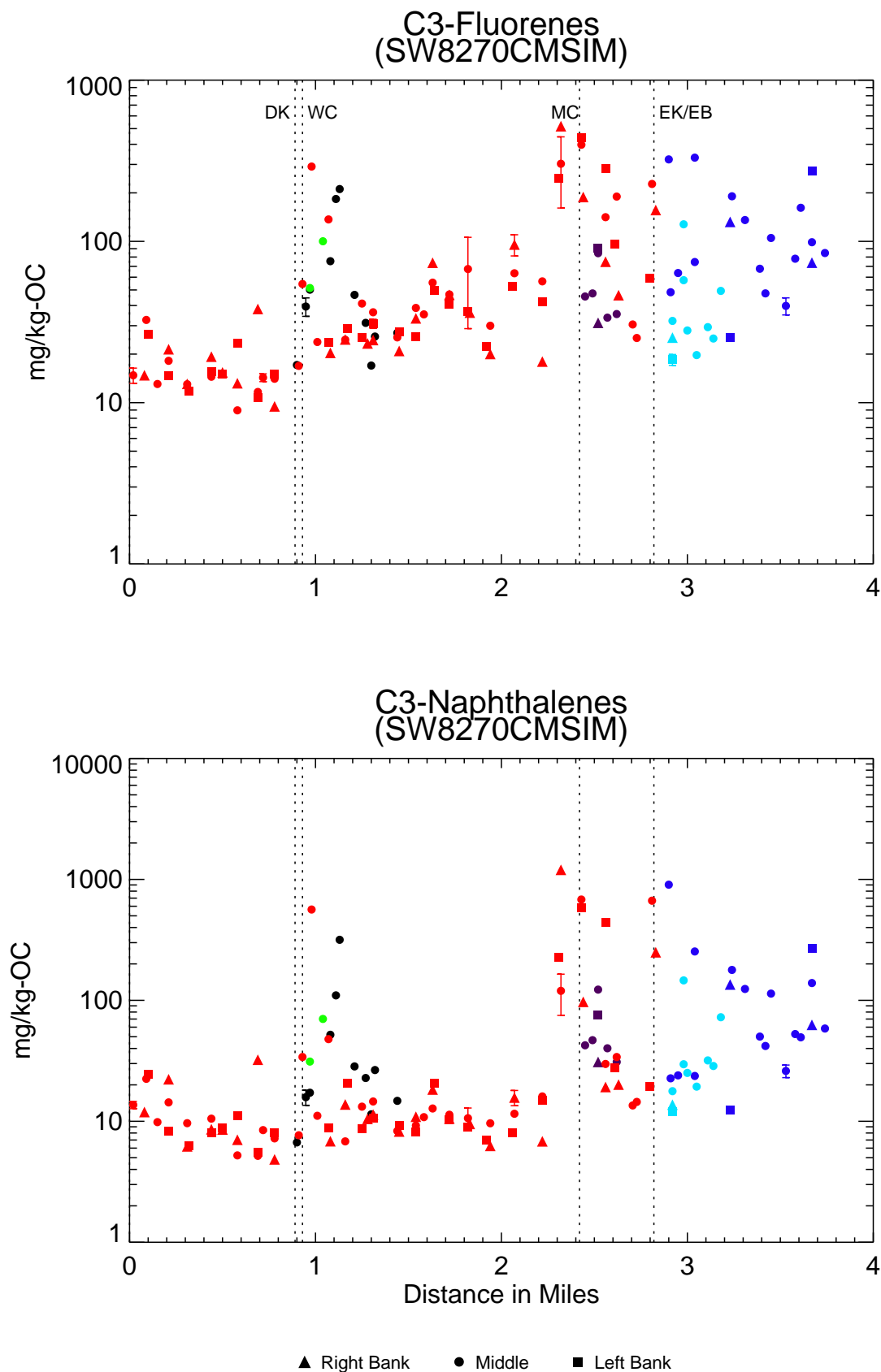
**Figure A4-390**

Surface Sediment Chemical Data (OC Normal) - 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 A4-391**

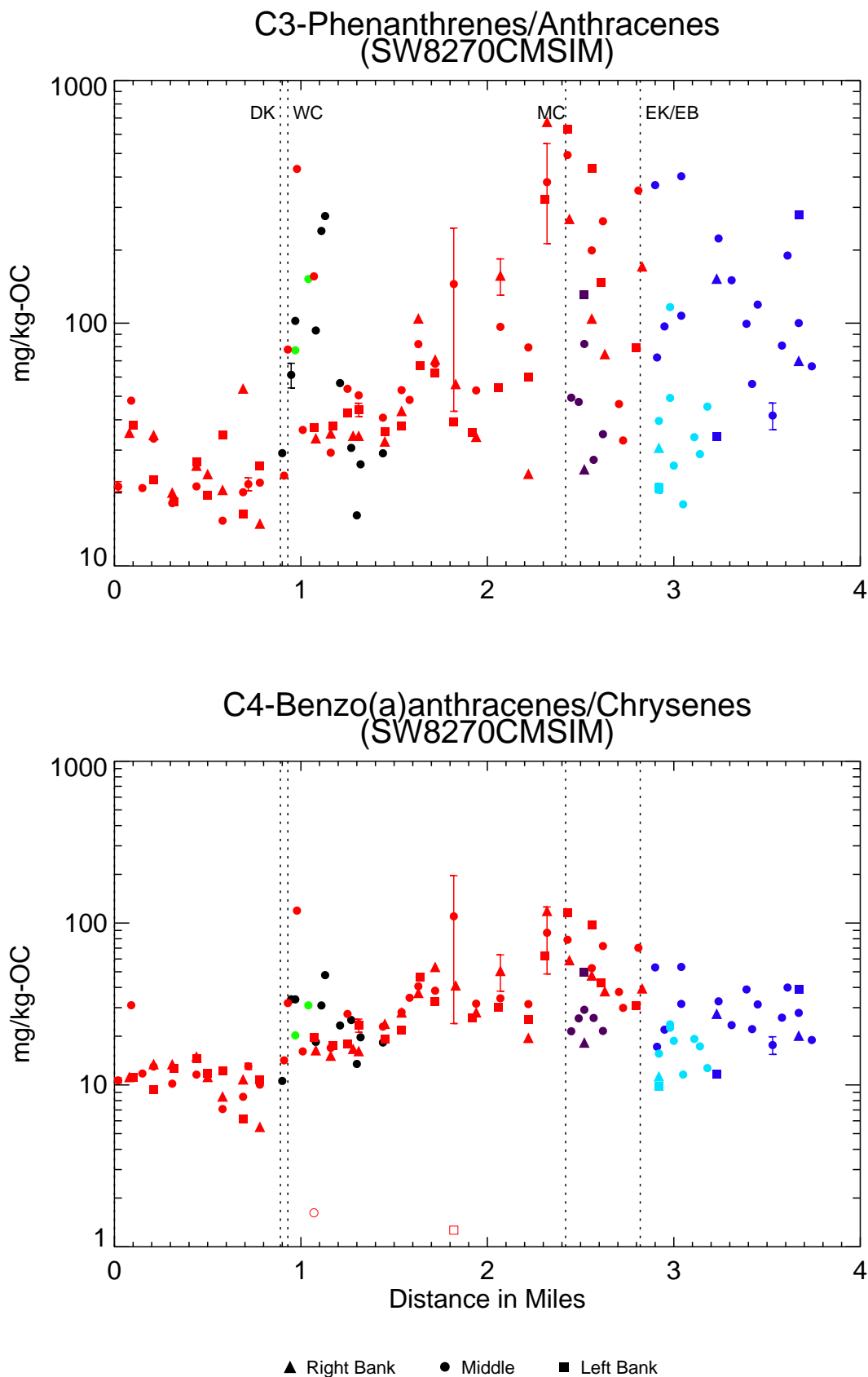
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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.*



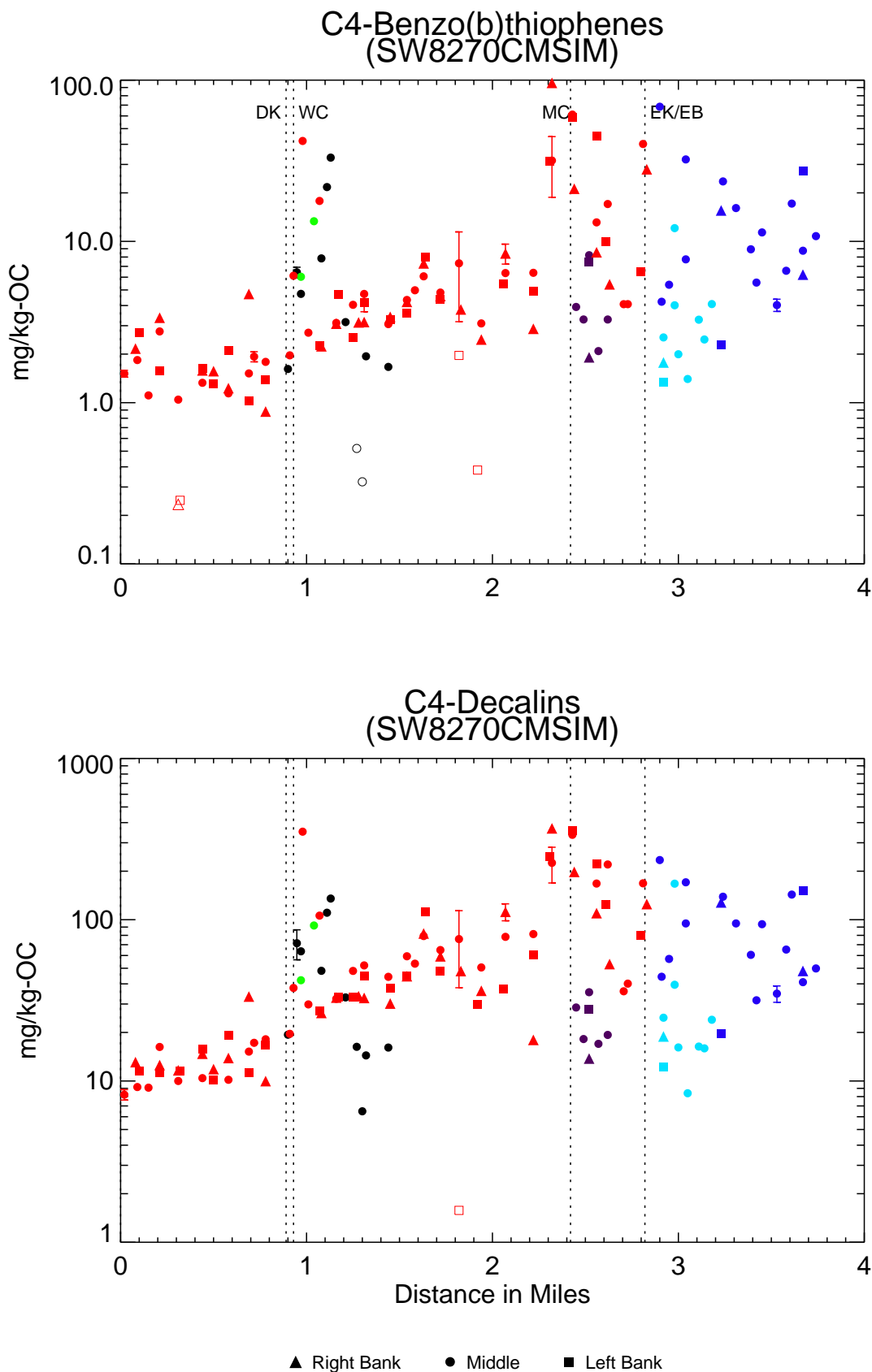
**Figure A4-392**

**Surface Sediment Chemical Data (OC Normal) - 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.*



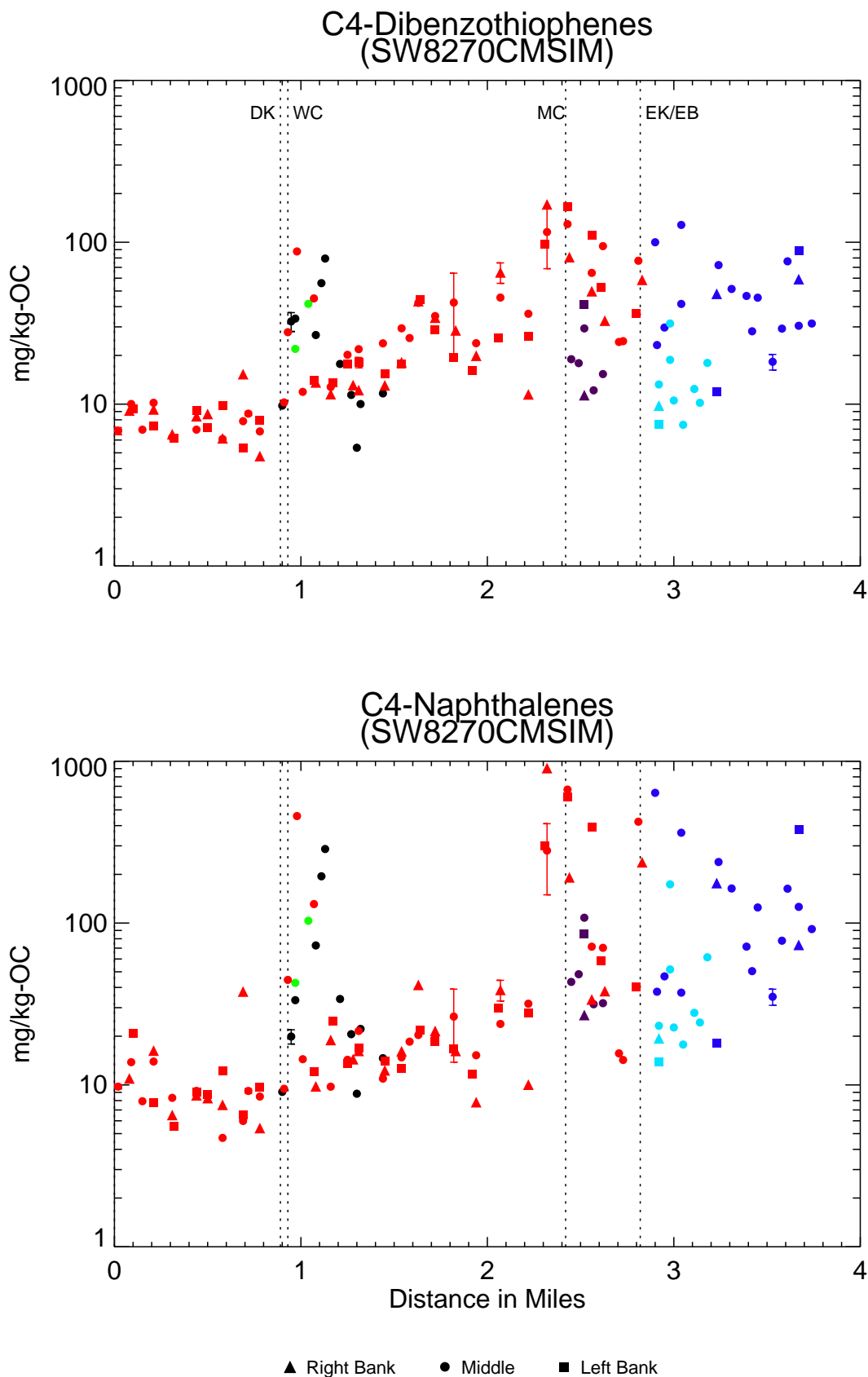
**Figure A4-393**

**Surface Sediment Chemical Data (OC Normal) - 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.*



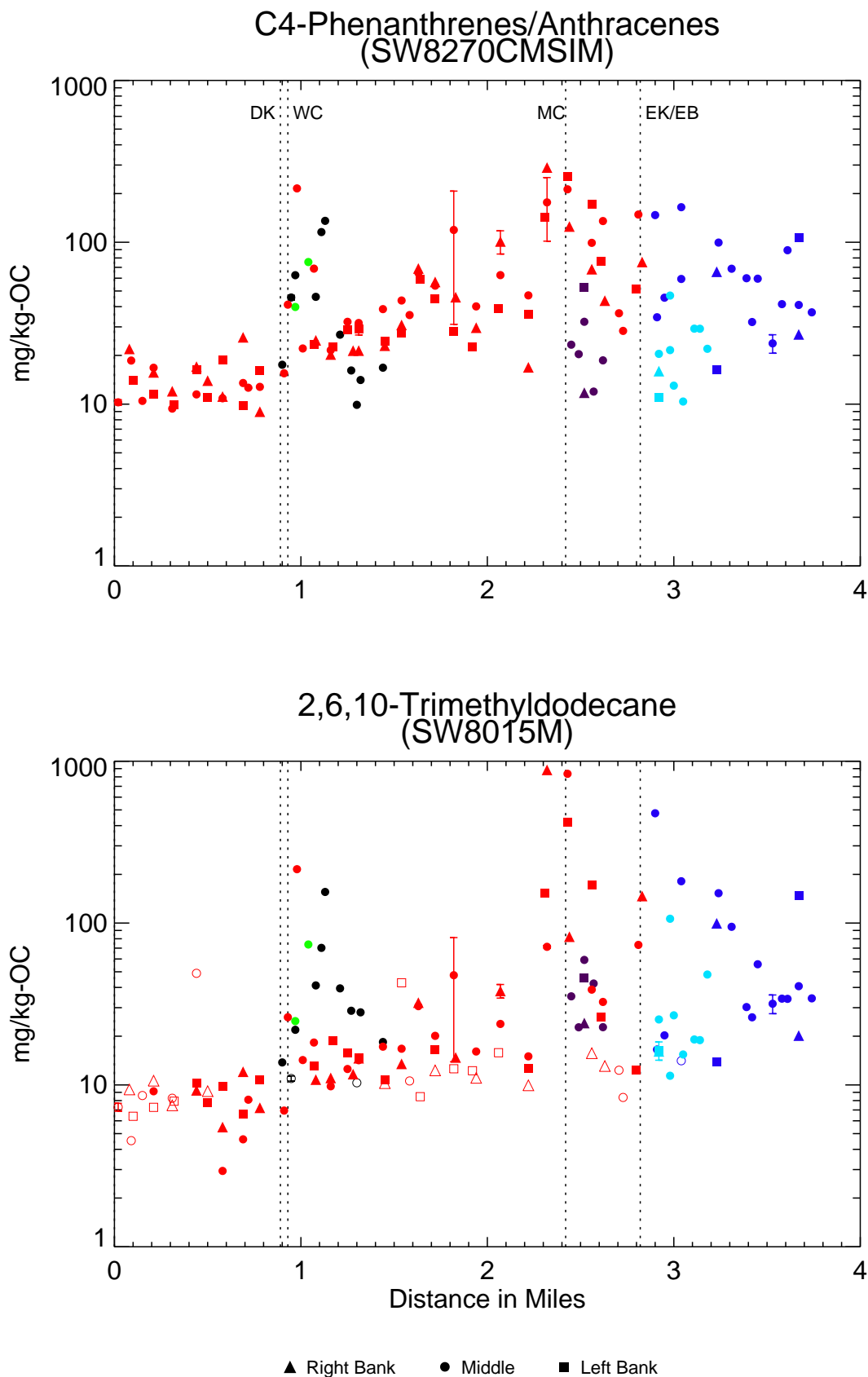
**Figure A4-394**

Surface Sediment Chemical Data (OC Normal) - 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.*



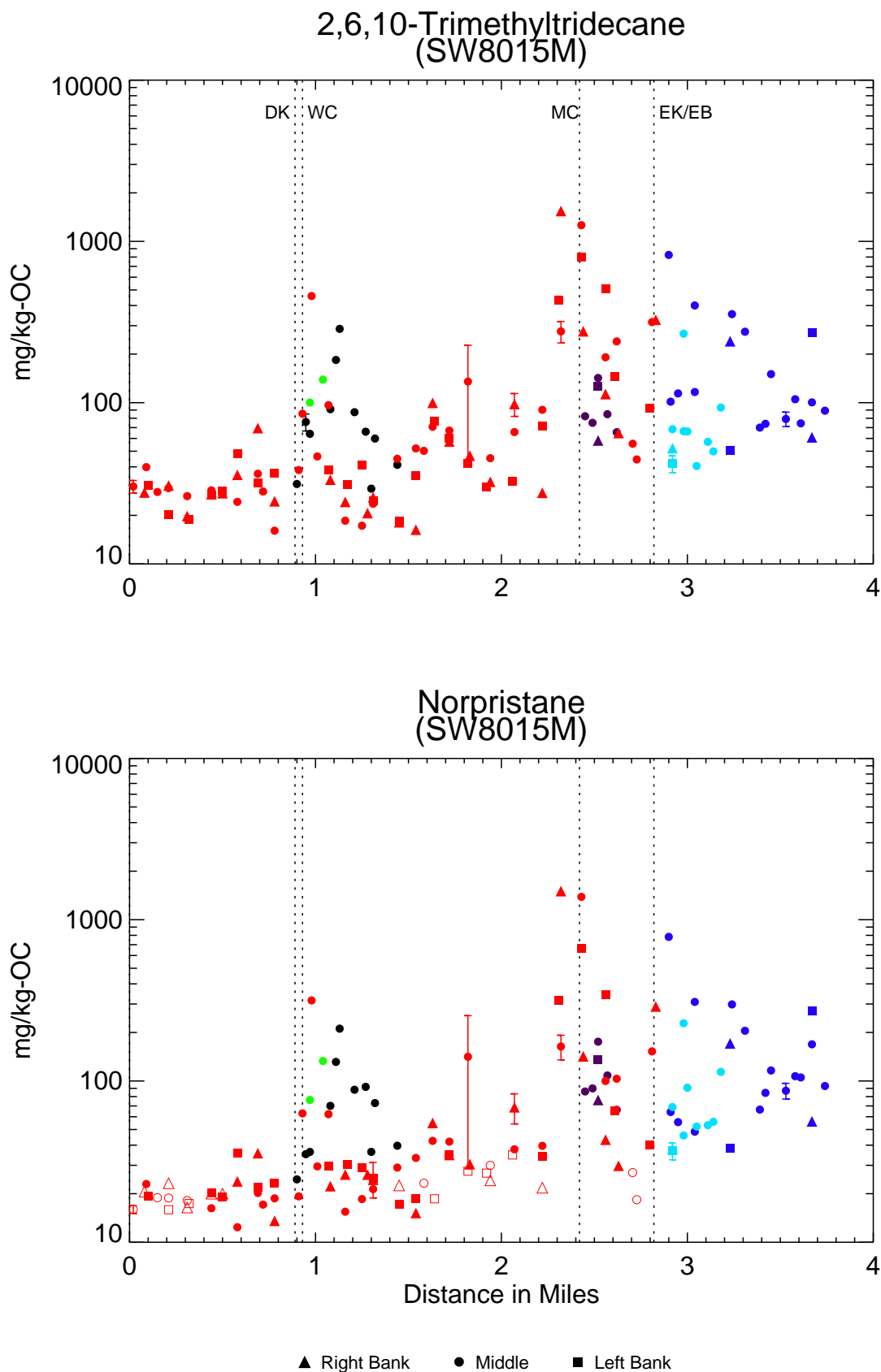
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)



- 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 A4-395**  
**Surface Sediment Chemical Data (OC Normal) - 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.*

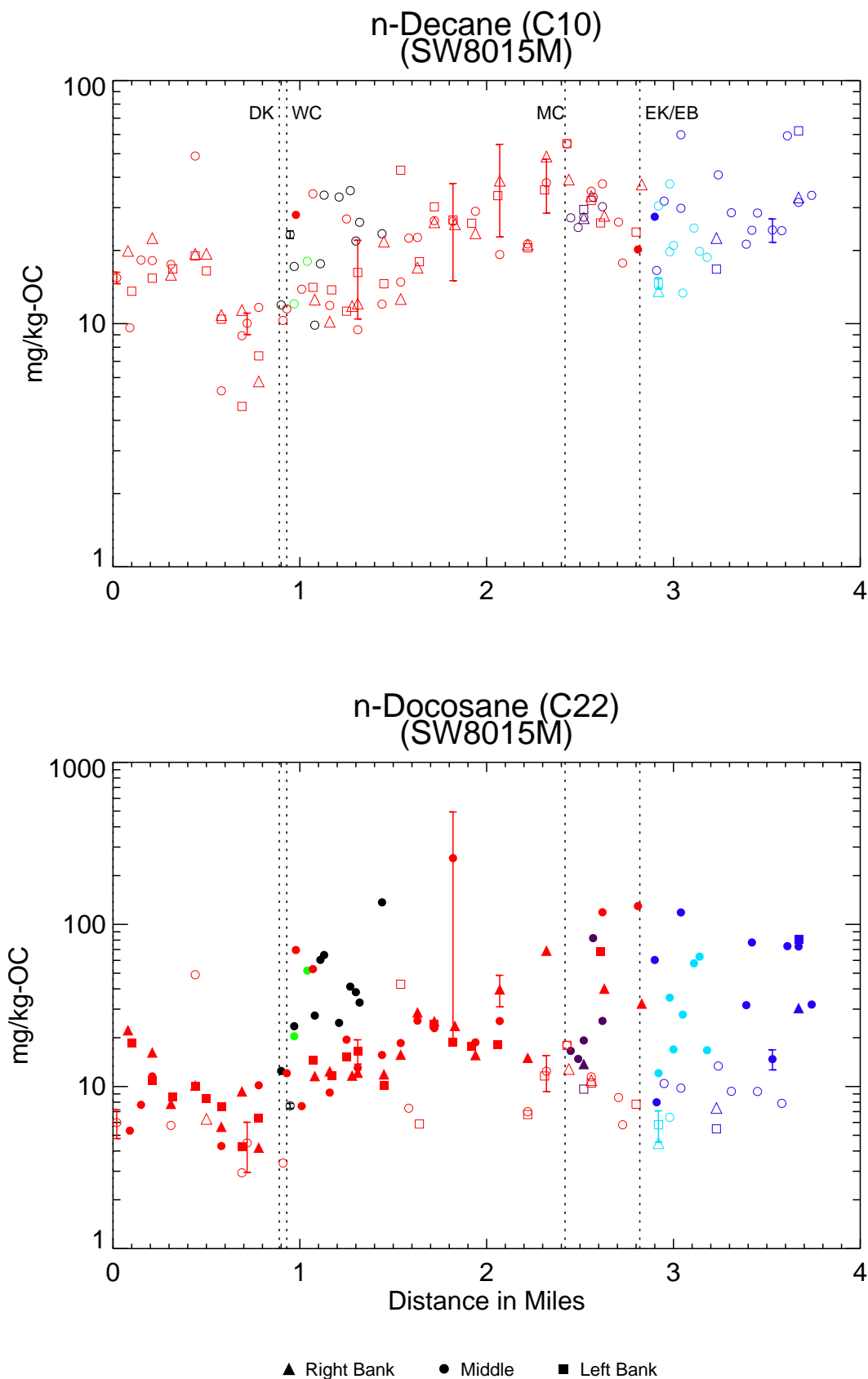
**Figure A4-396**

**Surface Sediment Chemical Data (OC Normal) - 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.*

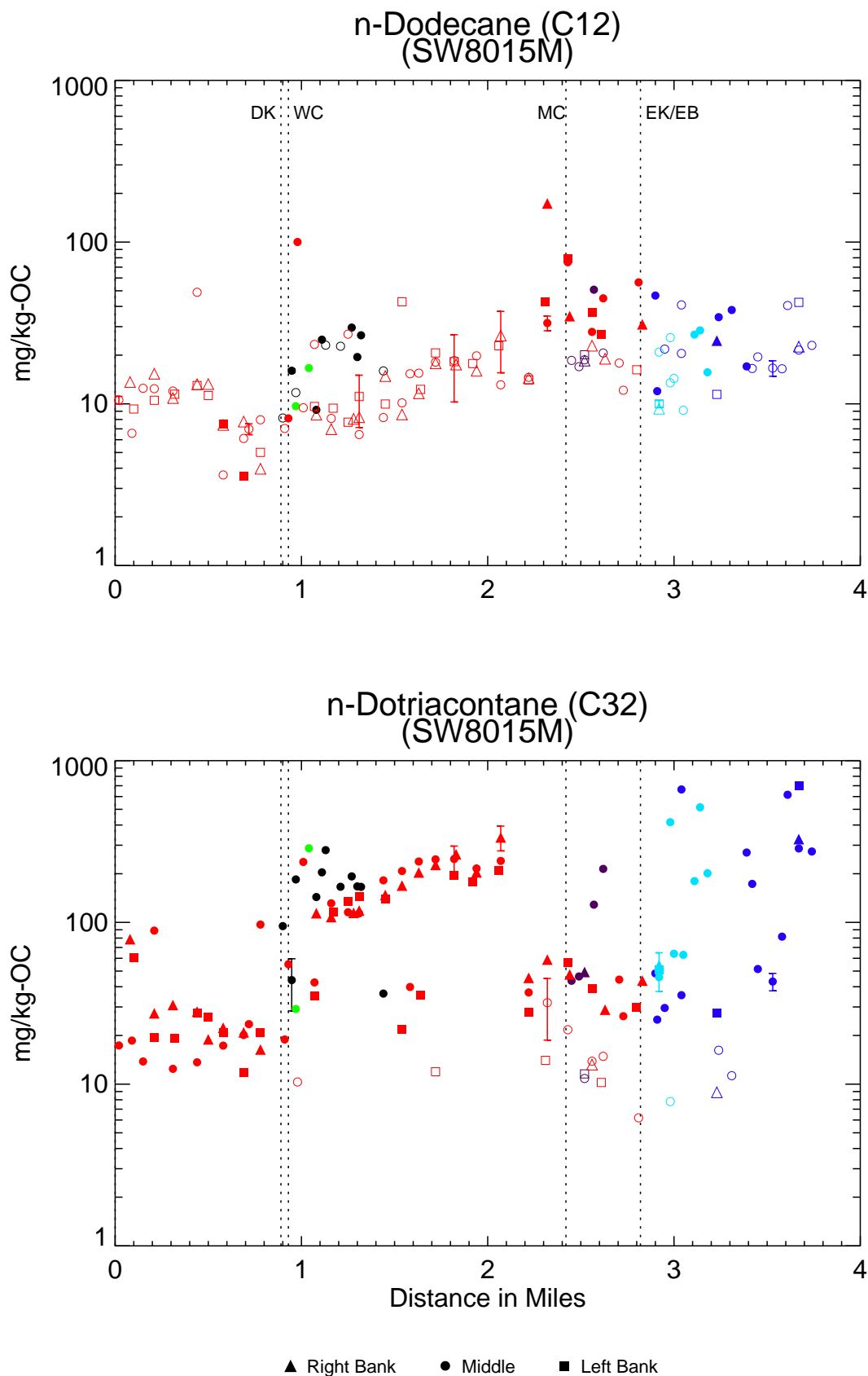
**Figure A4-397**

**Surface Sediment Chemical Data (OC Normal) - 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.*

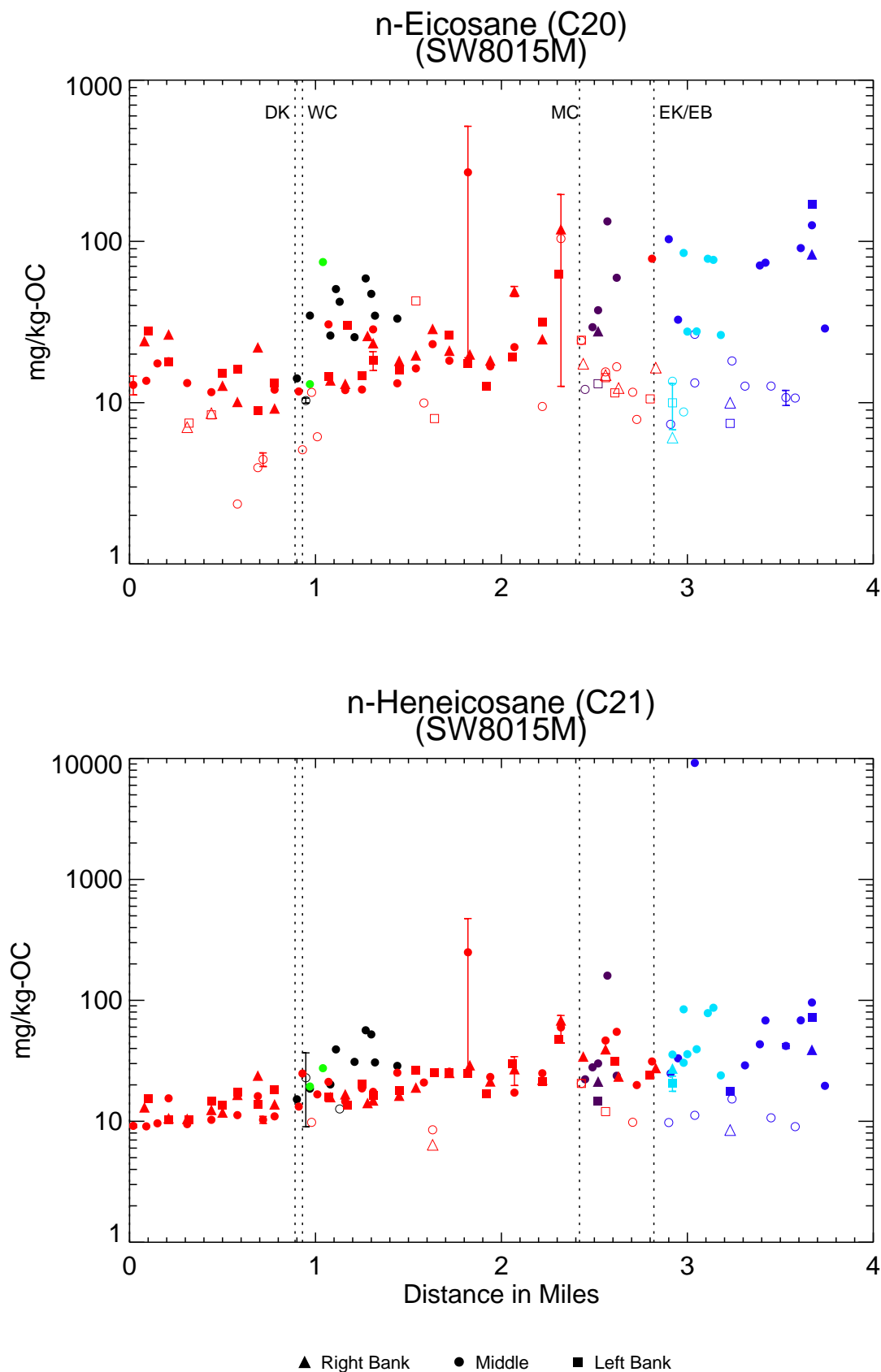
**Figure A4-398**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-399**

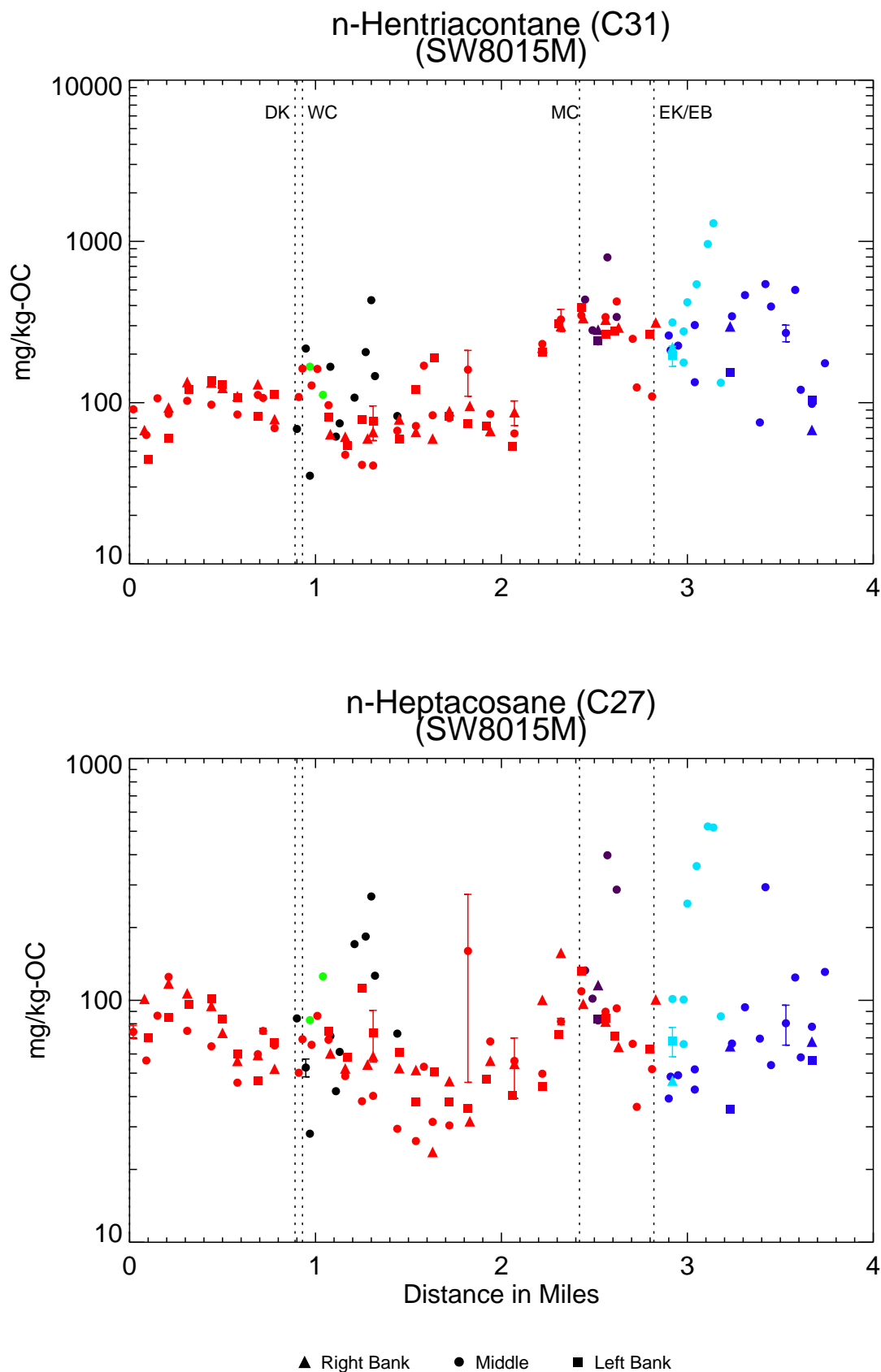
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





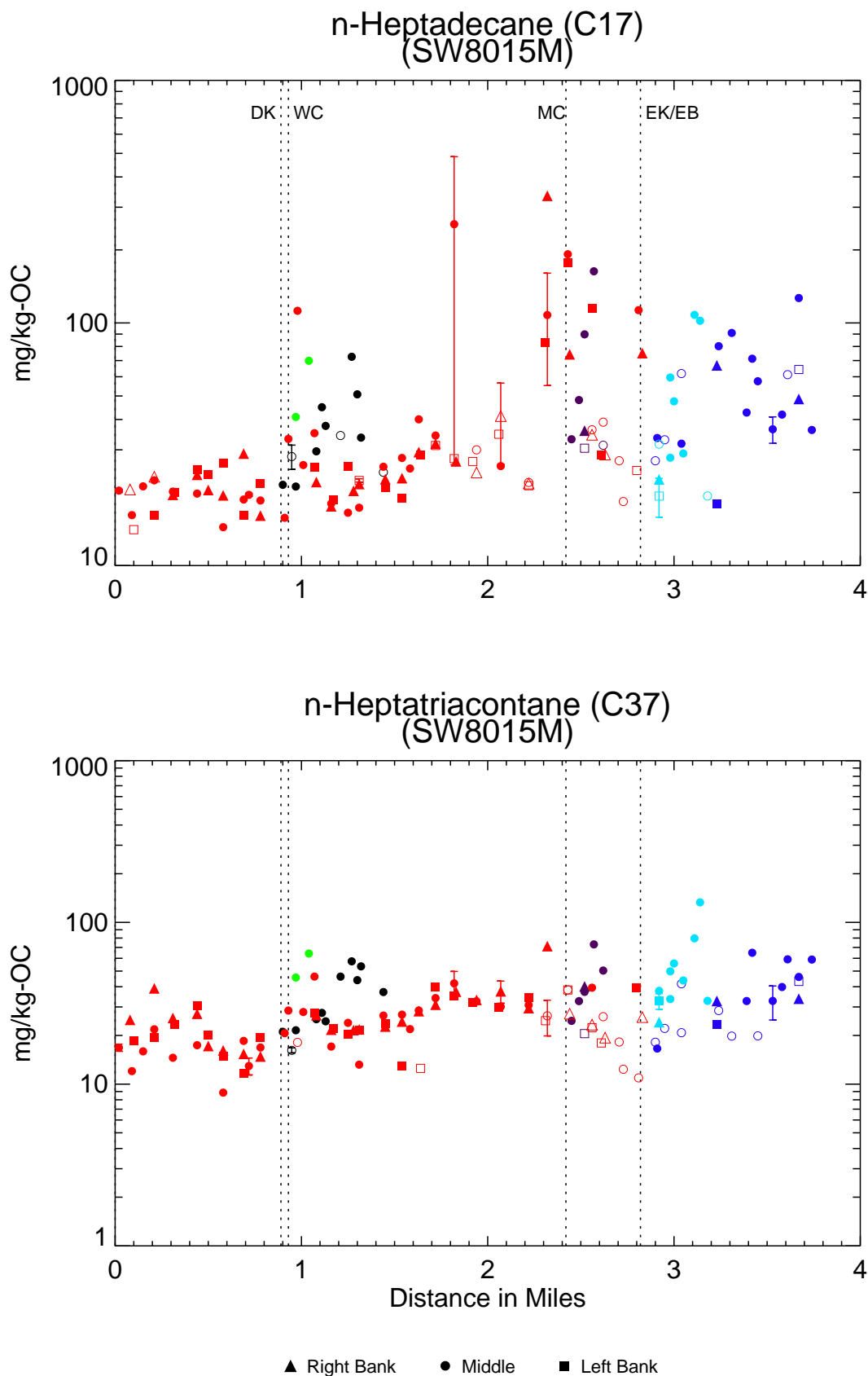
**Figure A4-400**

**Surface Sediment Chemical Data (OC Normal) - 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.*



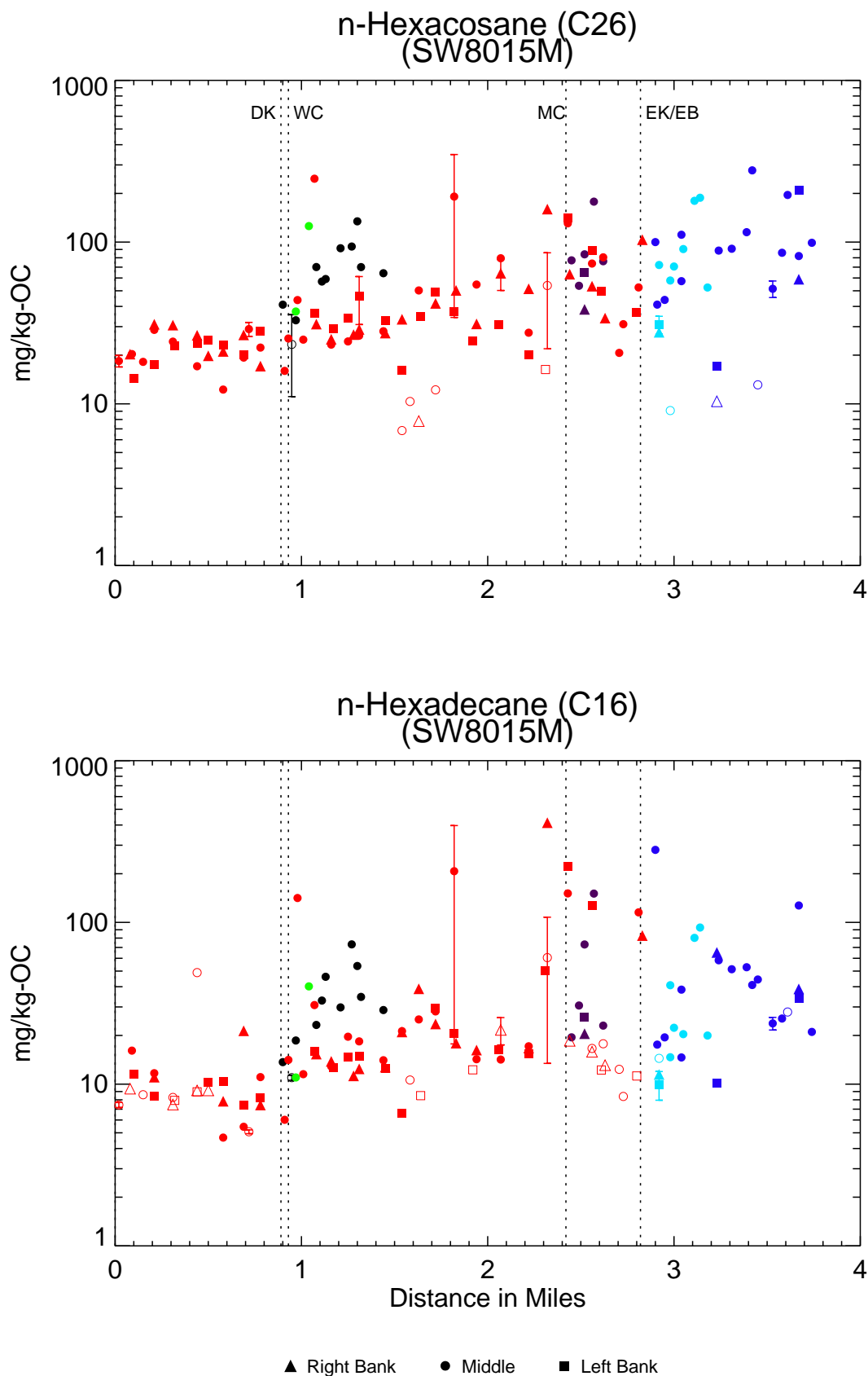
**Figure A4-401**

**Surface Sediment Chemical Data (OC Normal) - 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.*



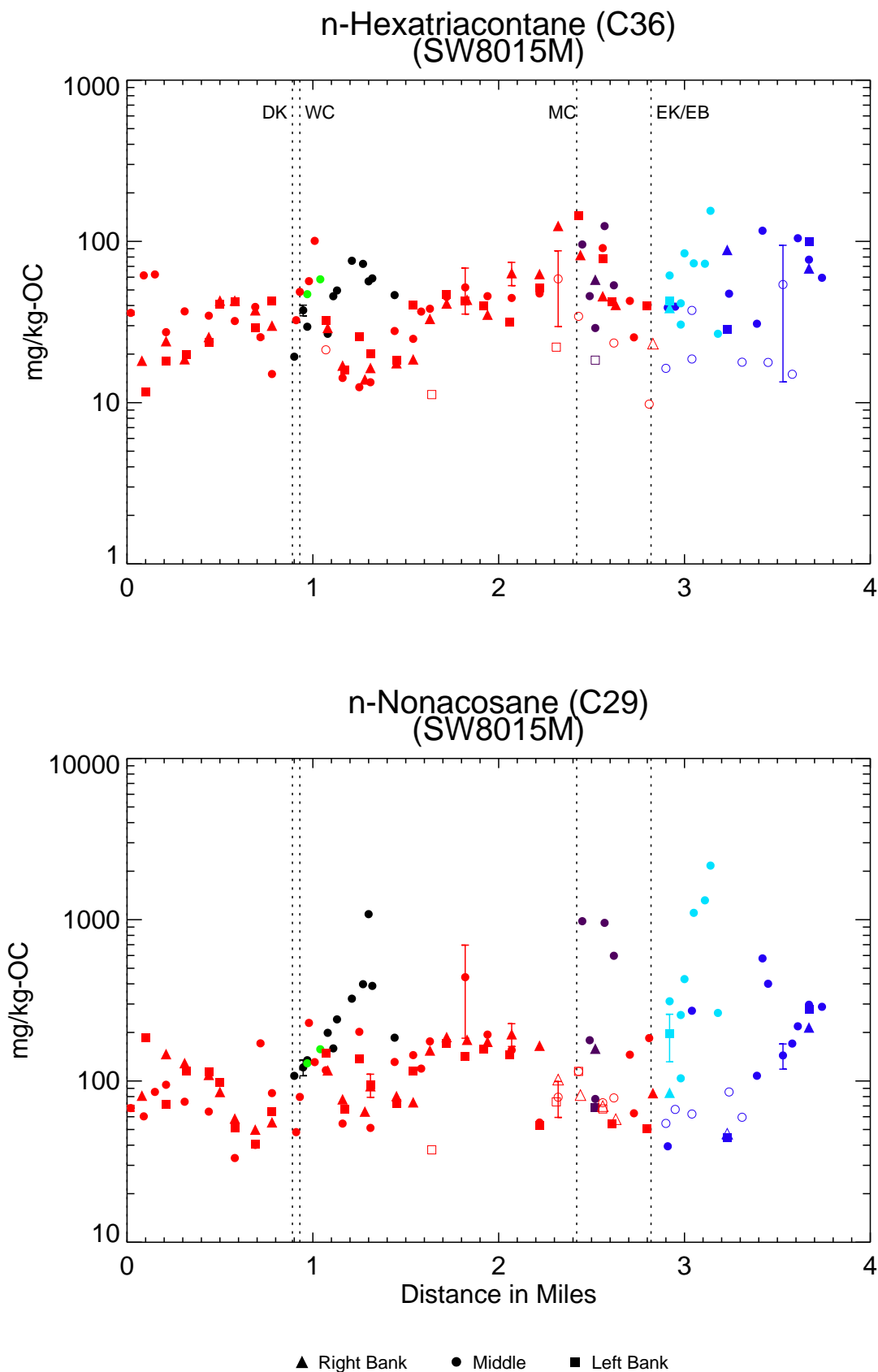
**Figure A4-402**

Surface Sediment Chemical Data (OC Normal) - 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.*



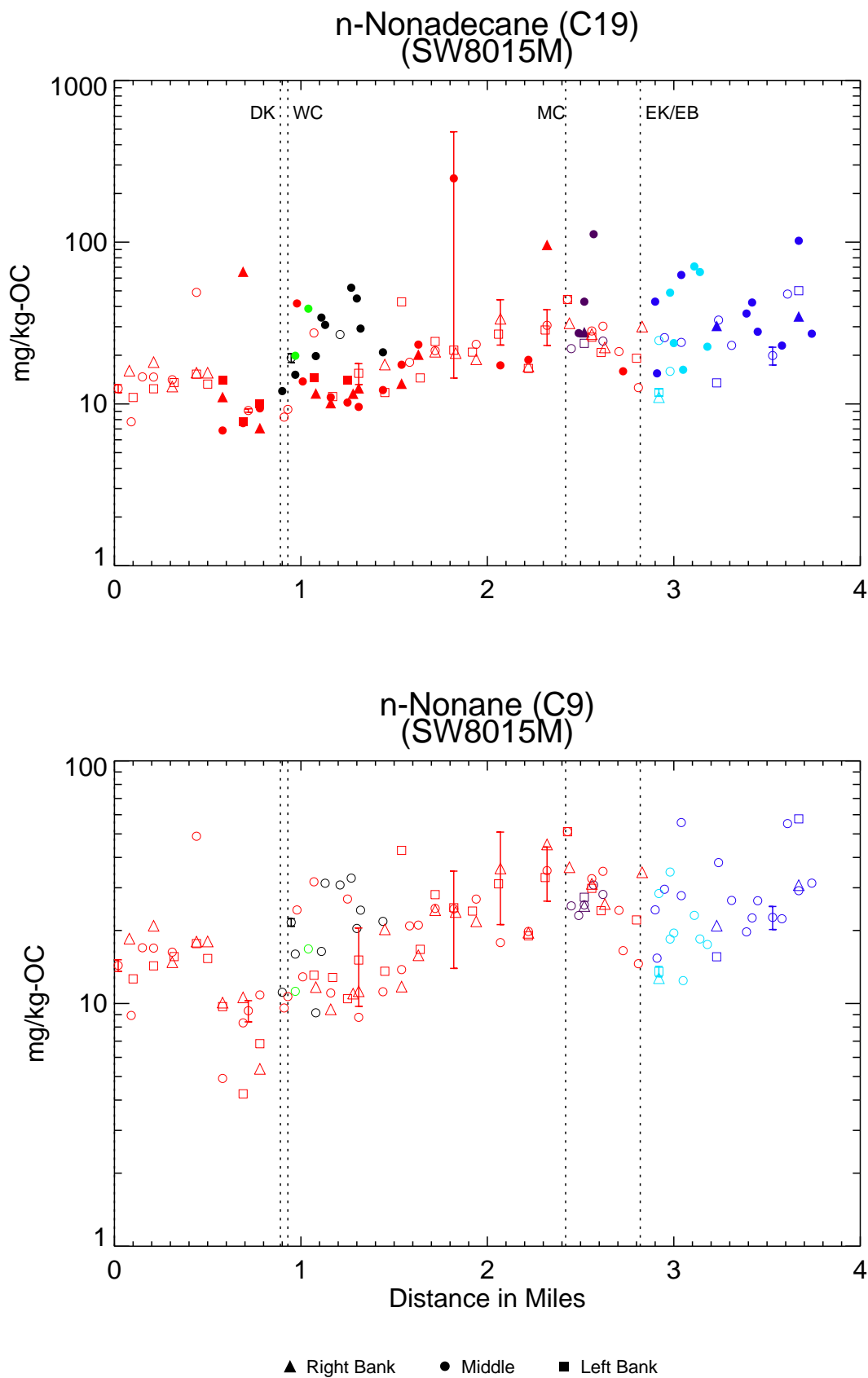
**Figure A4-403**

Surface Sediment Chemical Data (OC Normal) - 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.*

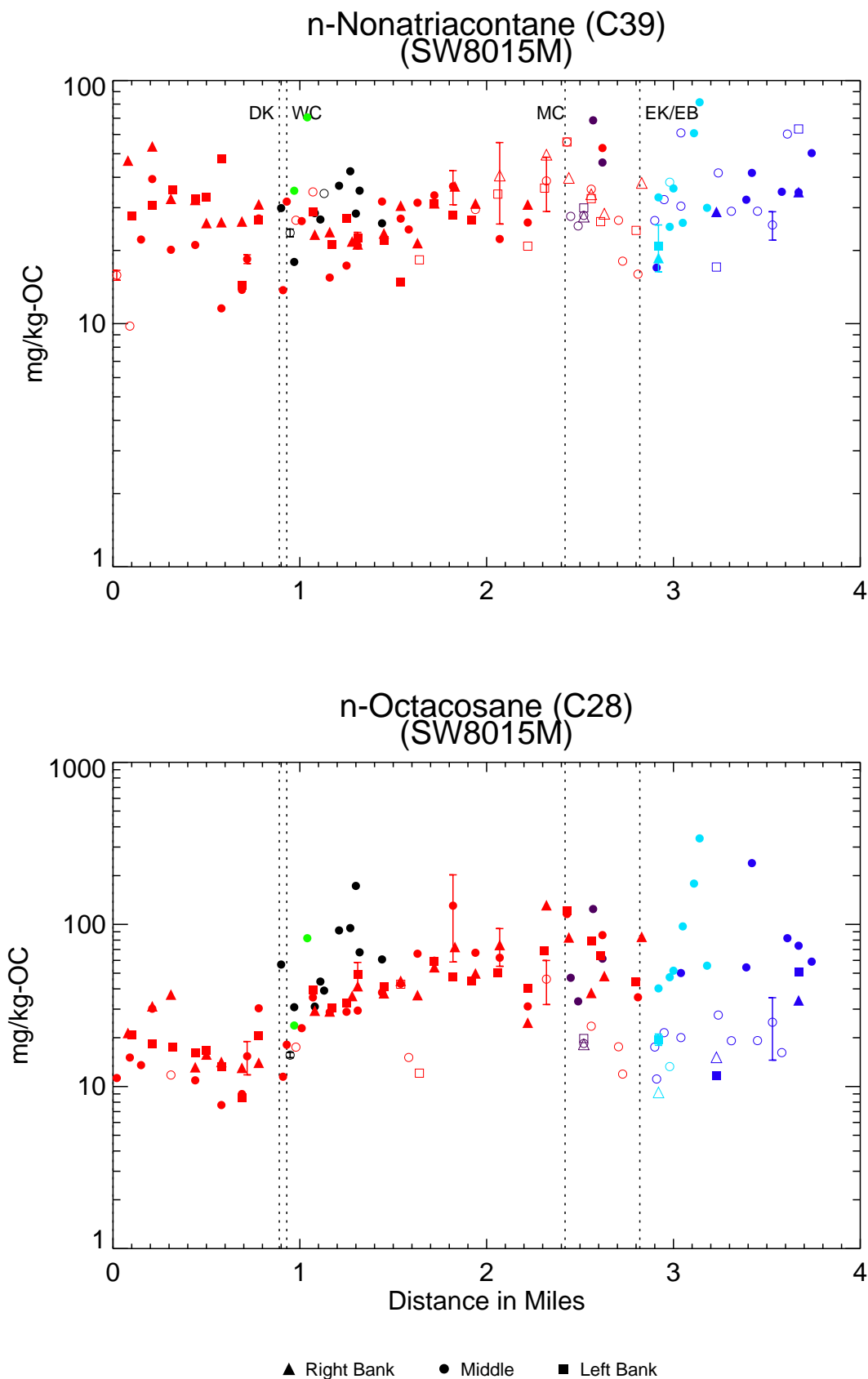
**Figure A4-404**

**Surface Sediment Chemical Data (OC Normal) - 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.*

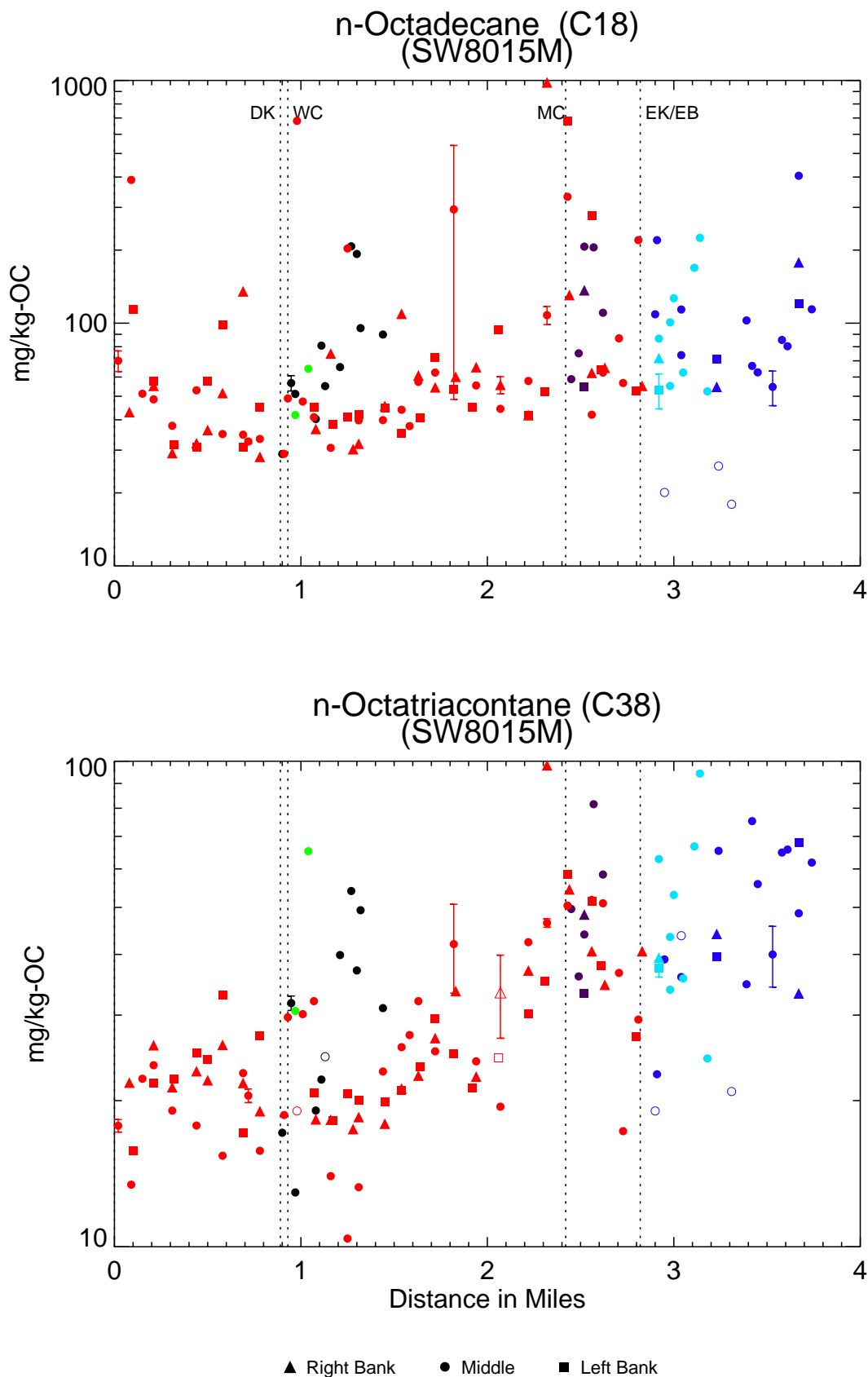
**Figure A4-405**

**Surface Sediment Chemical Data (OC Normal) - 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.*



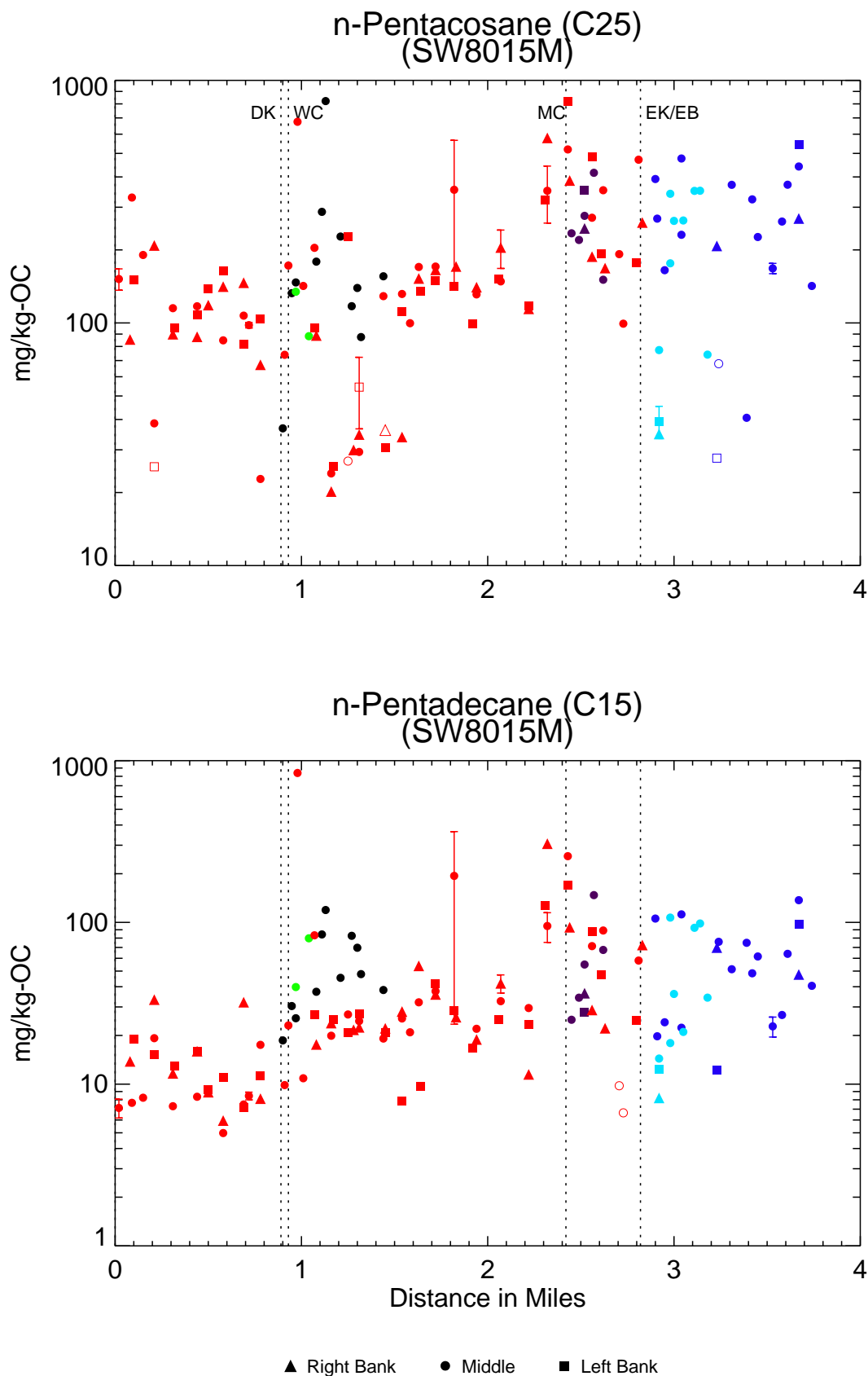
**Figure A4-406**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-407**

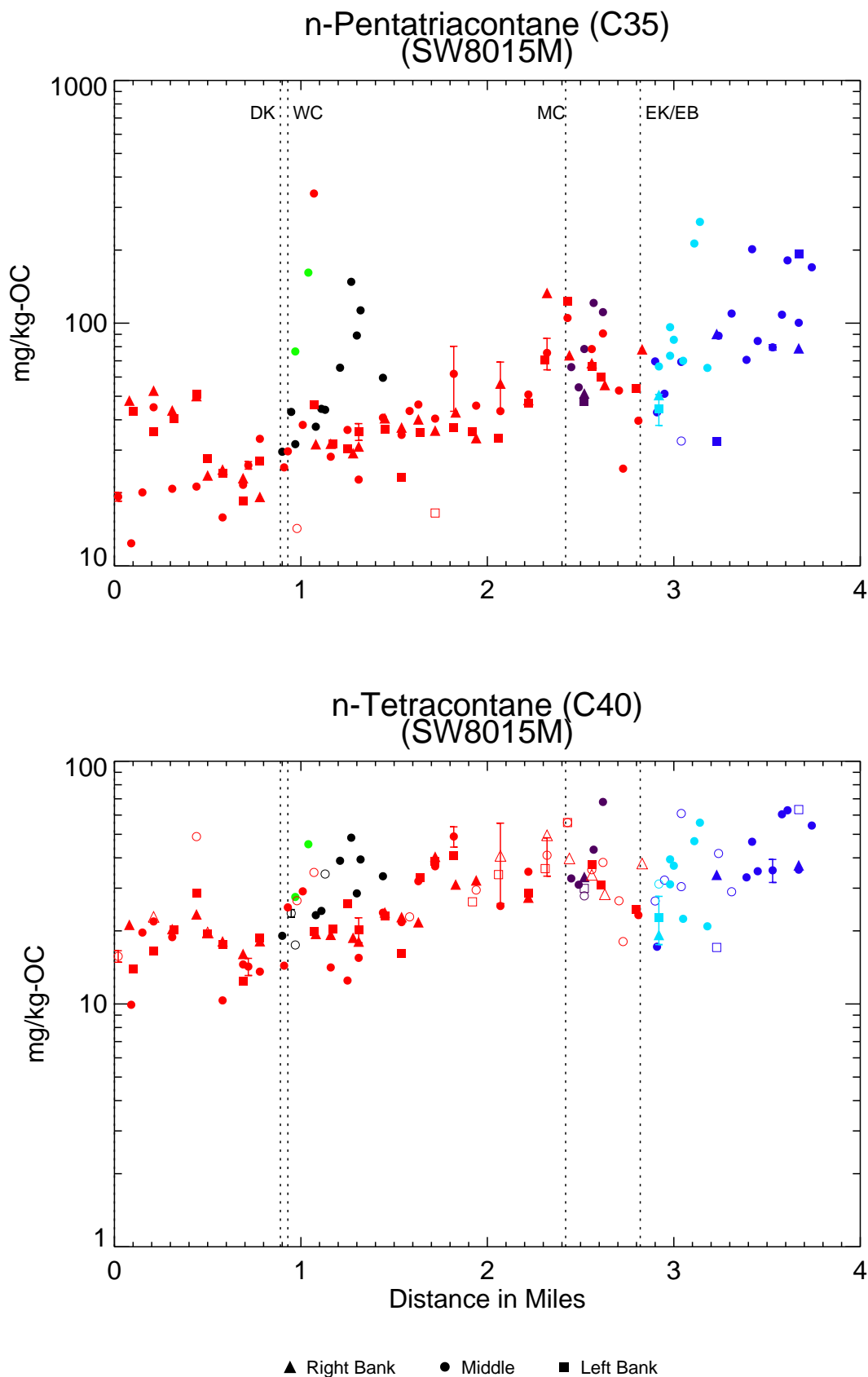
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

*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)



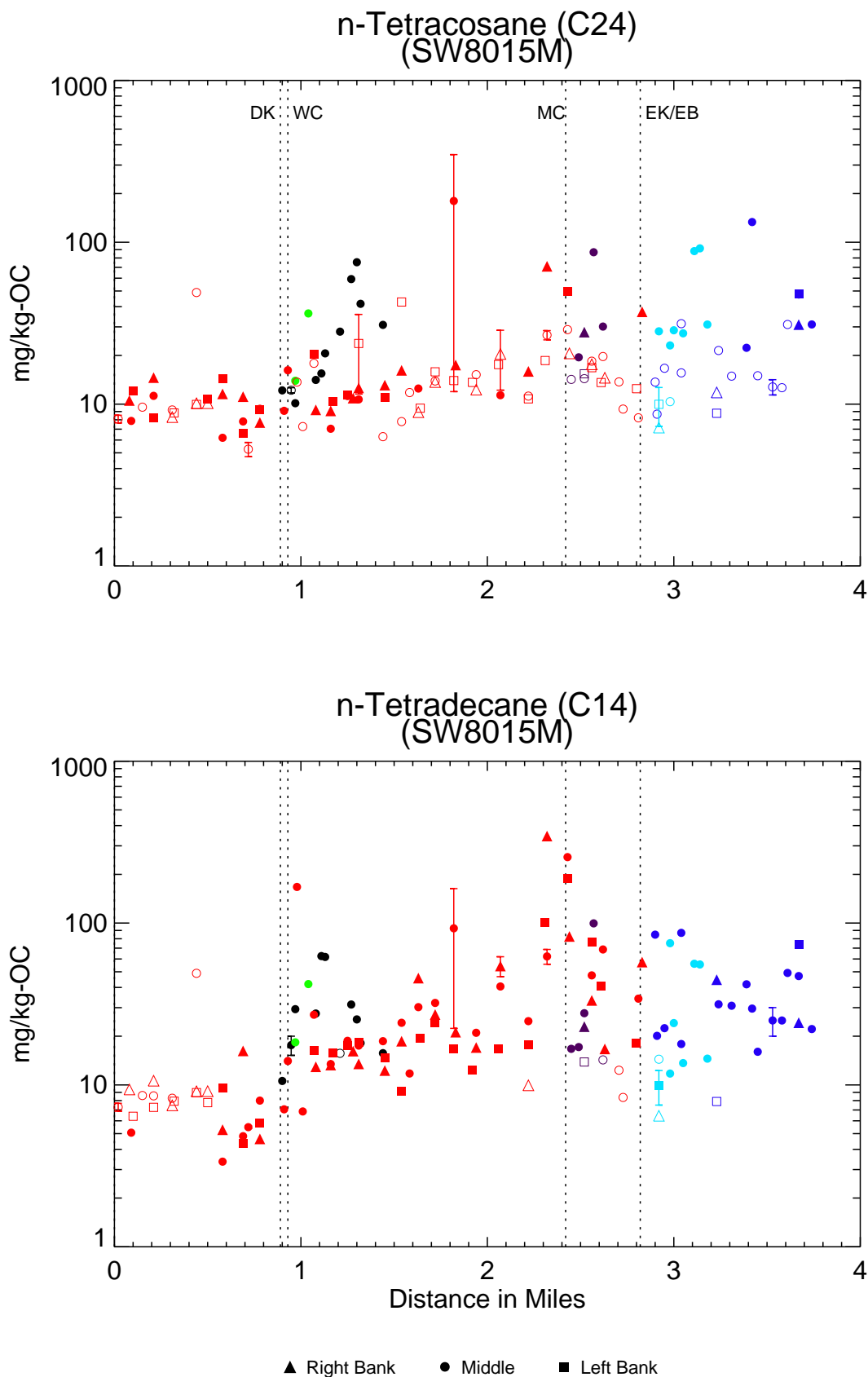
**Figure A4-408**

**Surface Sediment Chemical Data (OC Normal) - 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.*



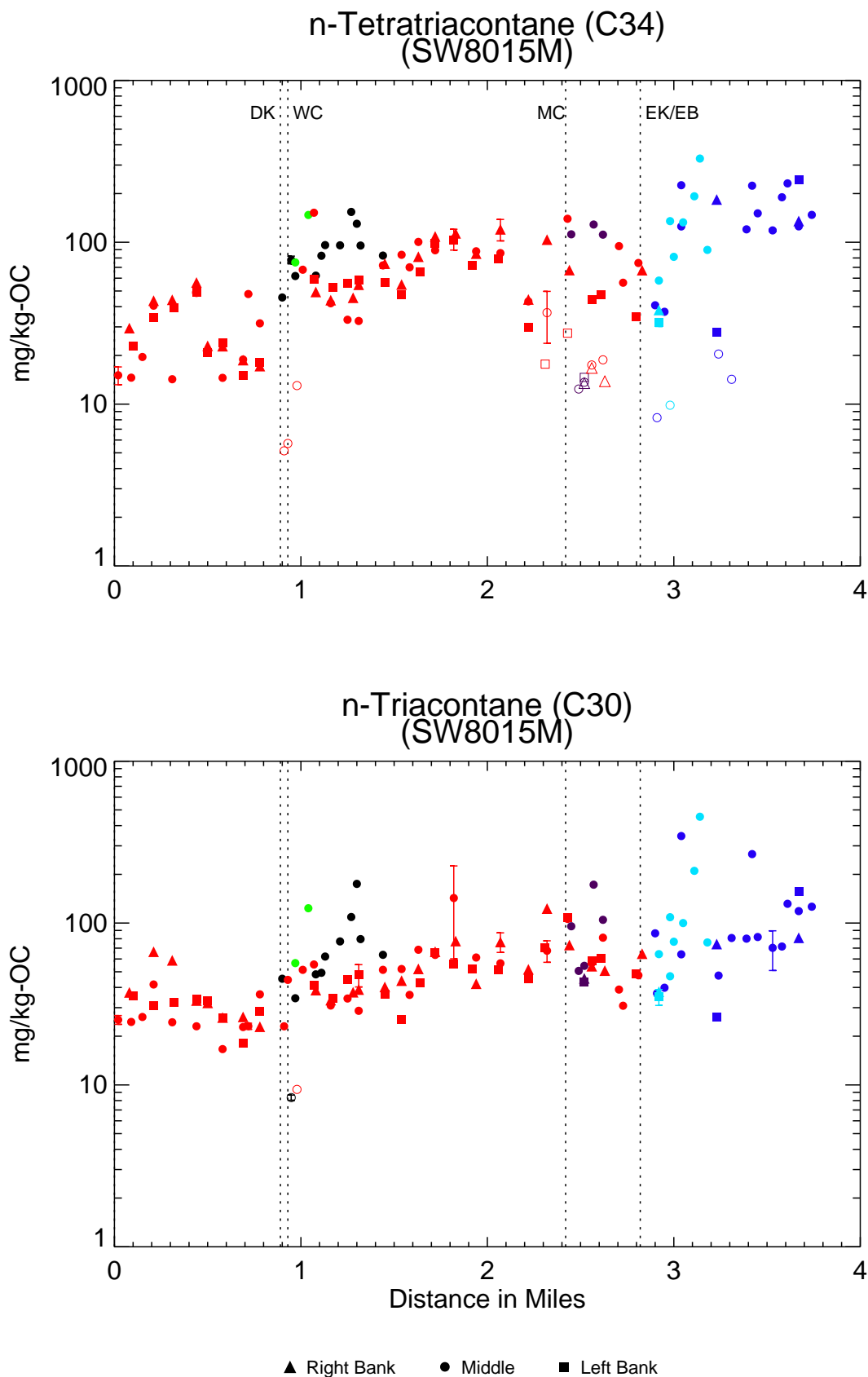
**Figure A4-409**

**Surface Sediment Chemical Data (OC Normal) - 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.*



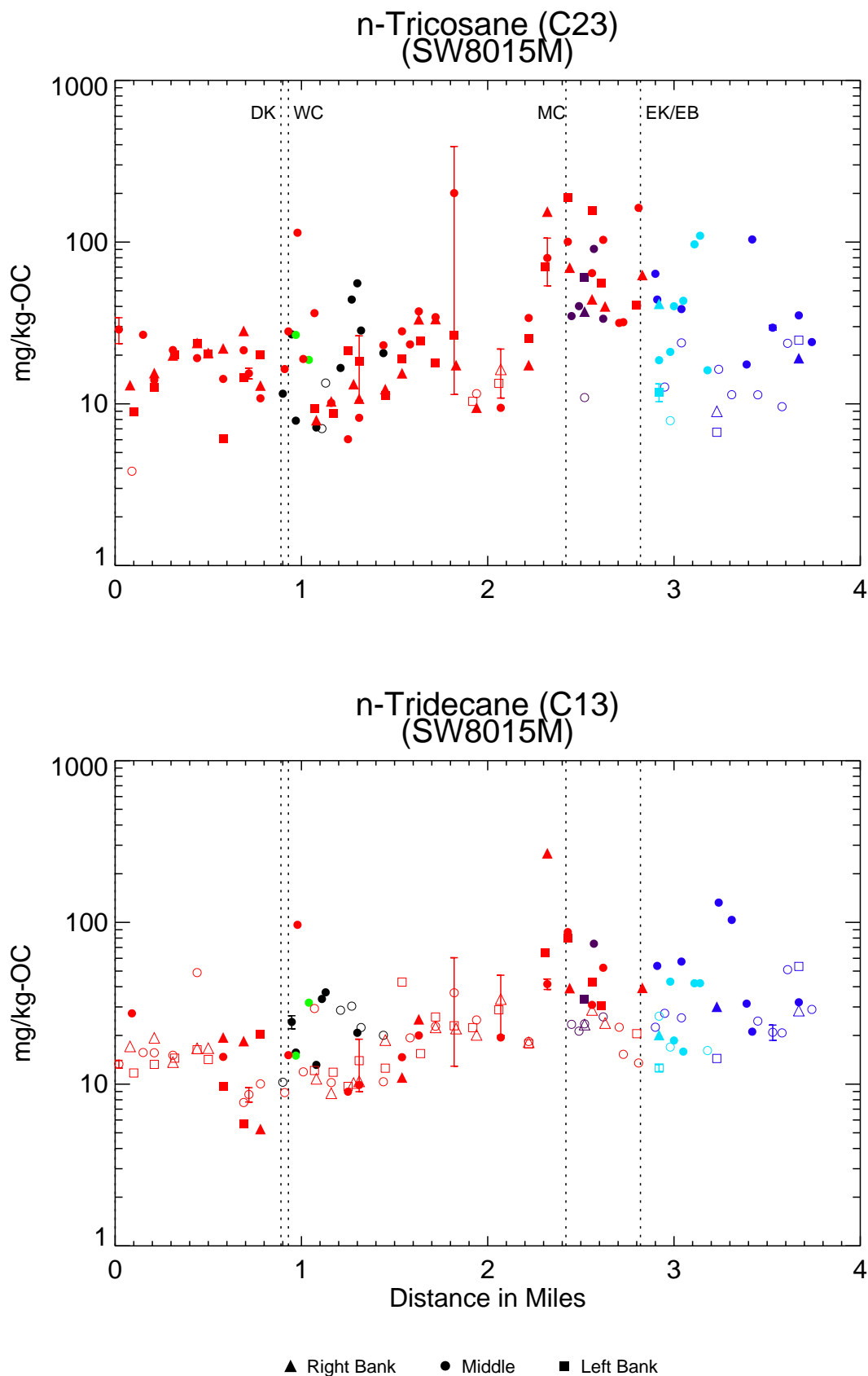
**Figure A4-410**

**Surface Sediment Chemical Data (OC Normal) - 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.*



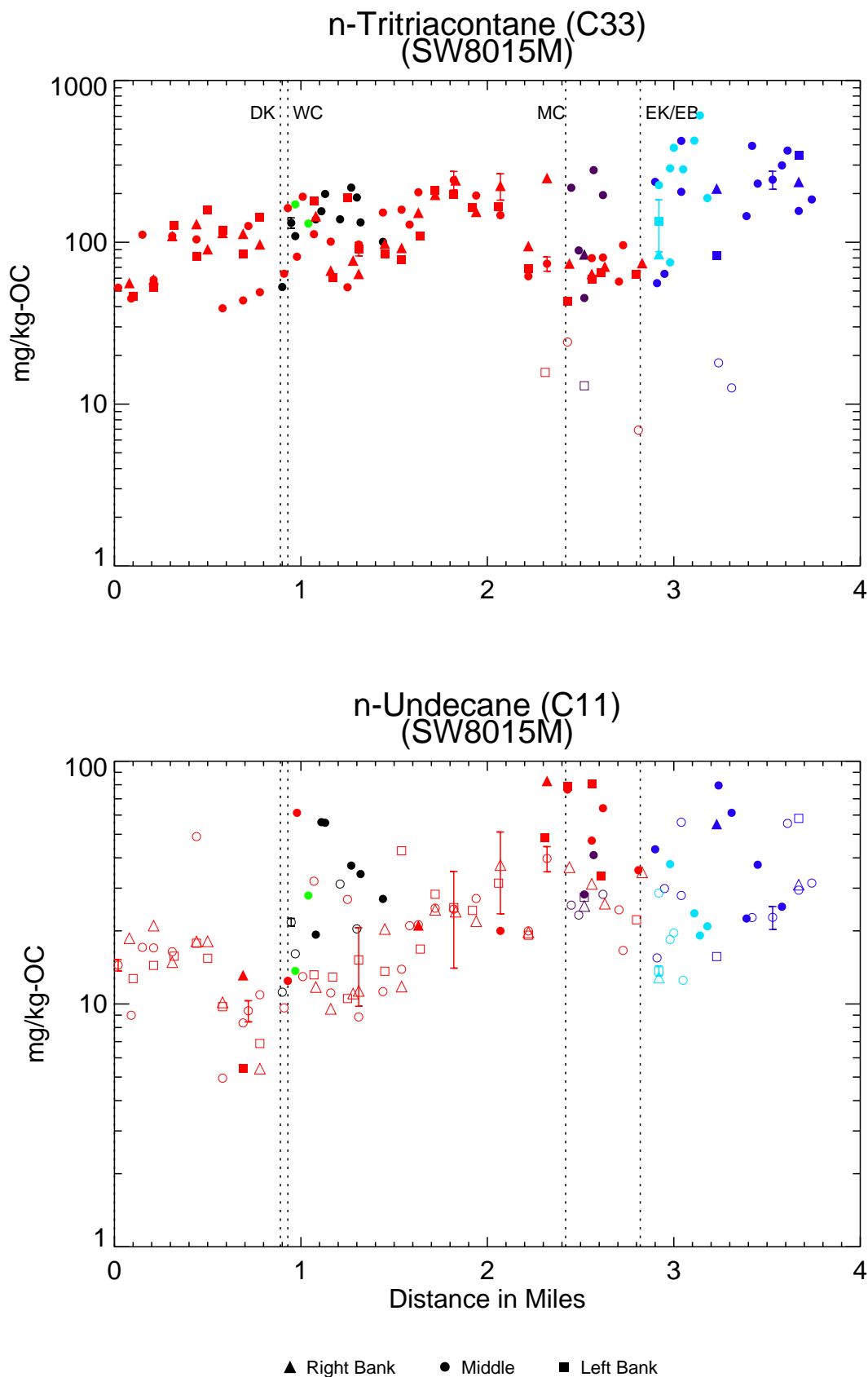
**Figure A4-411**

**Surface Sediment Chemical Data (OC Normal) - 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.*



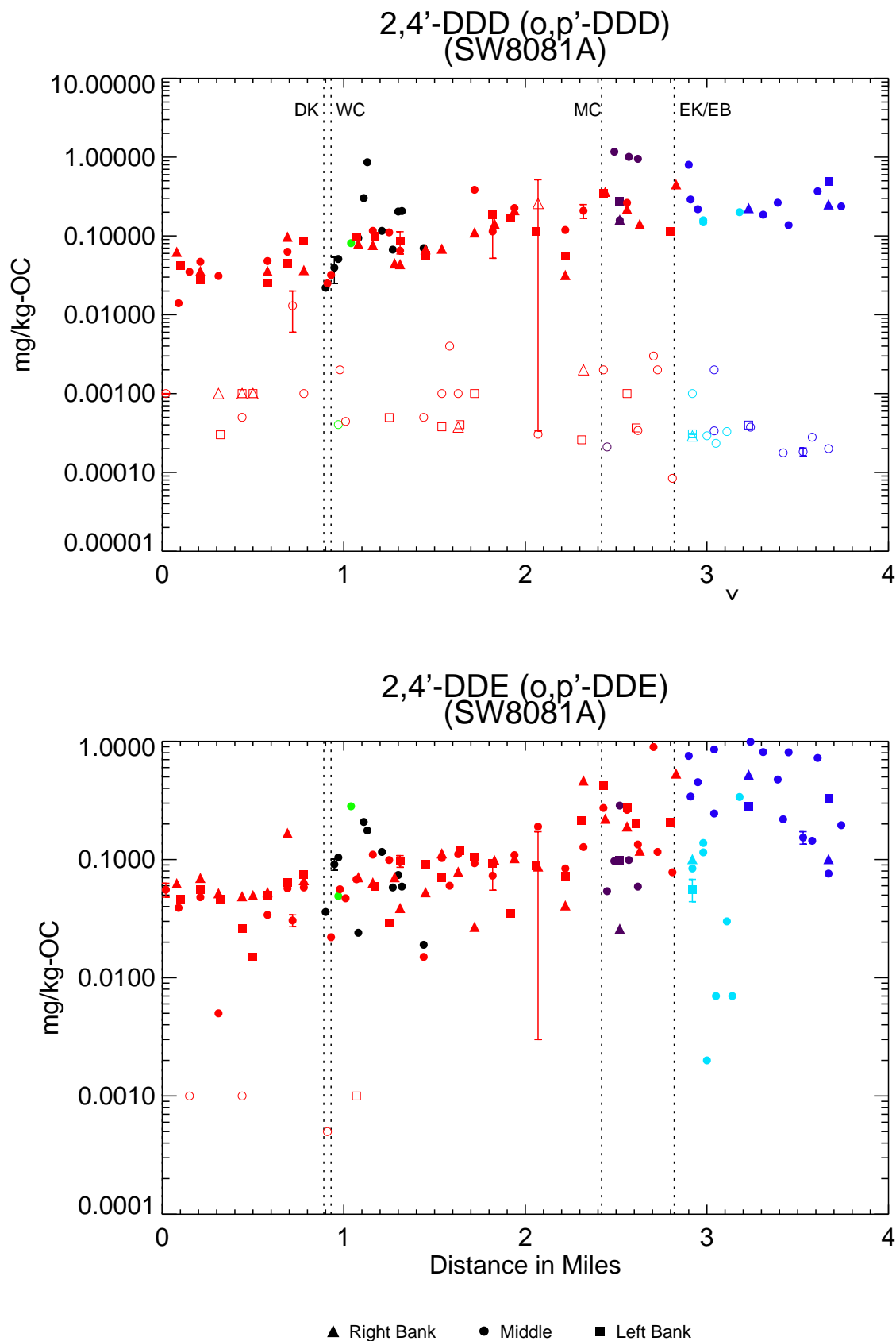
**Figure A4-412**

**Surface Sediment Chemical Data (OC Normal) - 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.*



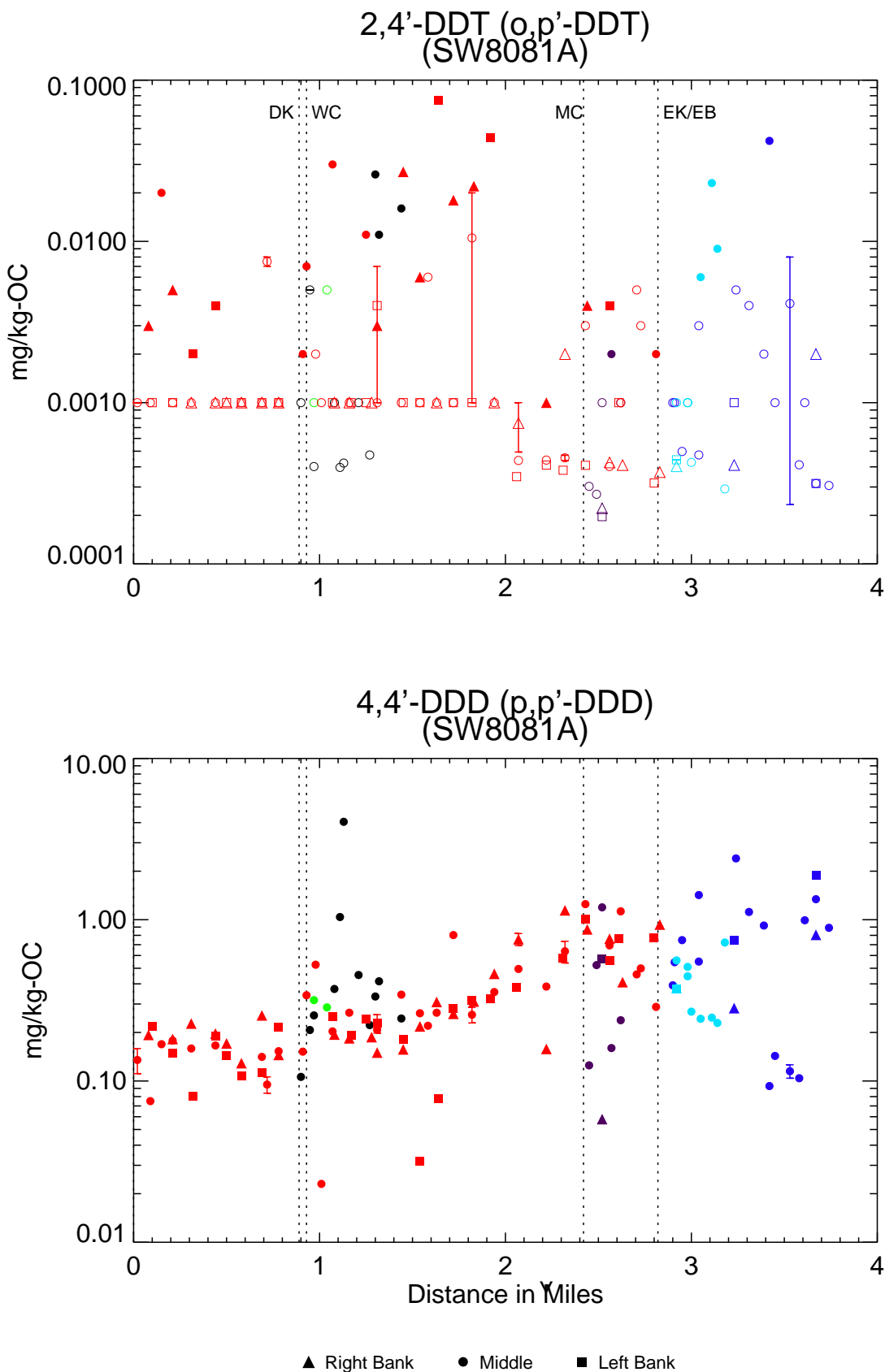
**Figure A4-413**

**Surface Sediment Chemical Data (OC Normal) - 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)

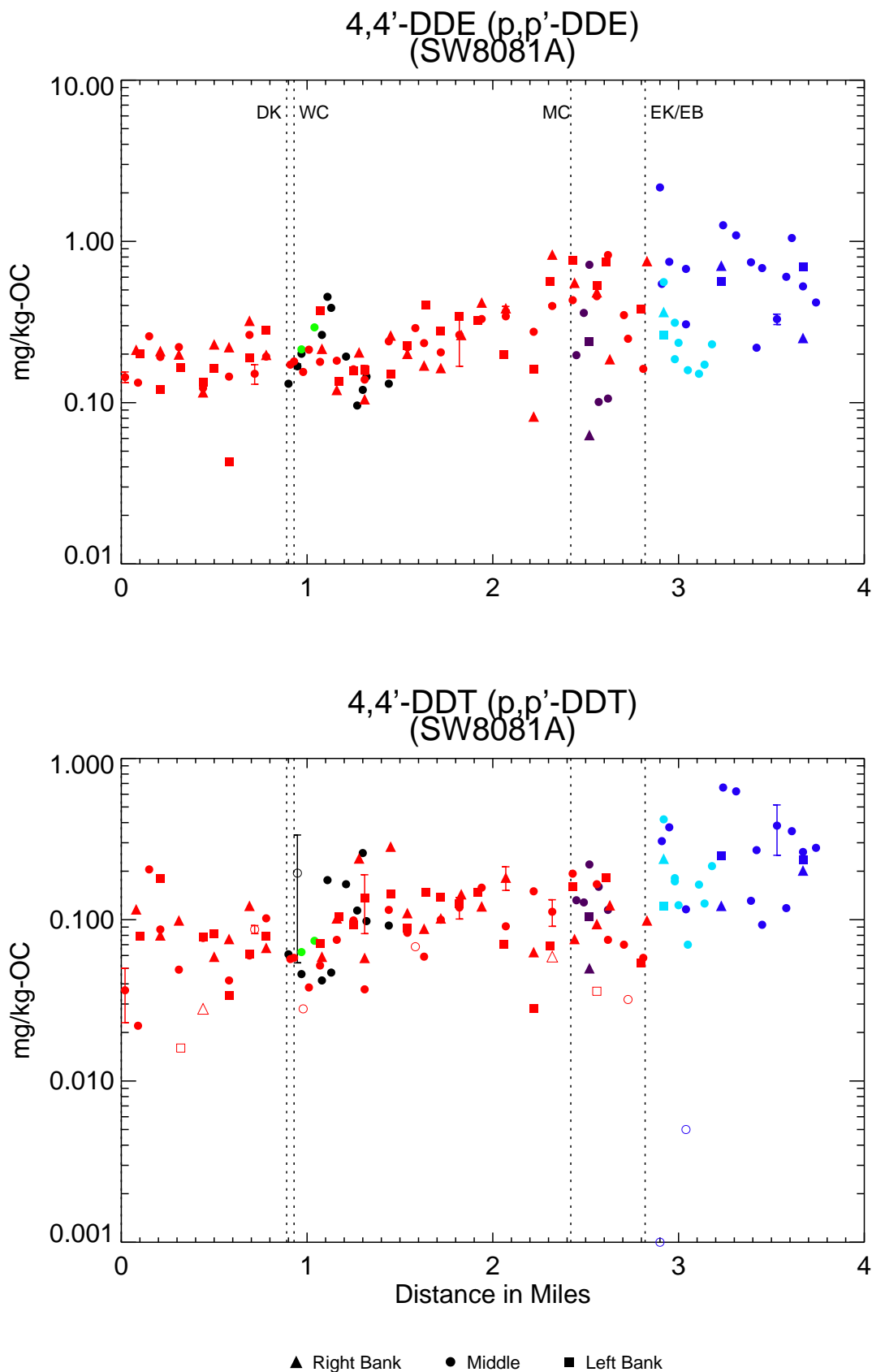
**Figure A4-414**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-415**

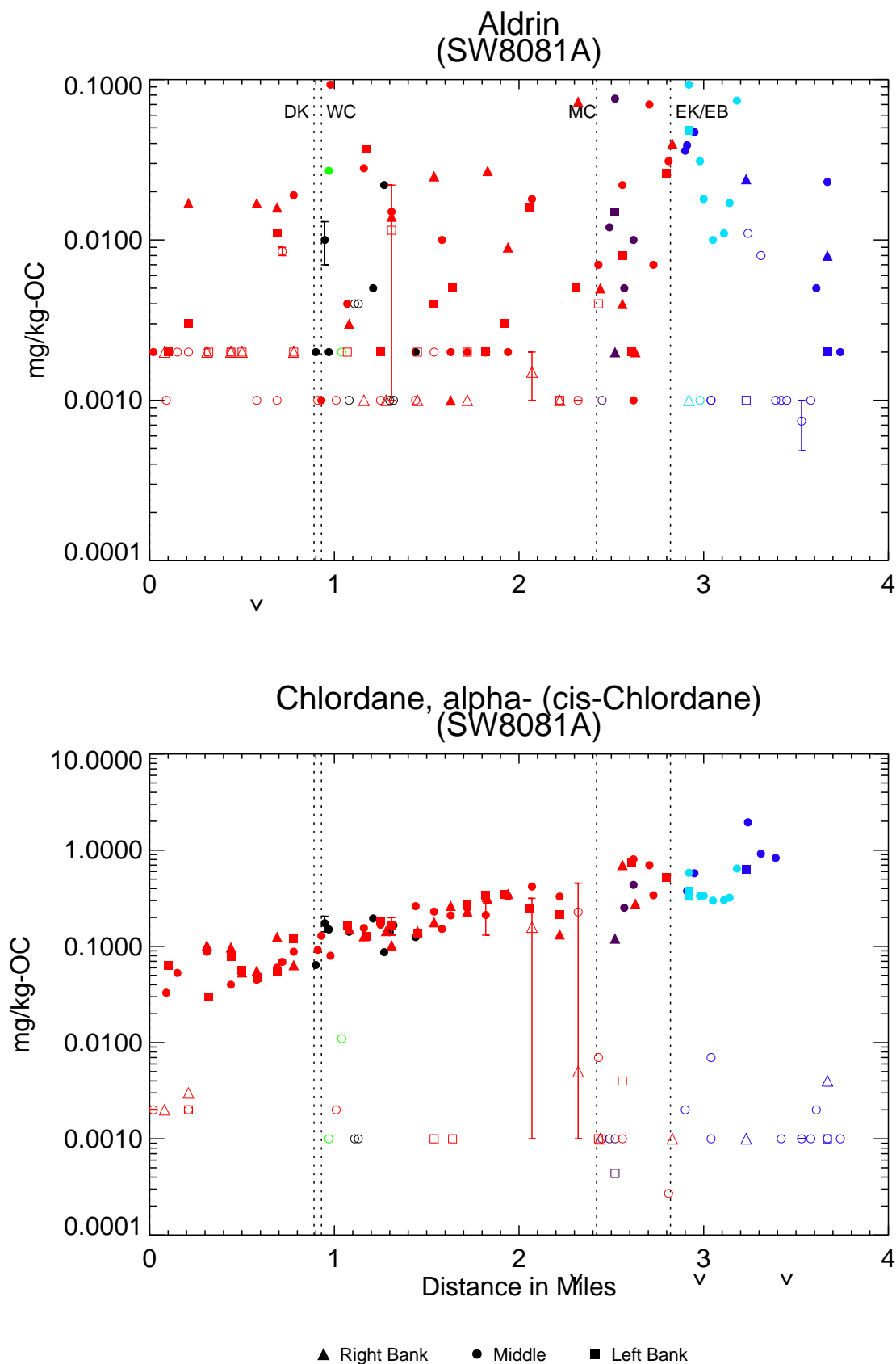
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



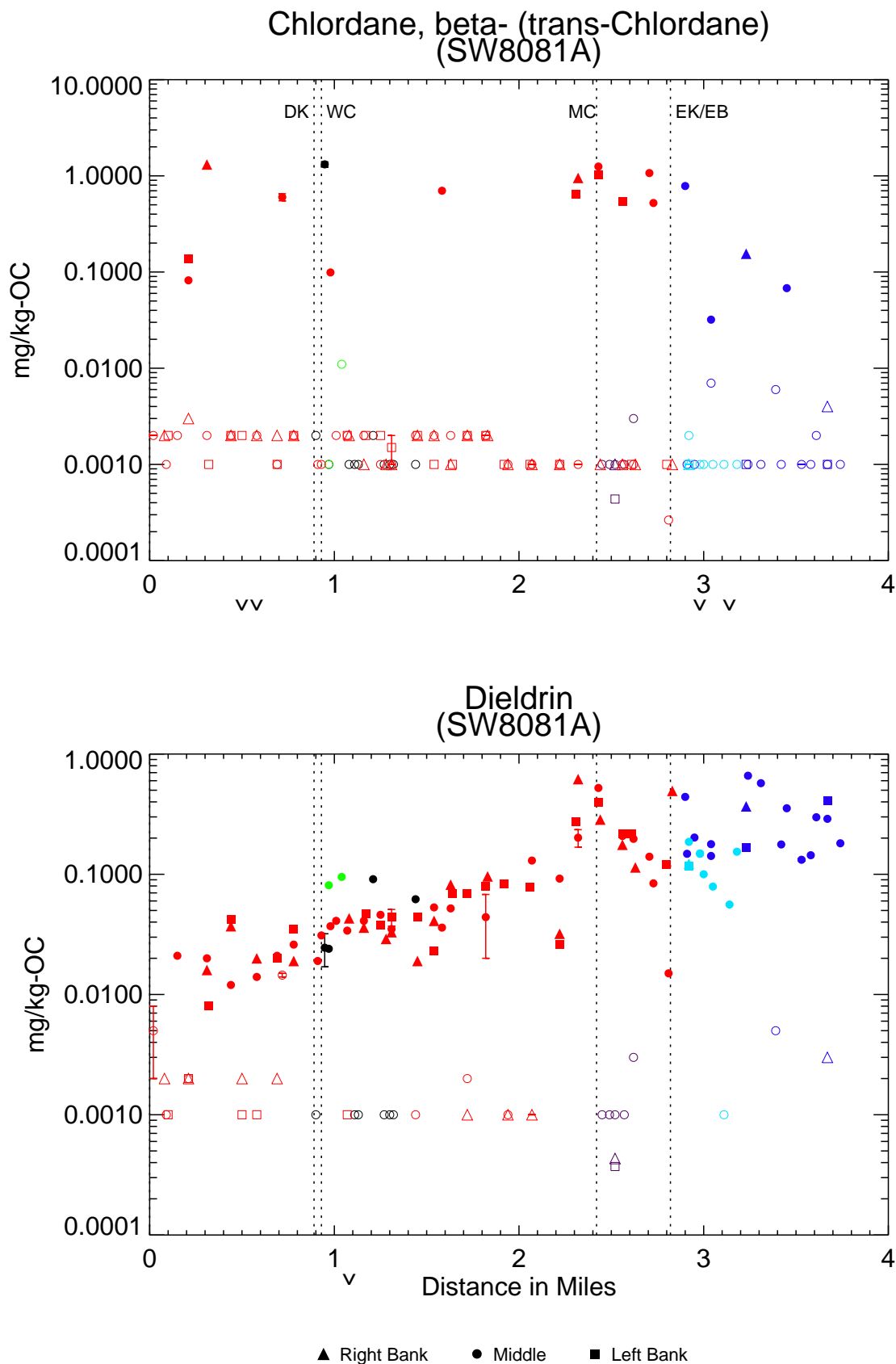
**Figure A4-416**

**Surface Sediment Chemical Data (OC Normal) - 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.*



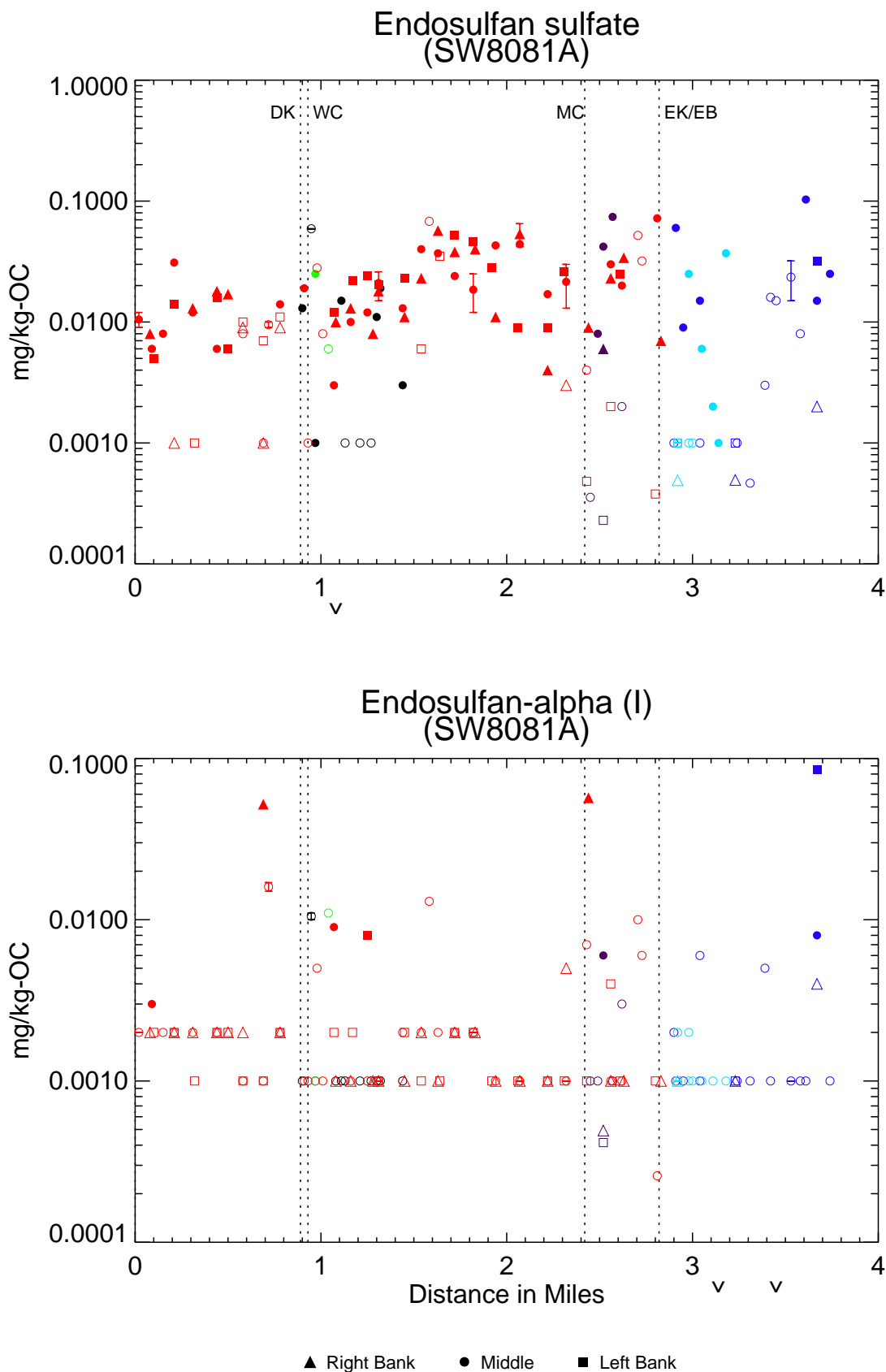
**Figure A4-417**

**Surface Sediment Chemical Data (OC Normal) - 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.*

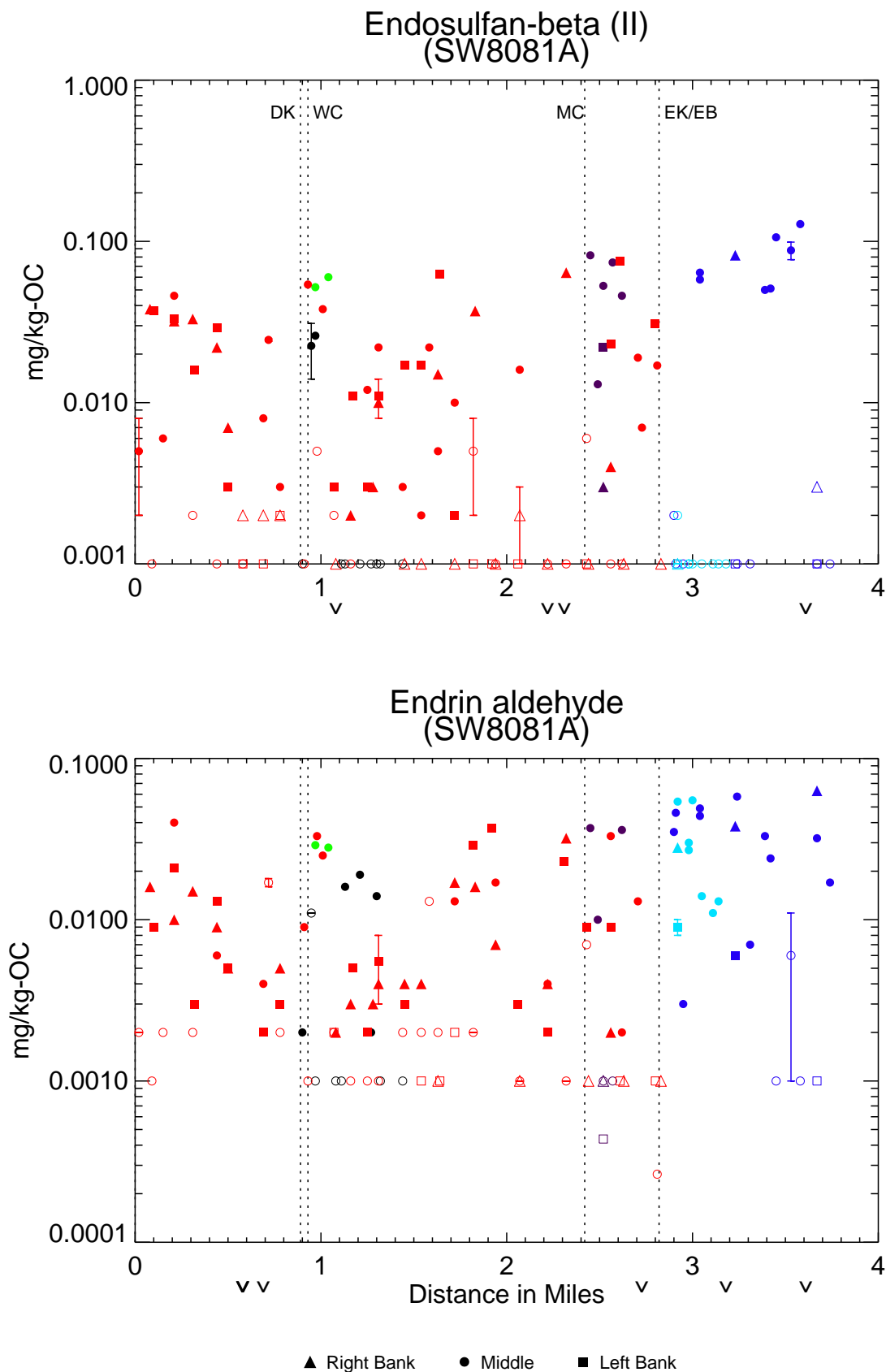
**Figure A4-418**

**Surface Sediment Chemical Data (OC Normal) - 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.*



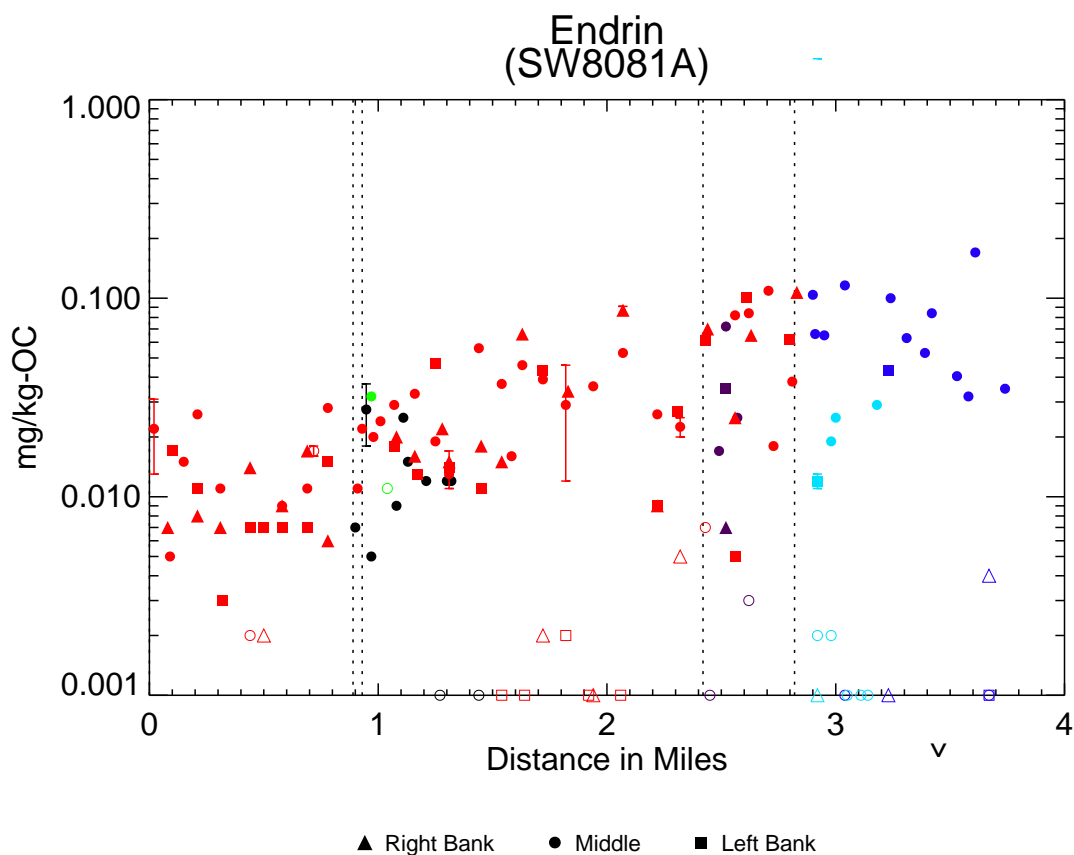
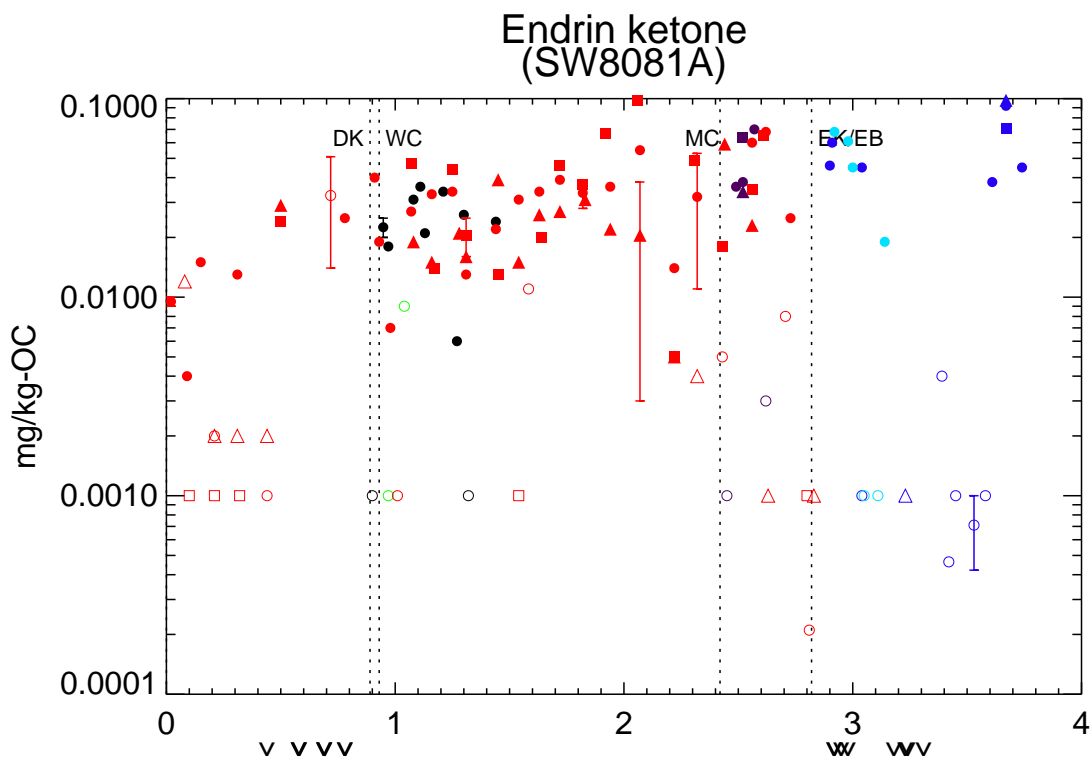
**Figure A4-419**

Surface Sediment Chemical Data (OC Normal) - 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)

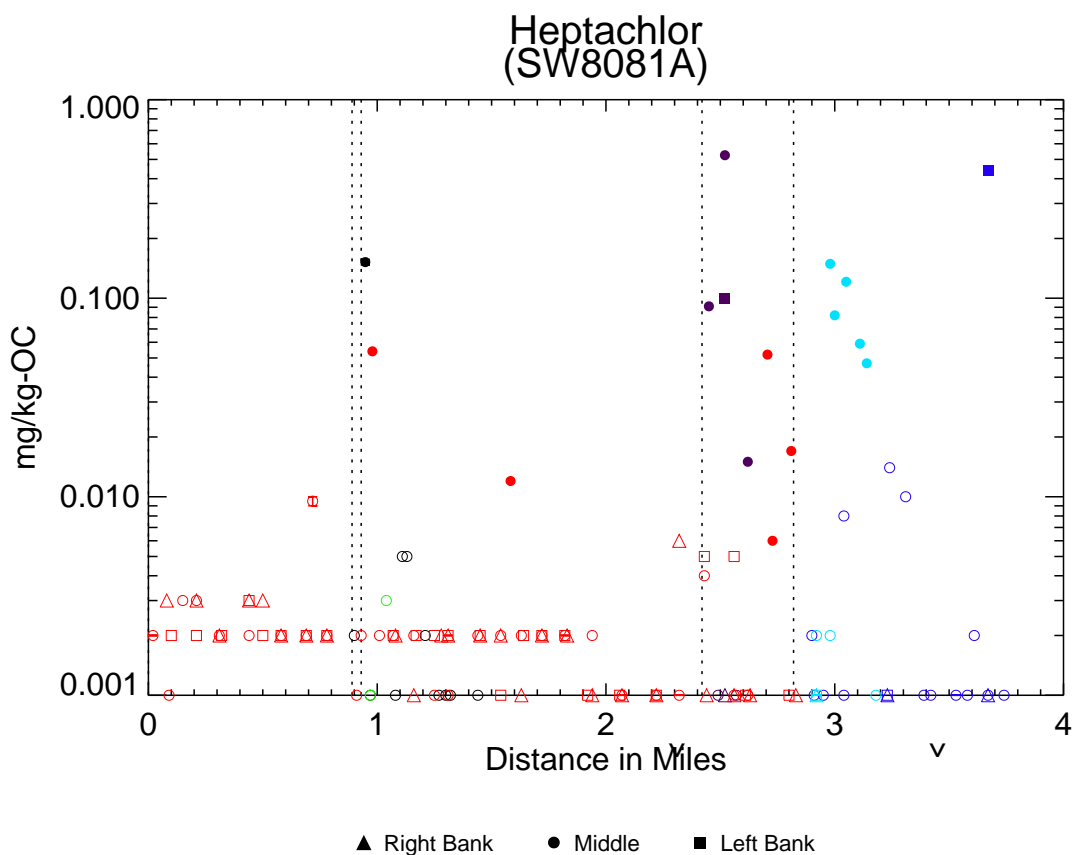
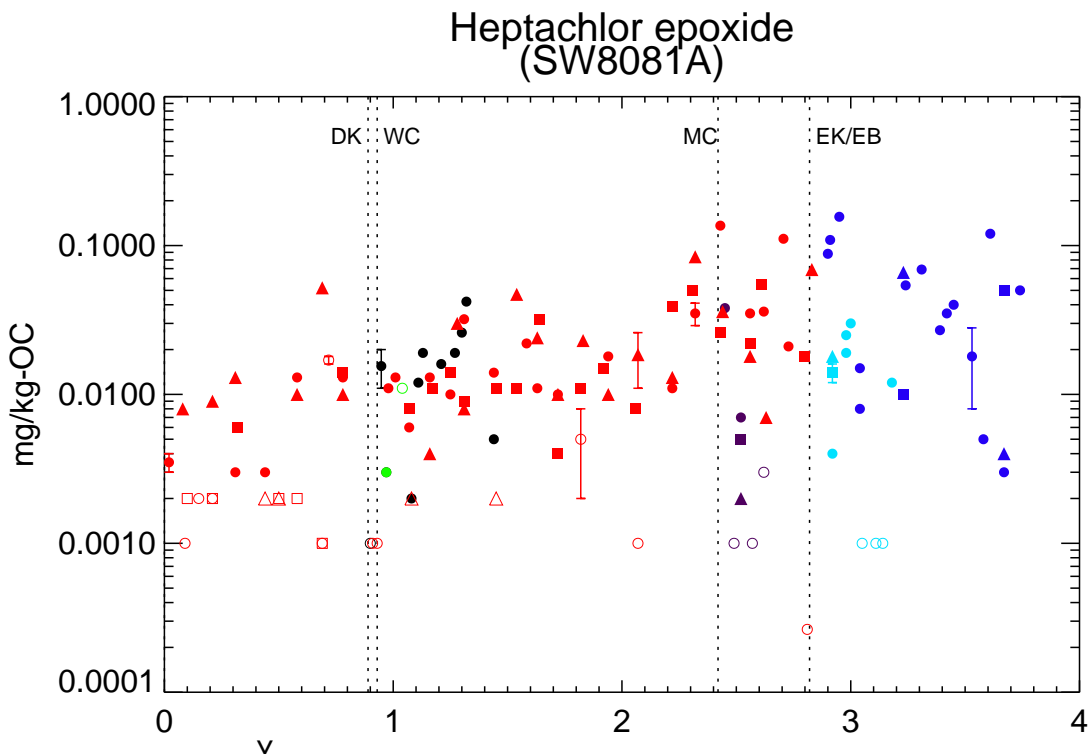
**Figure A4-420**

**Surface Sediment Chemical Data (OC Normal) - 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.*



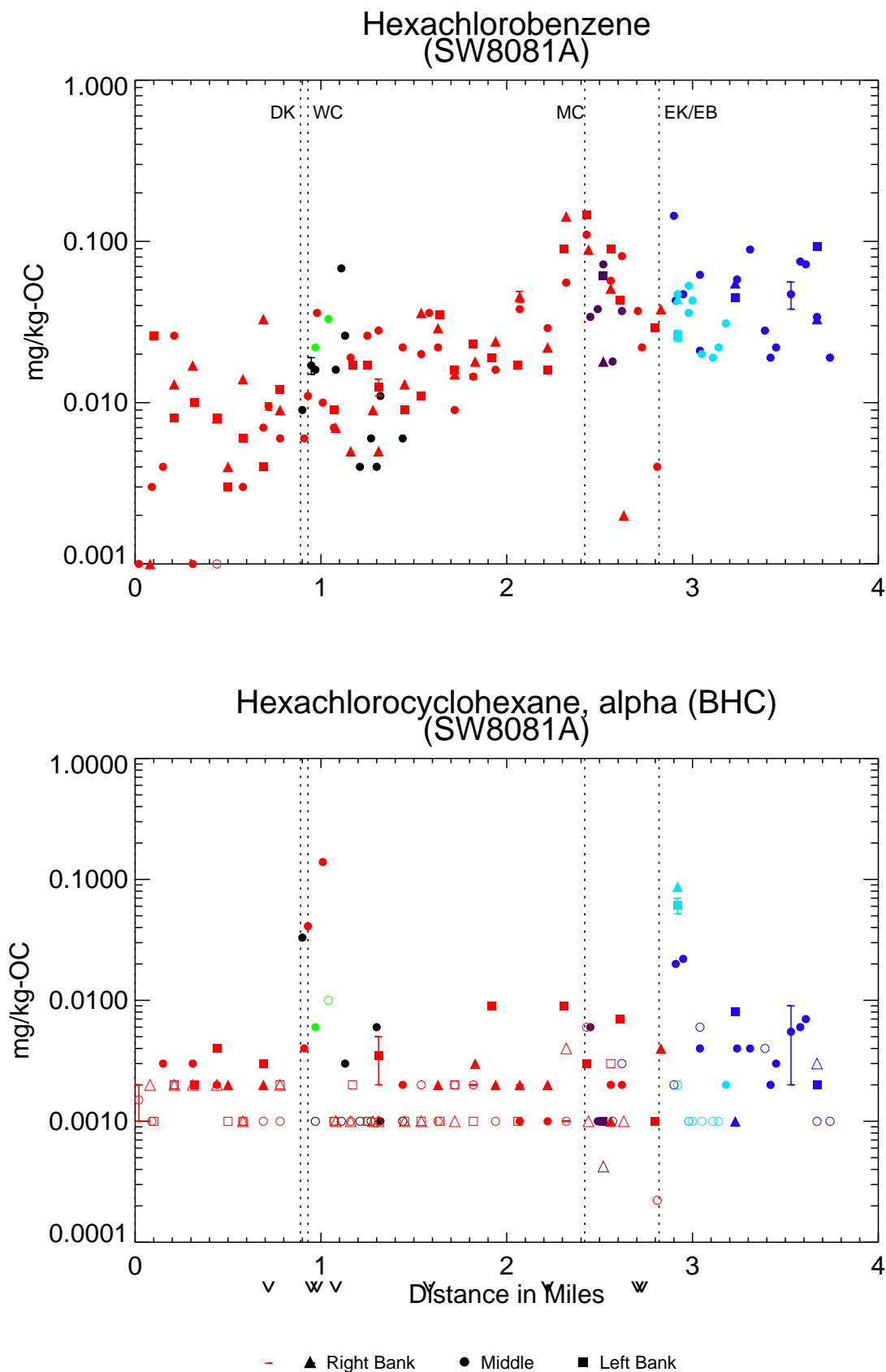
**Figure A4-421**

**Surface Sediment Chemical Data (OC Normal) - 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.*



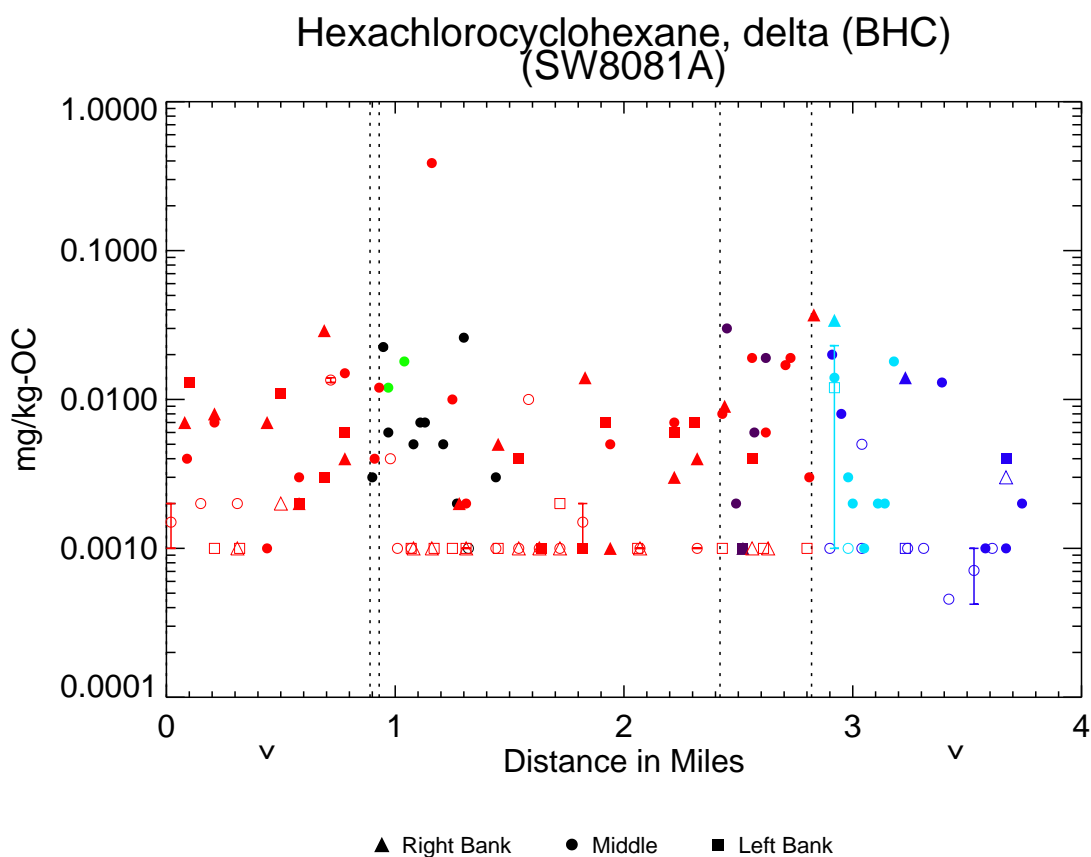
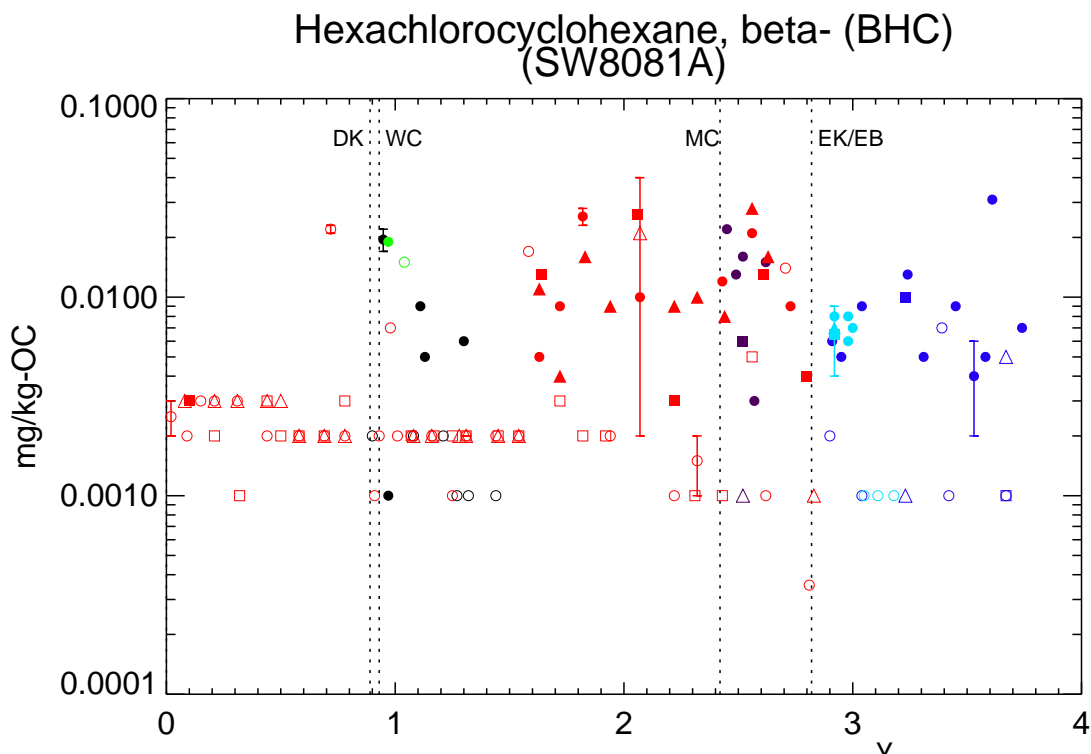
**Figure A4-422**

Surface Sediment Chemical Data (OC Normal) - 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 A4-423**

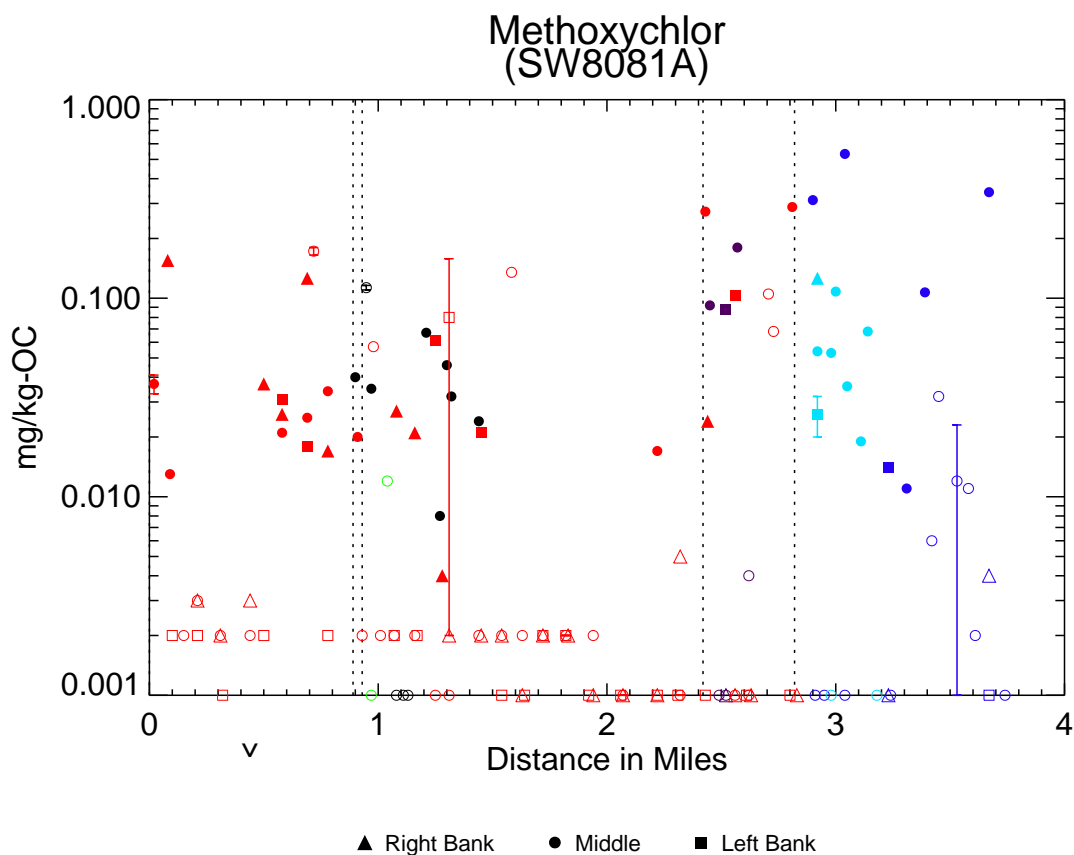
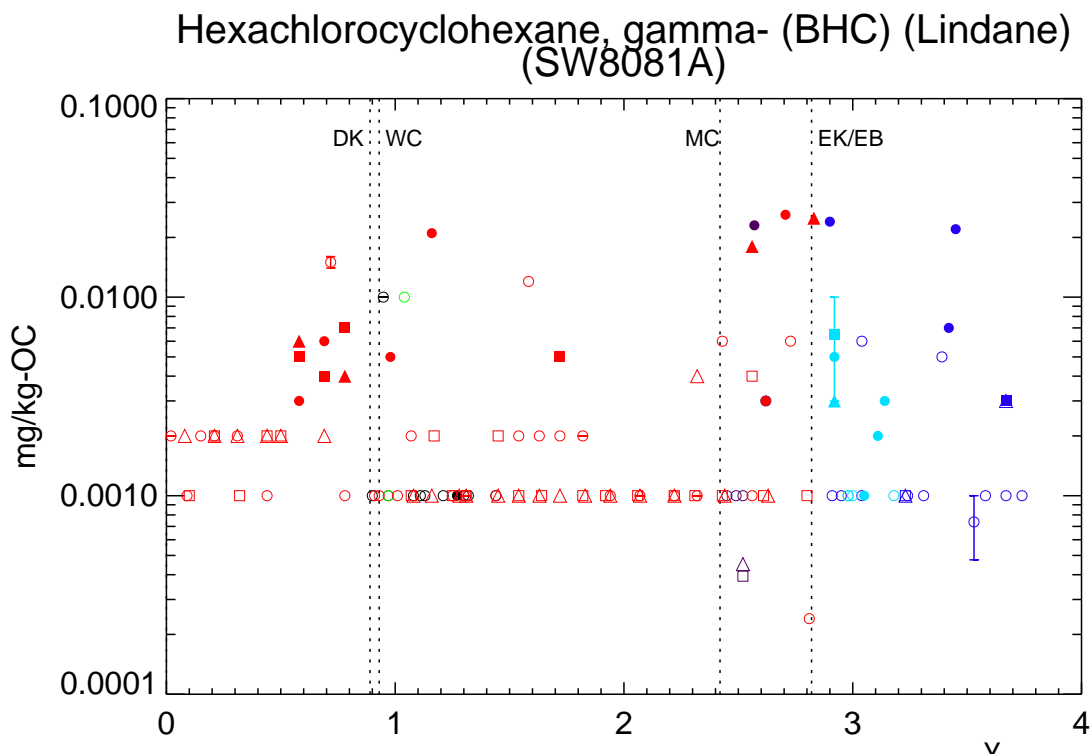
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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.*



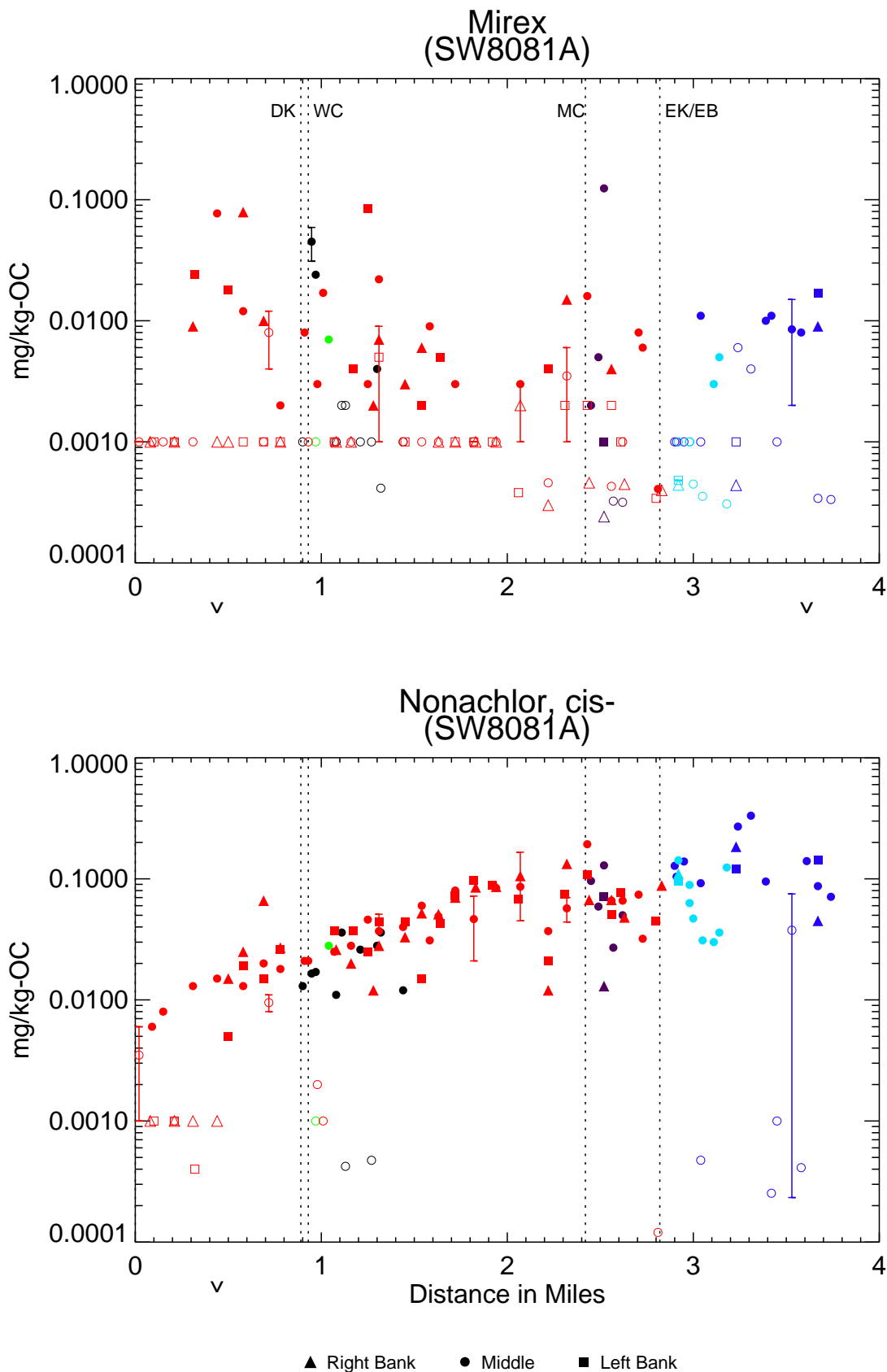
**Figure A4-424**

**Surface Sediment Chemical Data (OC Normal) - 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.*



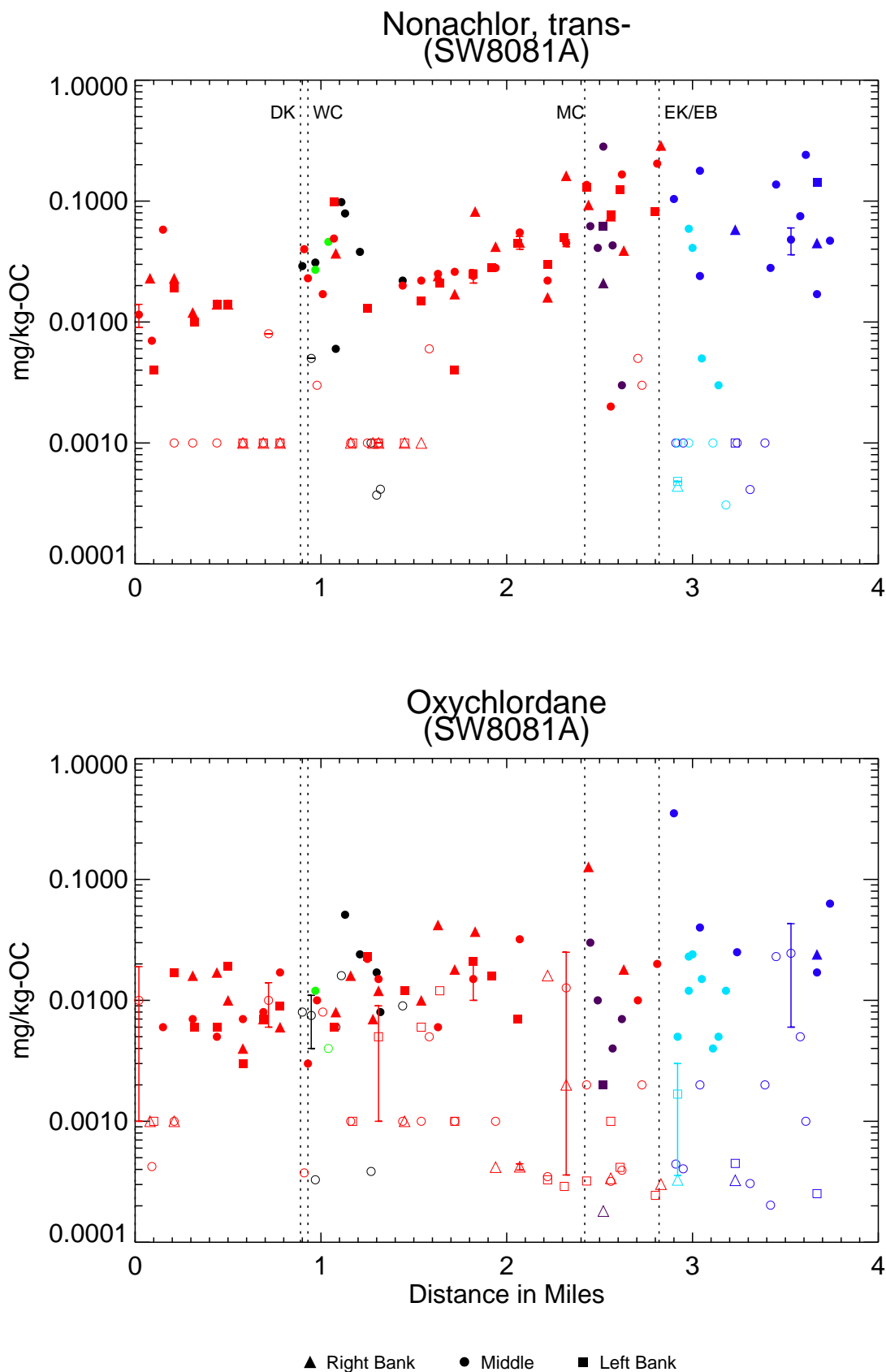
**Figure A4-425**

**Surface Sediment Chemical Data (OC Normal) - 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.*



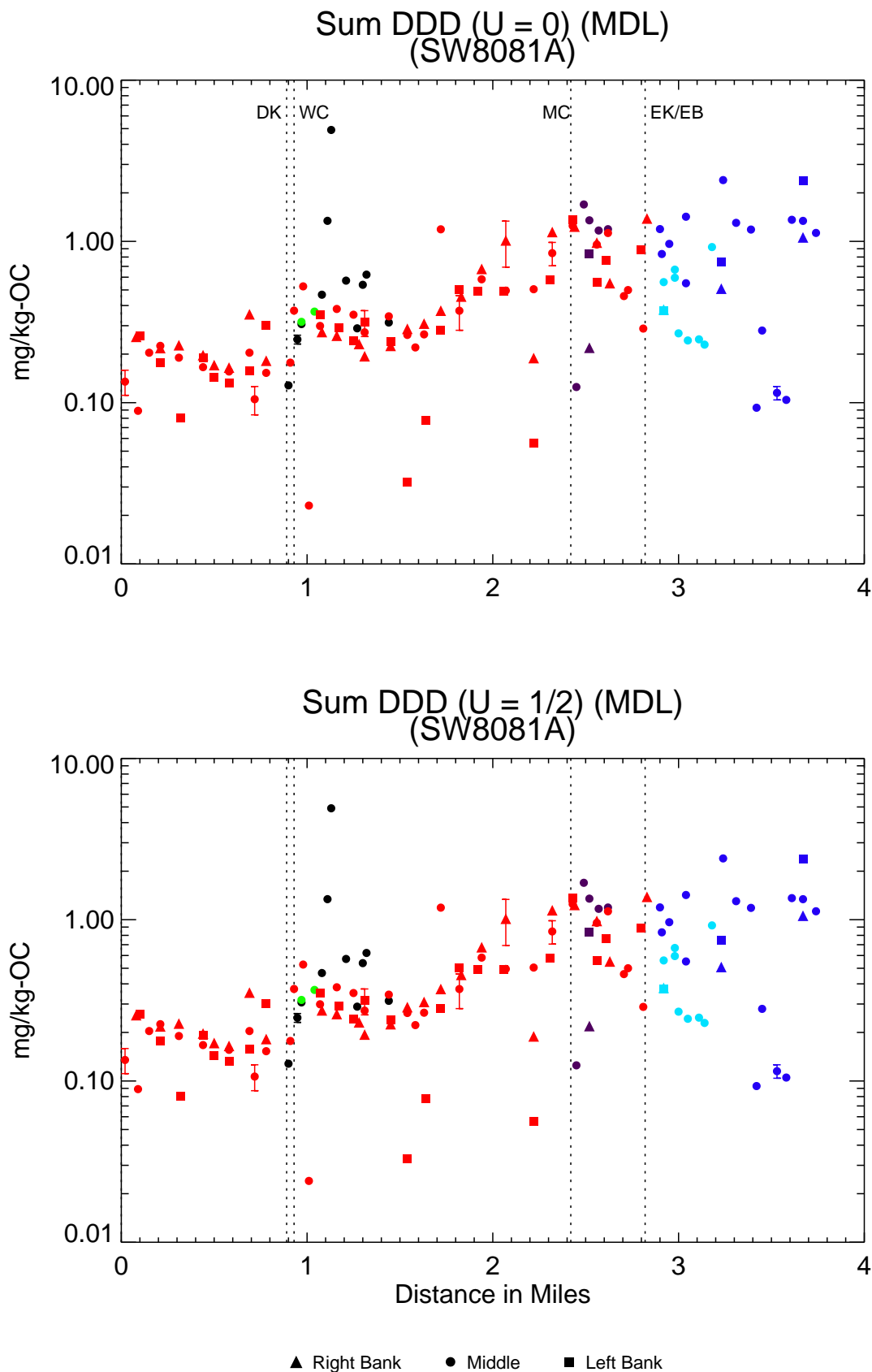
**Figure A4-426**

Surface Sediment Chemical Data (OC Normal) - 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)

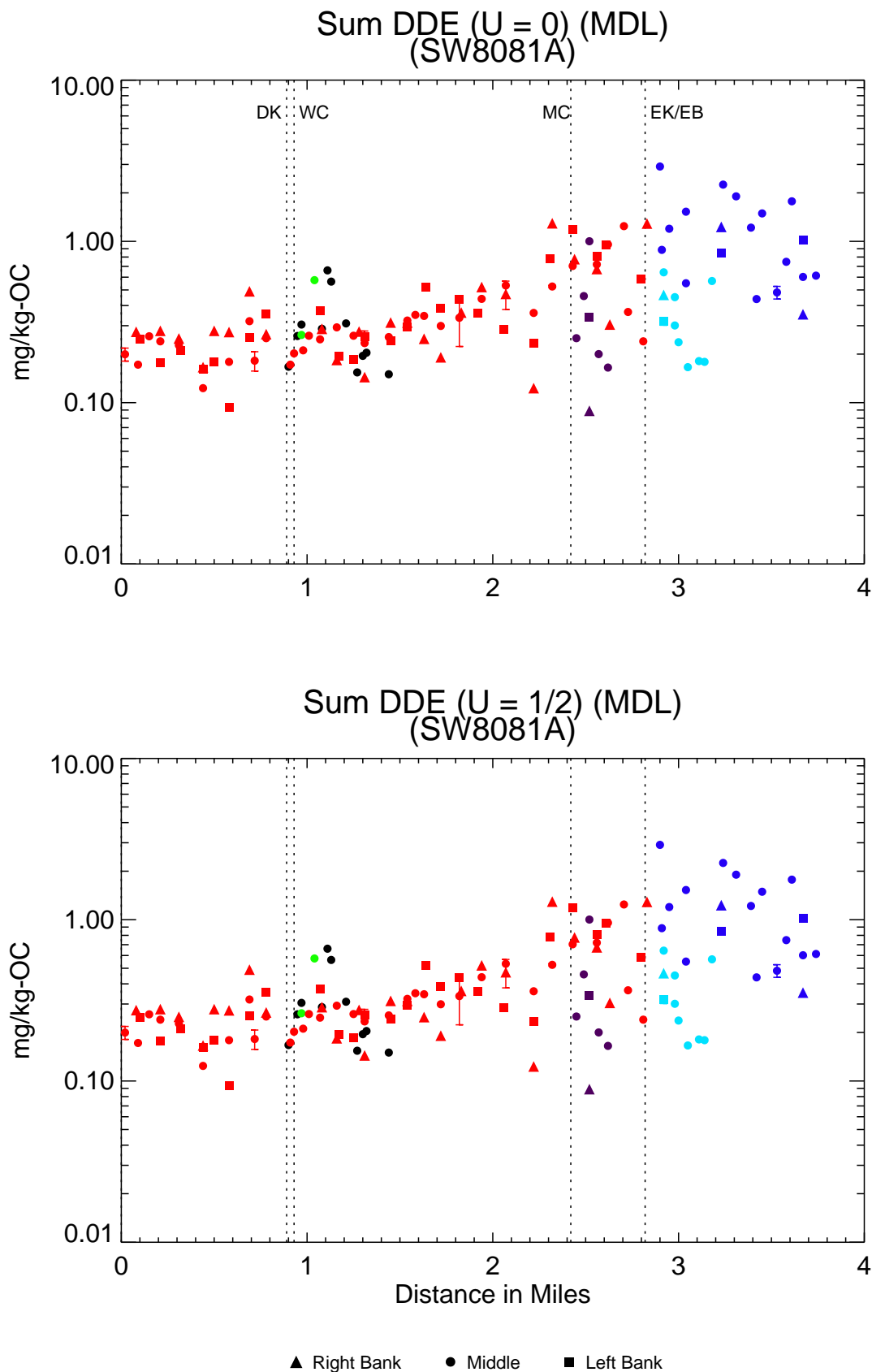
**Figure A4-427**

**Surface Sediment Chemical Data (OC Normal) - 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.*



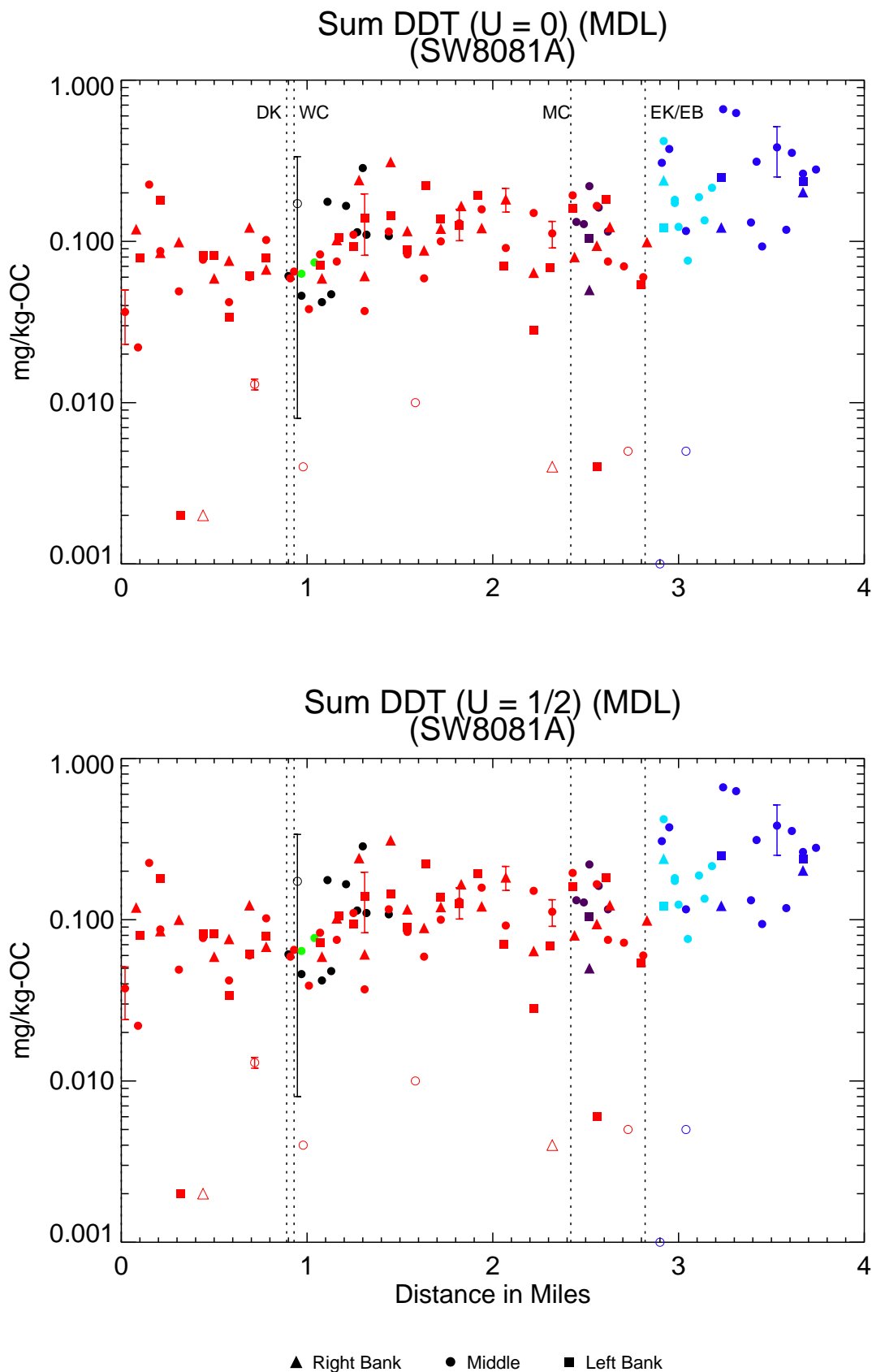
**Figure A4-428**

**Surface Sediment Chemical Data (OC Normal) - 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.*

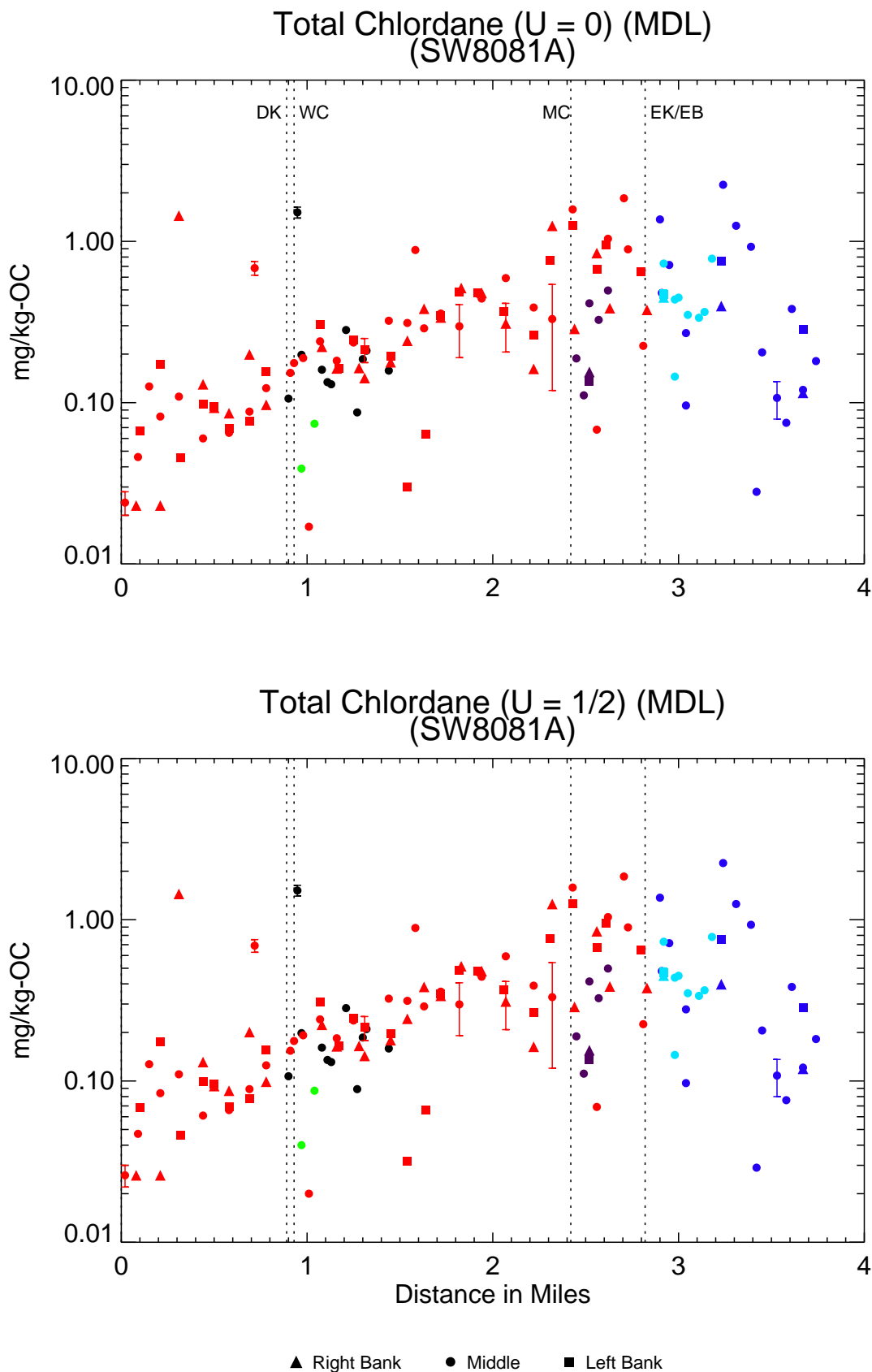
**Figure A4-429**

**Surface Sediment Chemical Data (OC Normal) - 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.*



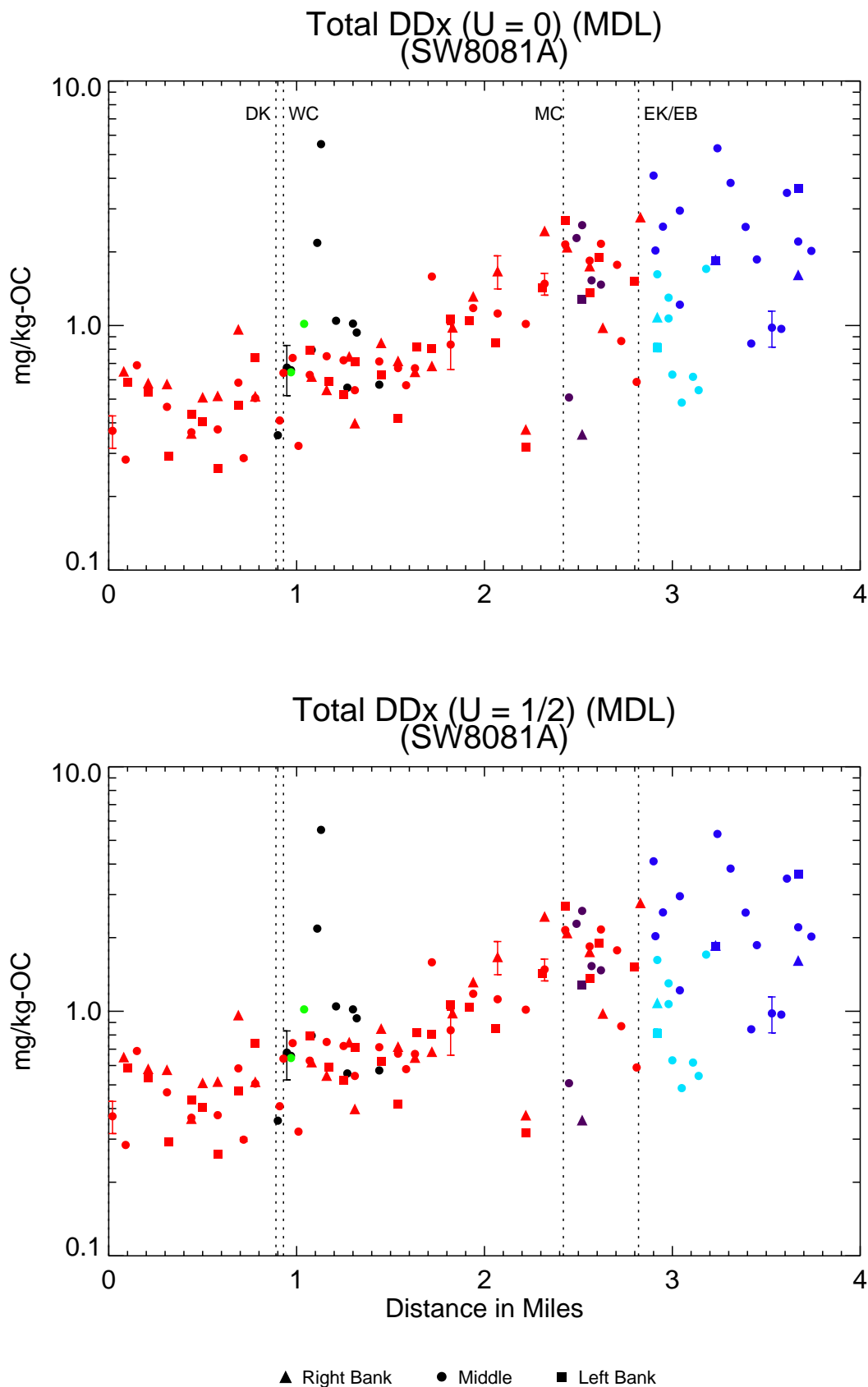
**Figure A4-430**

**Surface Sediment Chemical Data (OC Normal) - 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.*



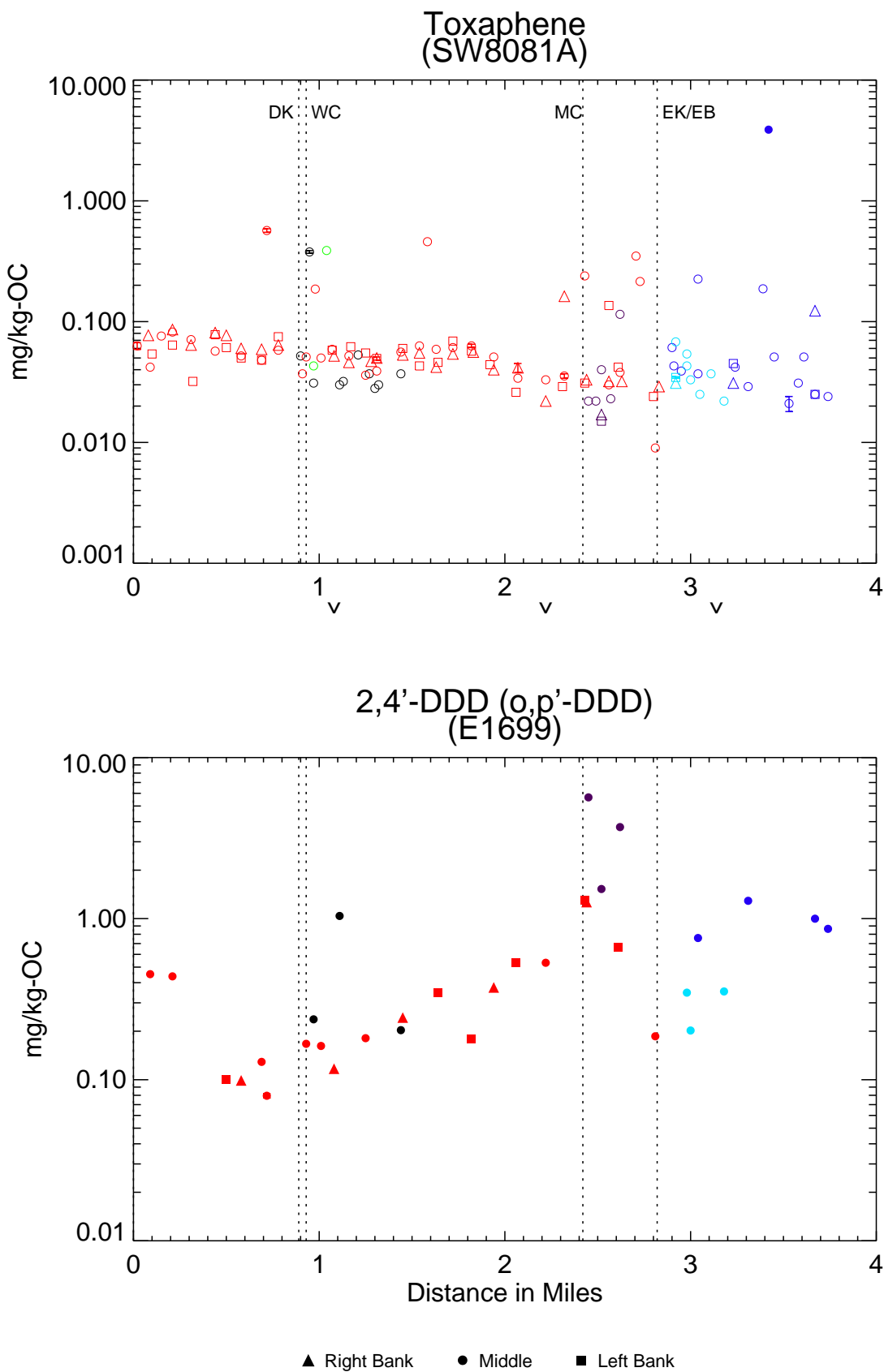
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-431**

**Surface Sediment Chemical Data (OC Normal) - 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.*



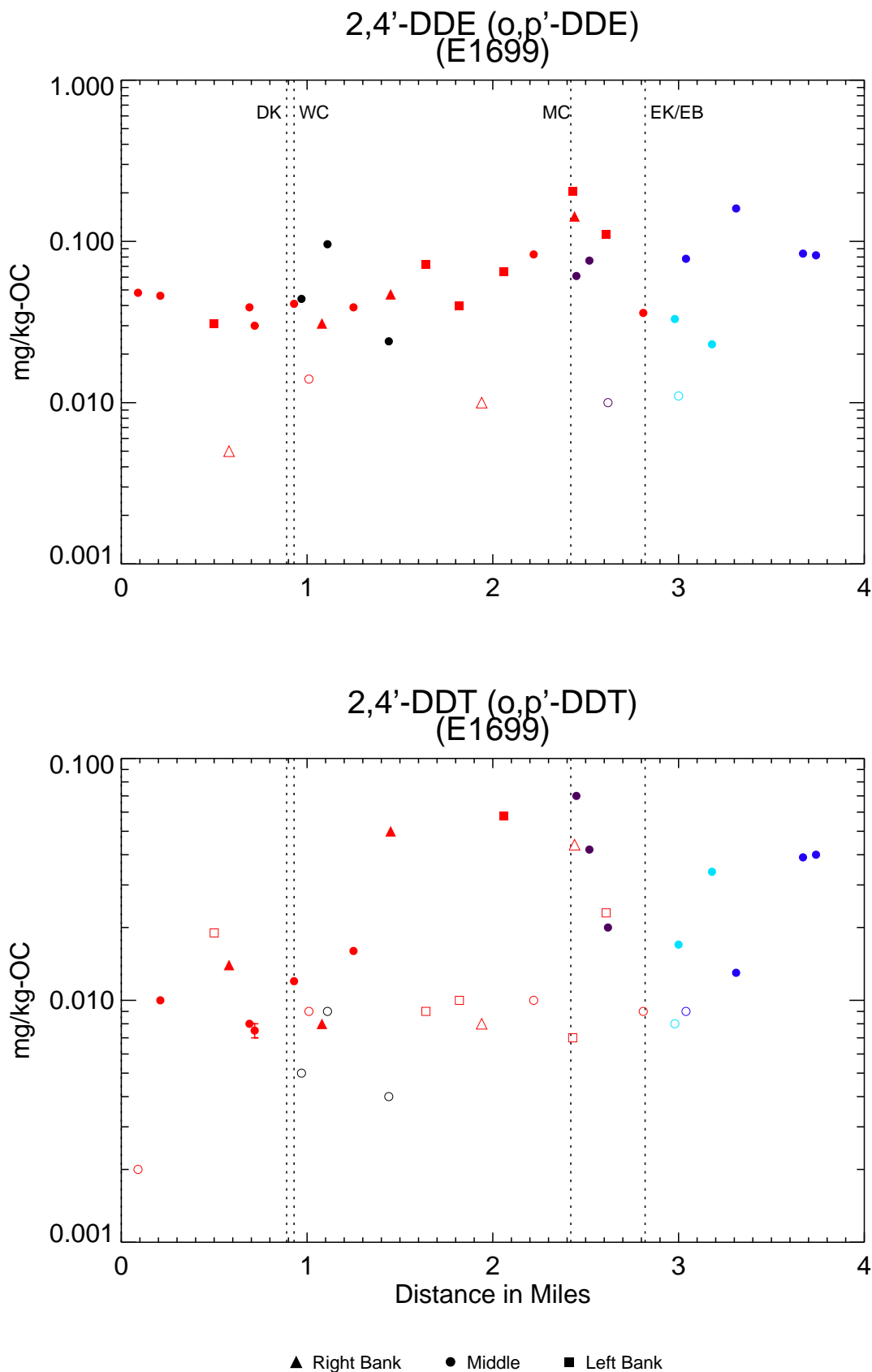
**Figure A4-432**

**Surface Sediment Chemical Data (OC Normal) - 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.*

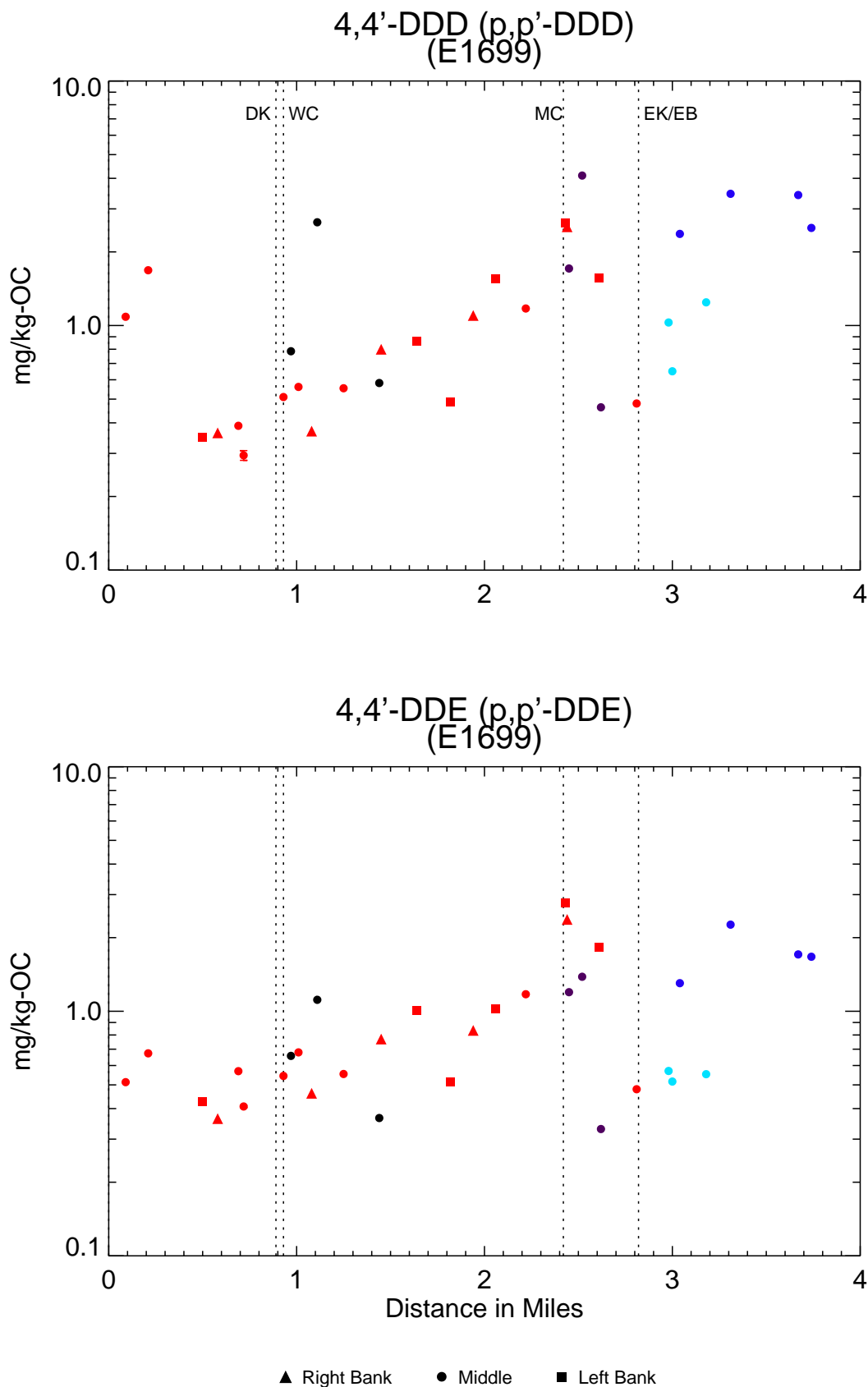
**Figure A4-433**

**Surface Sediment Chemical Data (OC Normal) - 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.*



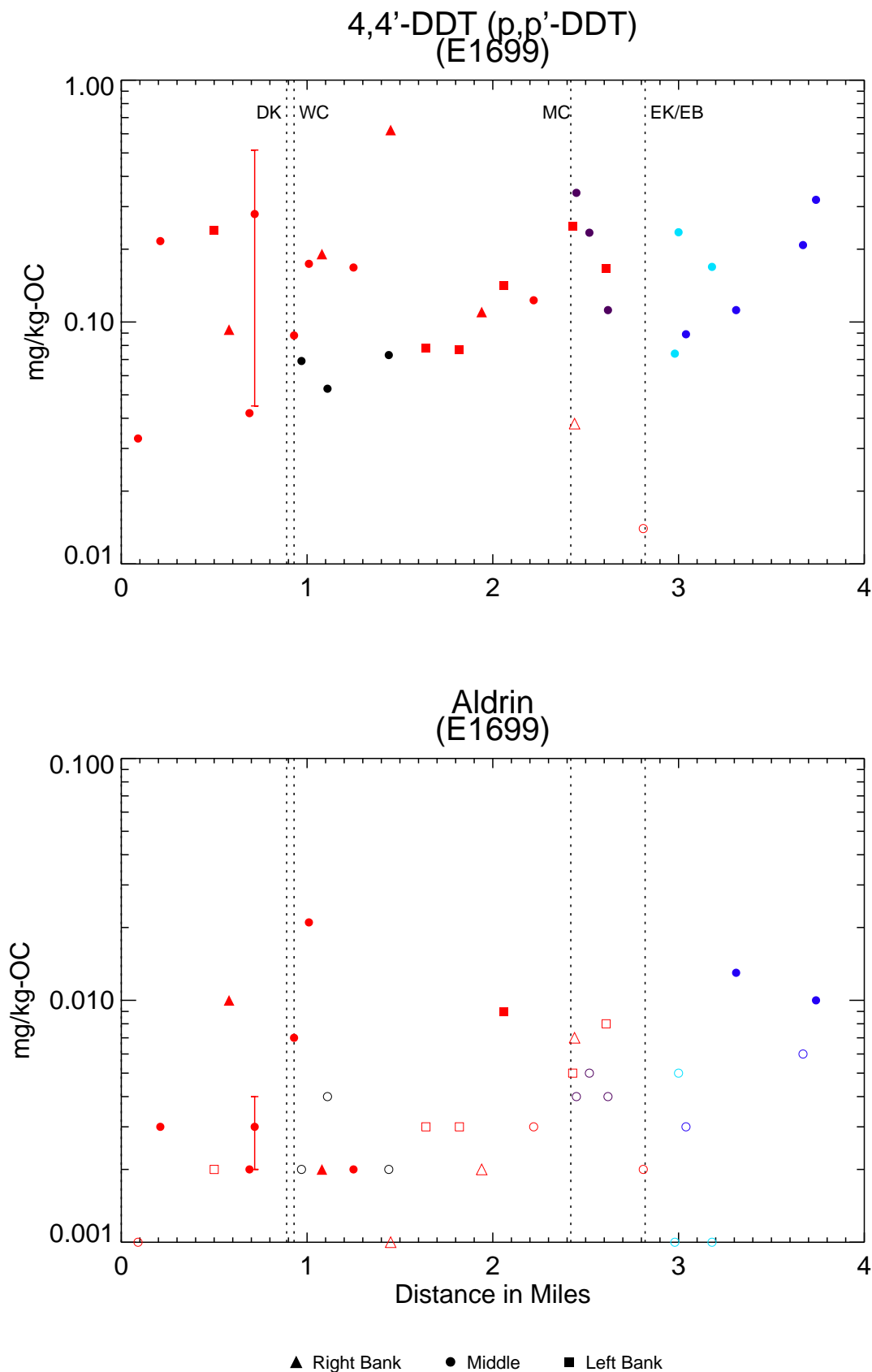
**Figure A4-434**

**Surface Sediment Chemical Data (OC Normal) - 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.*



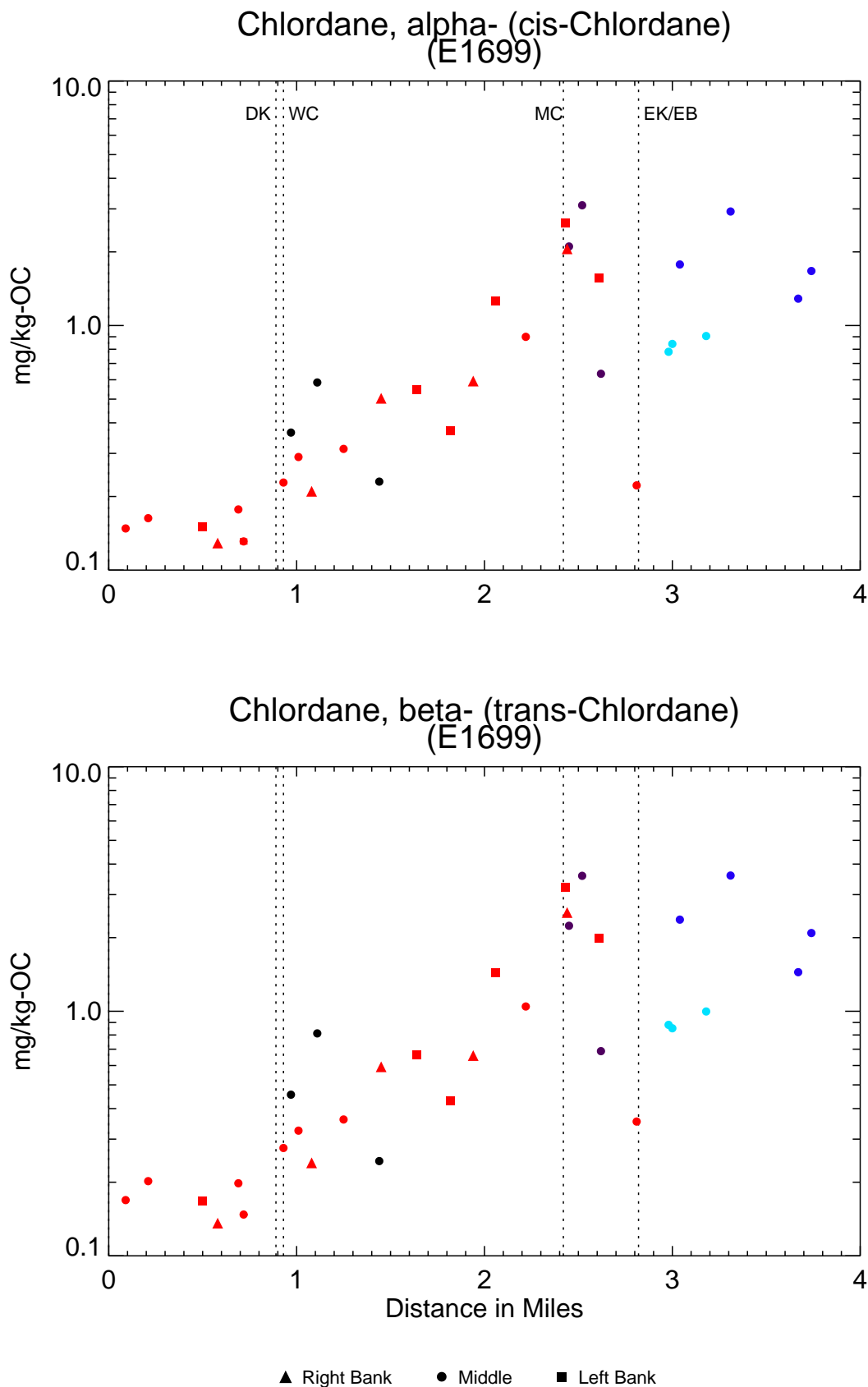
**Figure A4-435**

**Surface Sediment Chemical Data (OC Normal) - 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.*

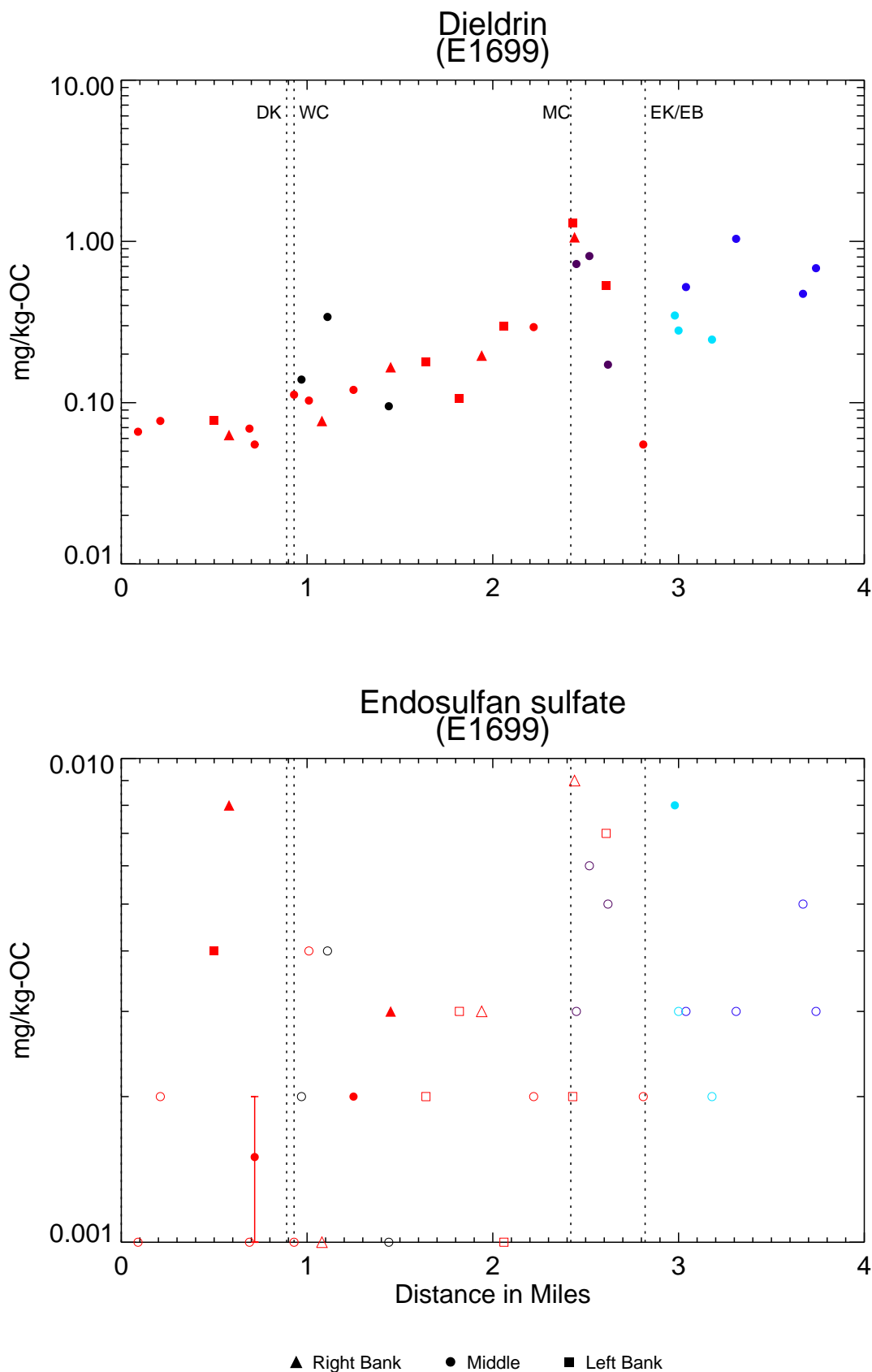
**Figure A4-436**

**Surface Sediment Chemical Data (OC Normal) - 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.*



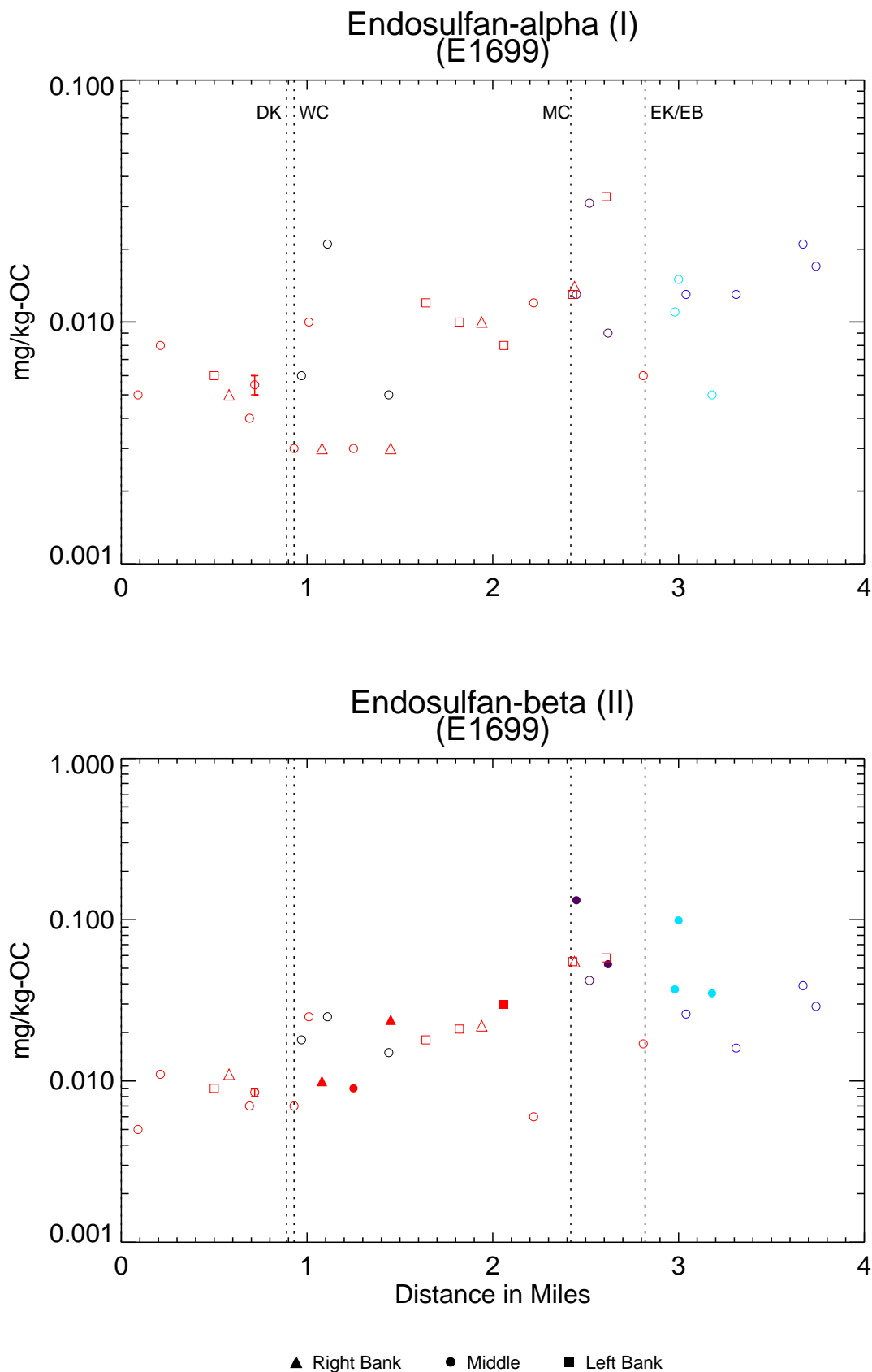
**Figure A4-437**

**Surface Sediment Chemical Data (OC Normal) - 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.*



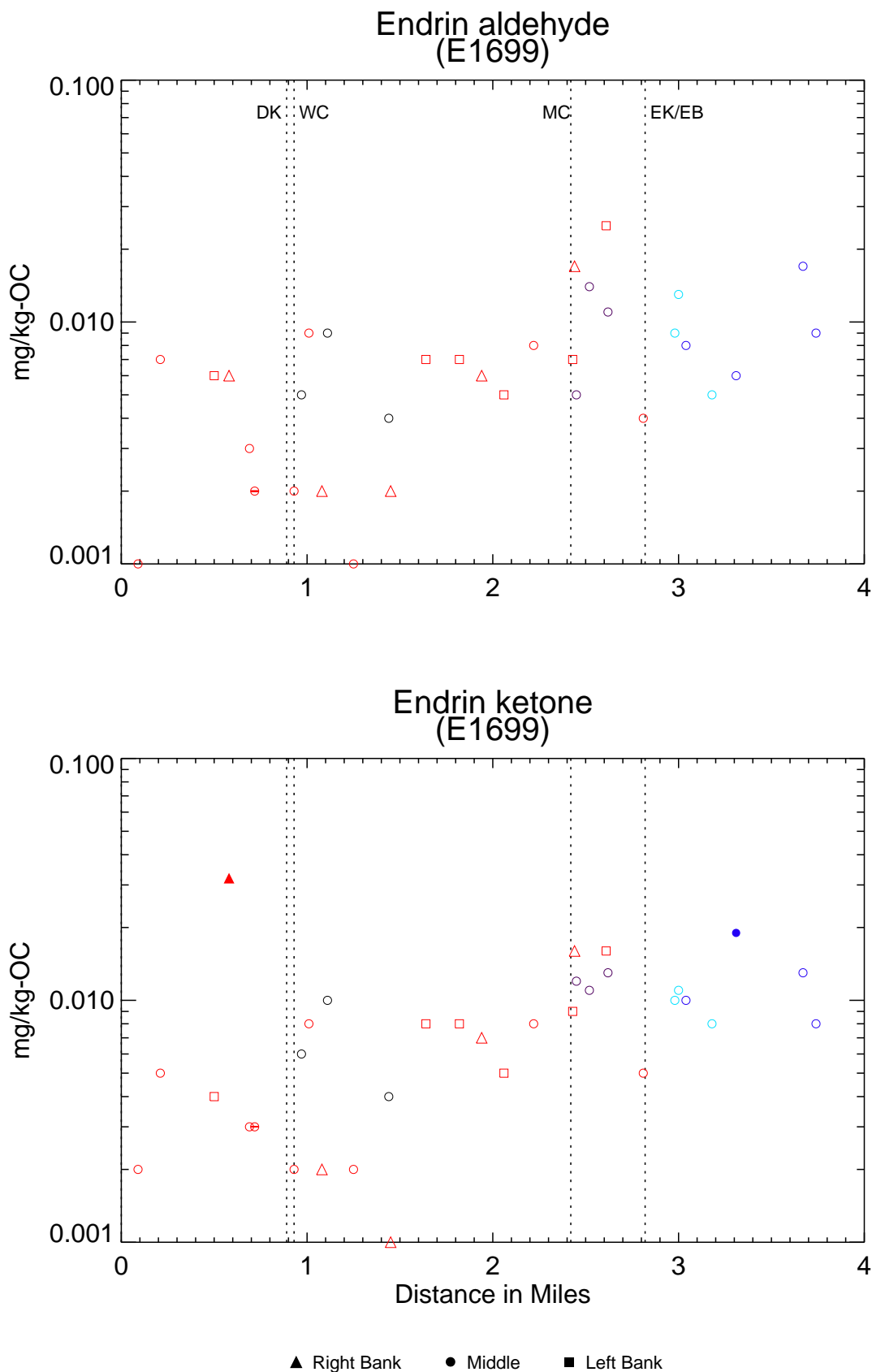
**Figure A4-438**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-439**

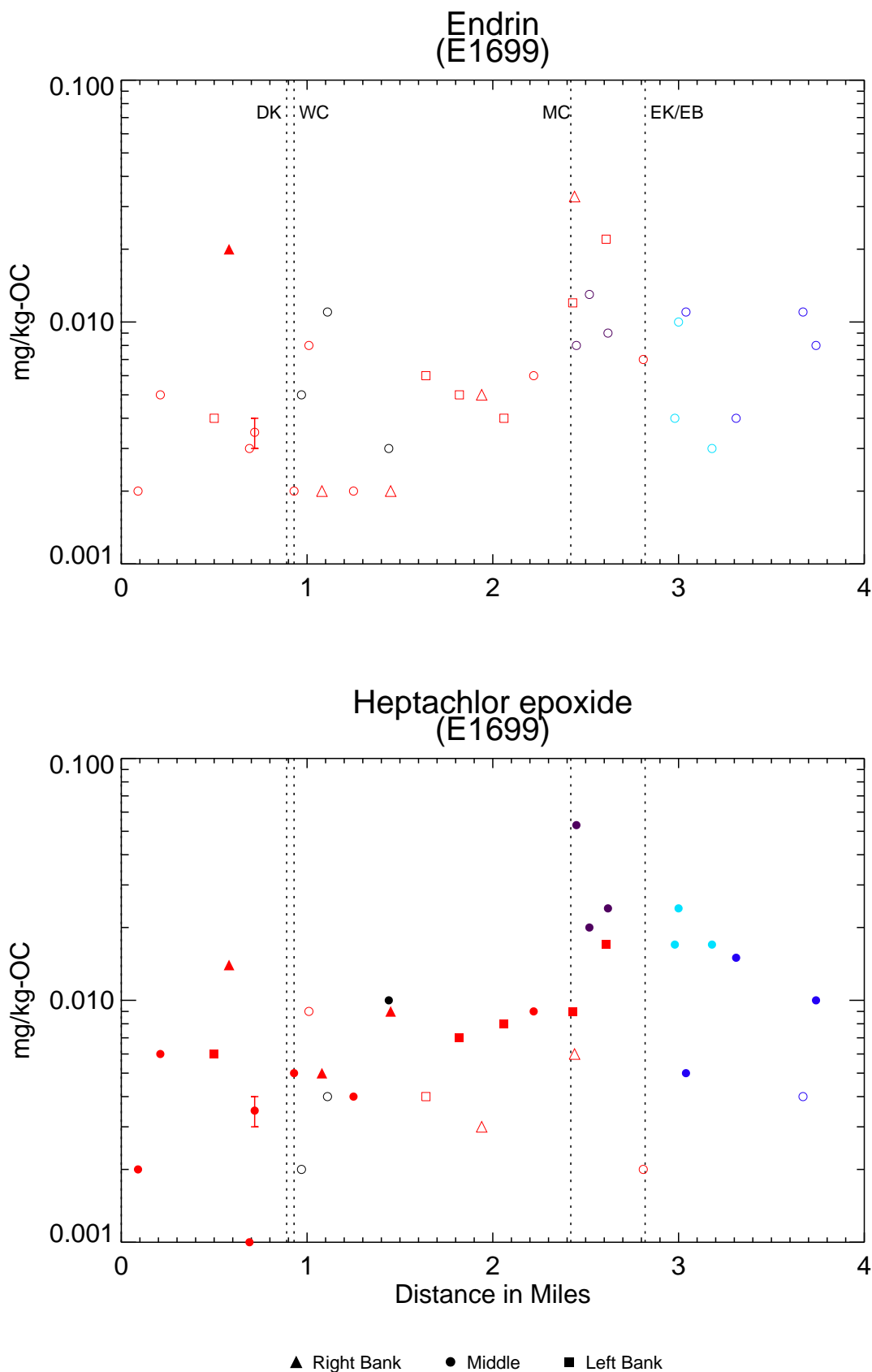
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



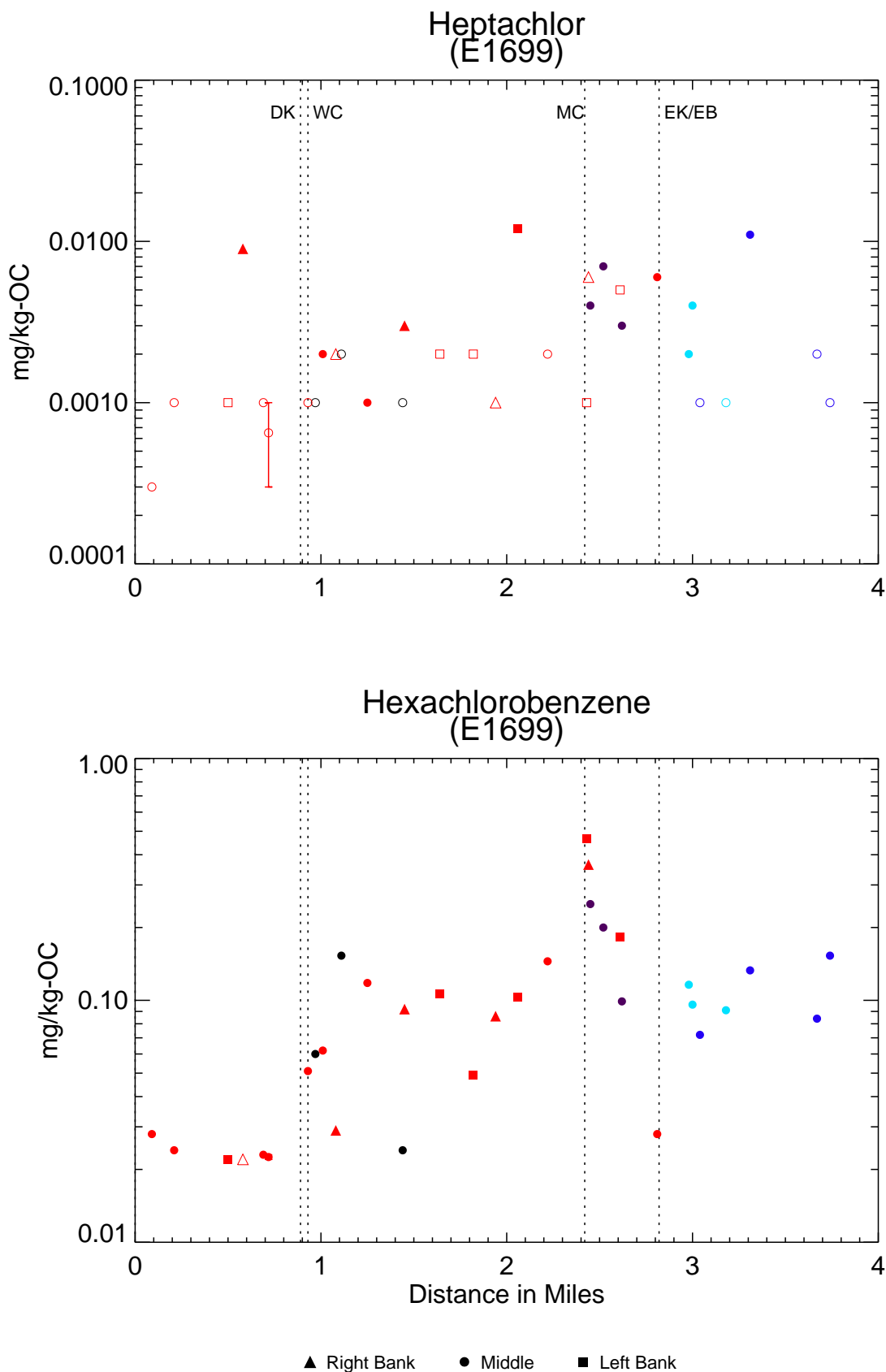
**Figure A4-440**

**Surface Sediment Chemical Data (OC Normal) - 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.*

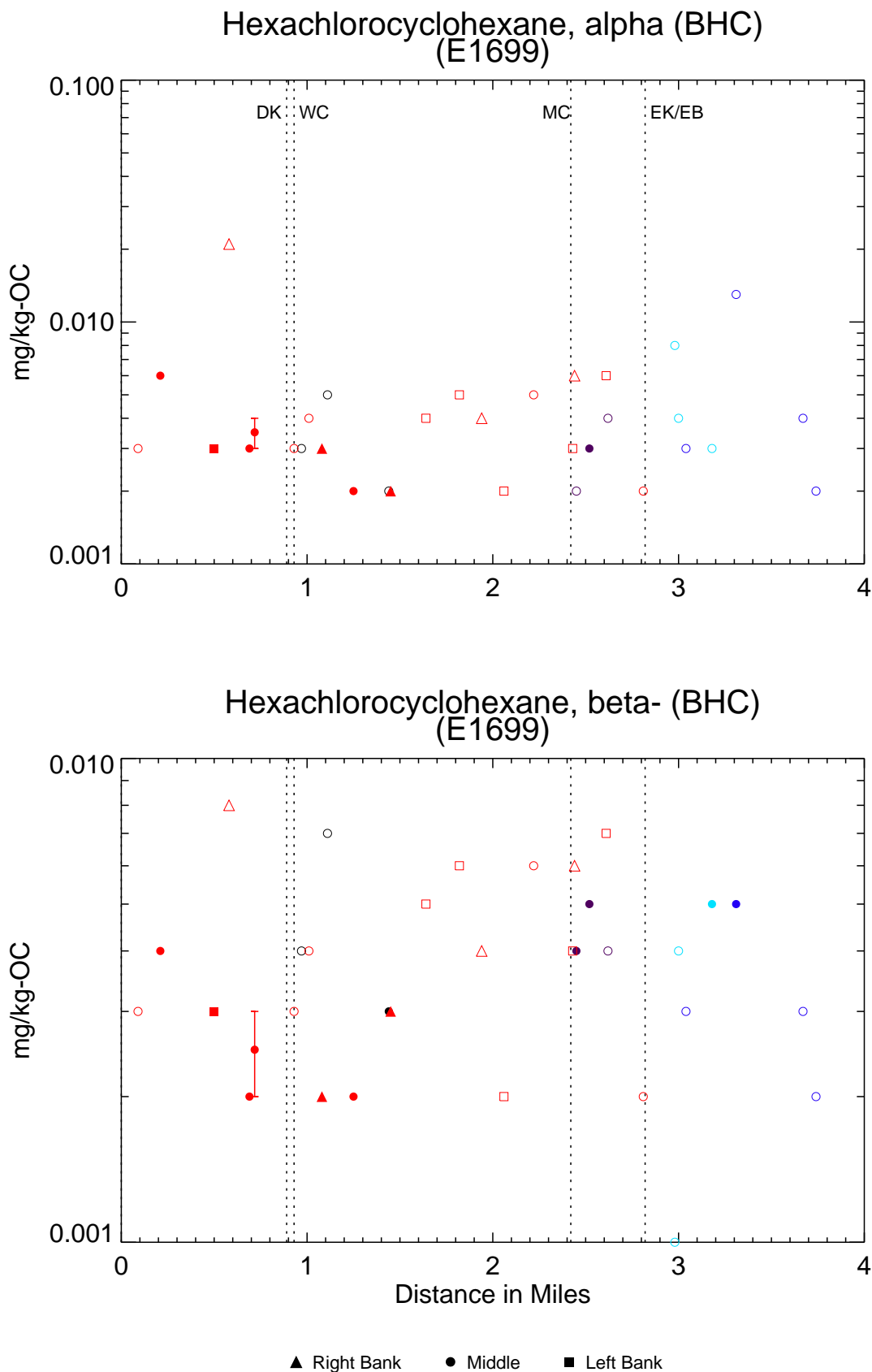
**Figure A4-441**

Surface Sediment Chemical Data (OC Normal) - 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.*



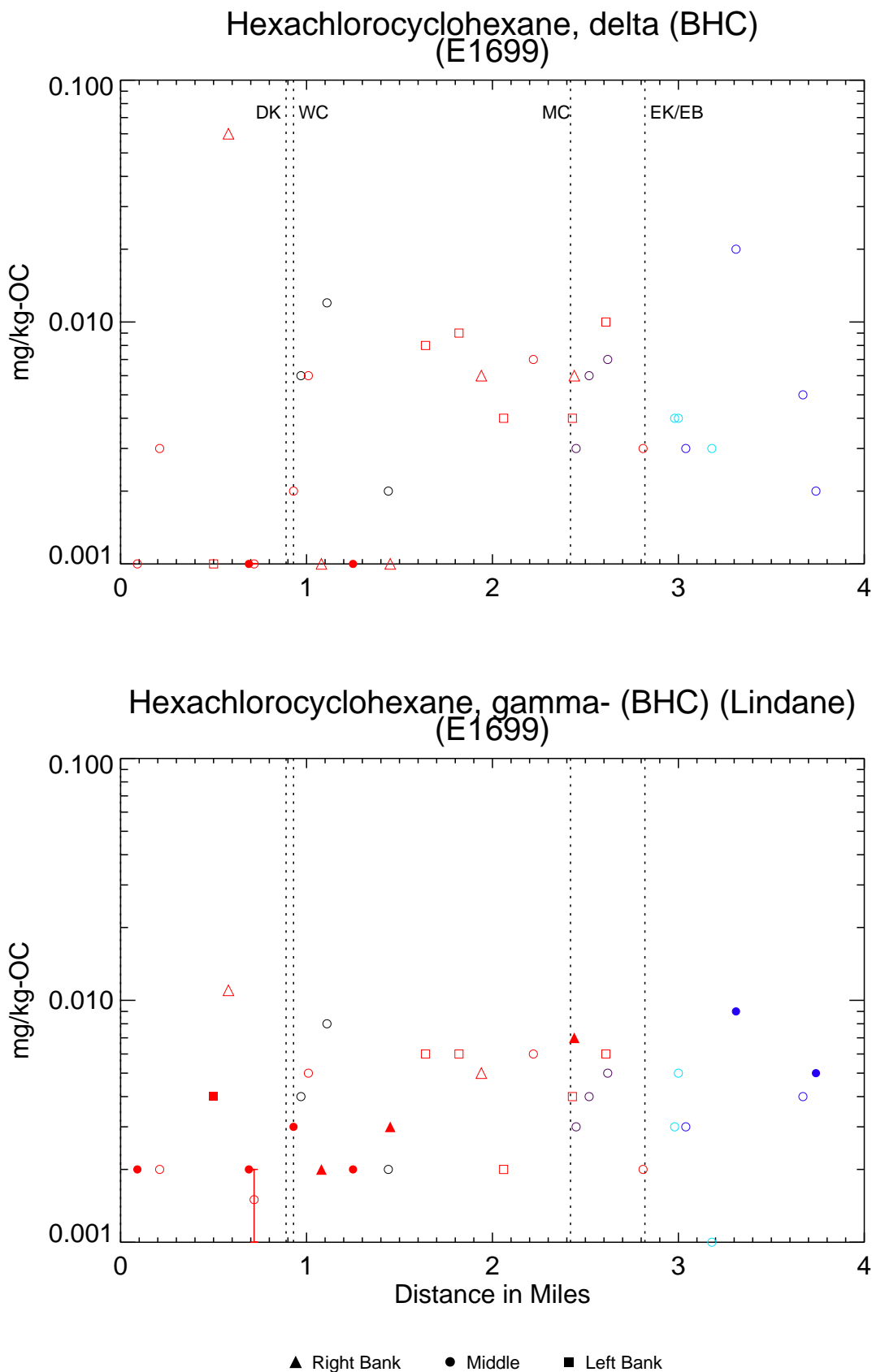
**Figure A4-442**

**Surface Sediment Chemical Data (OC Normal) - 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.*

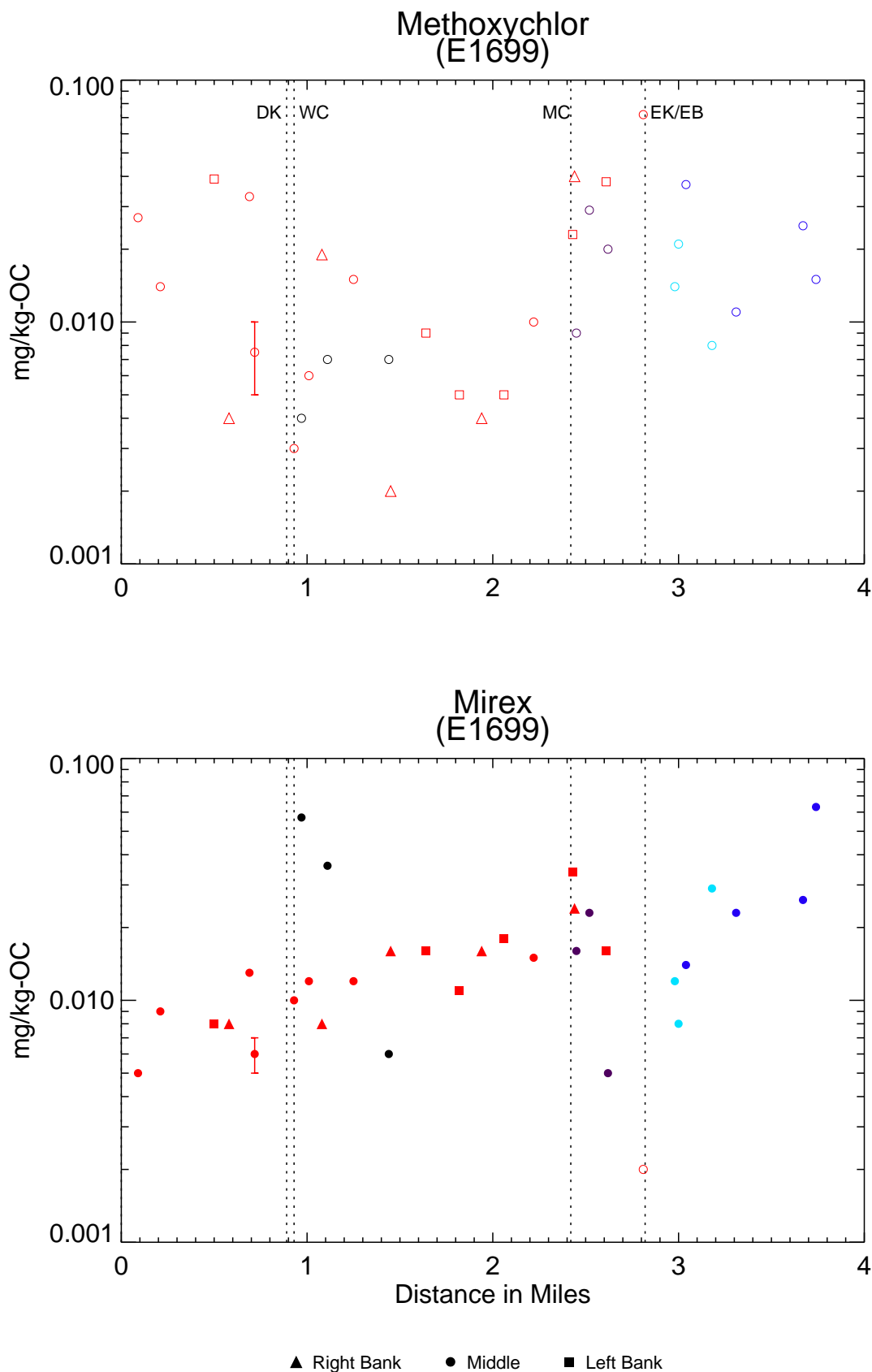
**Figure A4-443**

**Surface Sediment Chemical Data (OC Normal) - 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.*

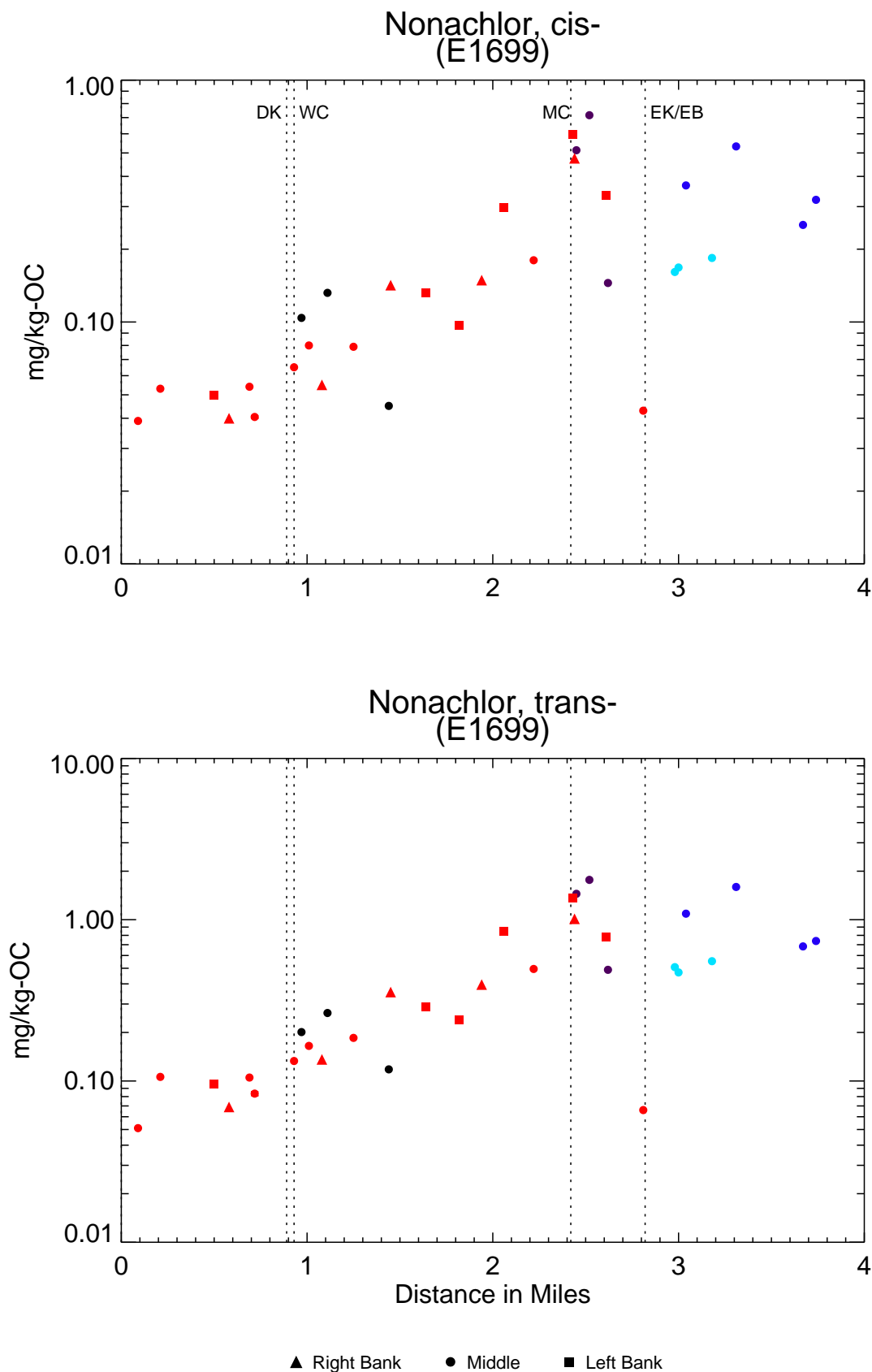
**Figure A4-444**

Surface Sediment Chemical Data (OC Normal) - 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.*

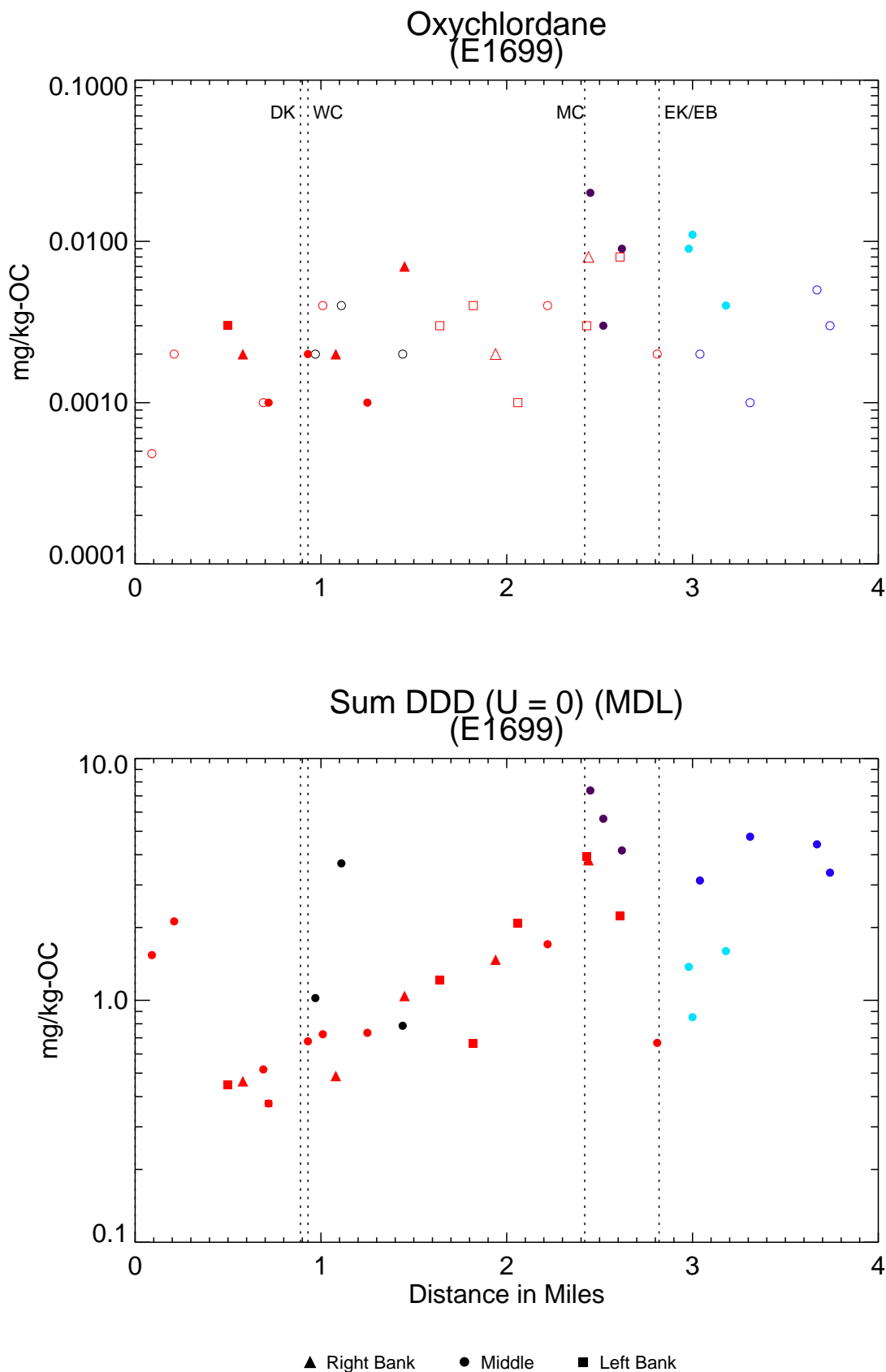
**Figure A4-445**

**Surface Sediment Chemical Data (OC Normal) - 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.*

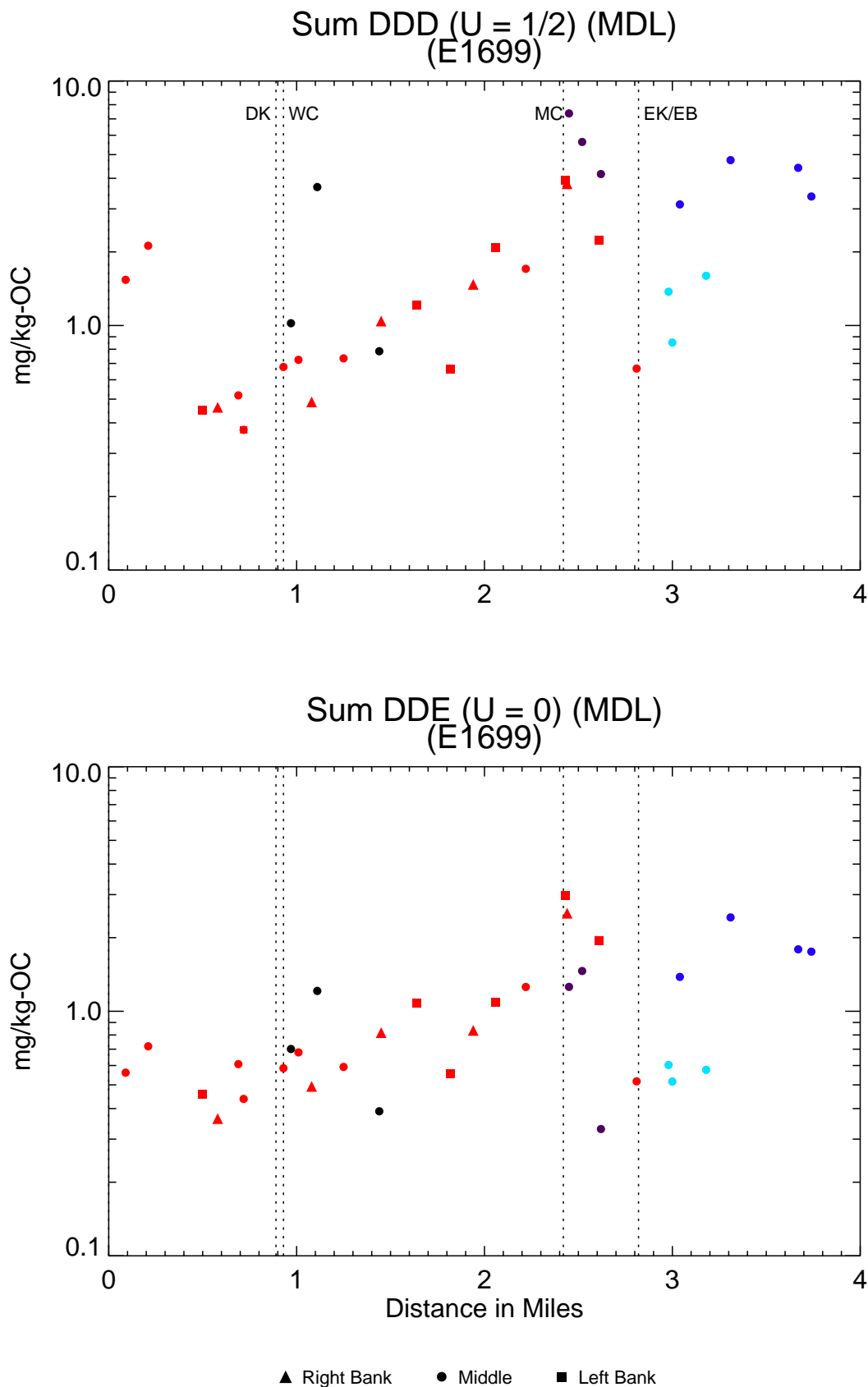
**Figure A4-446**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-447**

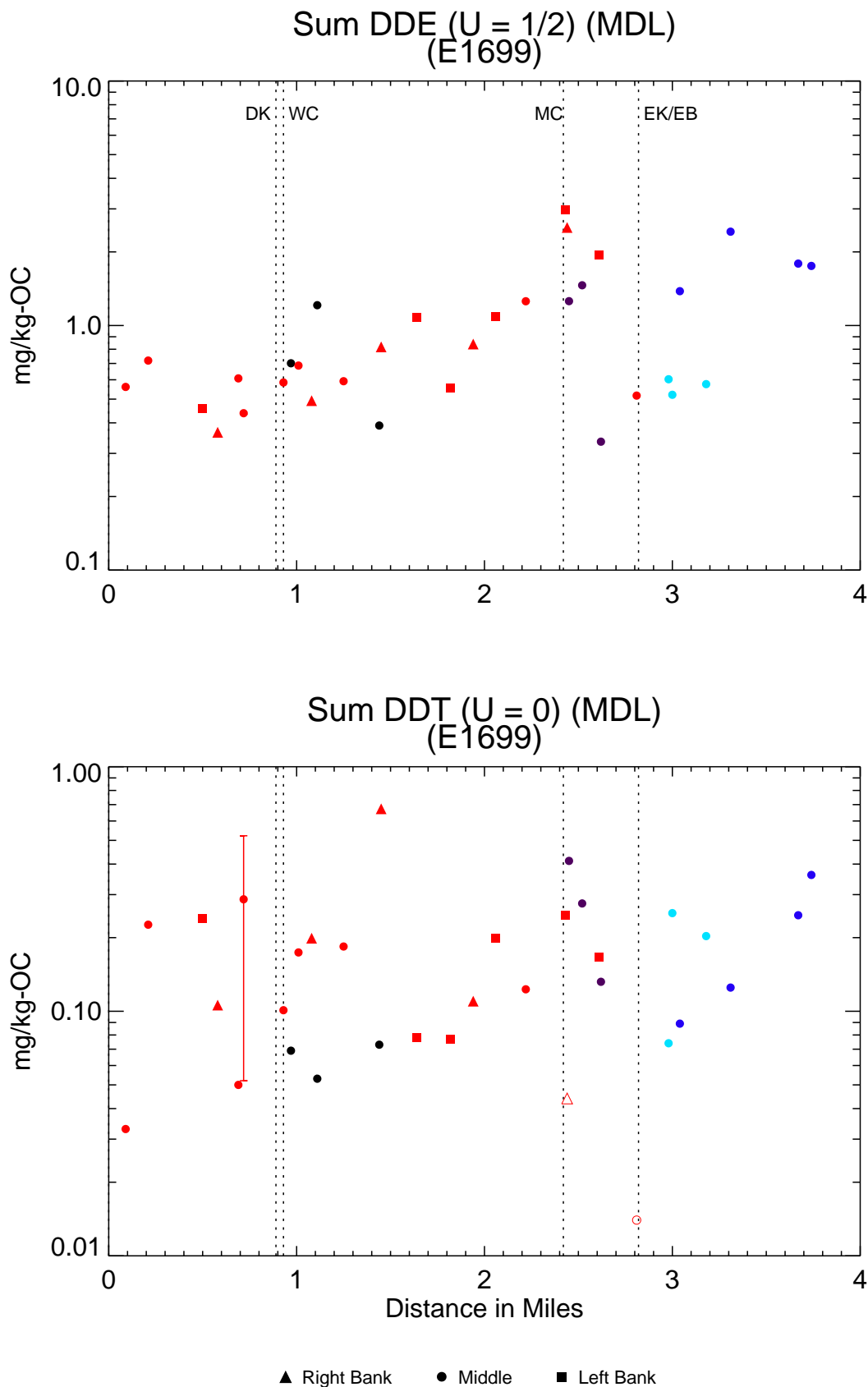
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



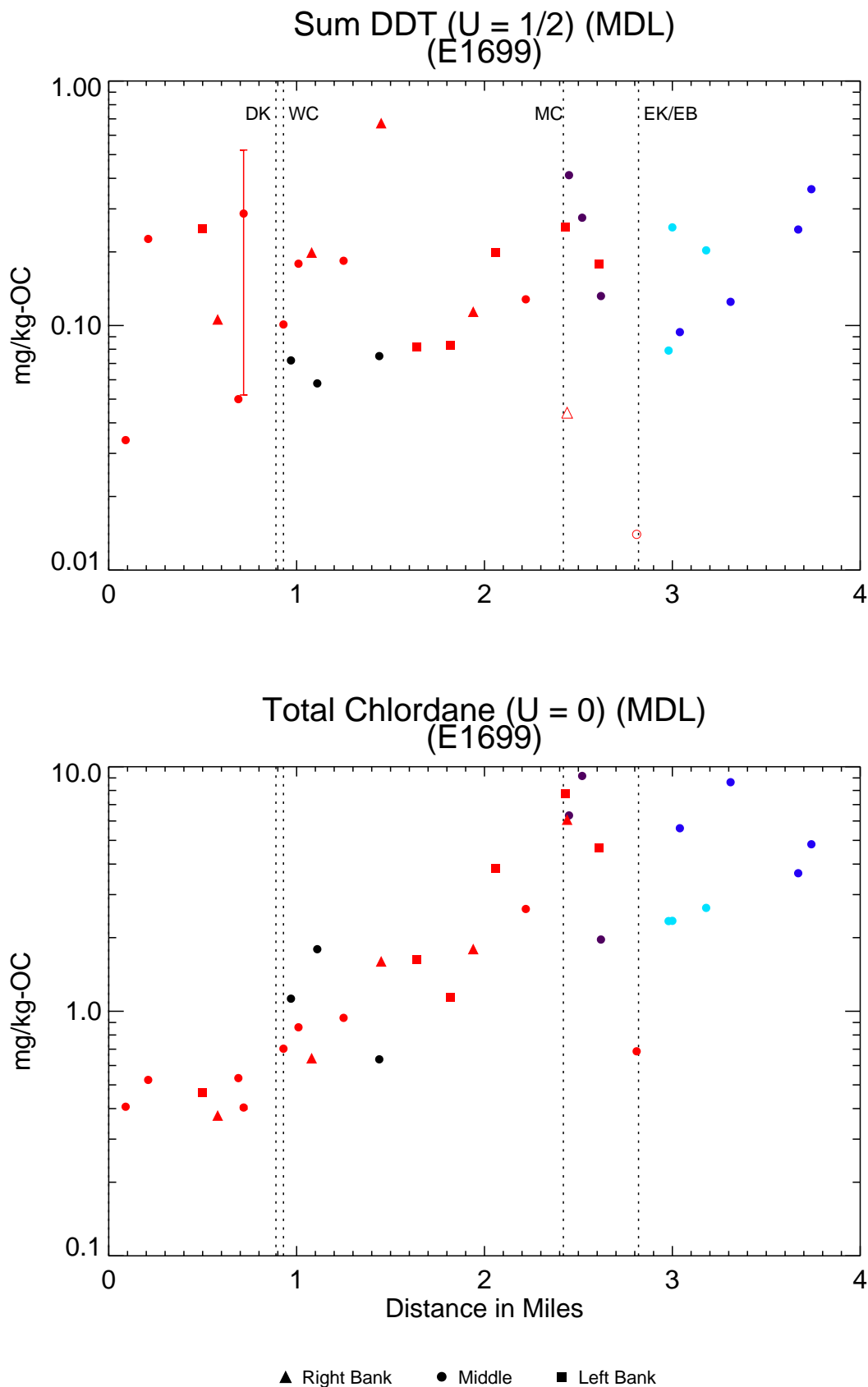
**Figure A4-448**

**Surface Sediment Chemical Data (OC Normal) - 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.*

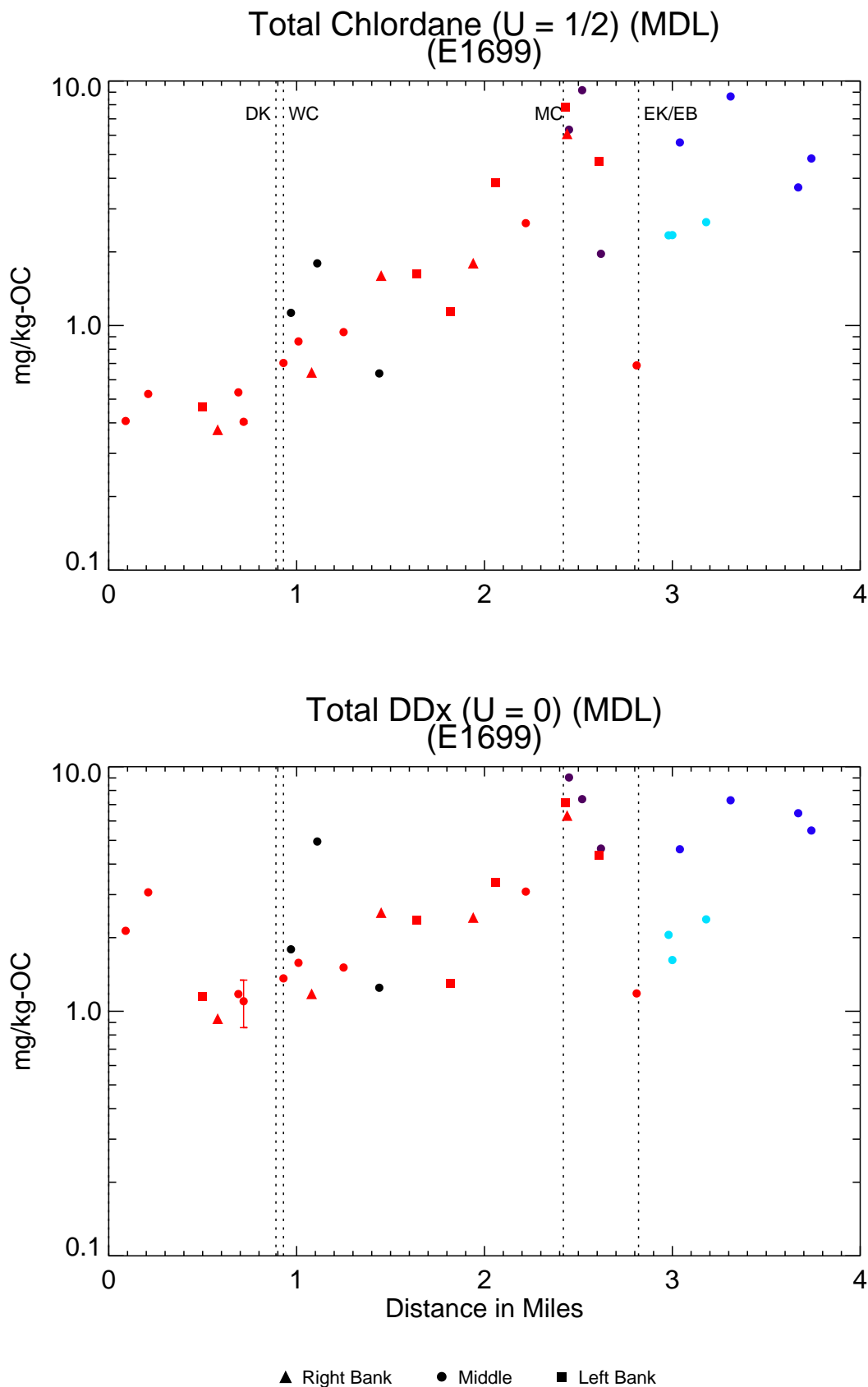
**Figure A4-449**

**Surface Sediment Chemical Data (OC Normal) - 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.*



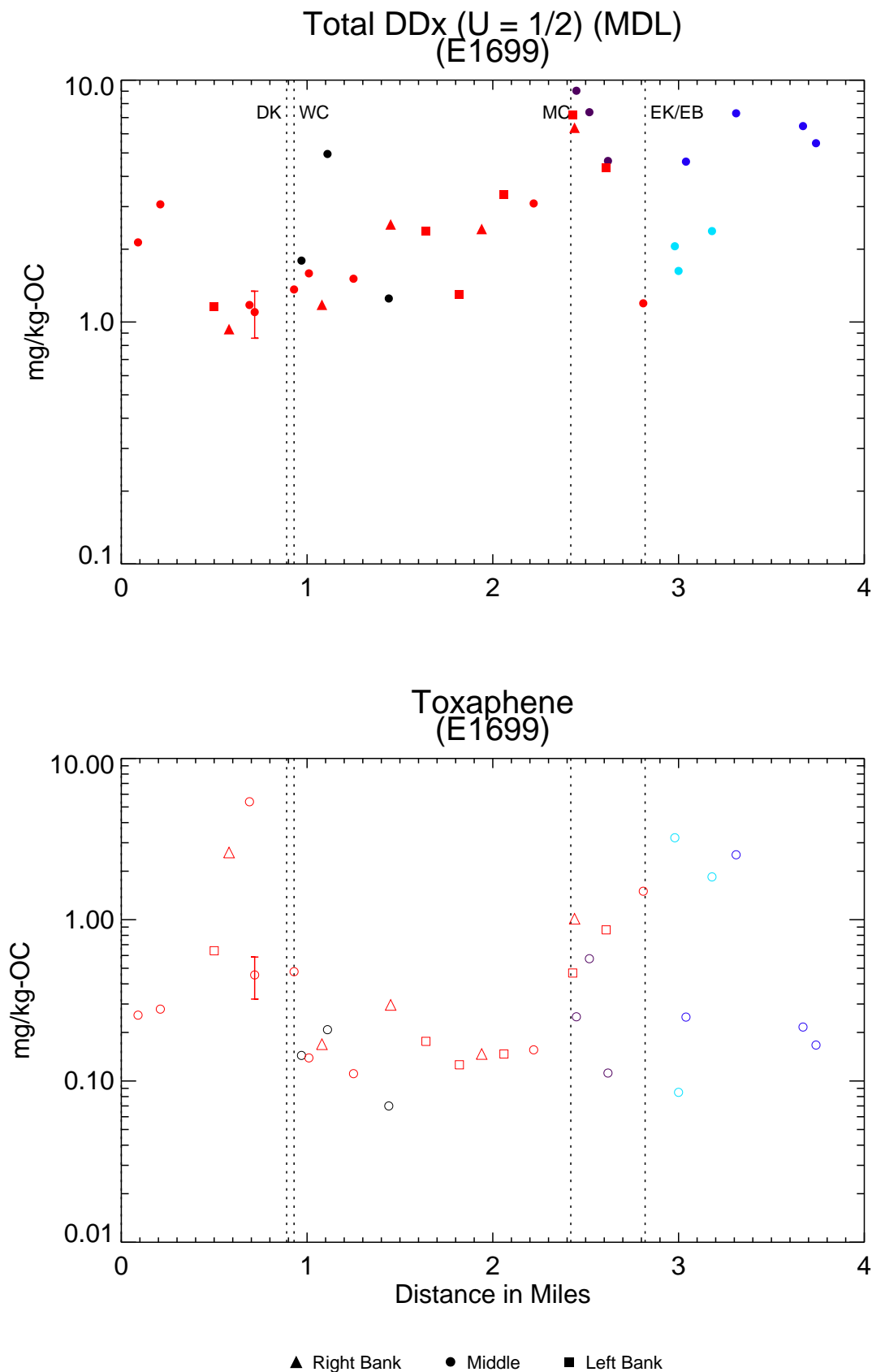
**Figure A4-450**

**Surface Sediment Chemical Data (OC Normal) - 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.*



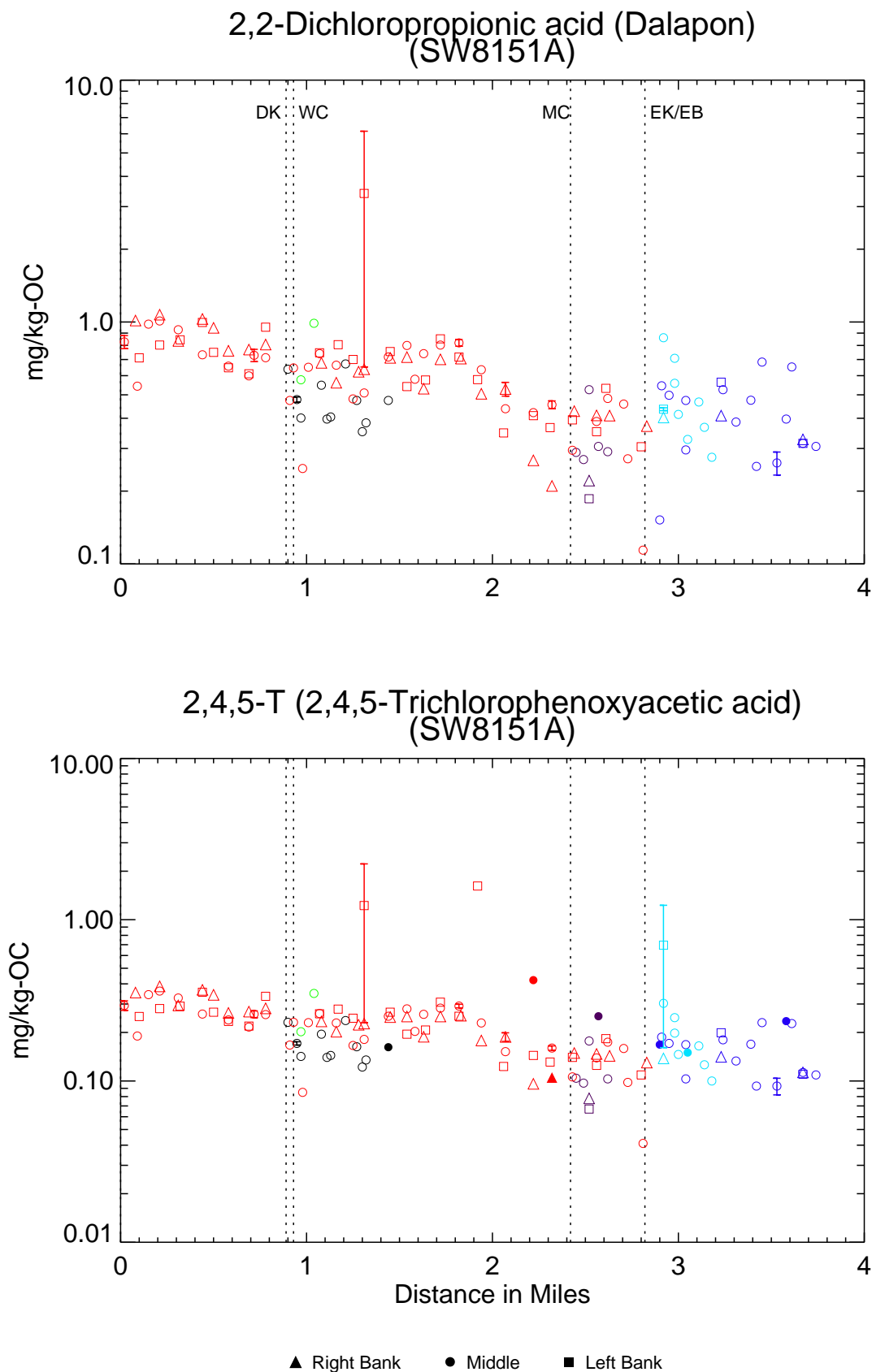
**Figure A4-451**

**Surface Sediment Chemical Data (OC Normal) - 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.*

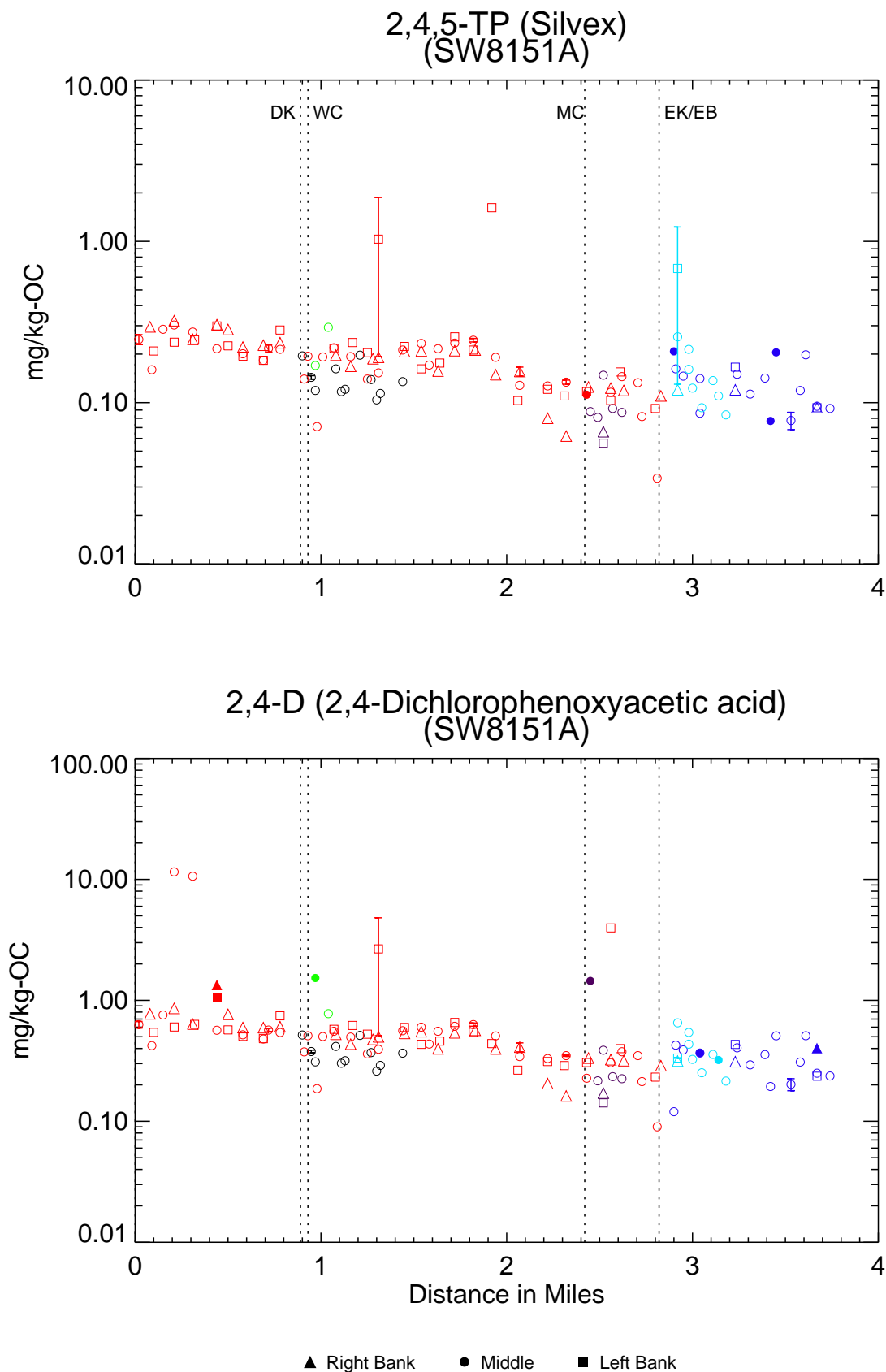
**Figure A4-452**

**Surface Sediment Chemical Data (OC Normal) - 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.*

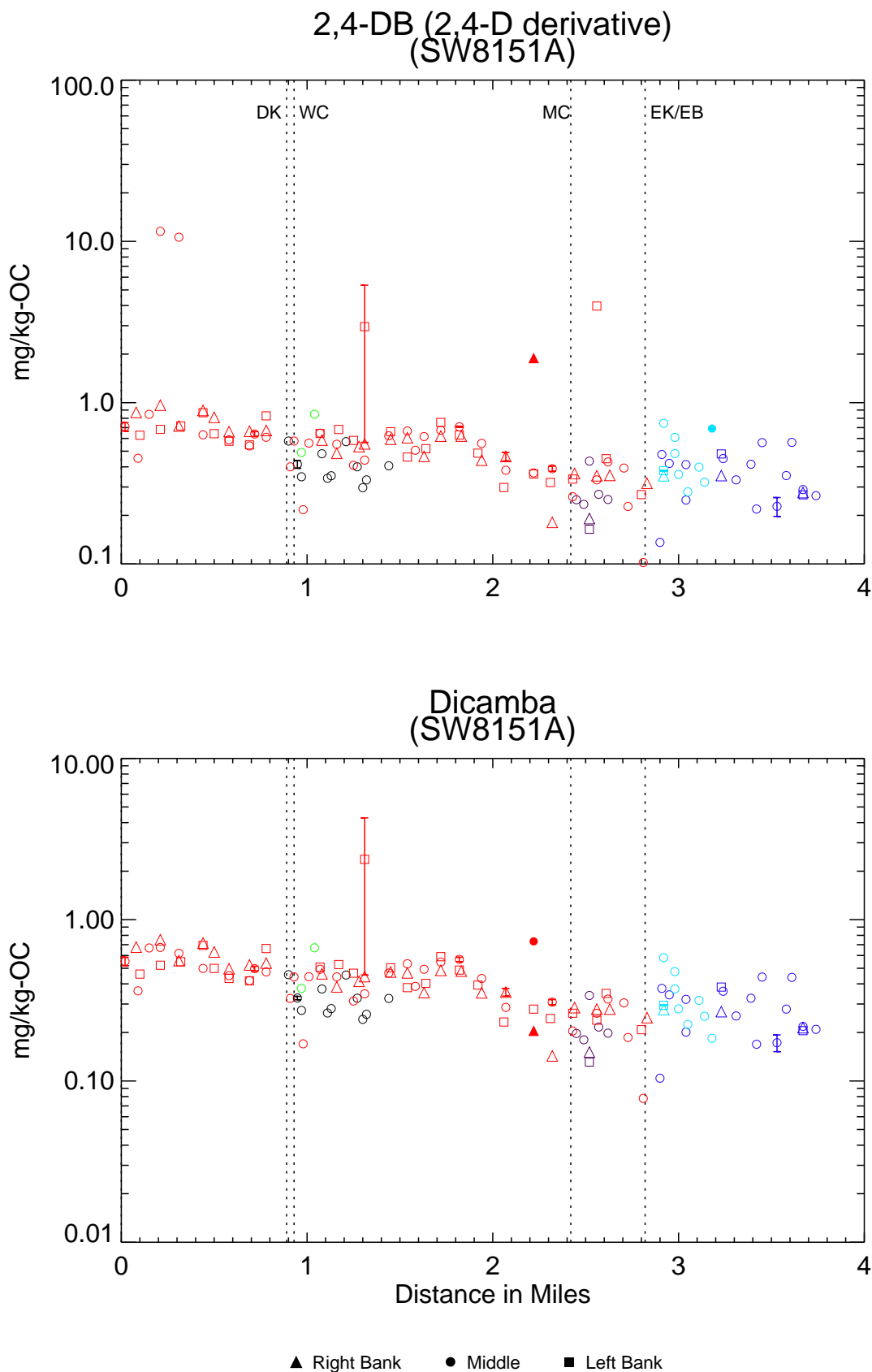
**Figure A4-453**

**Surface Sediment Chemical Data (OC Normal) - 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.*



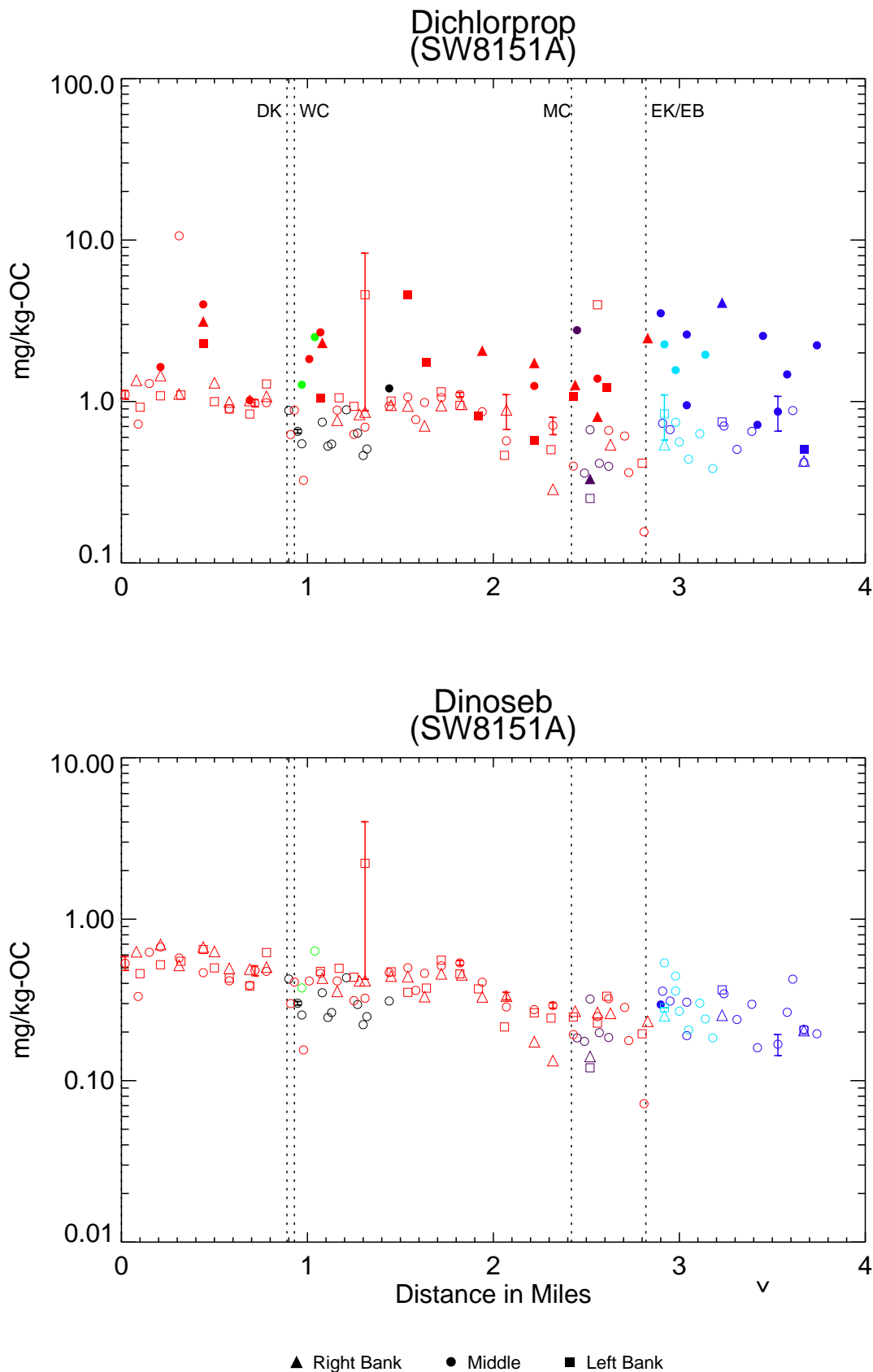
**Figure A4-454**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-455**

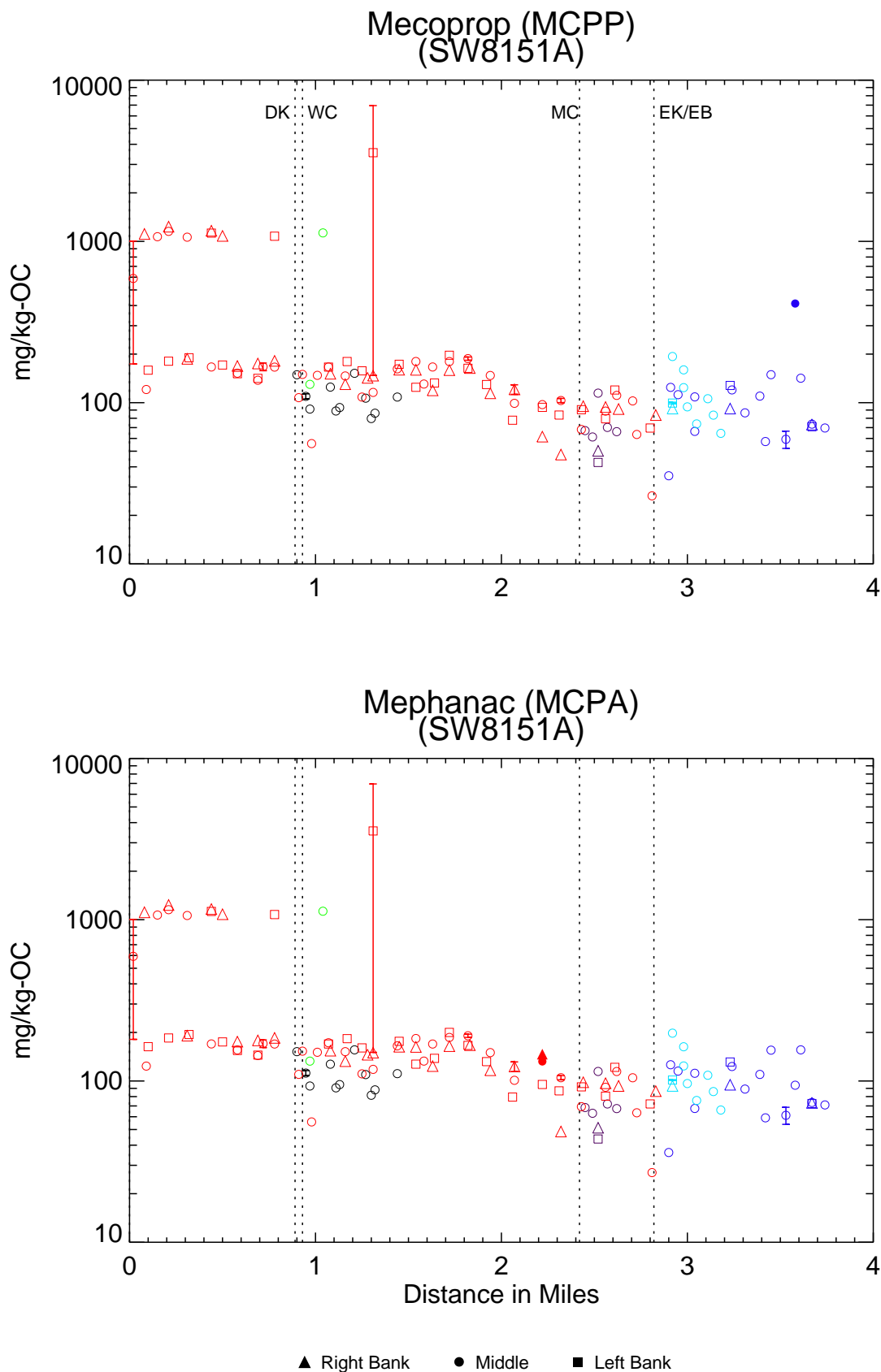
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



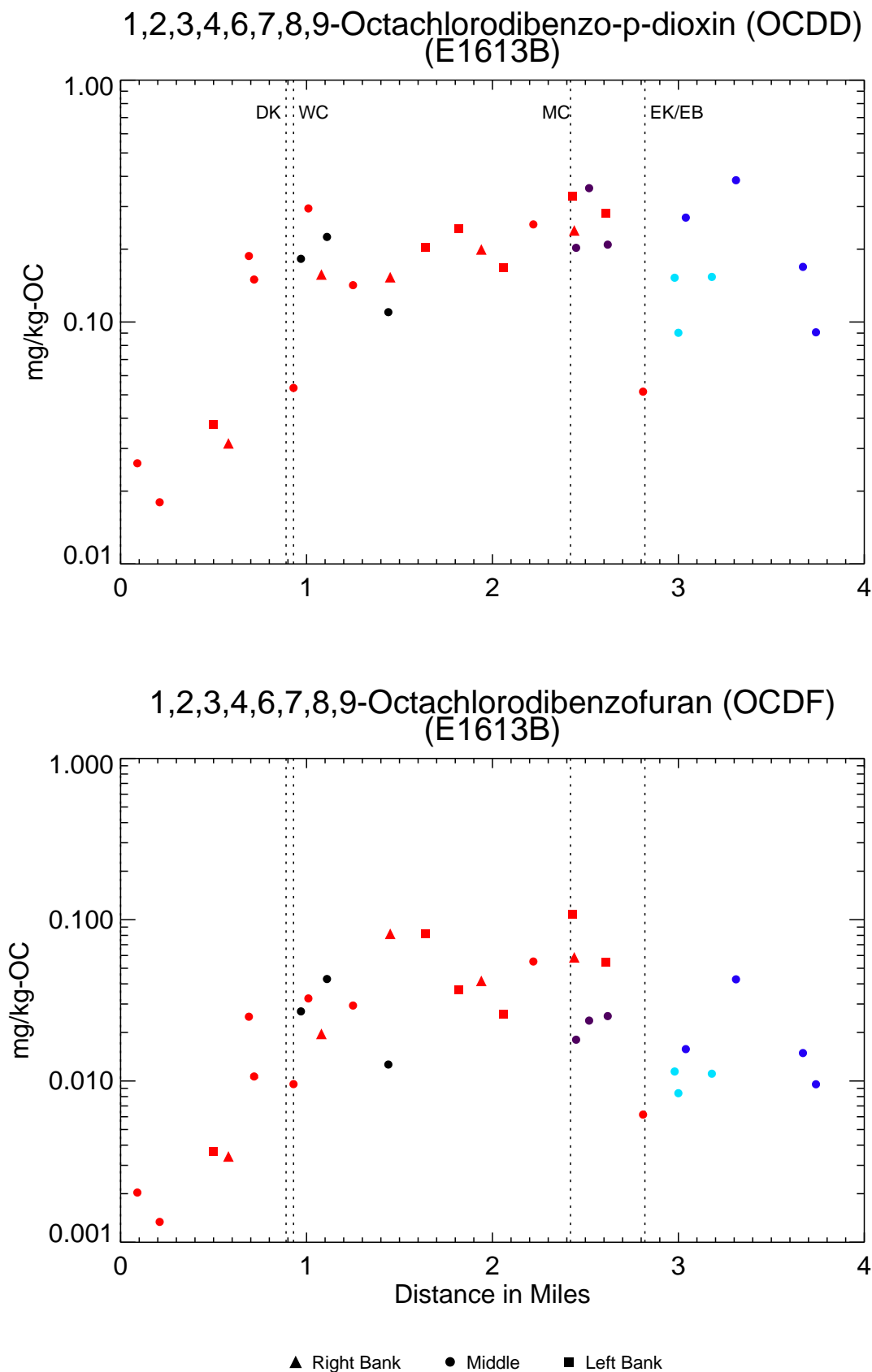
**Figure A4-456**

**Surface Sediment Chemical Data (OC Normal) - 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.*



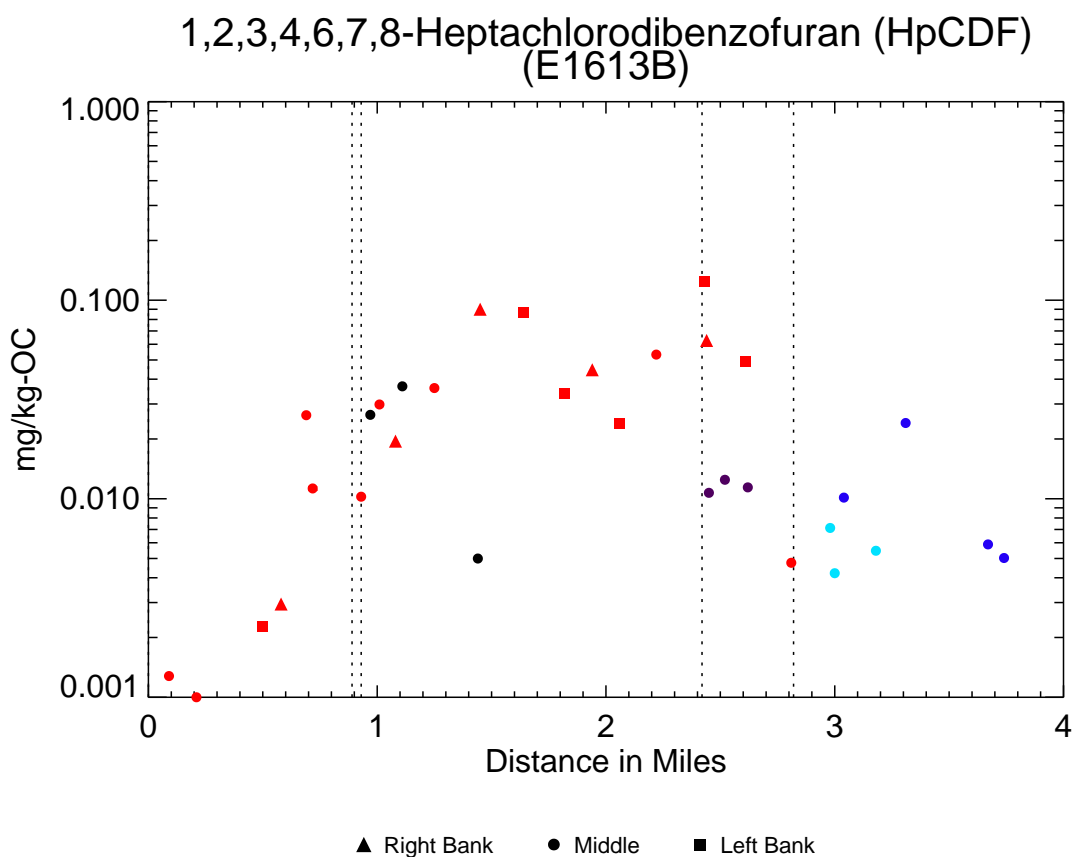
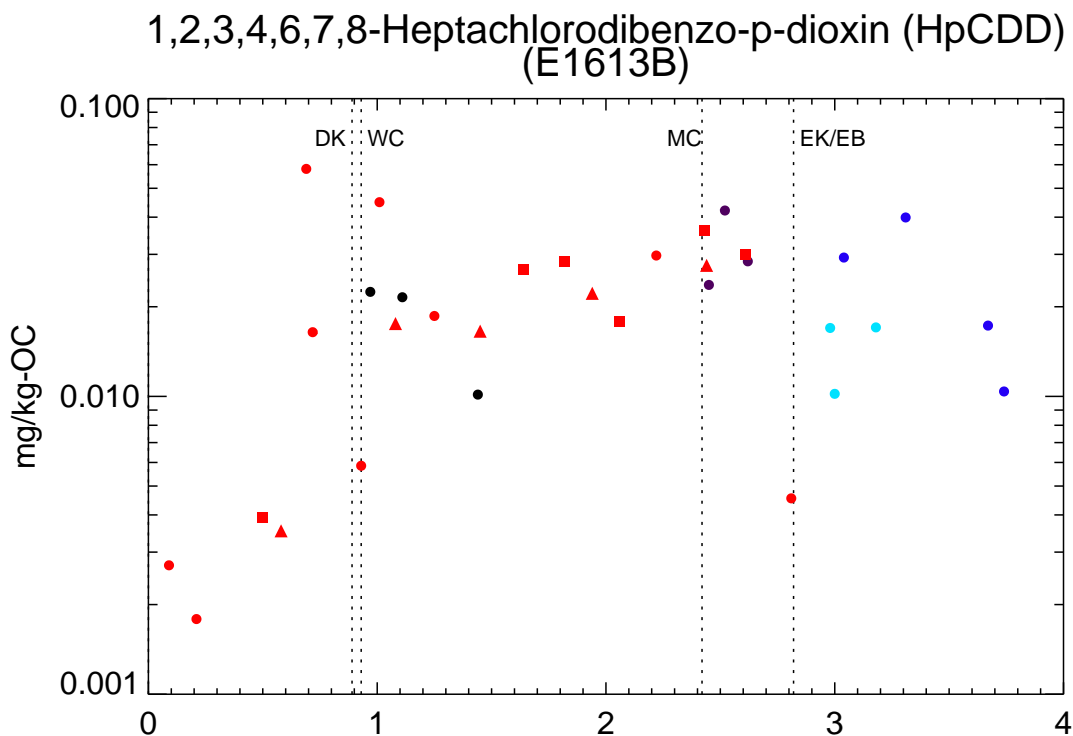
**Figure A4-457**

**Surface Sediment Chemical Data (OC Normal) - 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.*

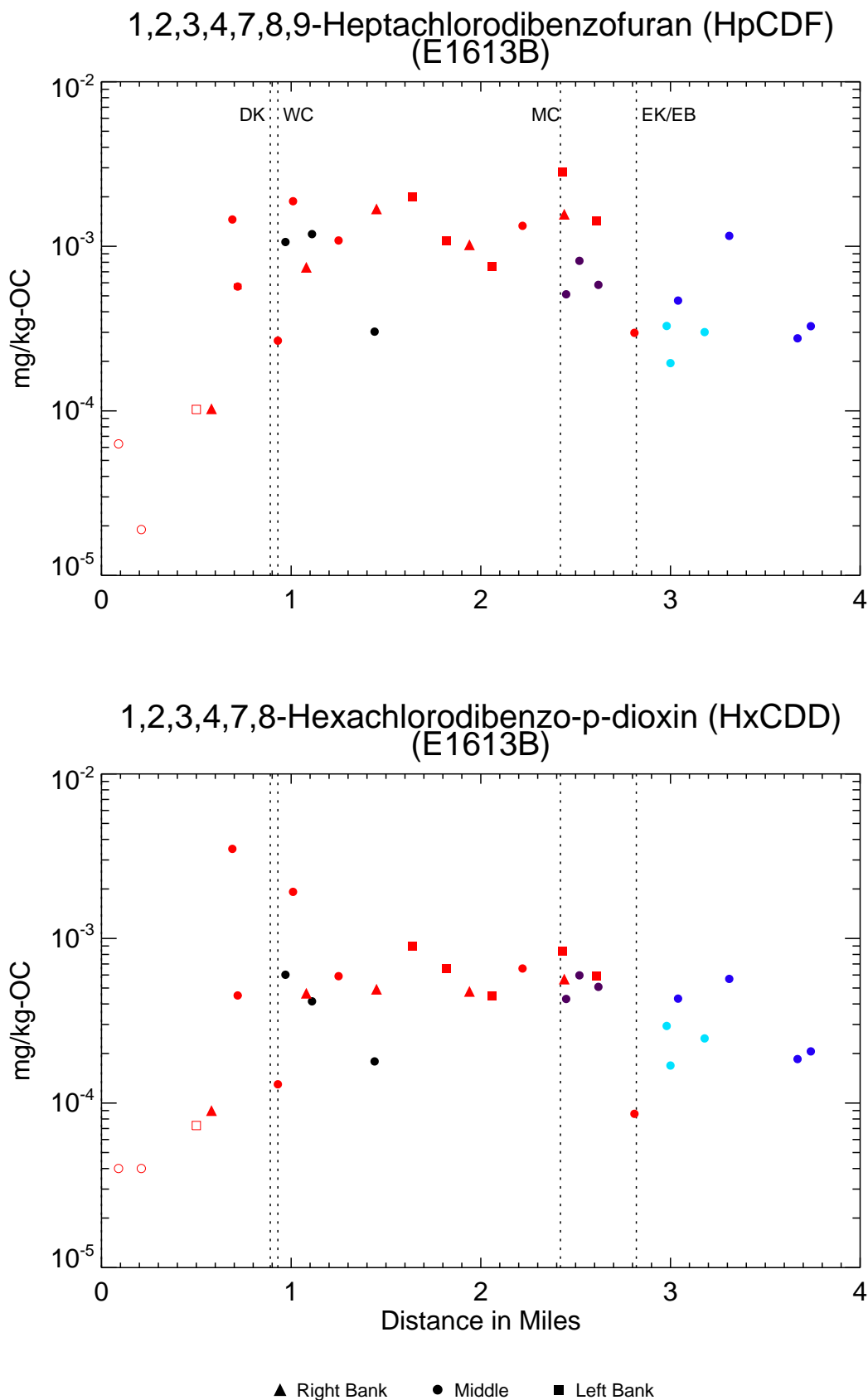
**Figure A4-458**

**Surface Sediment Chemical Data (OC Normal) - 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.*



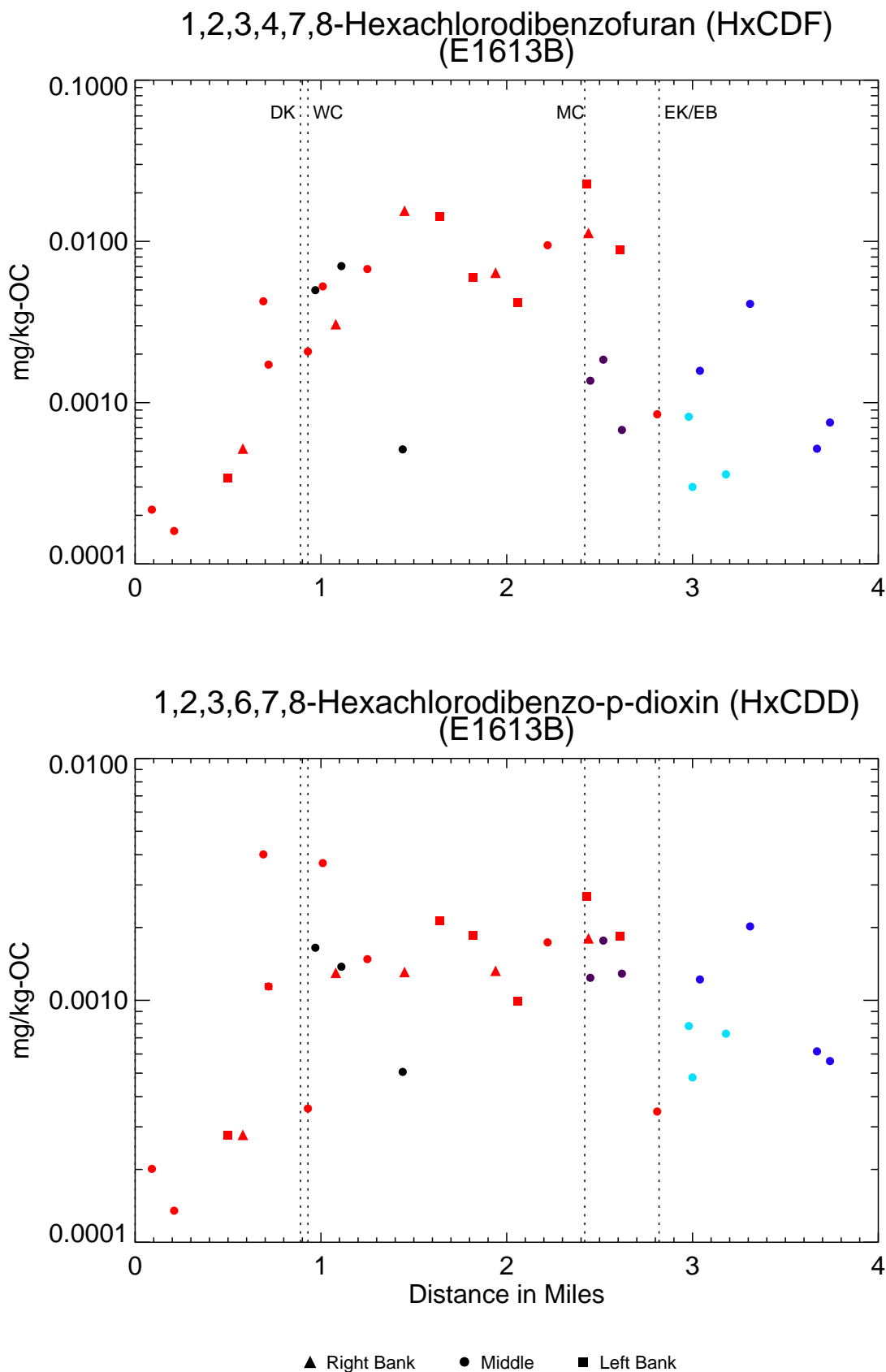
**Figure A4-459**

**Surface Sediment Chemical Data (OC Normal) - 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.*



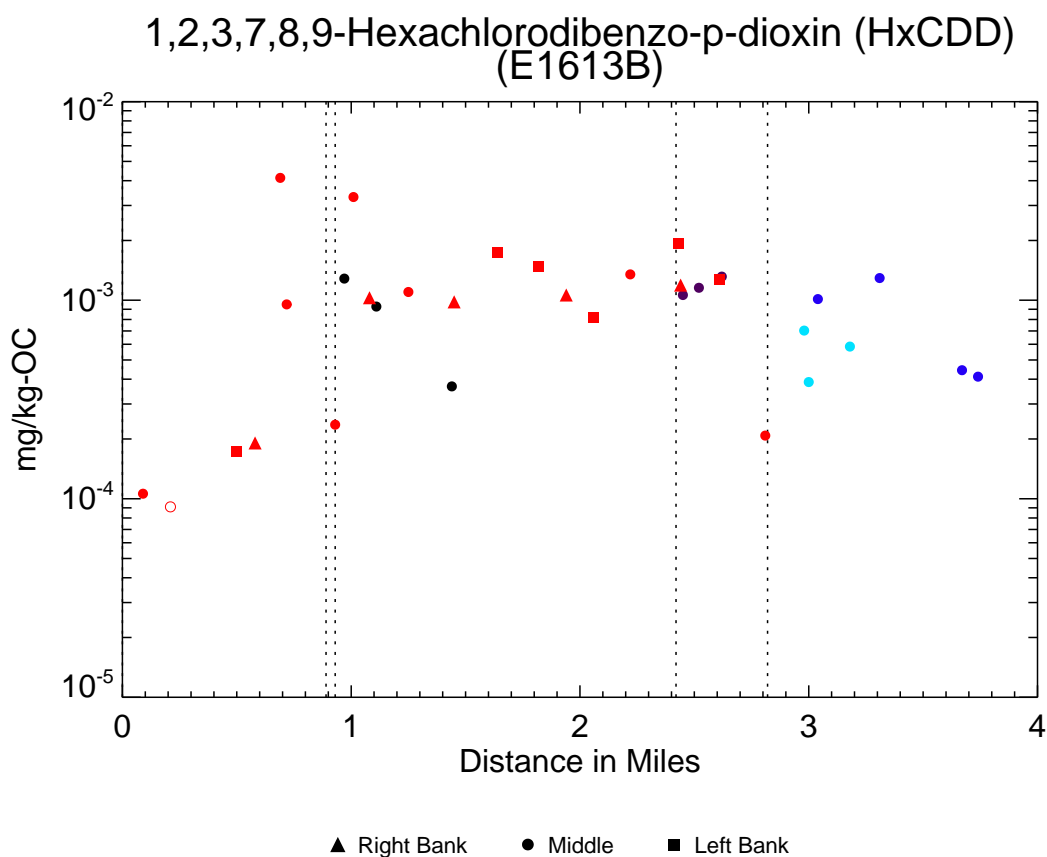
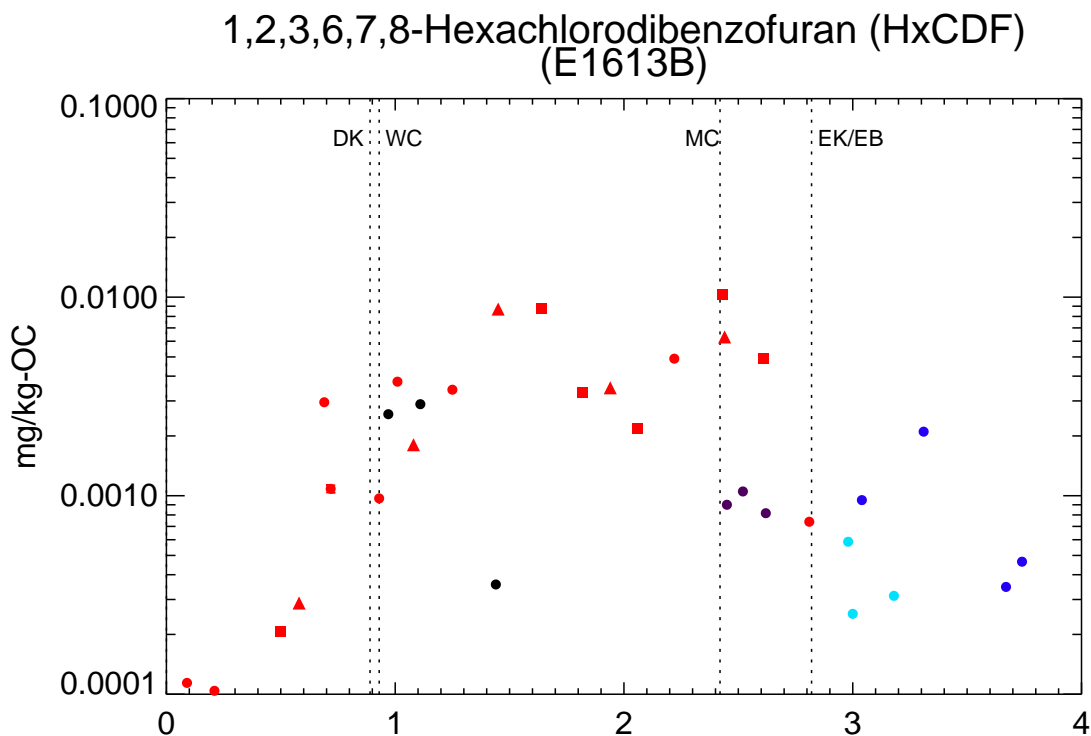
**Figure A4-460**

**Surface Sediment Chemical Data (OC Normal) - 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.*



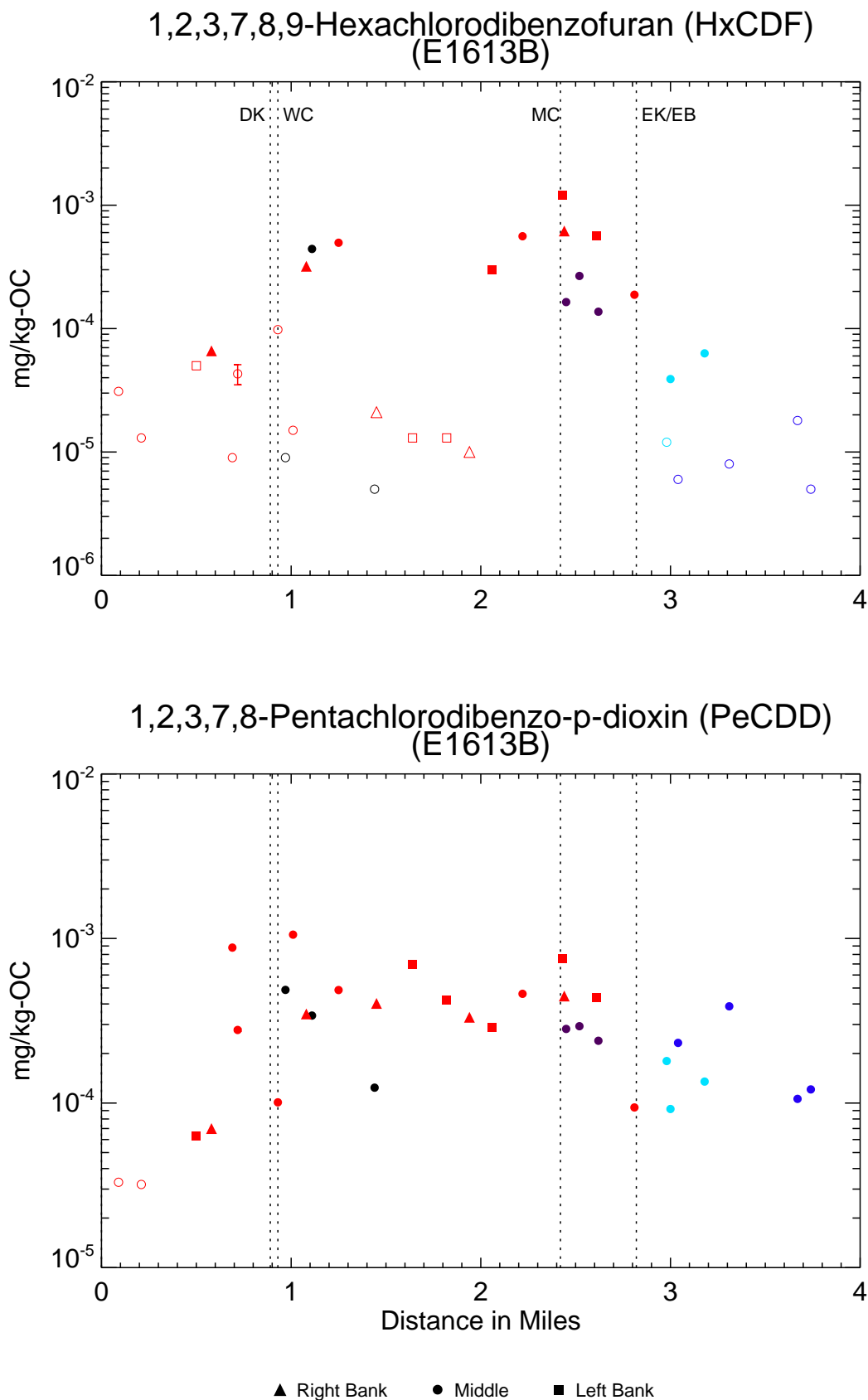
**Figure A4-461**

**Surface Sediment Chemical Data (OC Normal) - 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.*



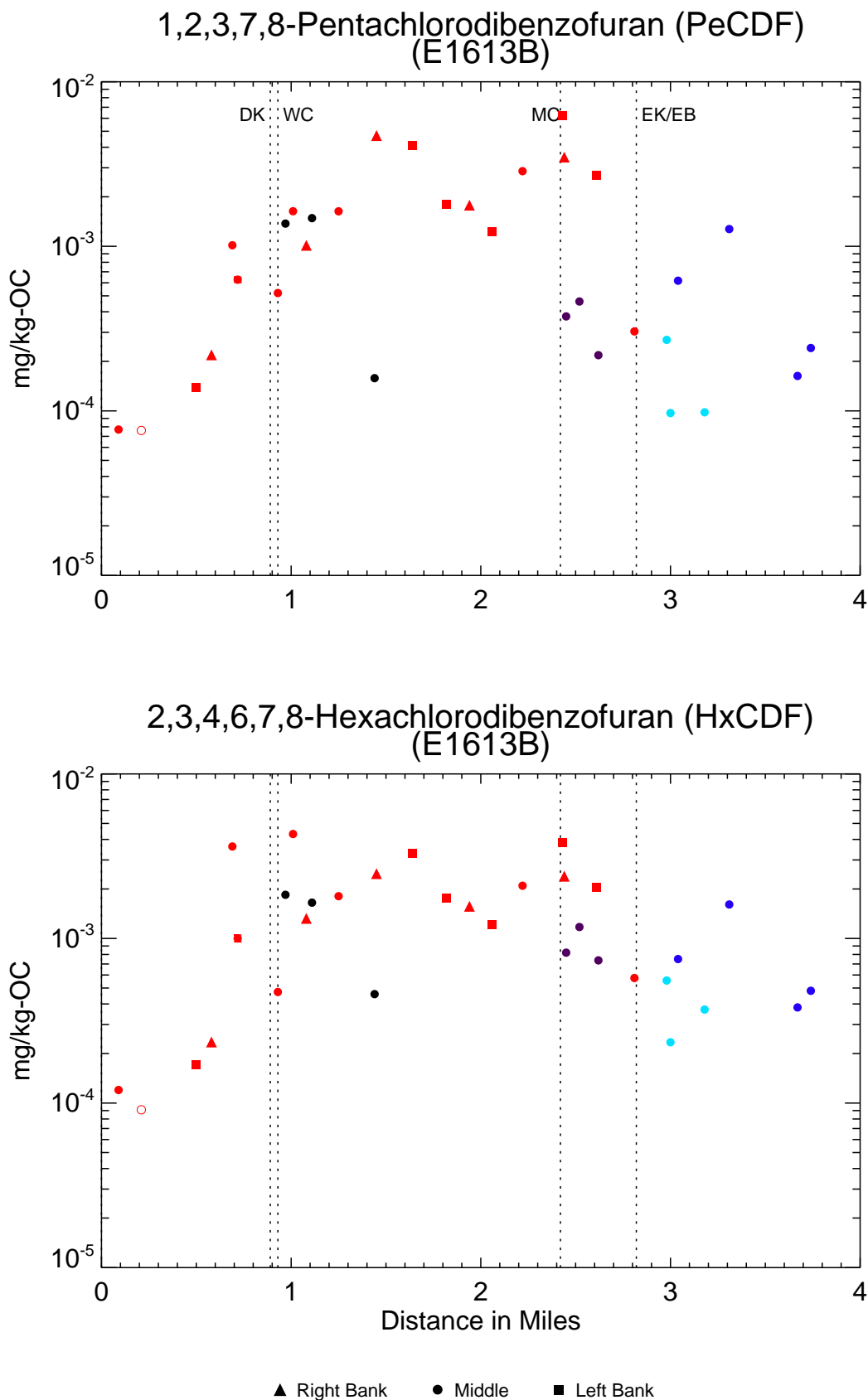
**Figure A4-462**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-463**

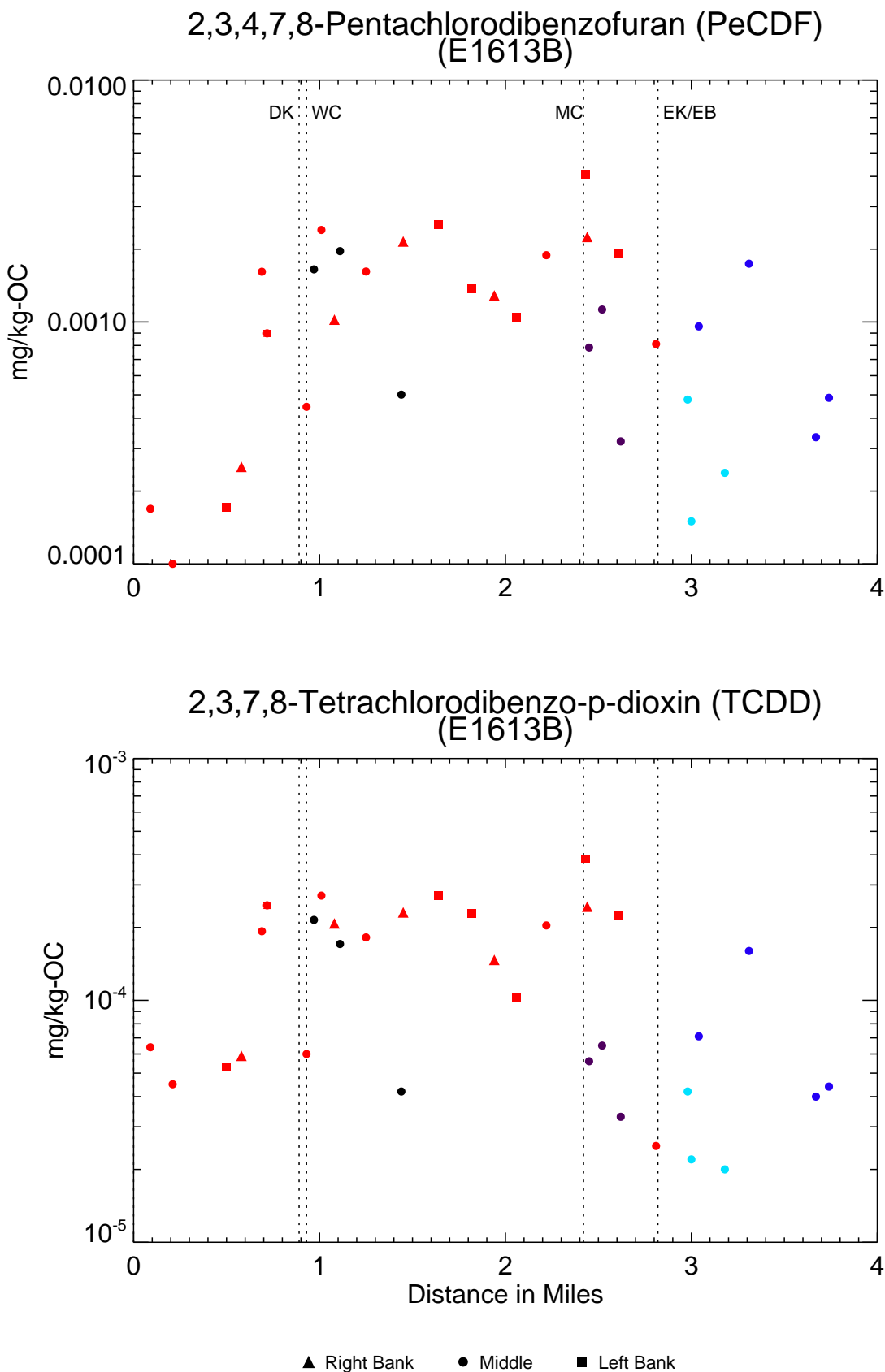
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





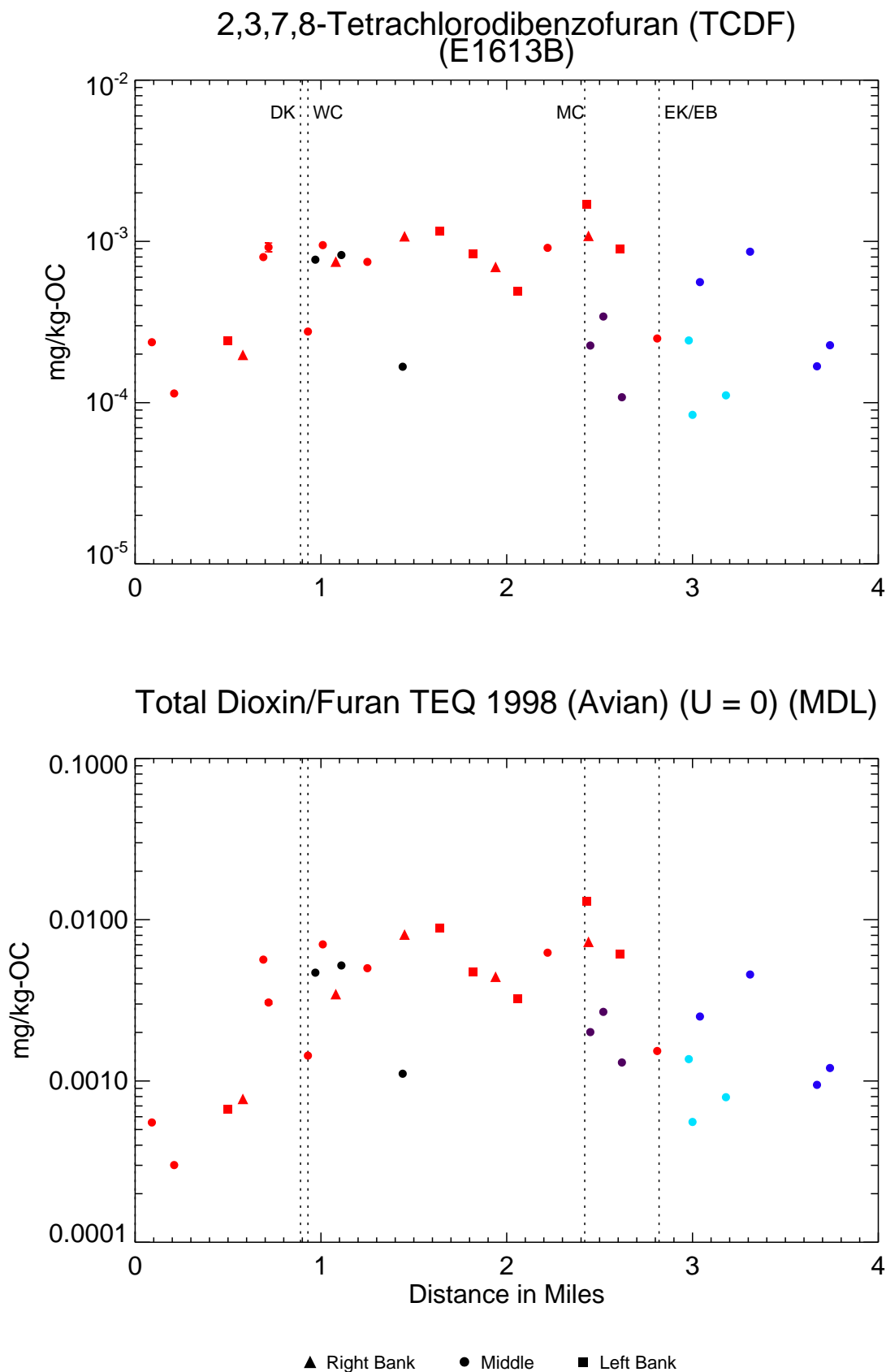
**Figure A4-464**

Surface Sediment Chemical Data (OC Normal) - 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 A4-465**

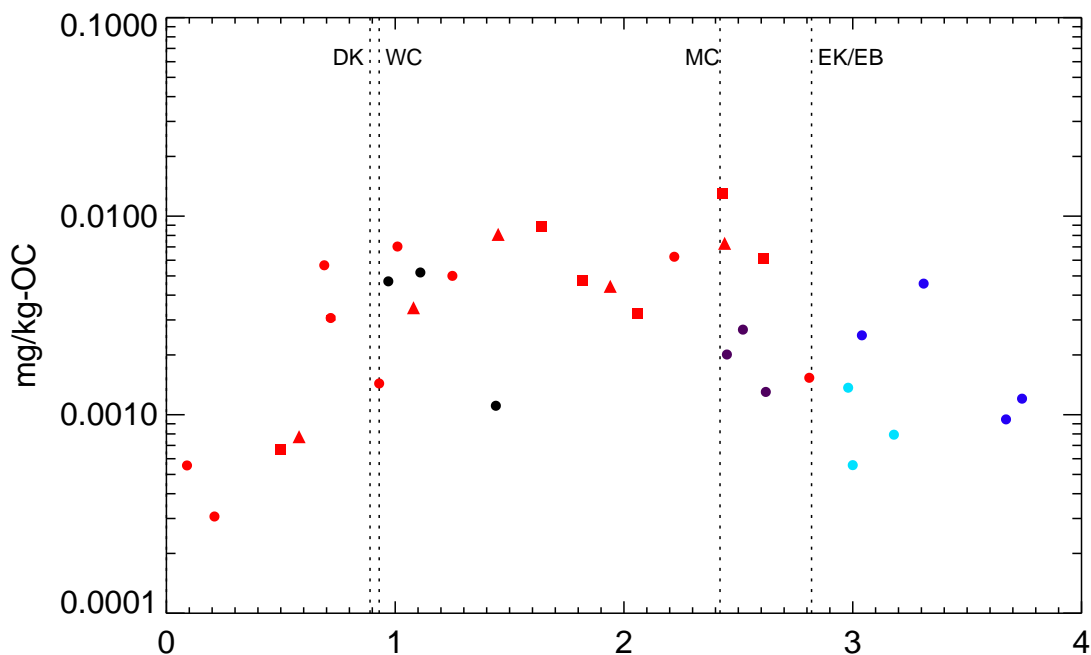
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**



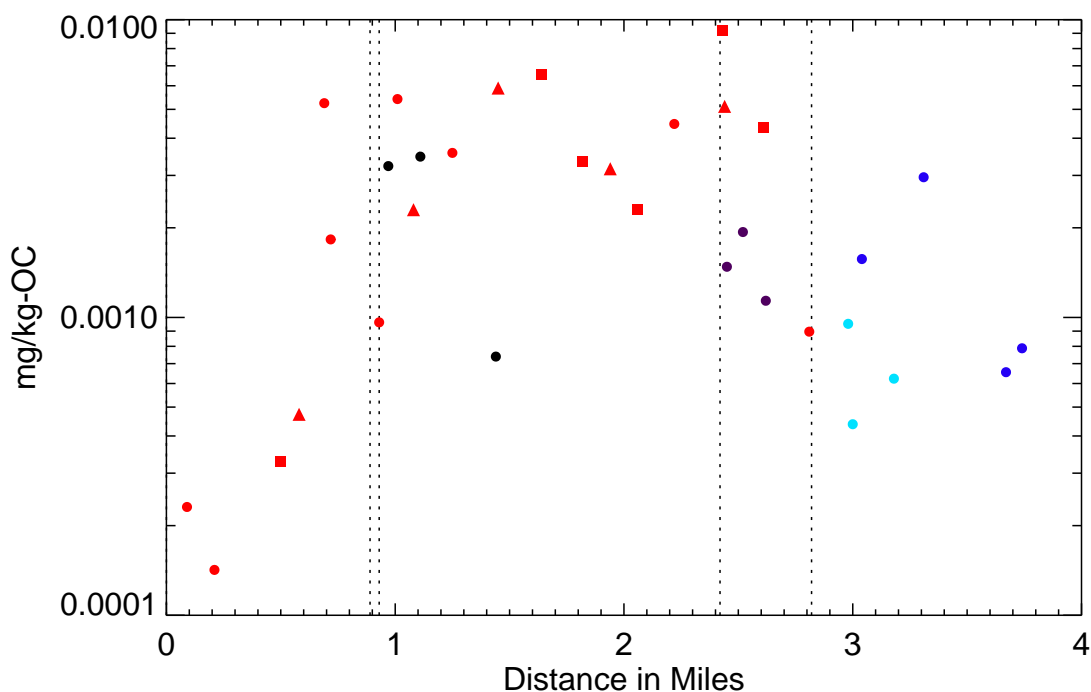
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

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



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



▲ Right Bank    ● Middle    ■ Left Bank

**Figure A4-466**

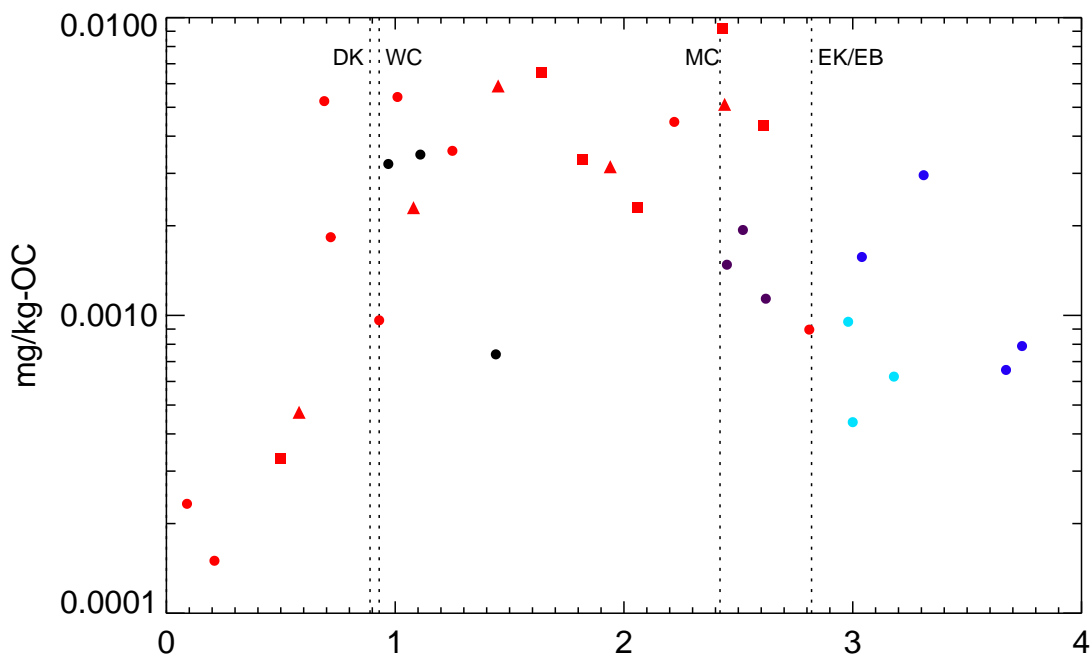
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



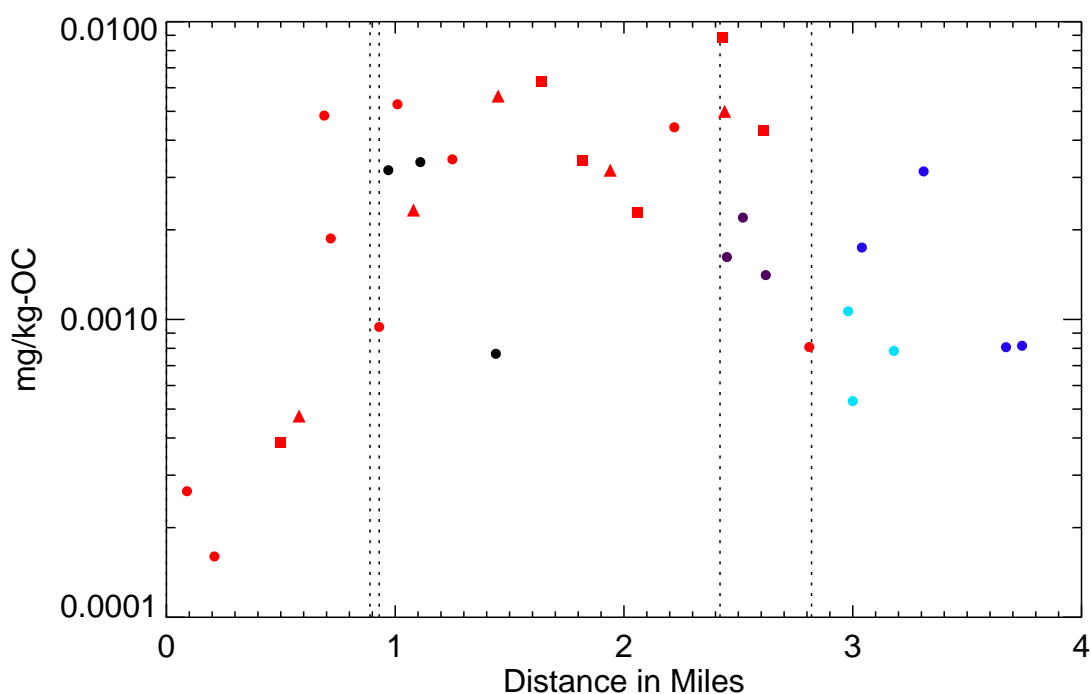
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

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



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



▲ Right Bank    ● Middle    ■ Left Bank

**Figure A4-467**

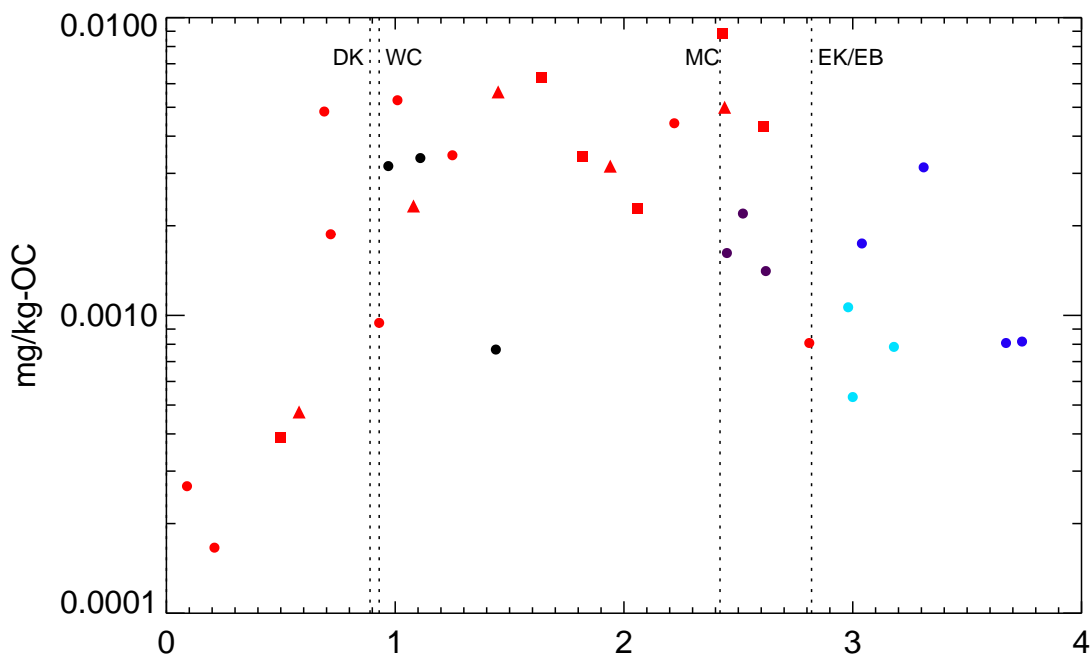
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



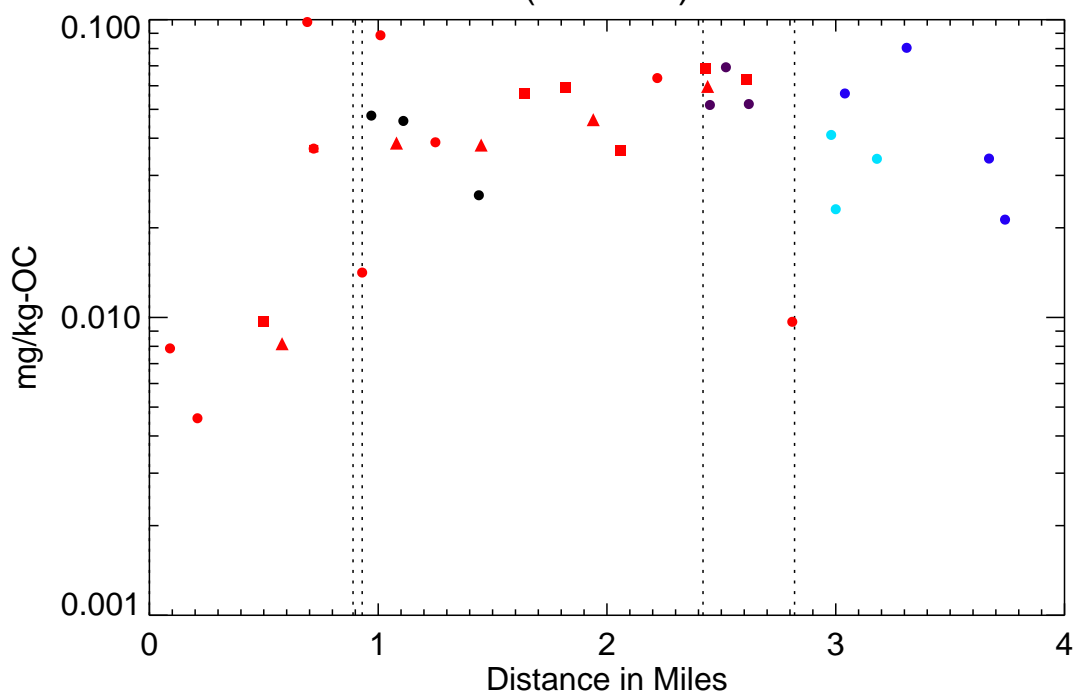
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

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



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



▲ Right Bank    ● Middle    ■ Left Bank

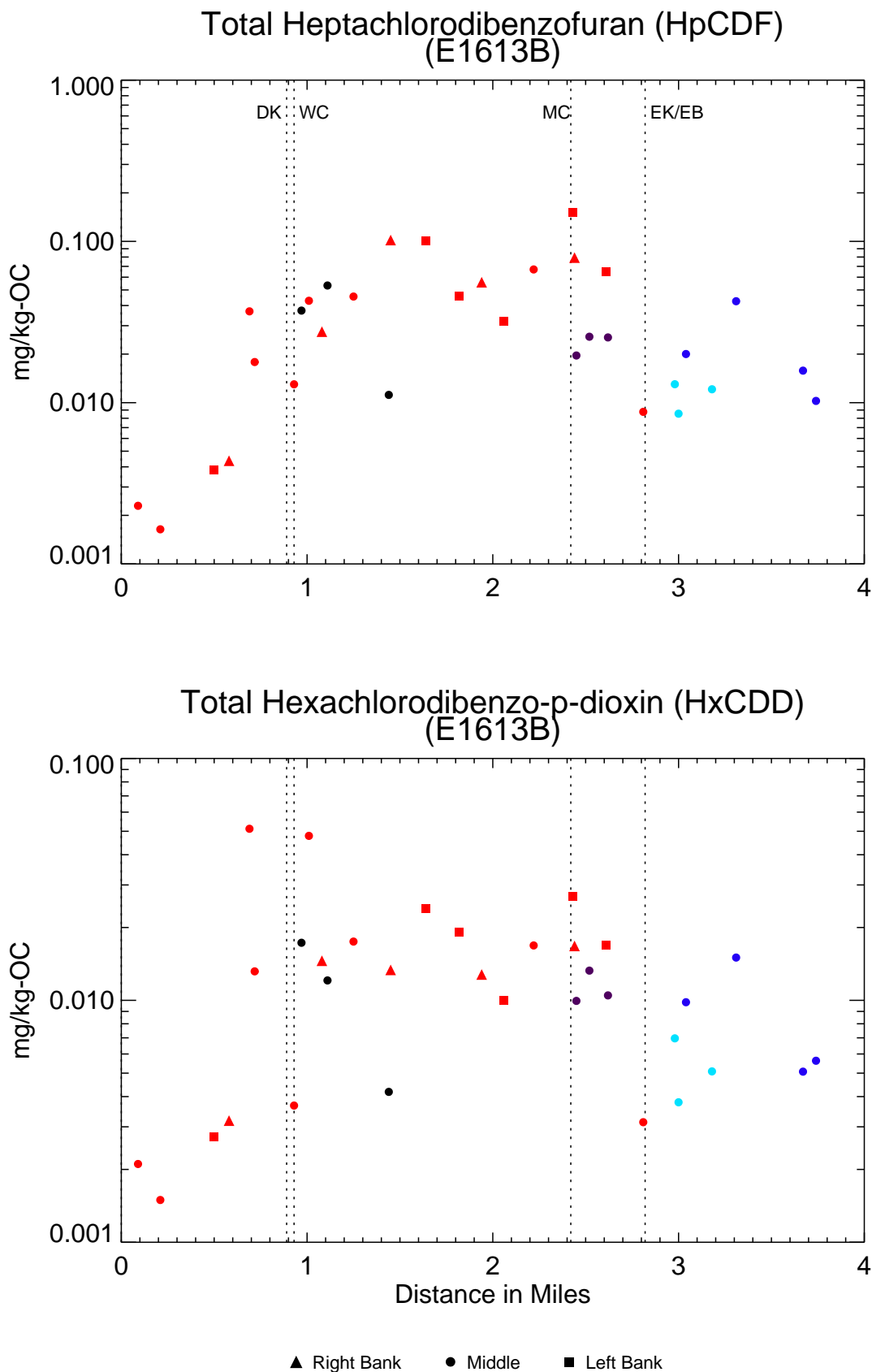
**Figure A4-468**

Surface Sediment Chemical Data (OC Normal) - 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.*

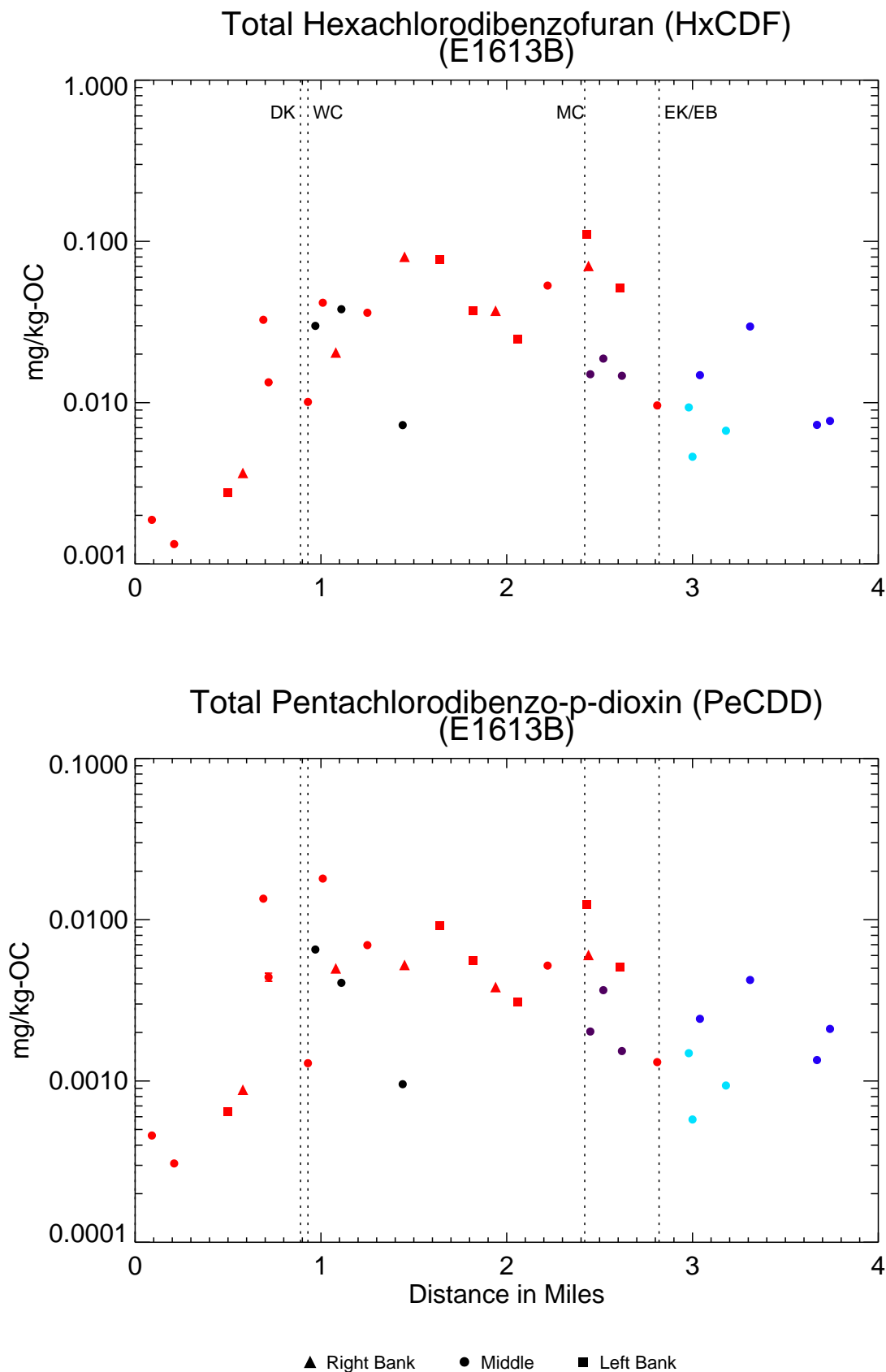
**Figure A4-469**

**Surface Sediment Chemical Data (OC Normal) - 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.*



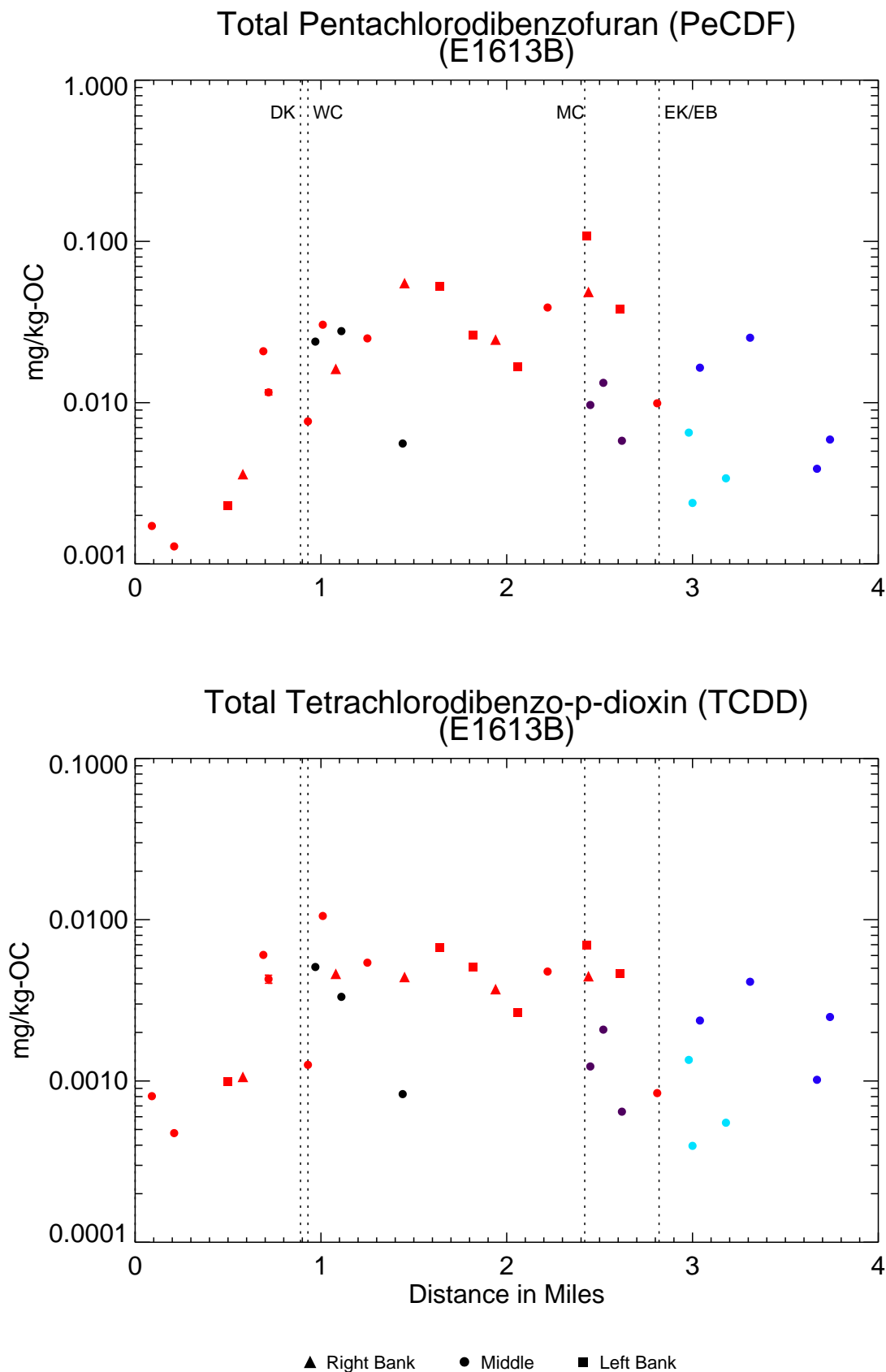
**Figure A4-470**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-471**

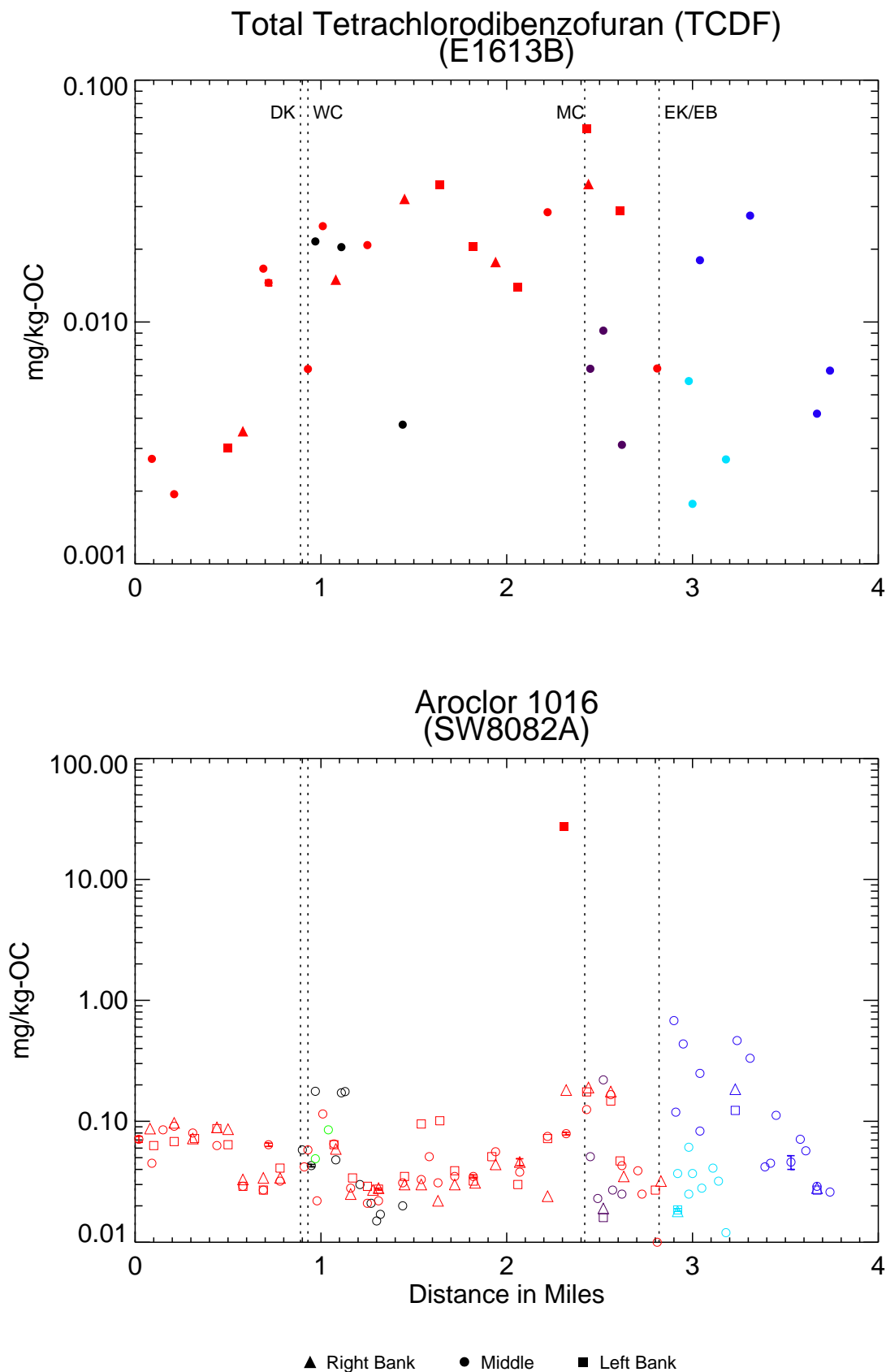
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



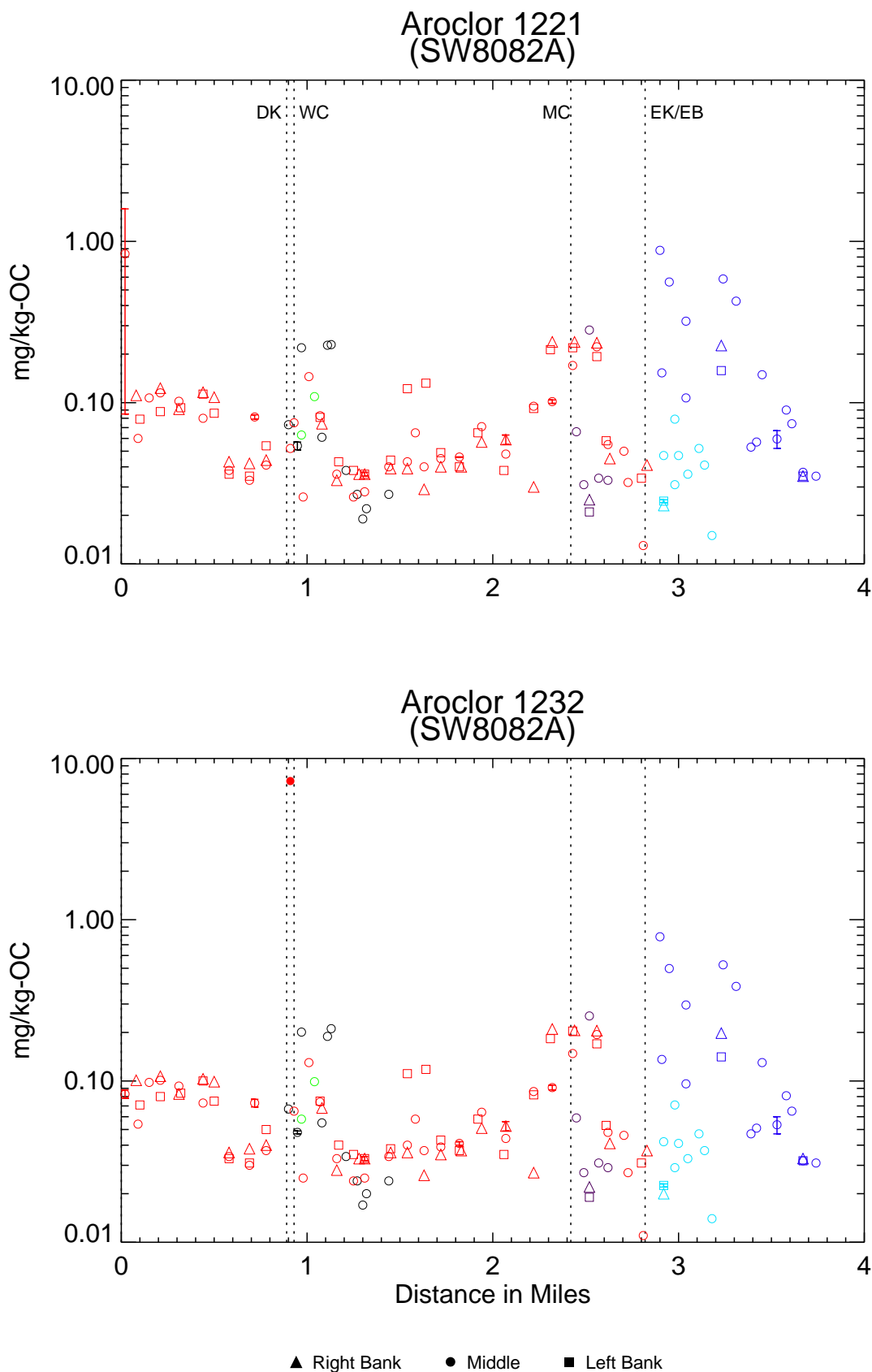
**Figure A4-472**

**Surface Sediment Chemical Data (OC Normal) - 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.*



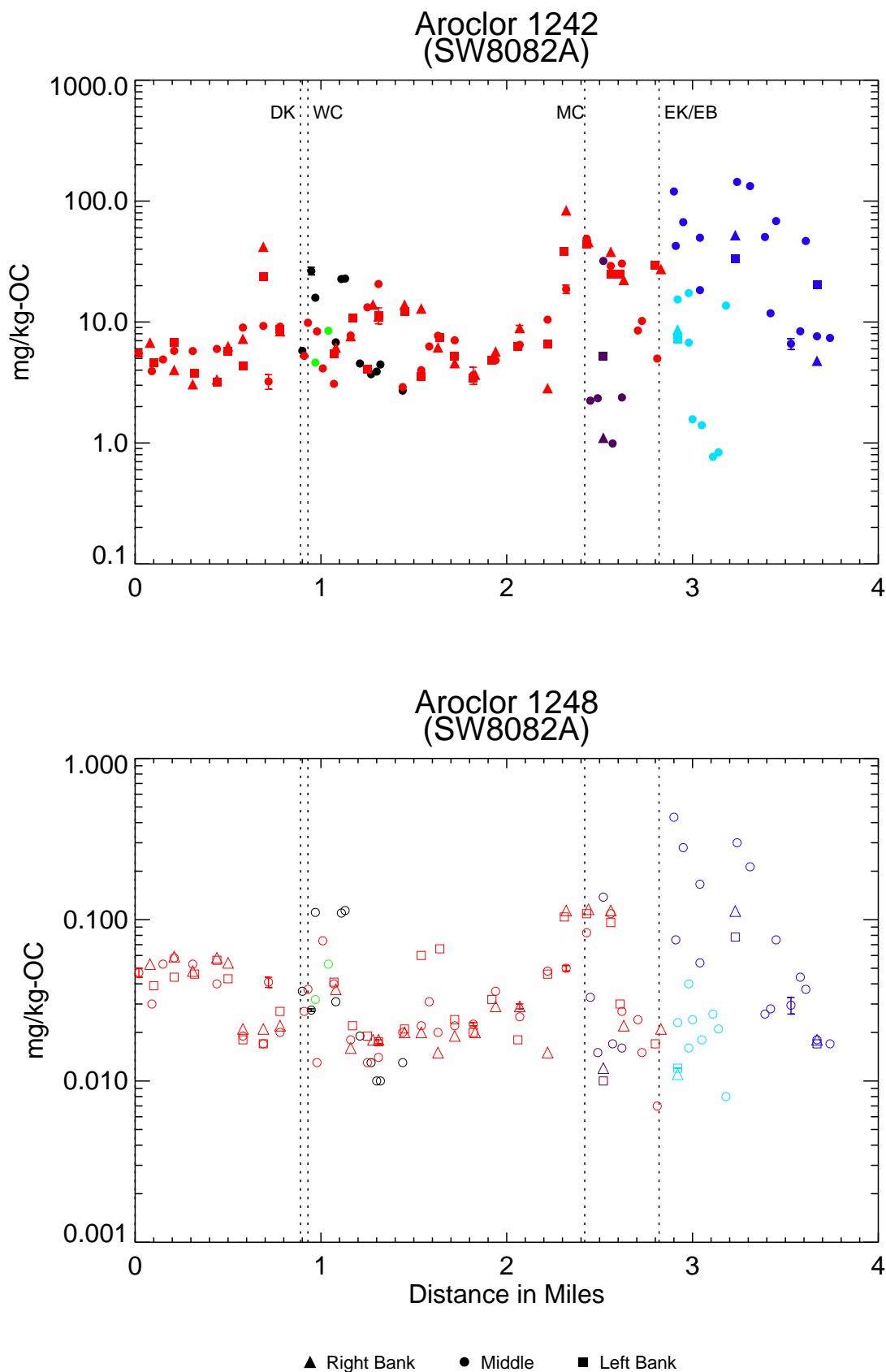
**Figure A4-473**

**Surface Sediment Chemical Data (OC Normal) - 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.*



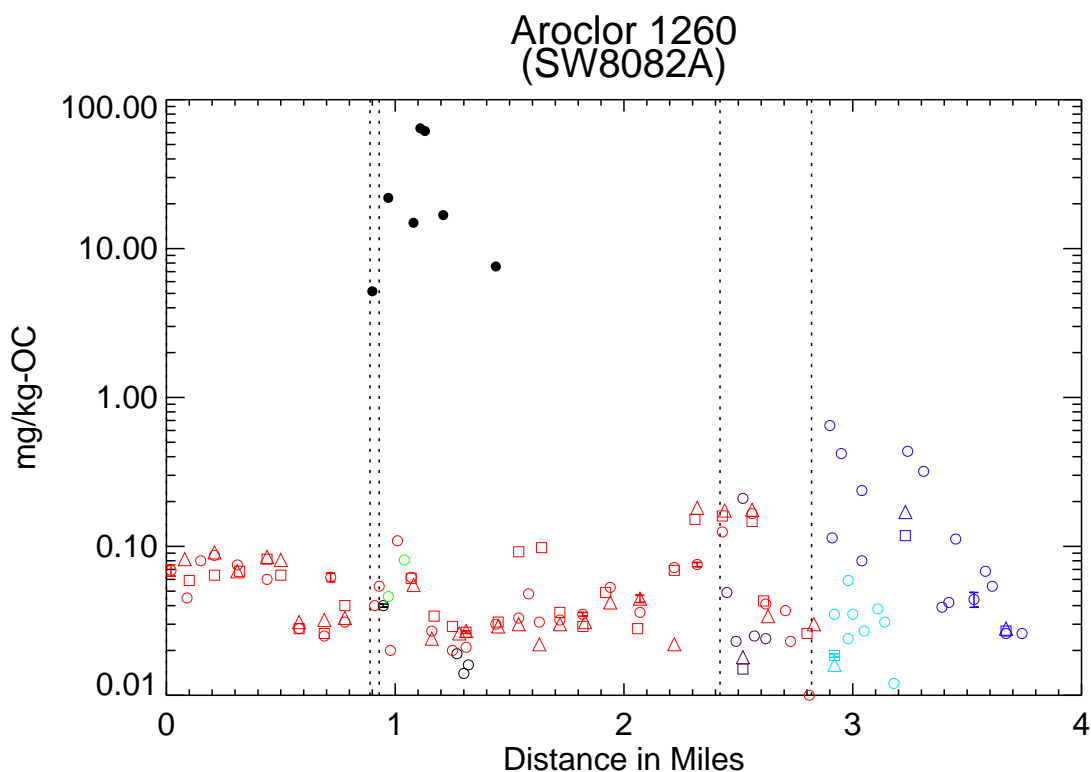
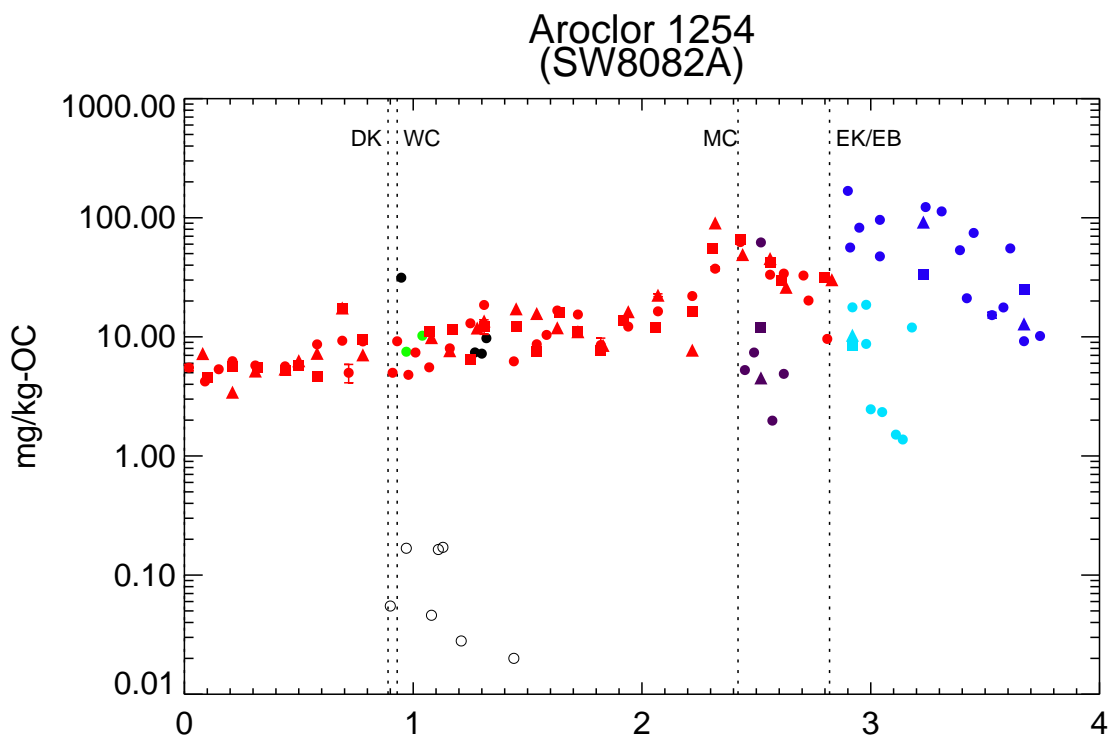
**Figure A4-474**

**Surface Sediment Chemical Data (OC Normal) - 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.*





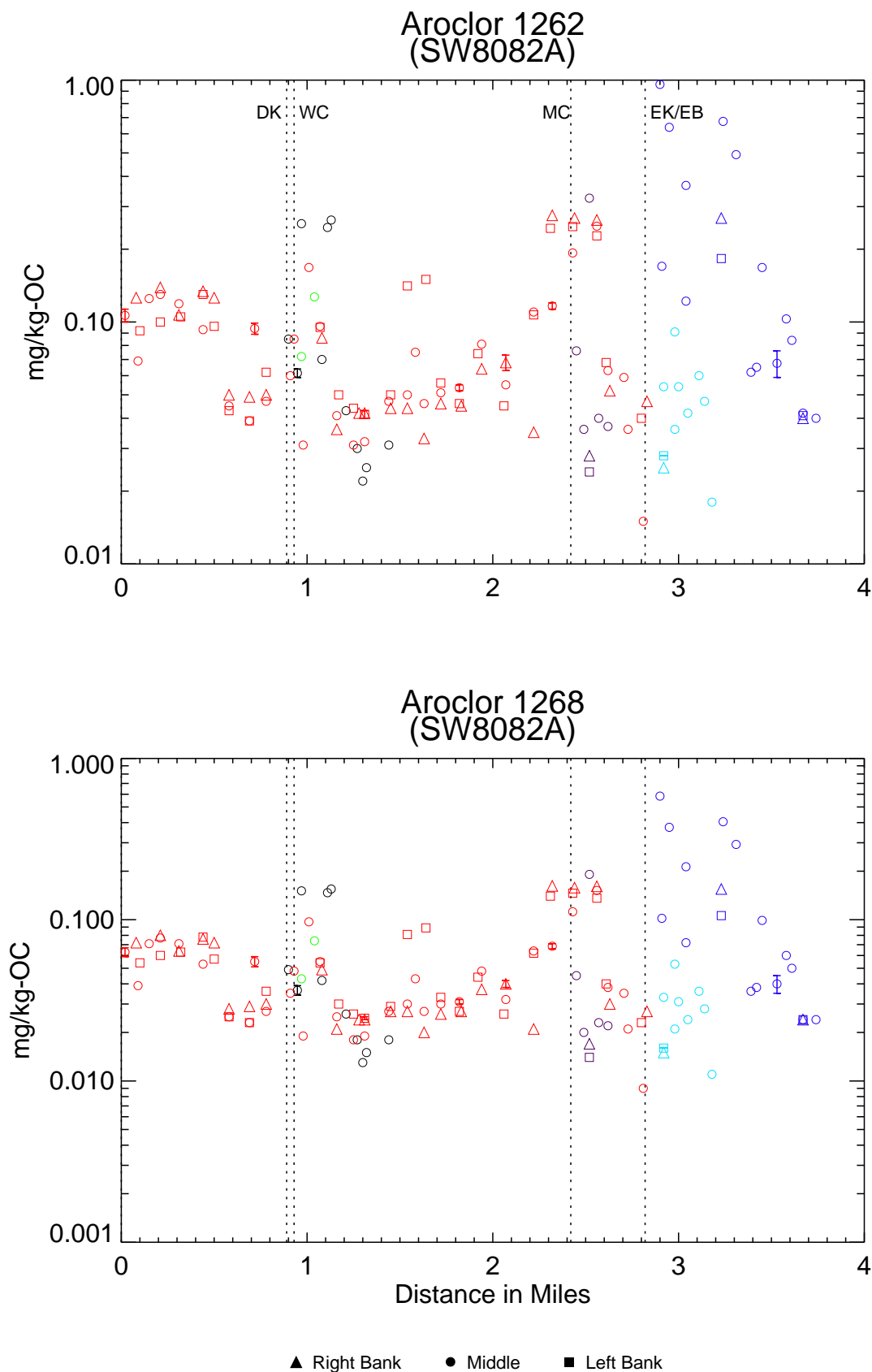
▲ Right Bank    ● Middle    ■ Left Bank



- 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 A4-475**  
**Surface Sediment Chemical Data (OC Normal) - 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 A4-476**

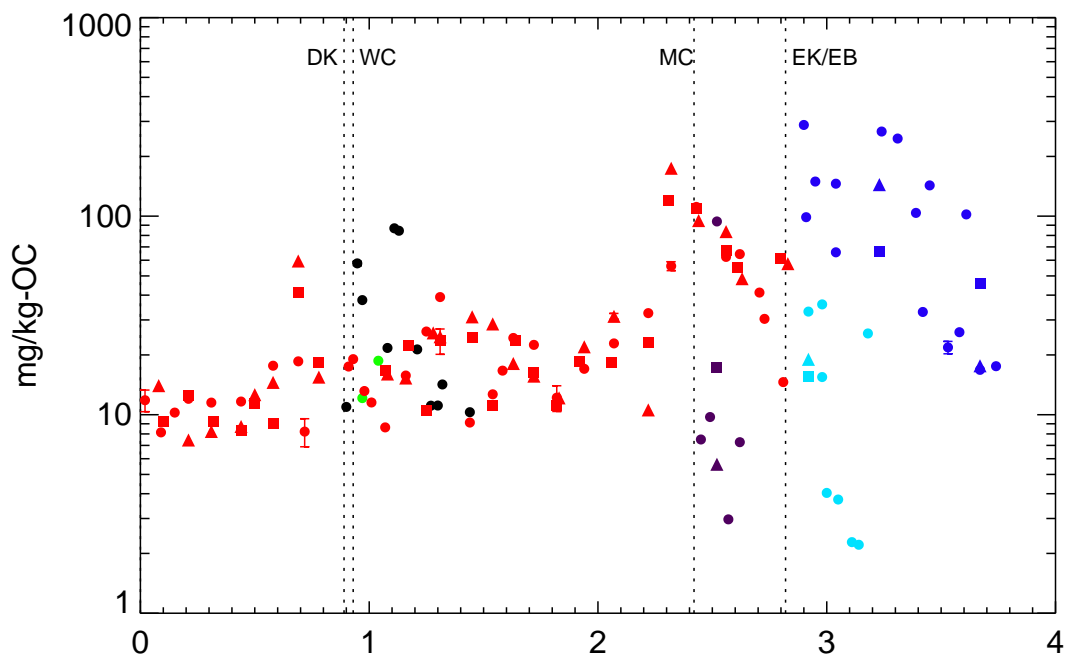
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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)

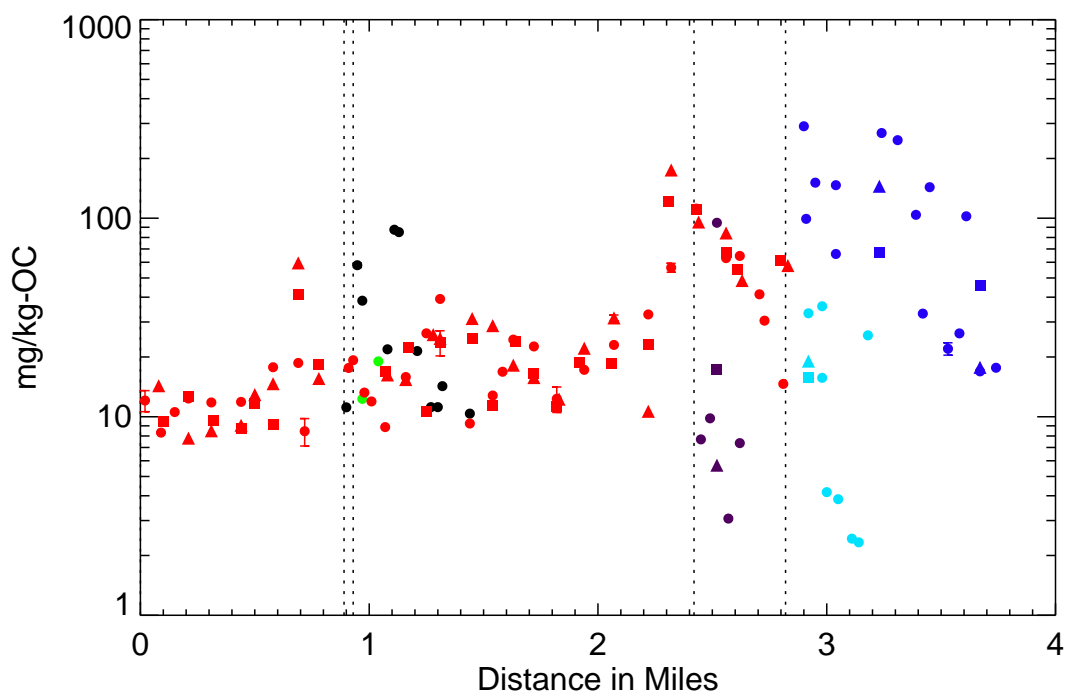


*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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

## Total PCB Aroclors (U = 0) (MDL)



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



▲ Right Bank    ● Middle    ■ Left Bank

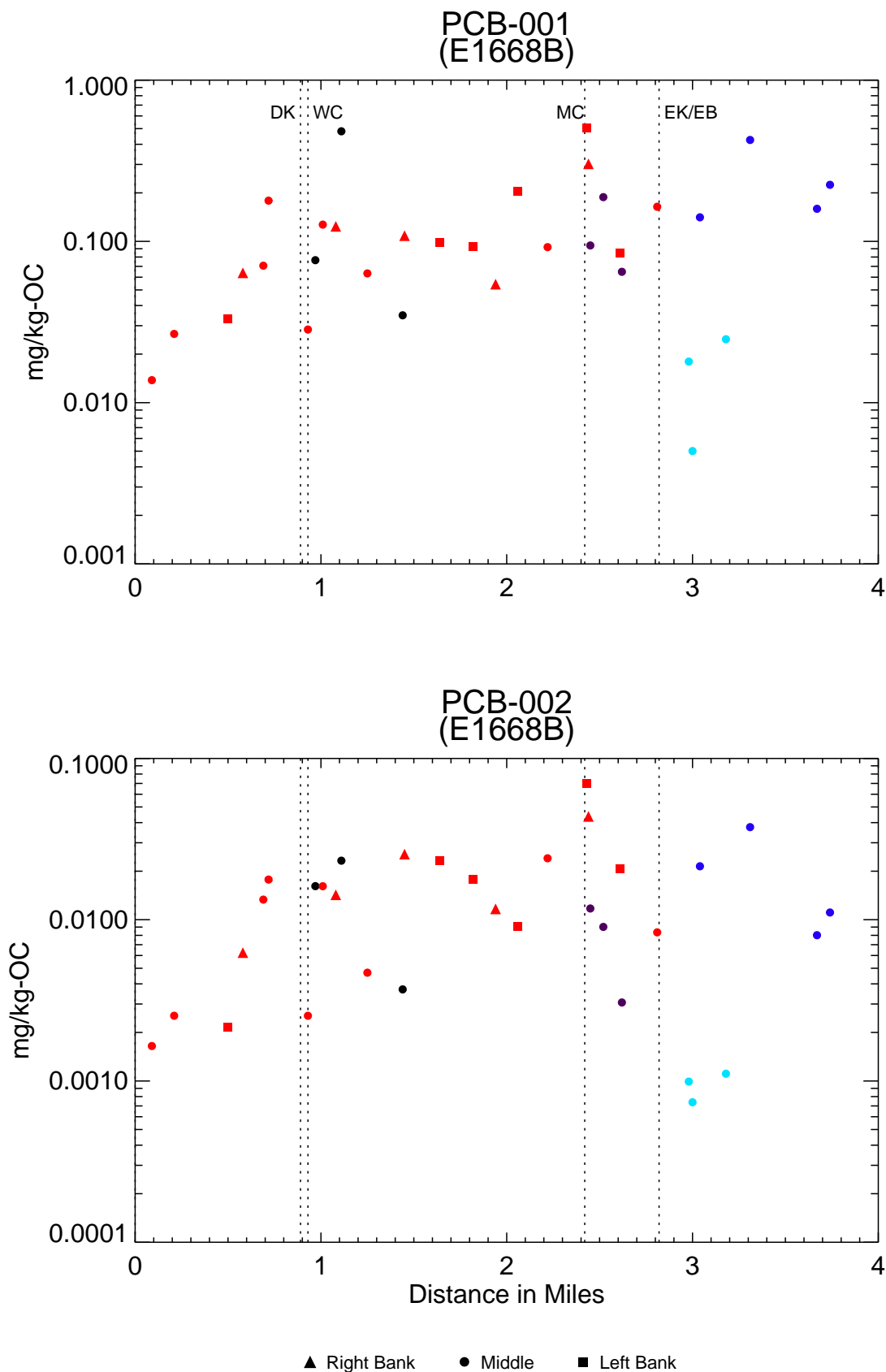
Figure A4-477

Surface Sediment Chemical Data (OC Normal) - 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.*



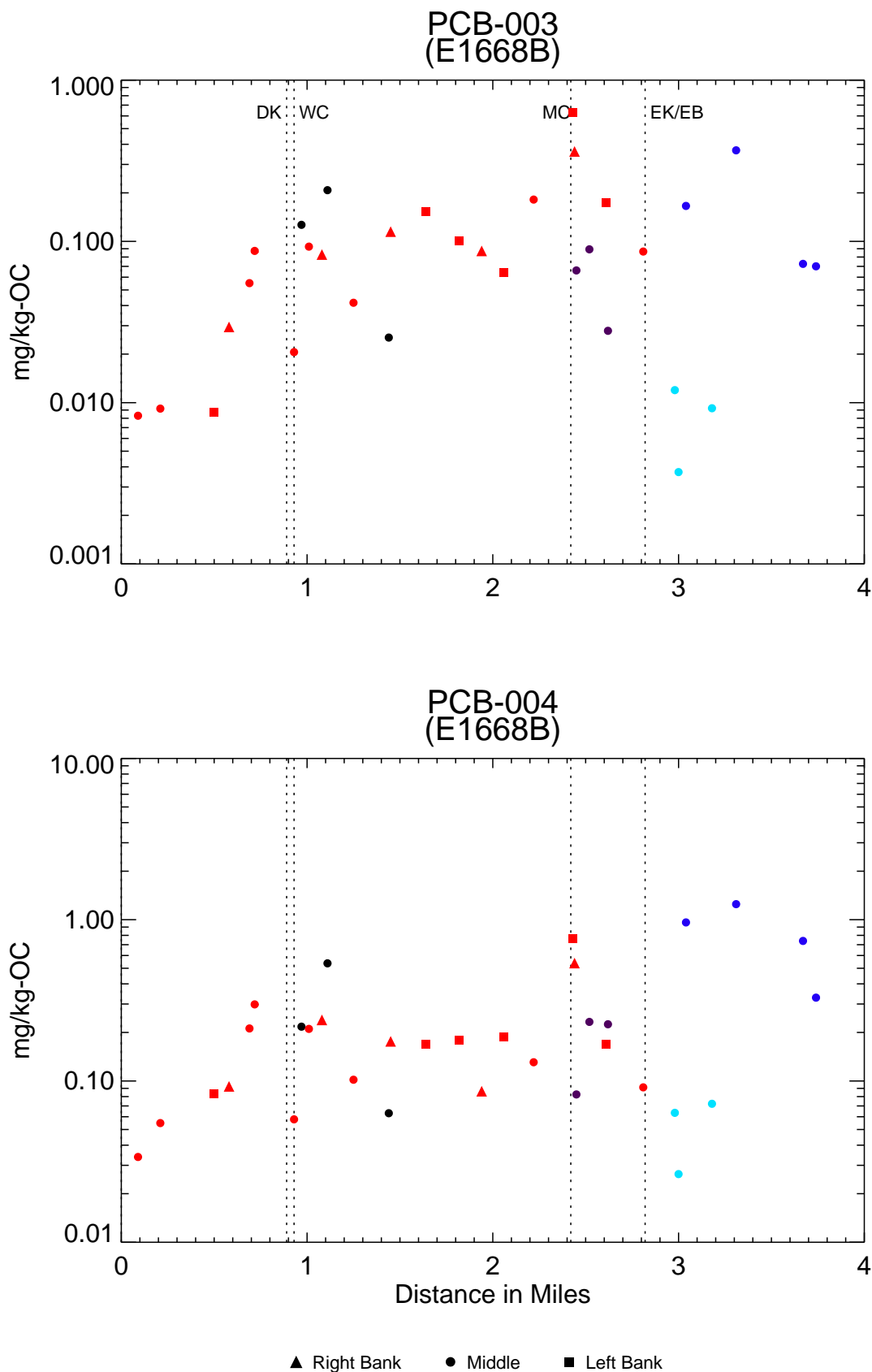
**Figure A4-478**

Surface Sediment Chemical Data (OC Normal) - 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 A4-479**

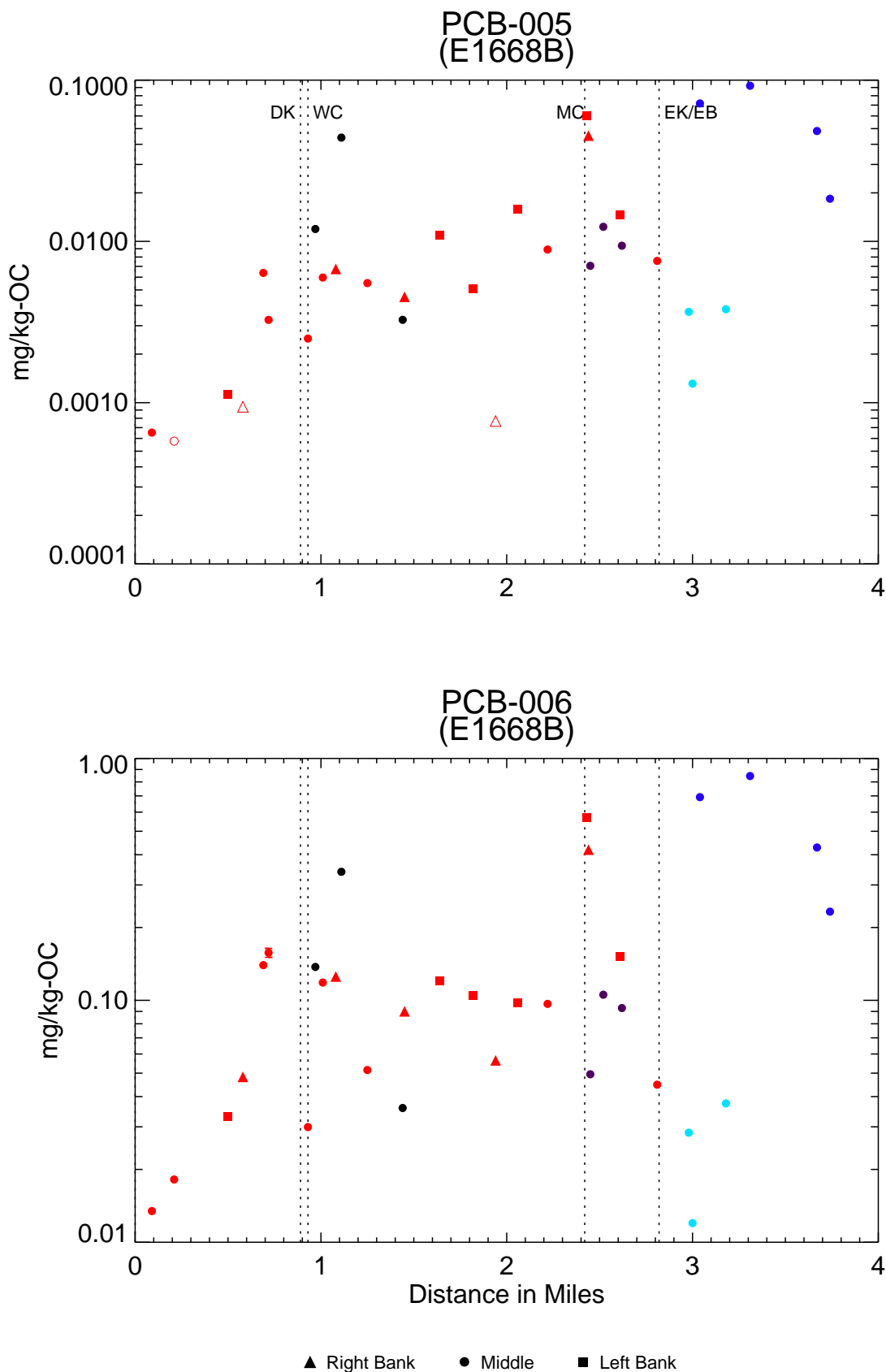
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



- 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.*



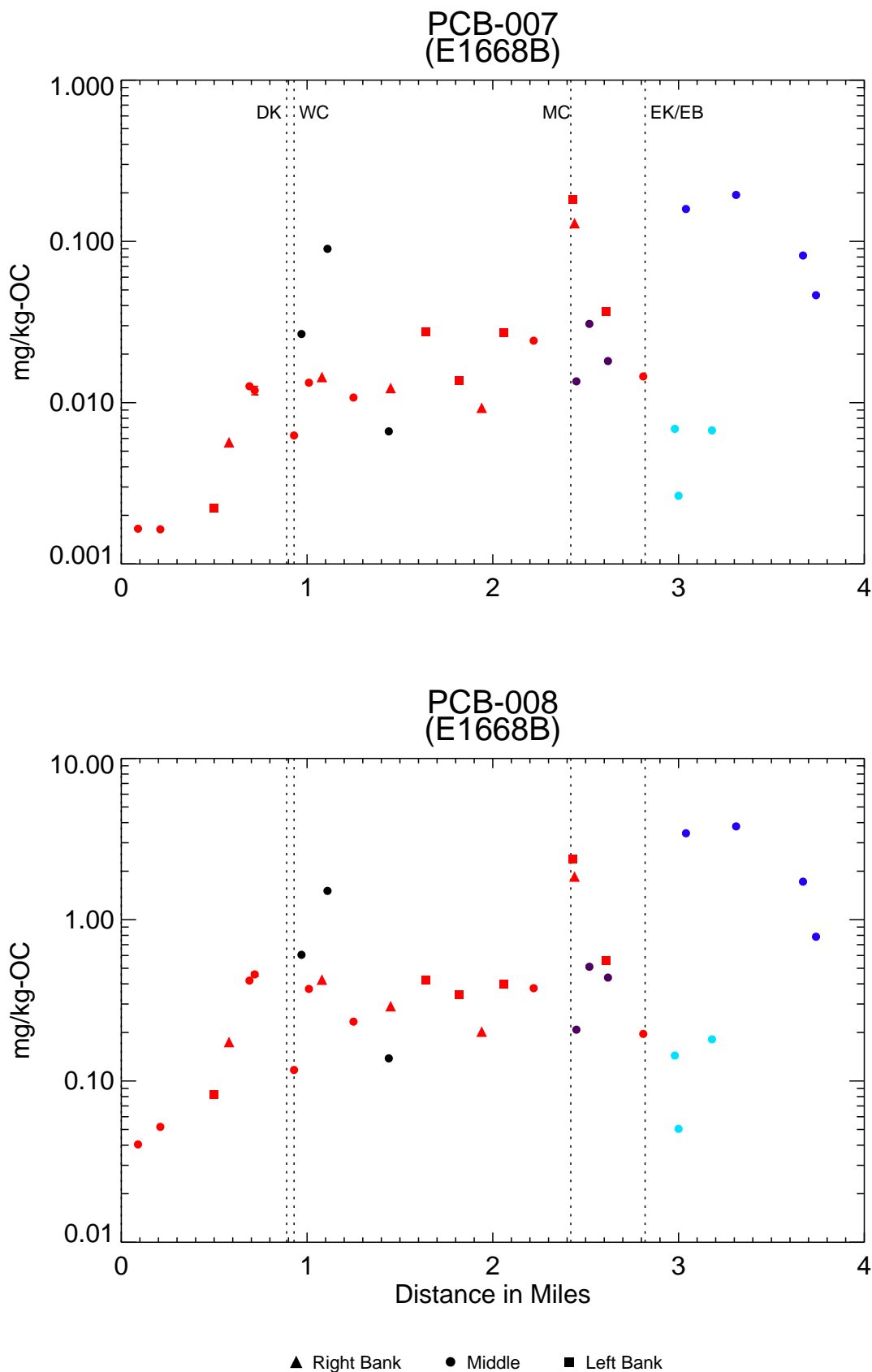
**Figure A4-480**

Surface Sediment Chemical Data (OC Normal) - 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.*

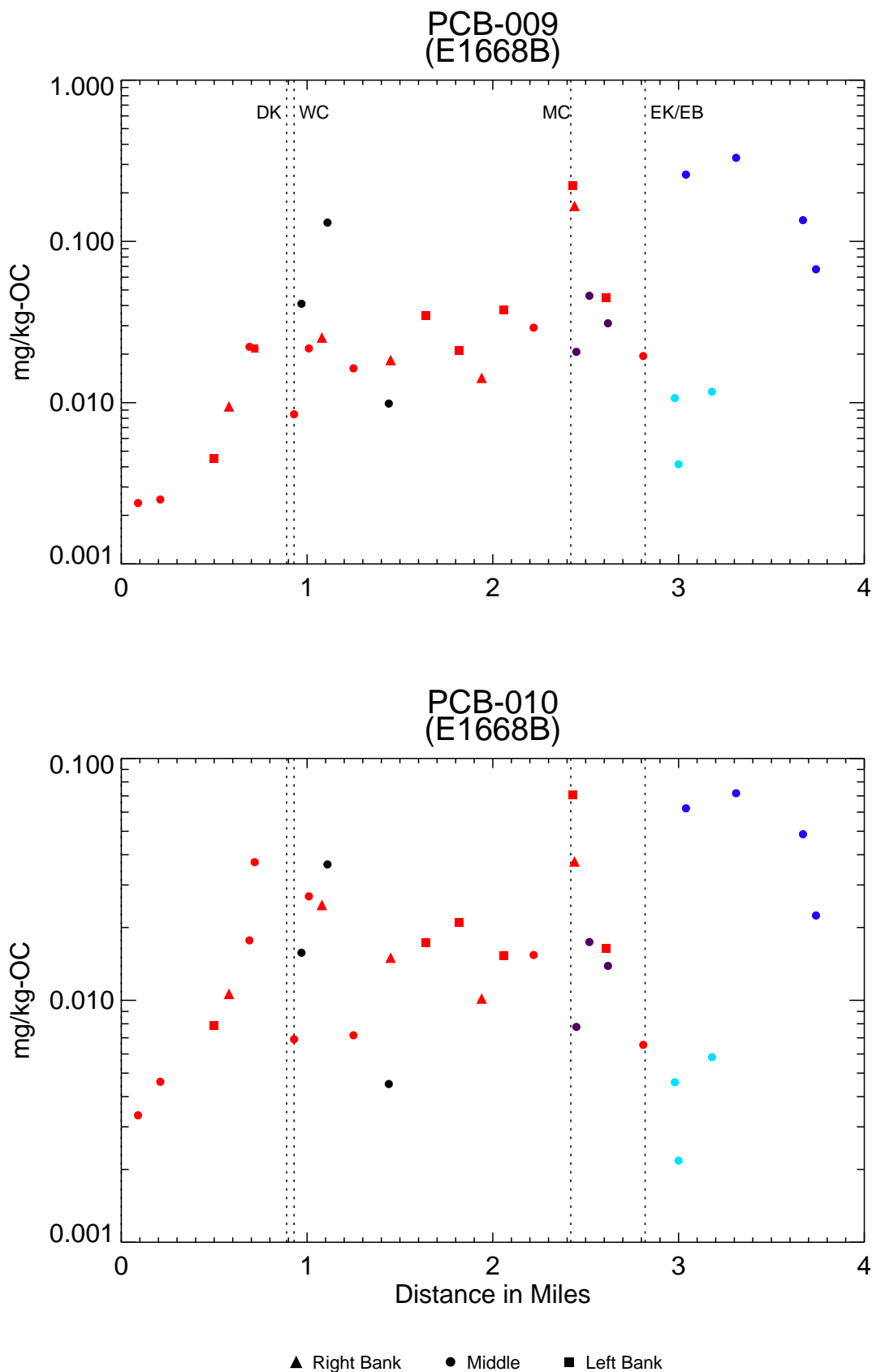
**Figure A4-481**

Surface Sediment Chemical Data (OC Normal) - 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.*

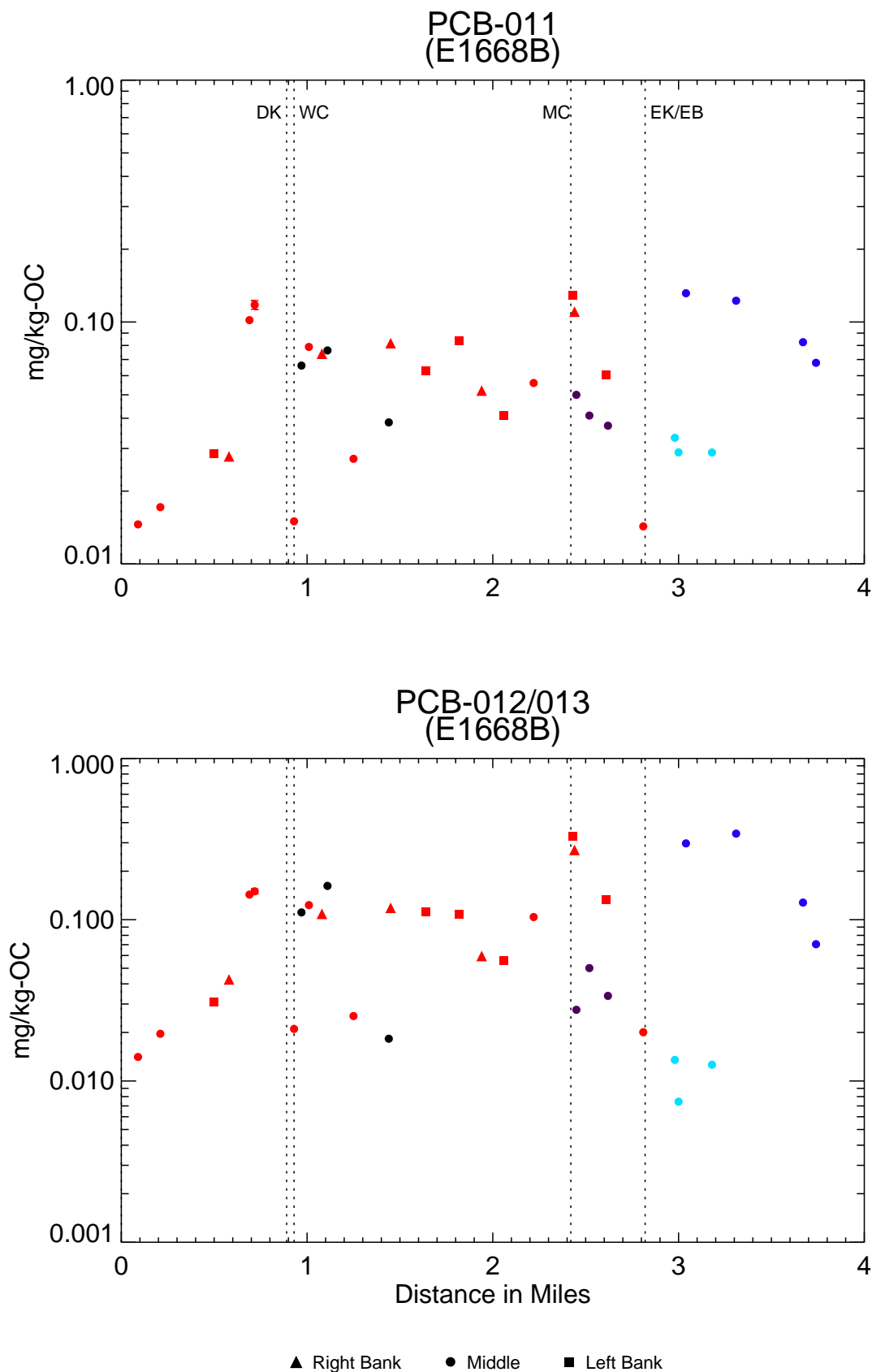
**Figure A4-482**

**Surface Sediment Chemical Data (OC Normal) - 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.*

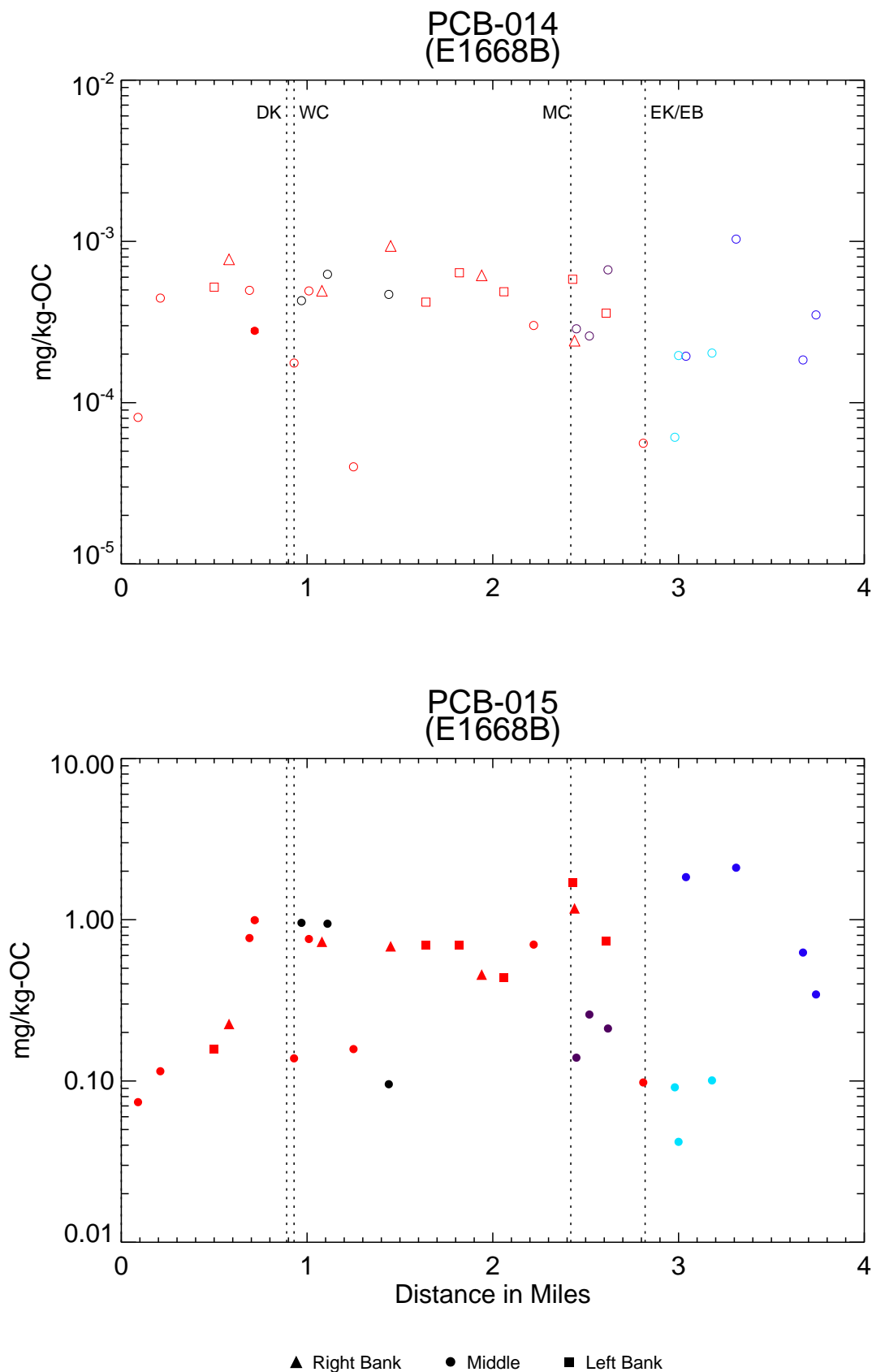
**Figure A4-483**

**Surface Sediment Chemical Data (OC Normal) - 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.*

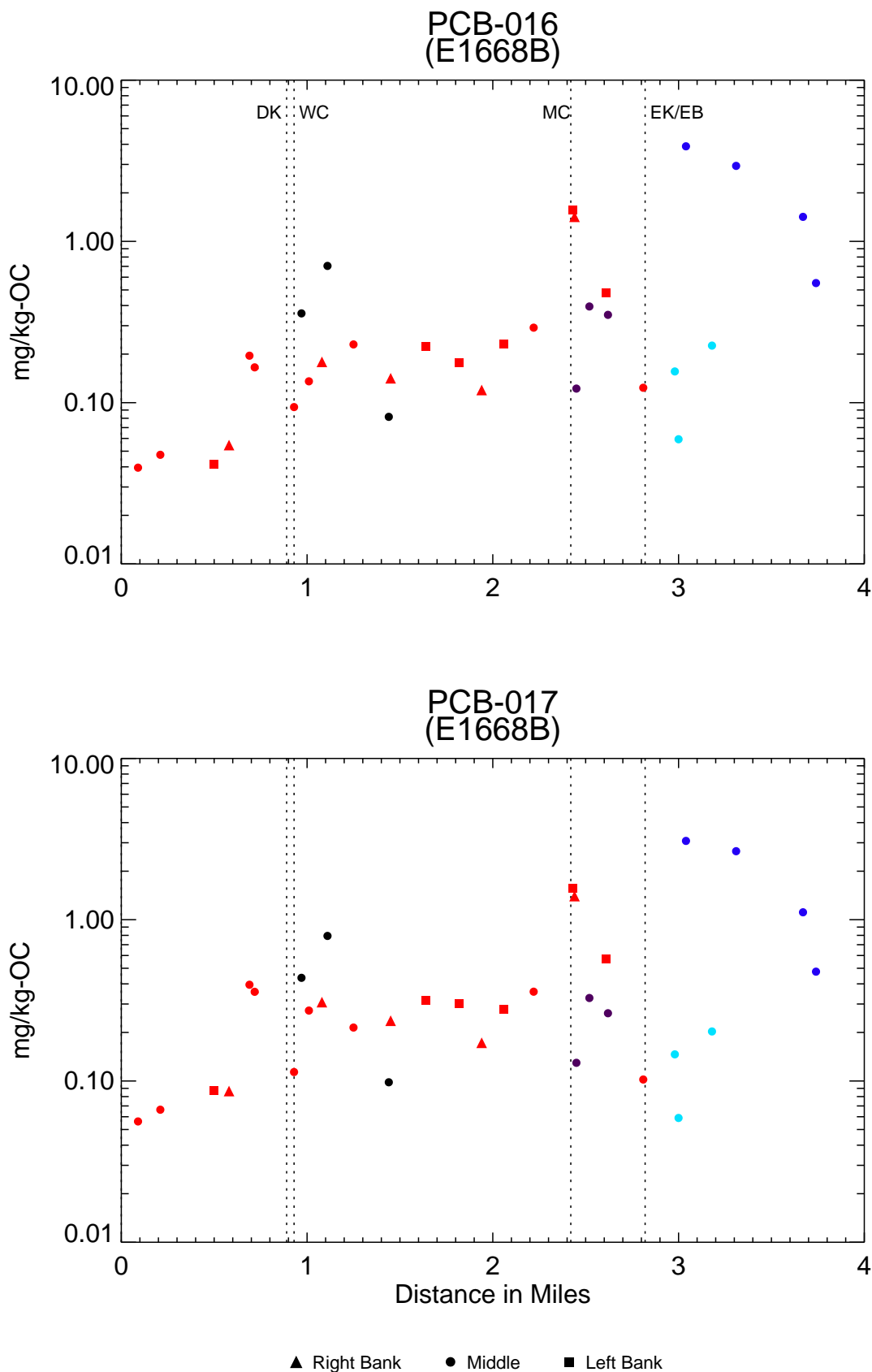
**Figure A4-484**

Surface Sediment Chemical Data (OC Normal) - 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.*

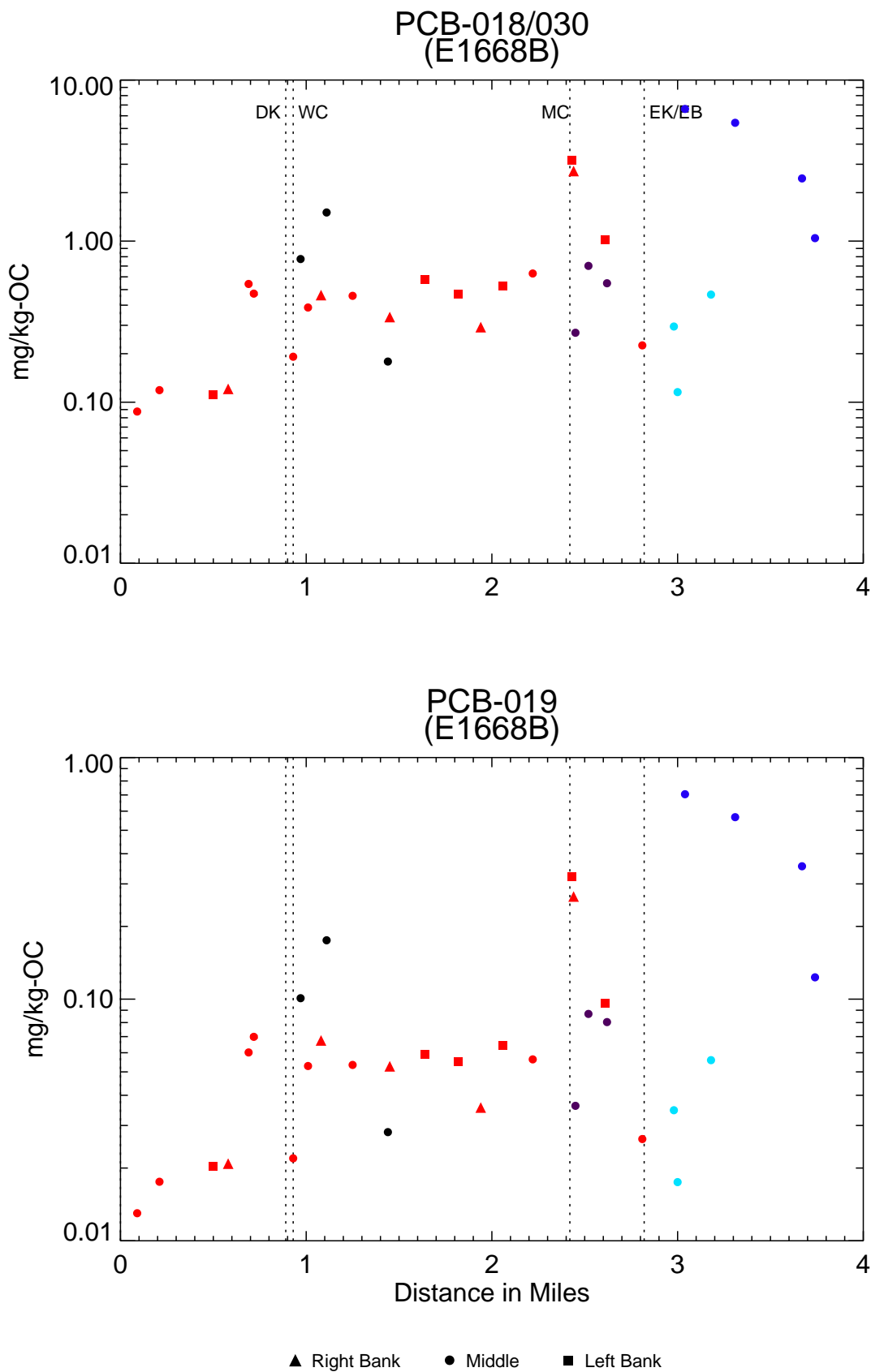
**Figure A4-485**

Surface Sediment Chemical Data (OC Normal) - 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.*

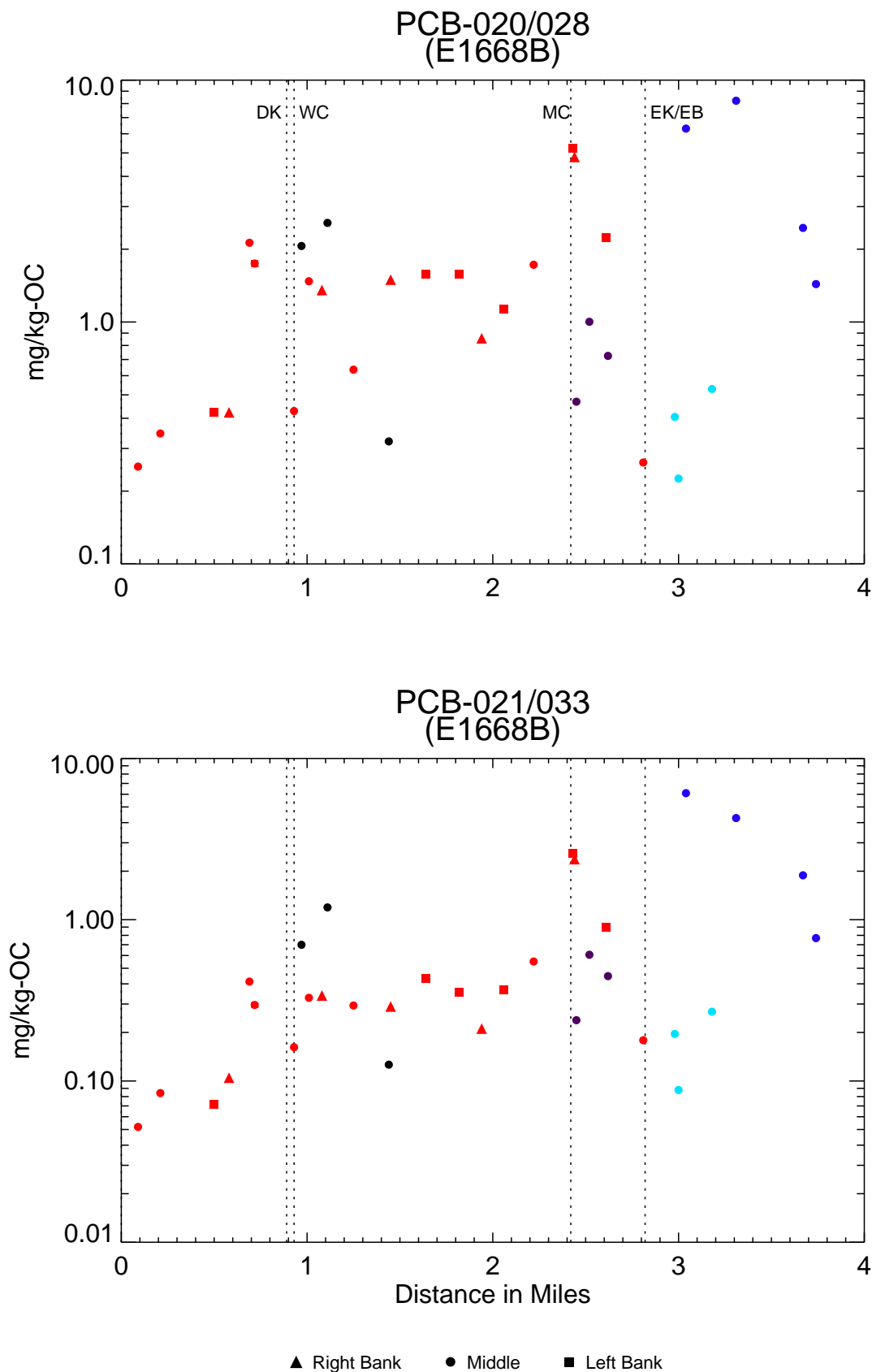
**Figure A4-486**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-487**

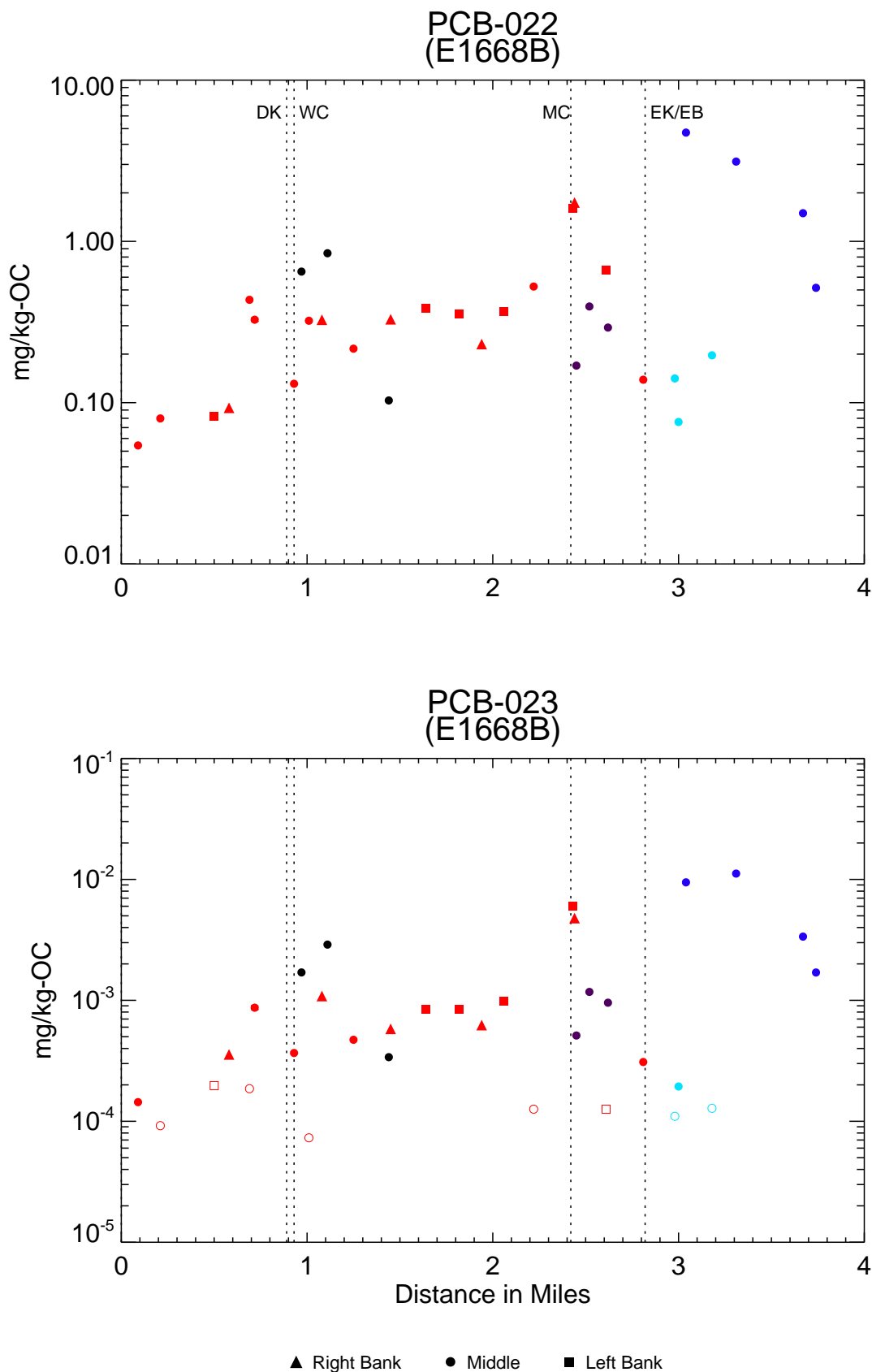
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*



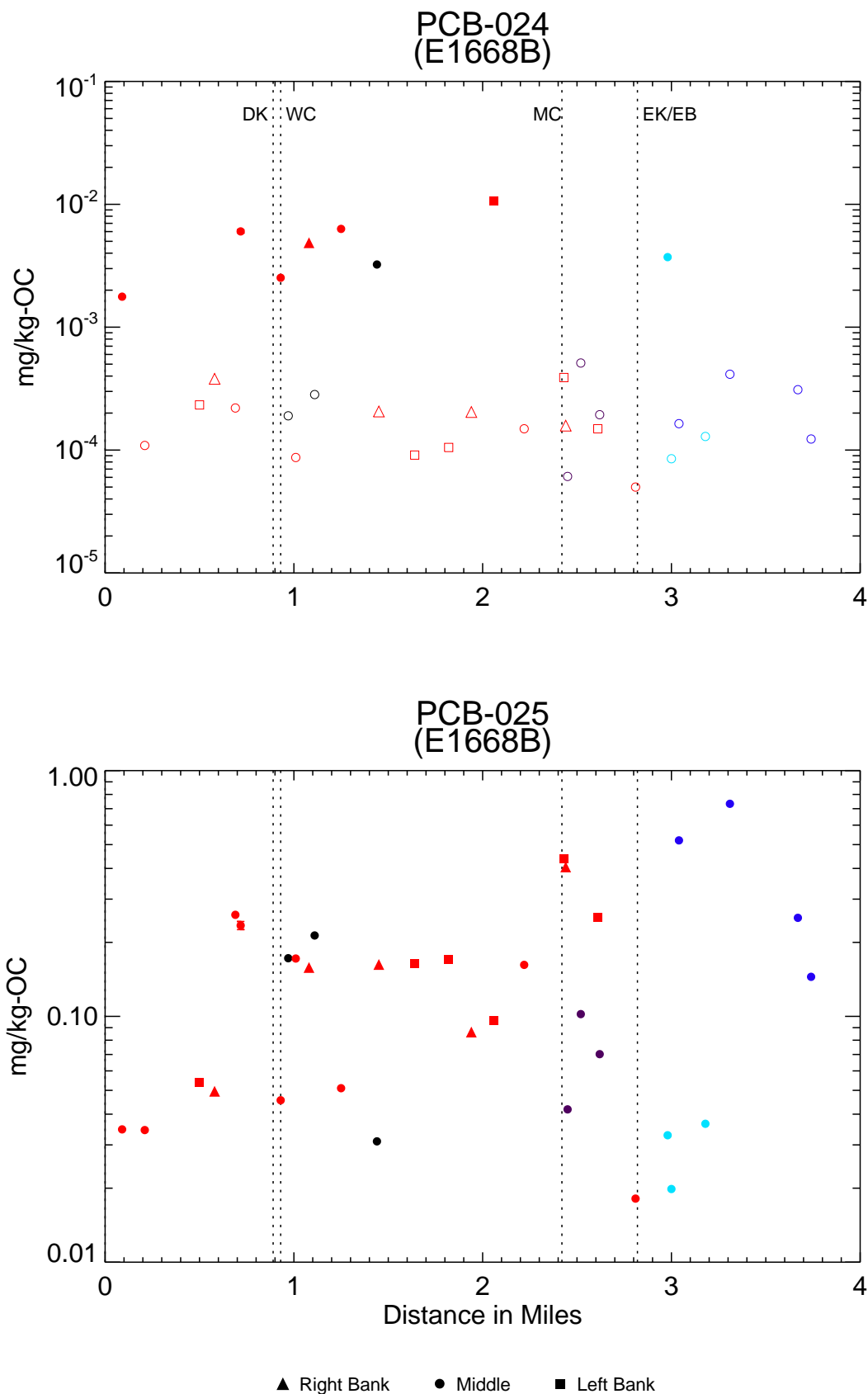
**Figure A4-488**

**Surface Sediment Chemical Data (OC Normal) - 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.*



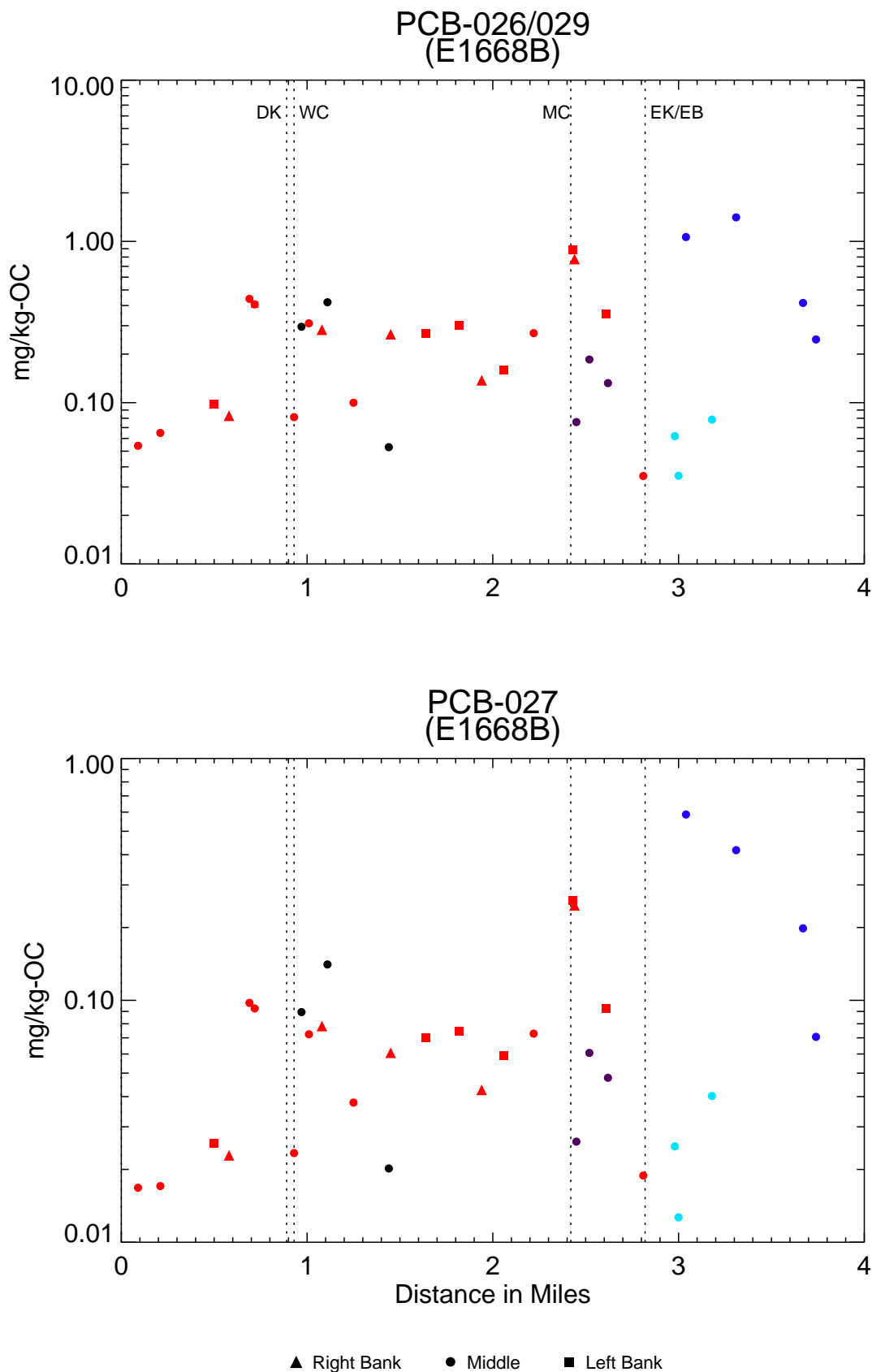
**Figure A4-489**

Surface Sediment Chemical Data (OC Normal) - 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.*

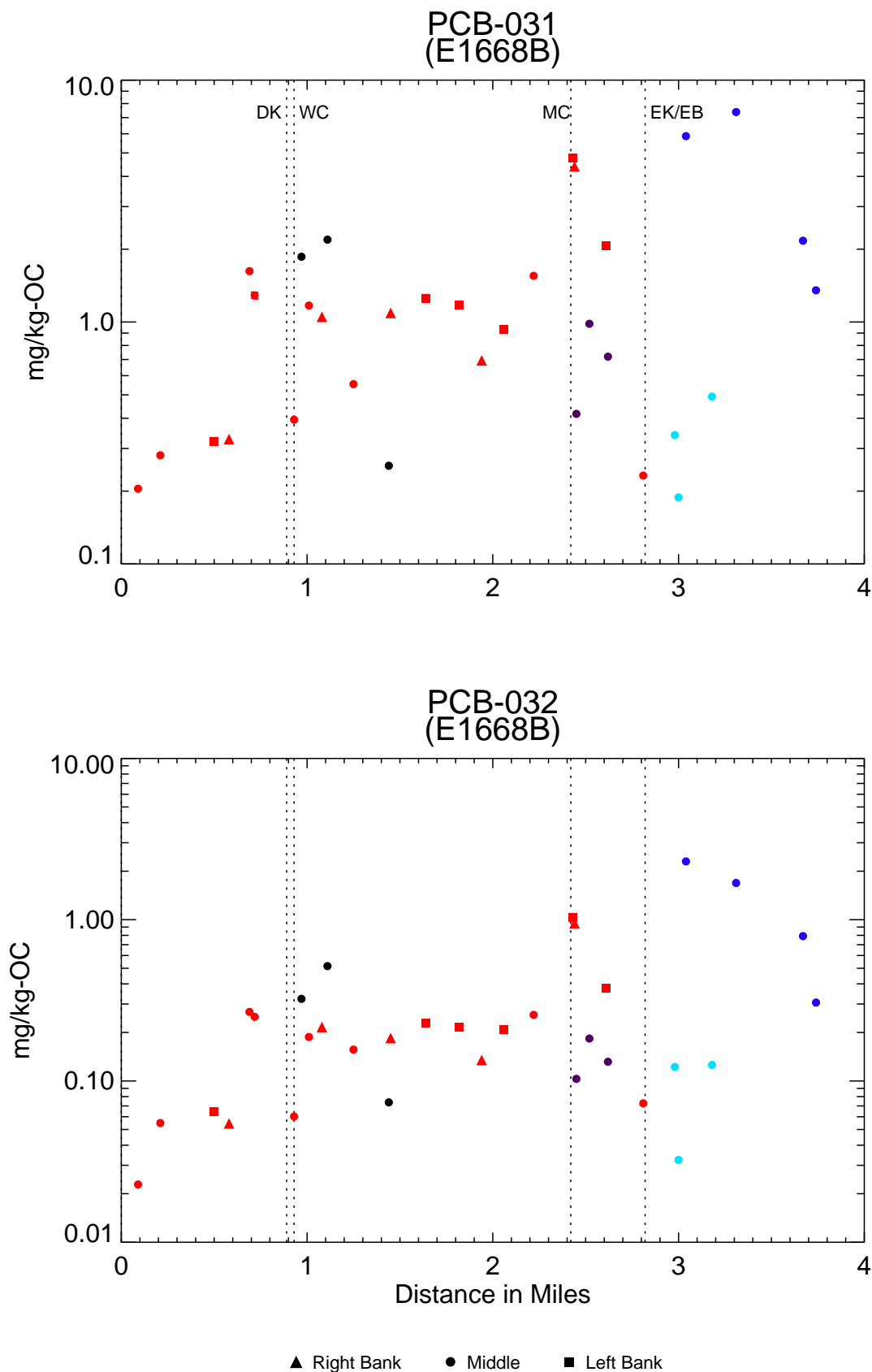
**Figure A4-490**

**Surface Sediment Chemical Data (OC Normal) - 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.*



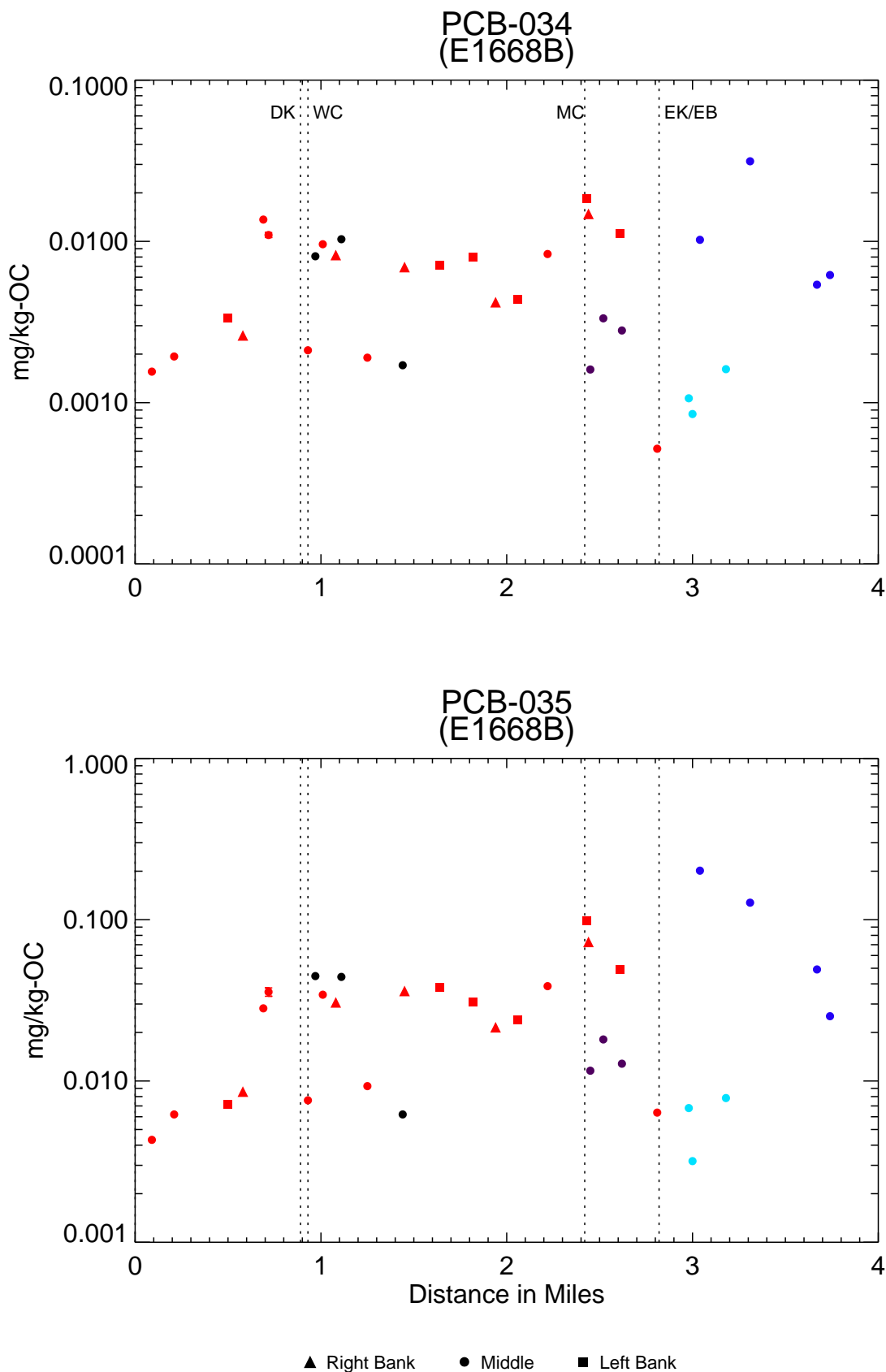
**Figure A4-491**

Surface Sediment Chemical Data (OC Normal) - 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.*

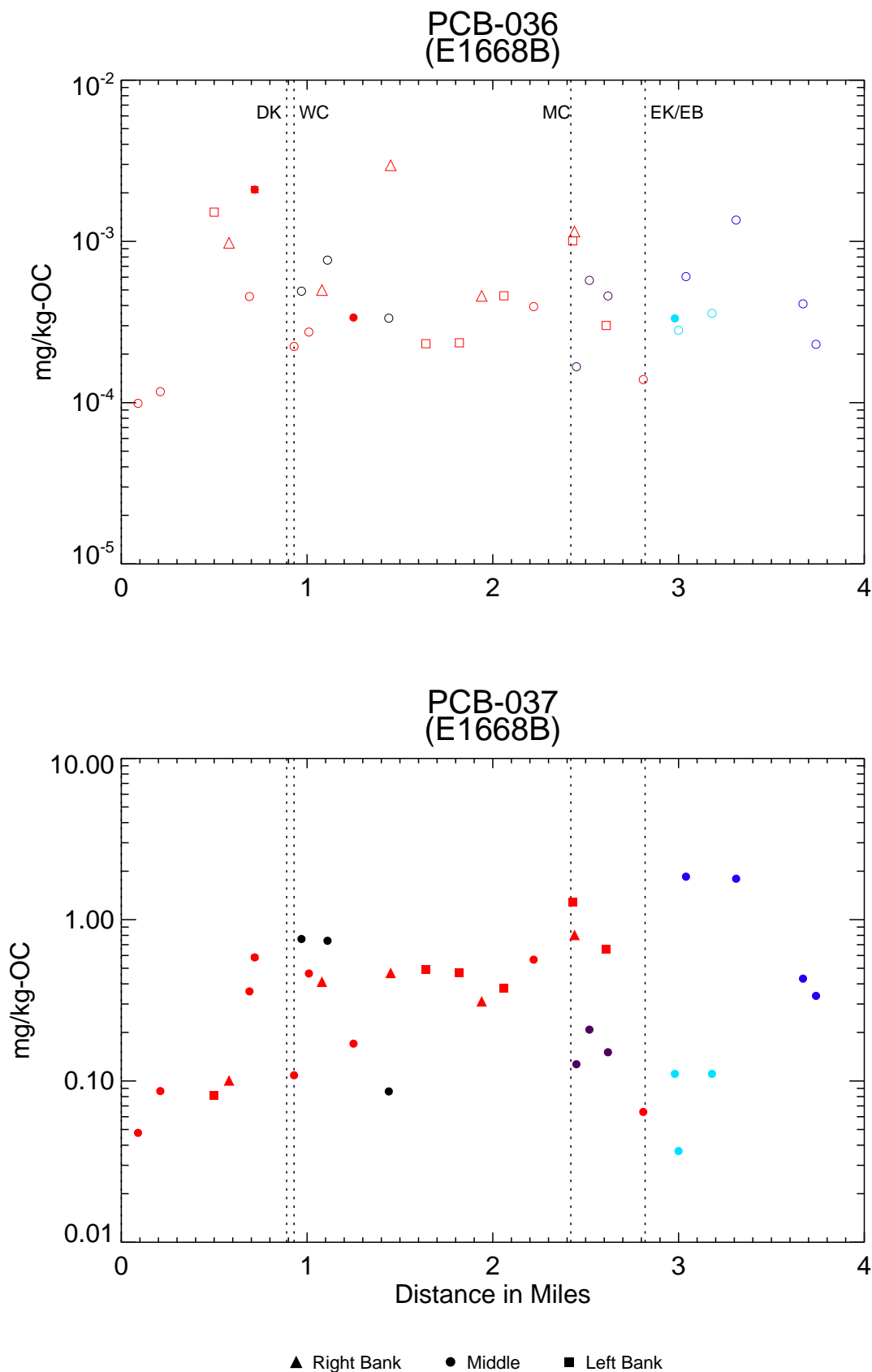
**Figure A4-492**

Surface Sediment Chemical Data (OC Normal) - 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)
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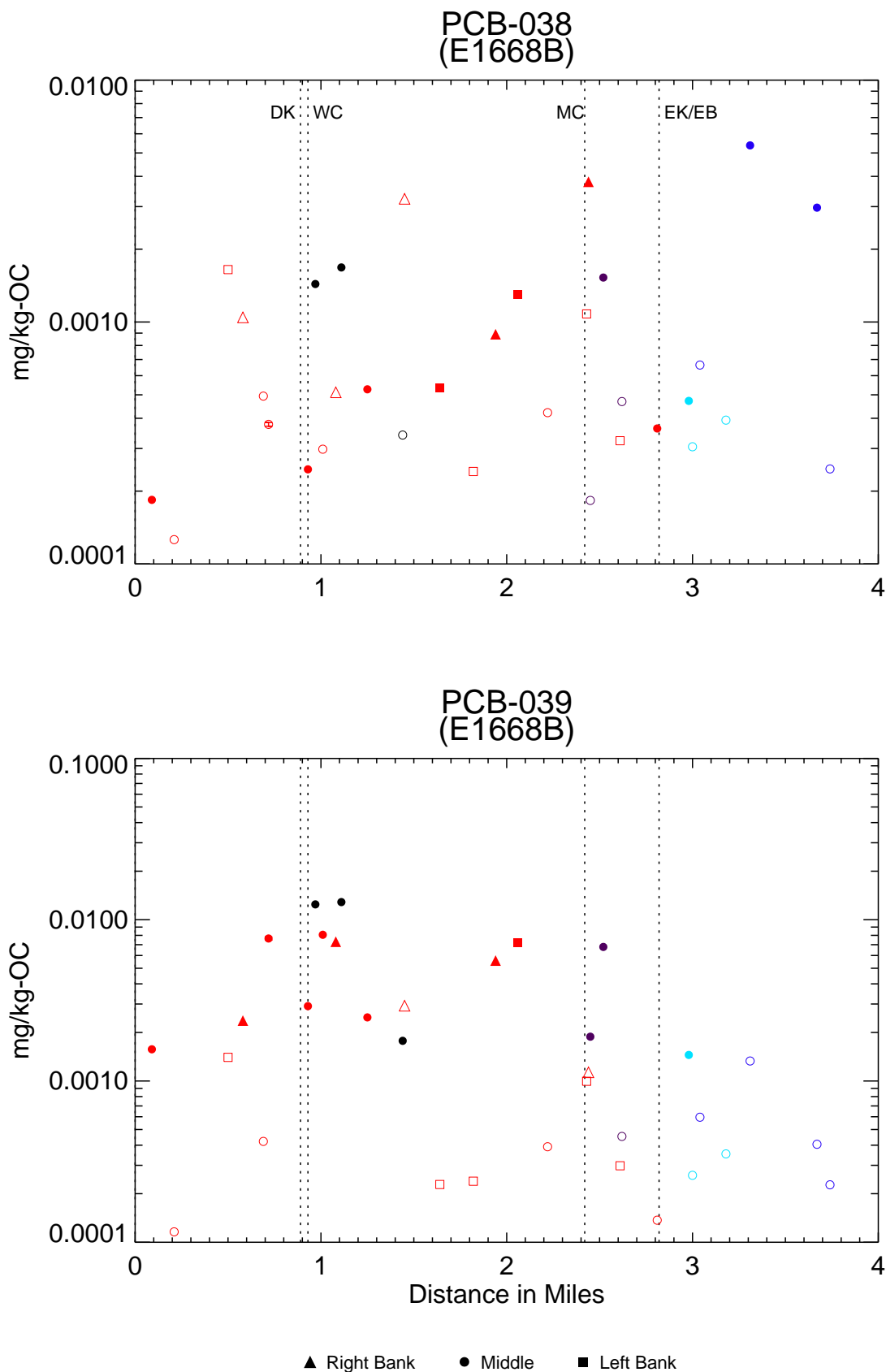
**Figure A4-493**

**Surface Sediment Chemical Data (OC Normal) - 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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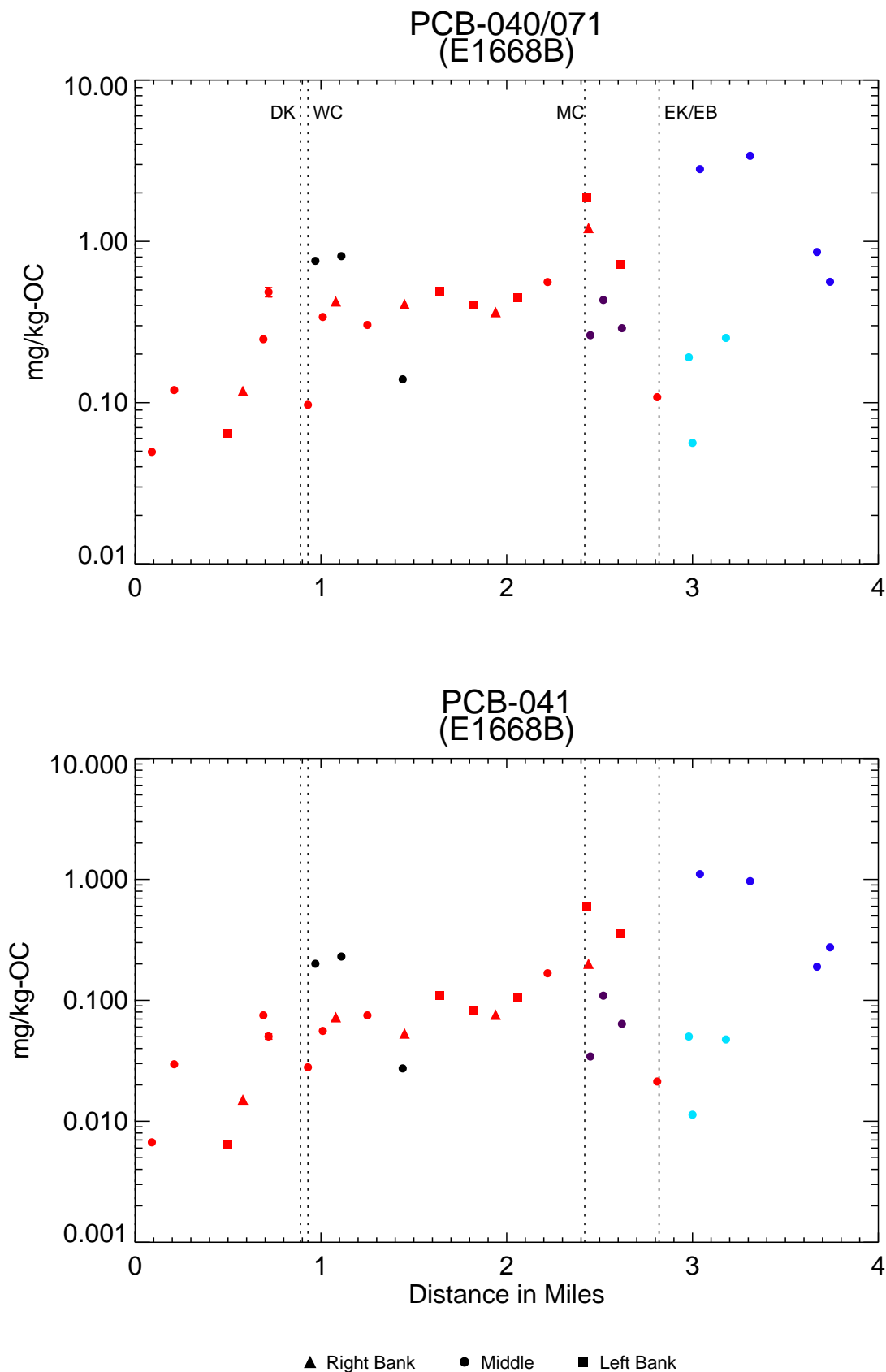
**Figure A4-494**

Surface Sediment Chemical Data (OC Normal) - 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 A4-495**

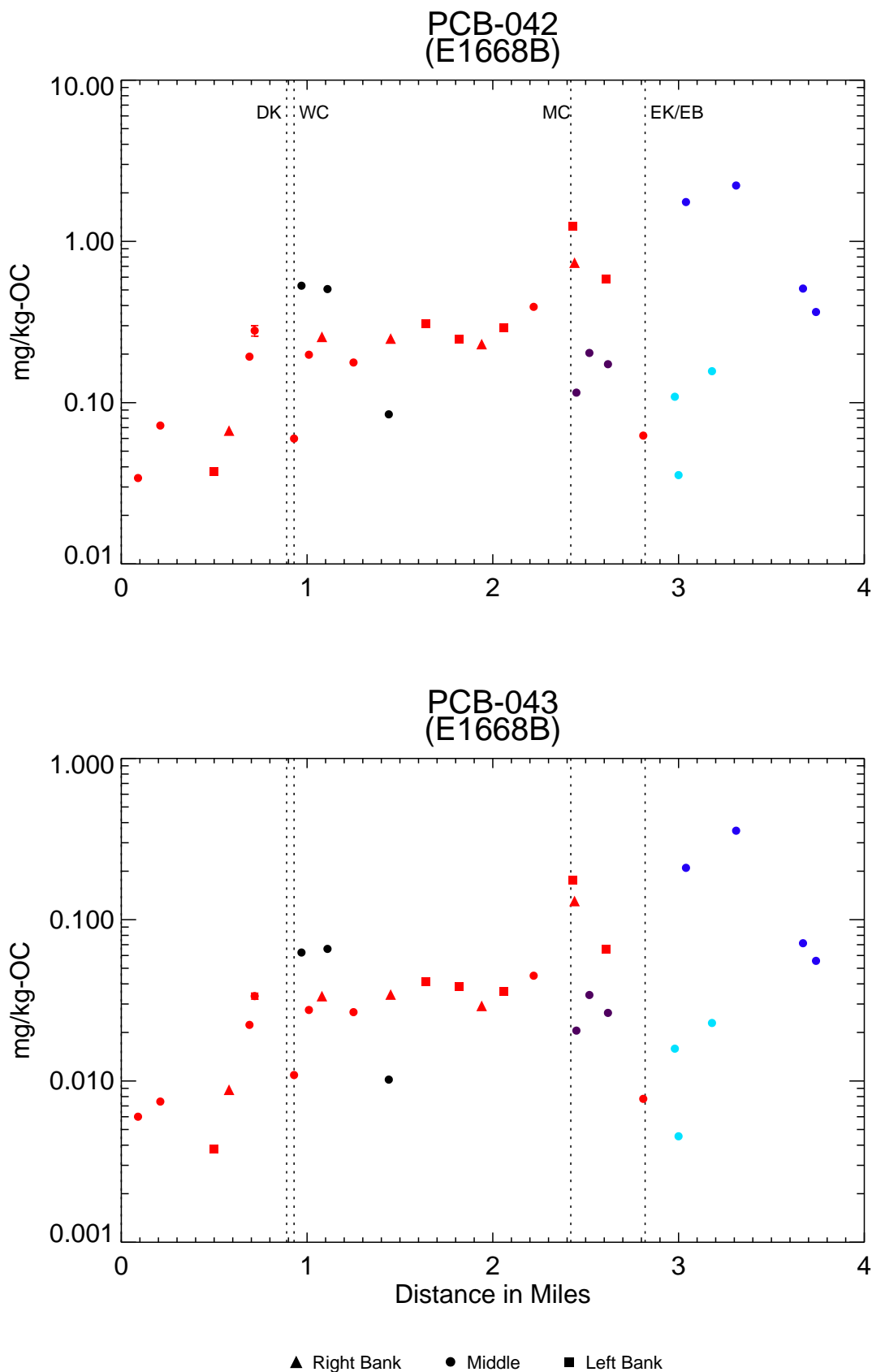
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



- Newtown Creek
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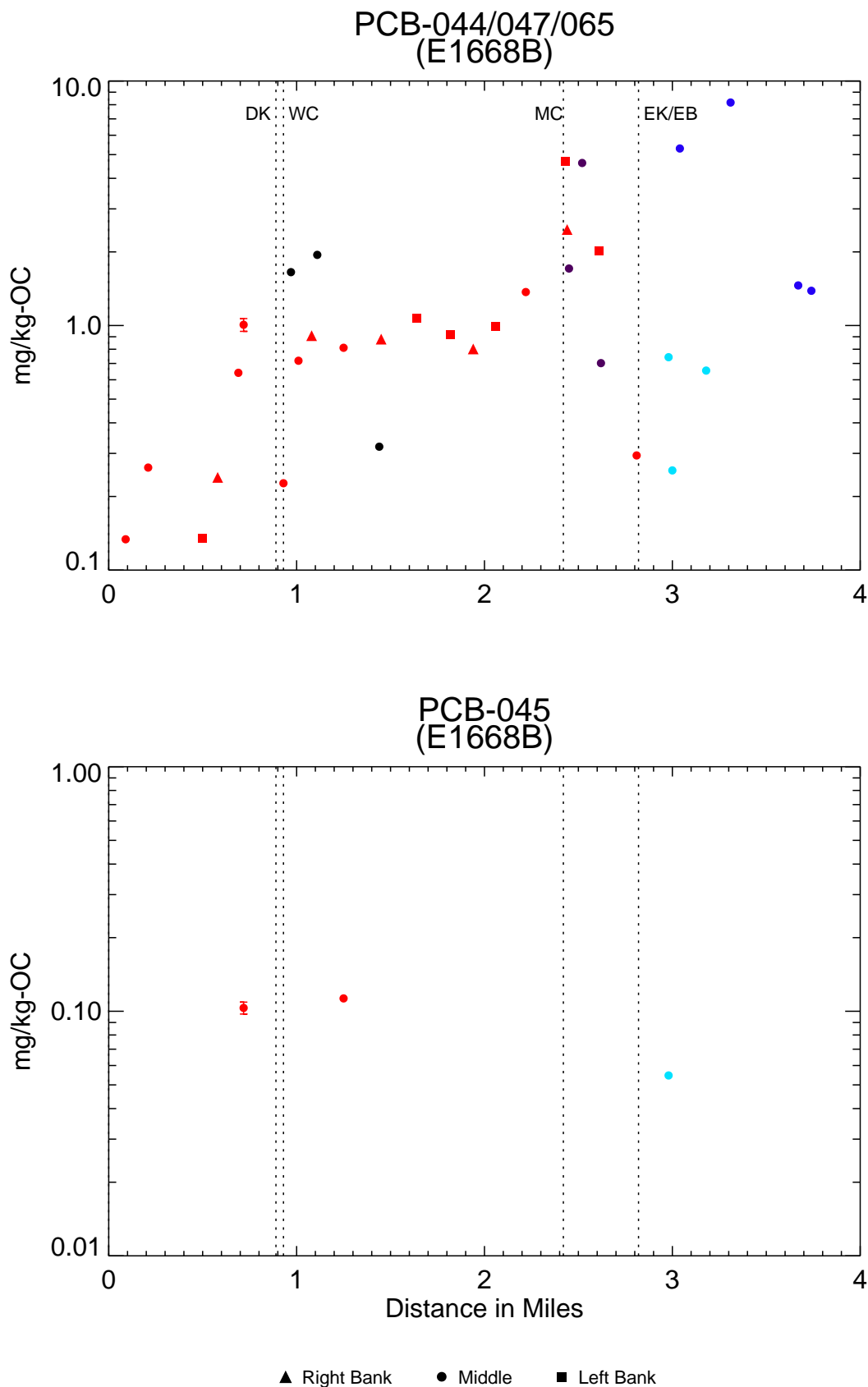
**Figure A4-496**

**Surface Sediment Chemical Data (OC Normal) - 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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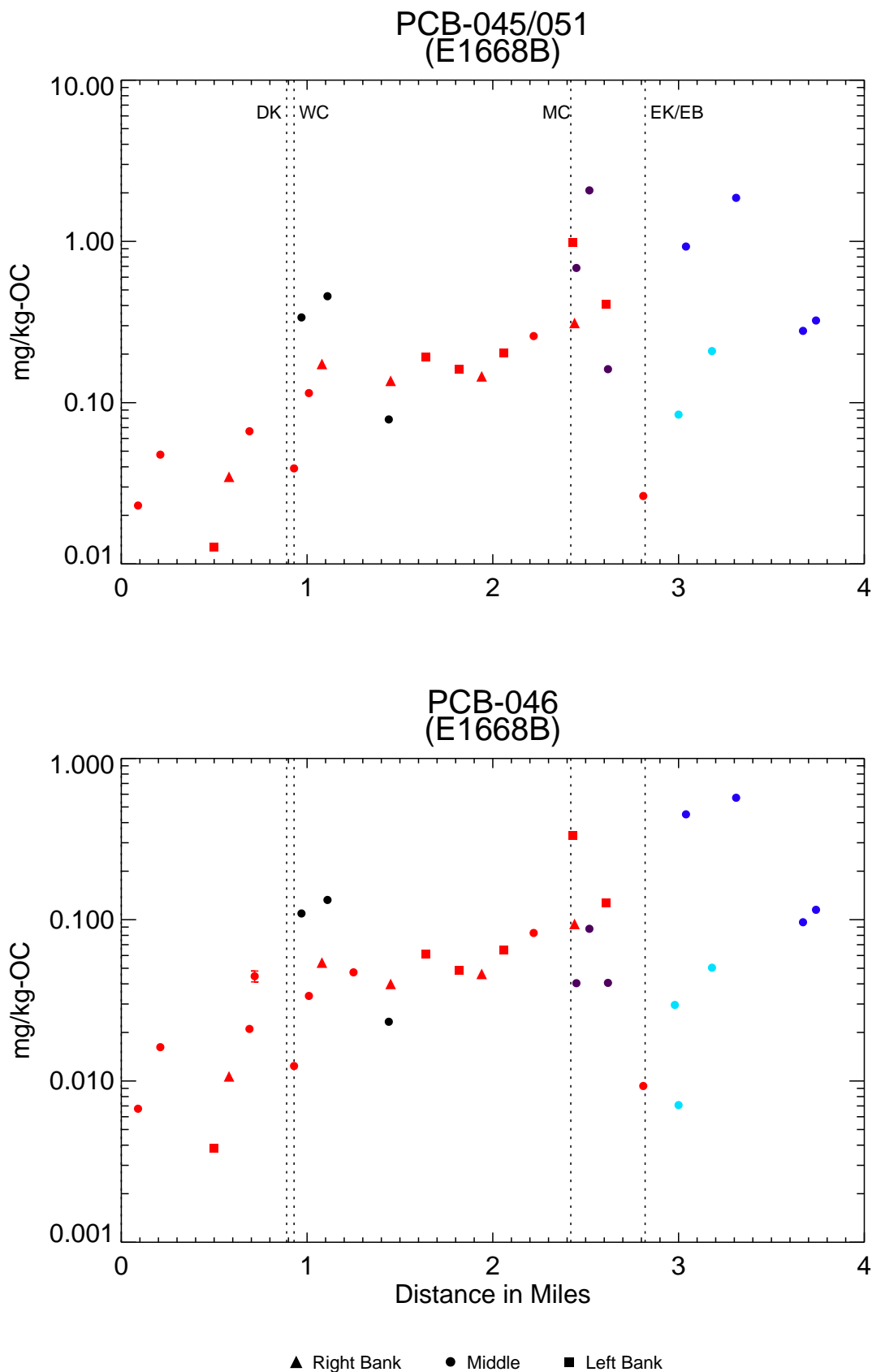
**Figure A4-497**

**Surface Sediment Chemical Data (OC Normal) - 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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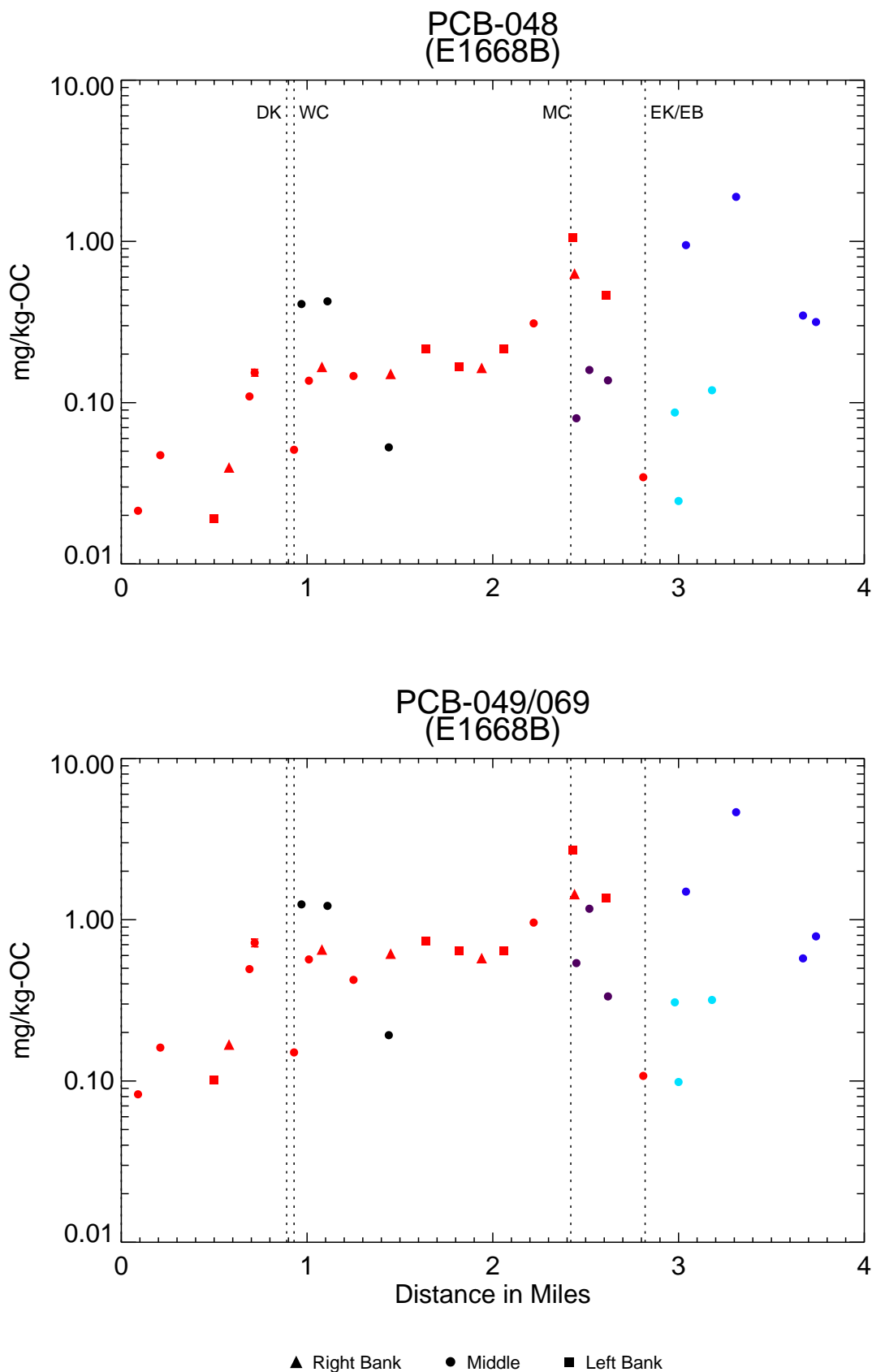
**Figure A4-498**

**Surface Sediment Chemical Data (OC Normal) - 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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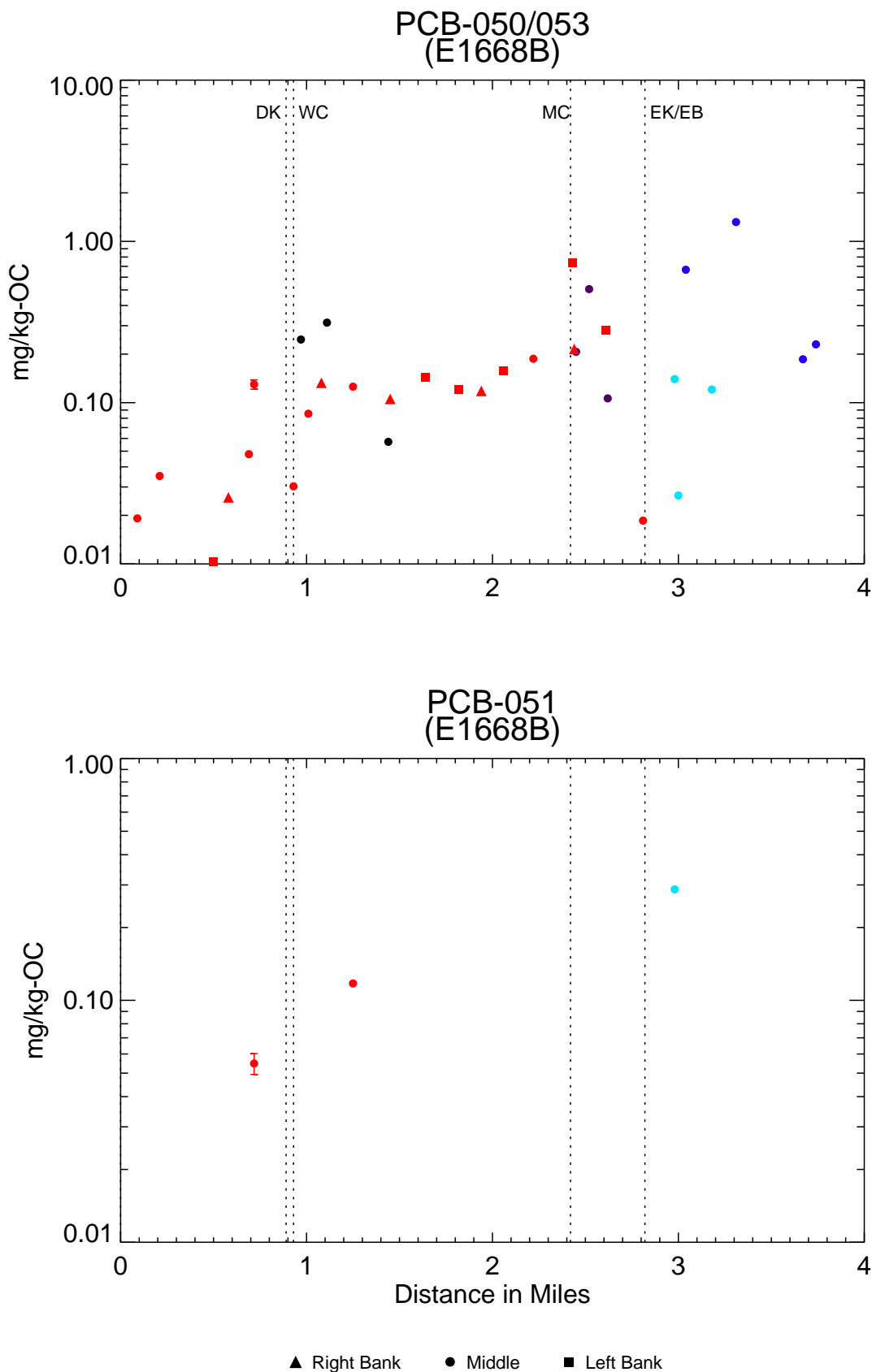
**Figure A4-499**

**Surface Sediment Chemical Data (OC Normal) - 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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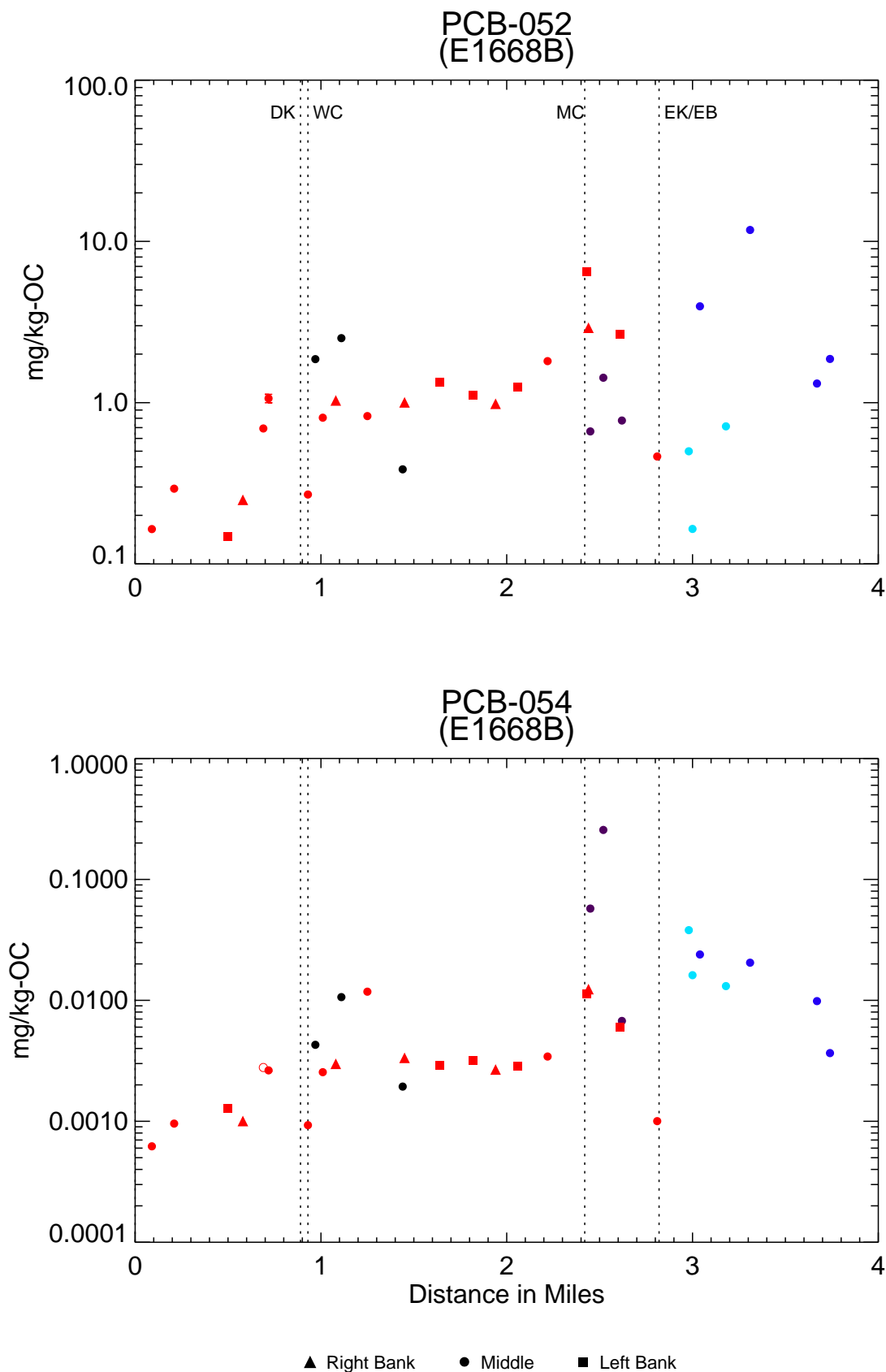
**Figure A4-500**

**Surface Sediment Chemical Data (OC Normal) - 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)
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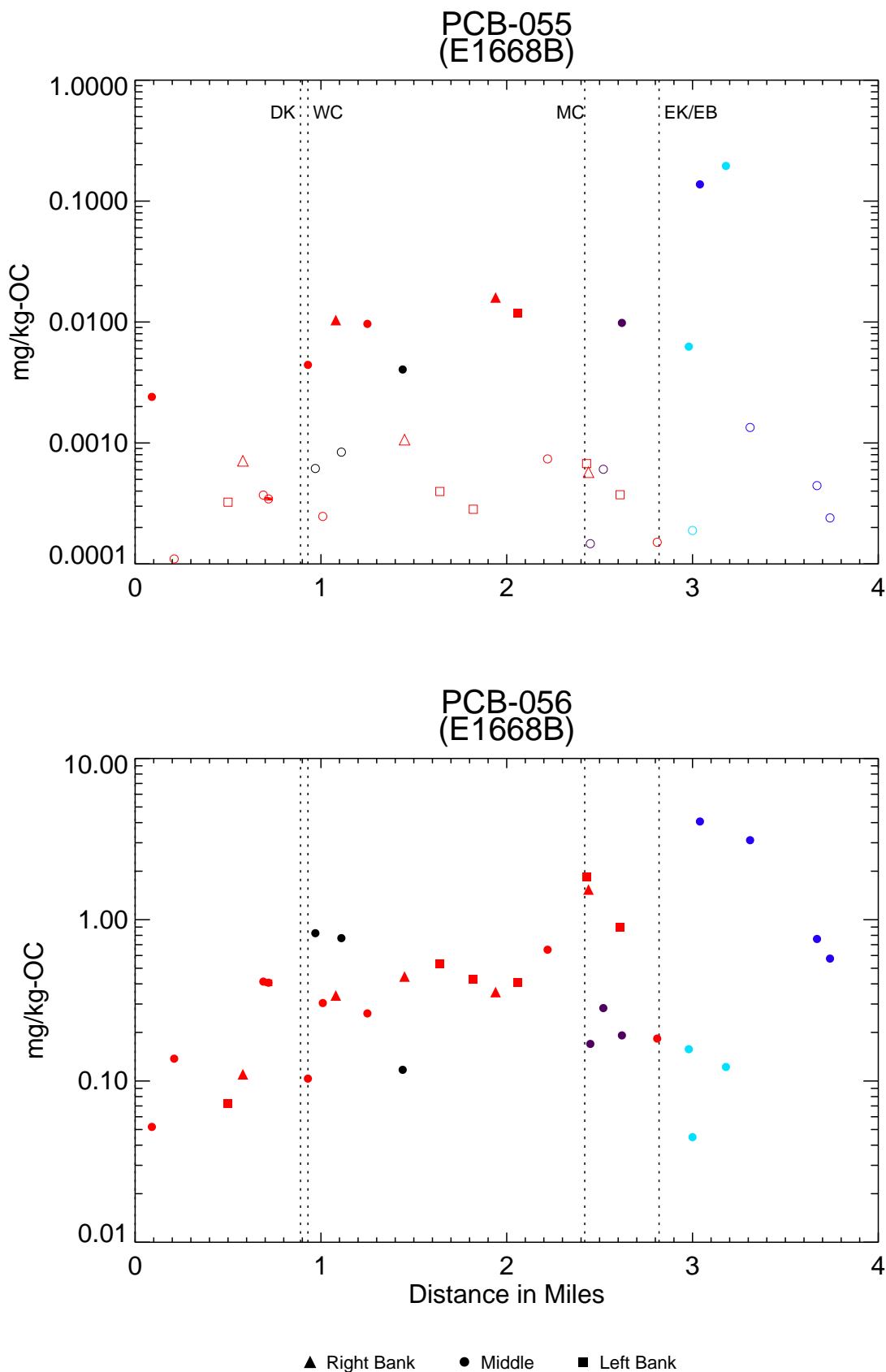
**Figure A4-501**

Surface Sediment Chemical Data (OC Normal) - 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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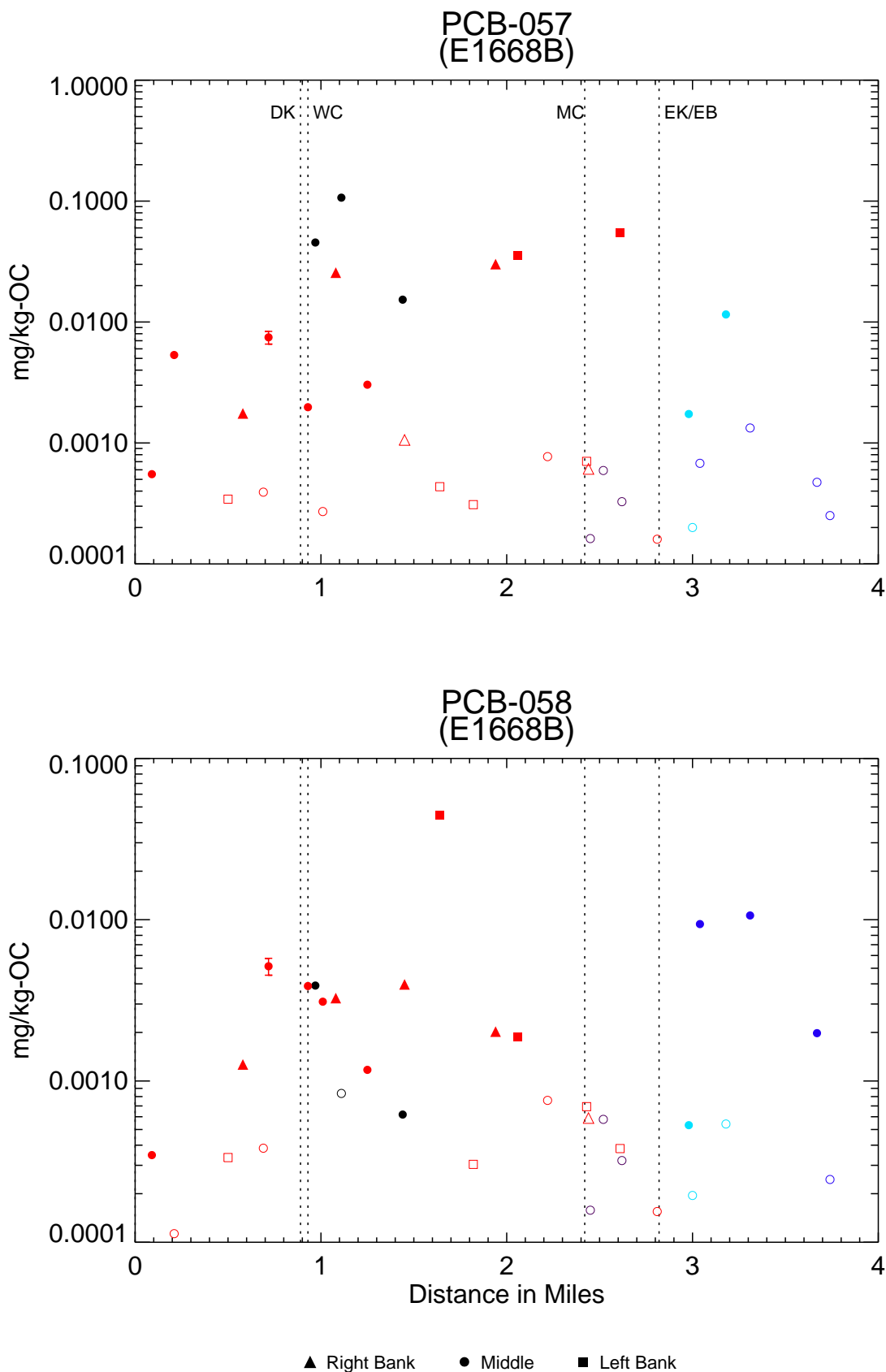
**Figure A4-502**

Surface Sediment Chemical Data (OC Normal) - 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 A4-503**

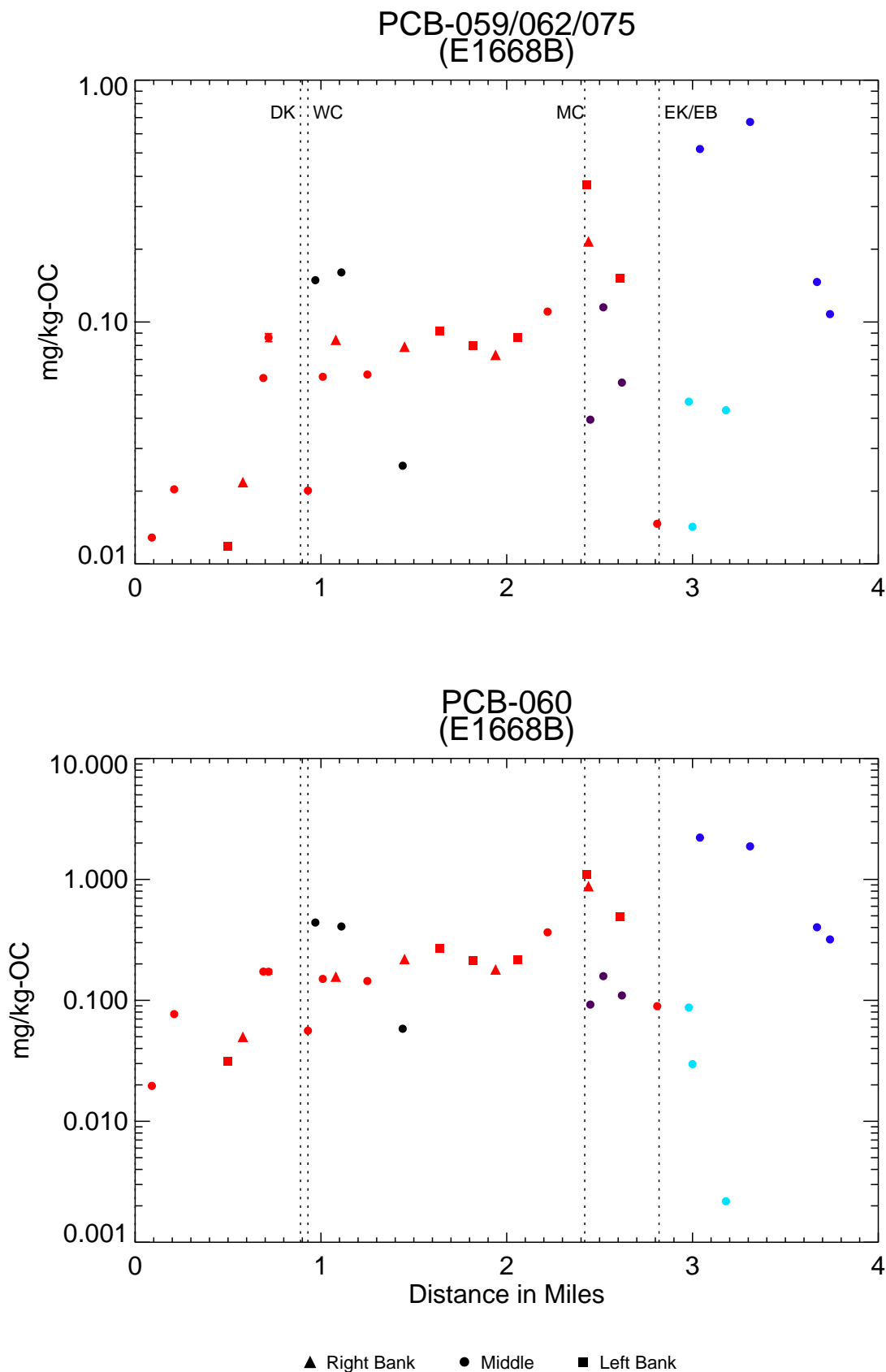
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS



- Newtown Creek
- Dutch Kills (0.89 mi)
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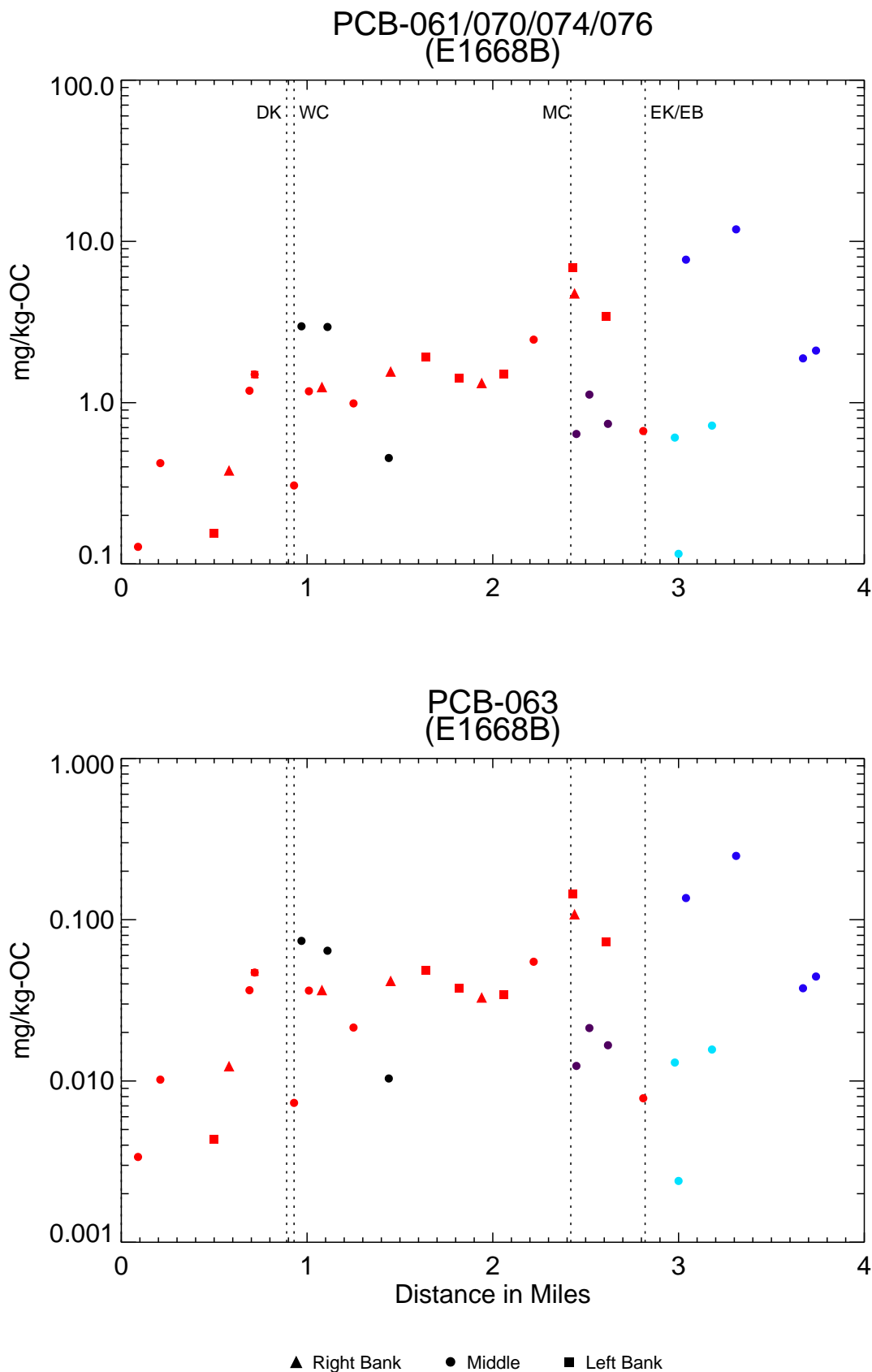
**Figure A4-504**

**Surface Sediment Chemical Data (OC Normal) - 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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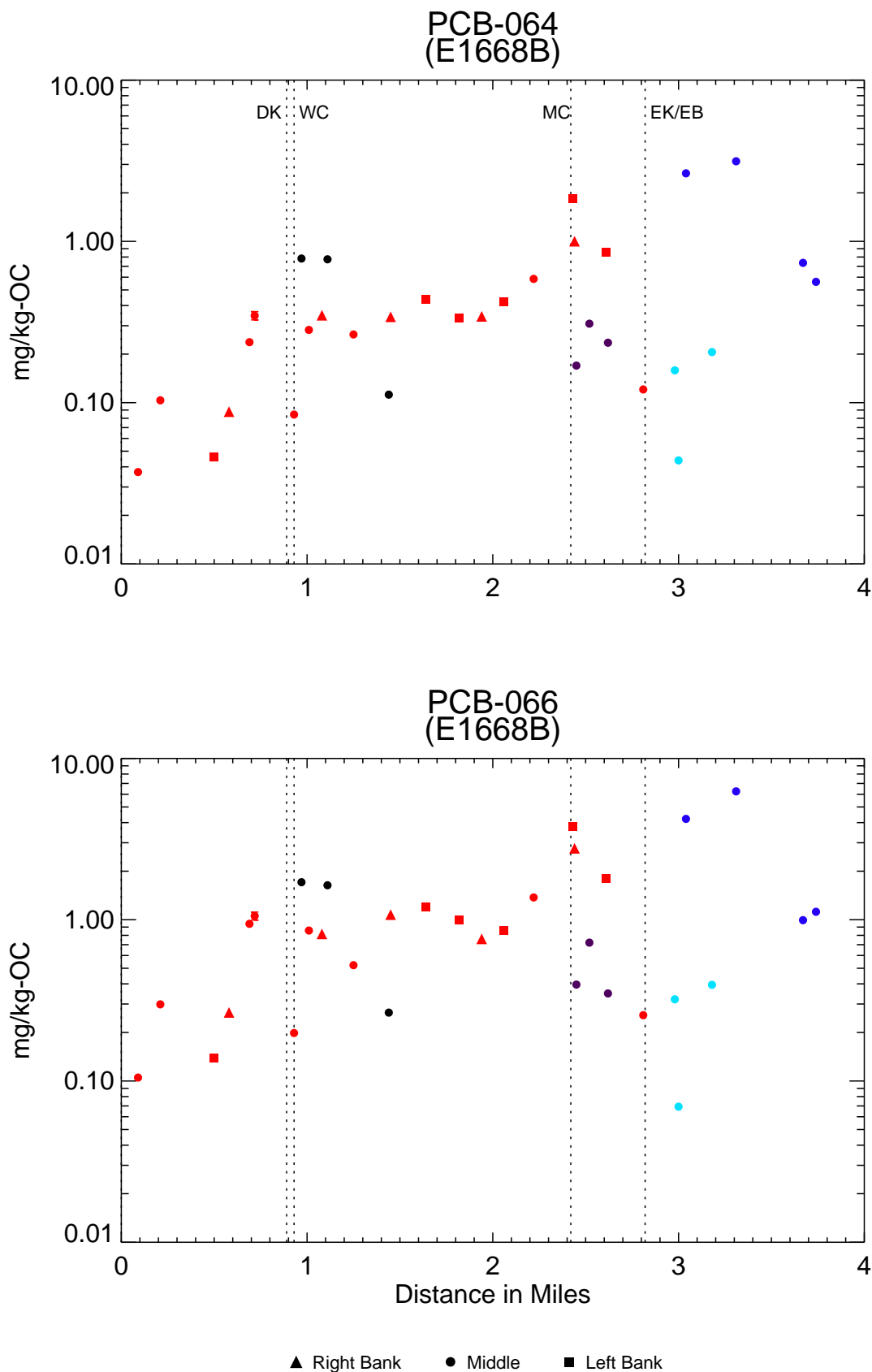
**Figure A4-505**

**Surface Sediment Chemical Data (OC Normal) - 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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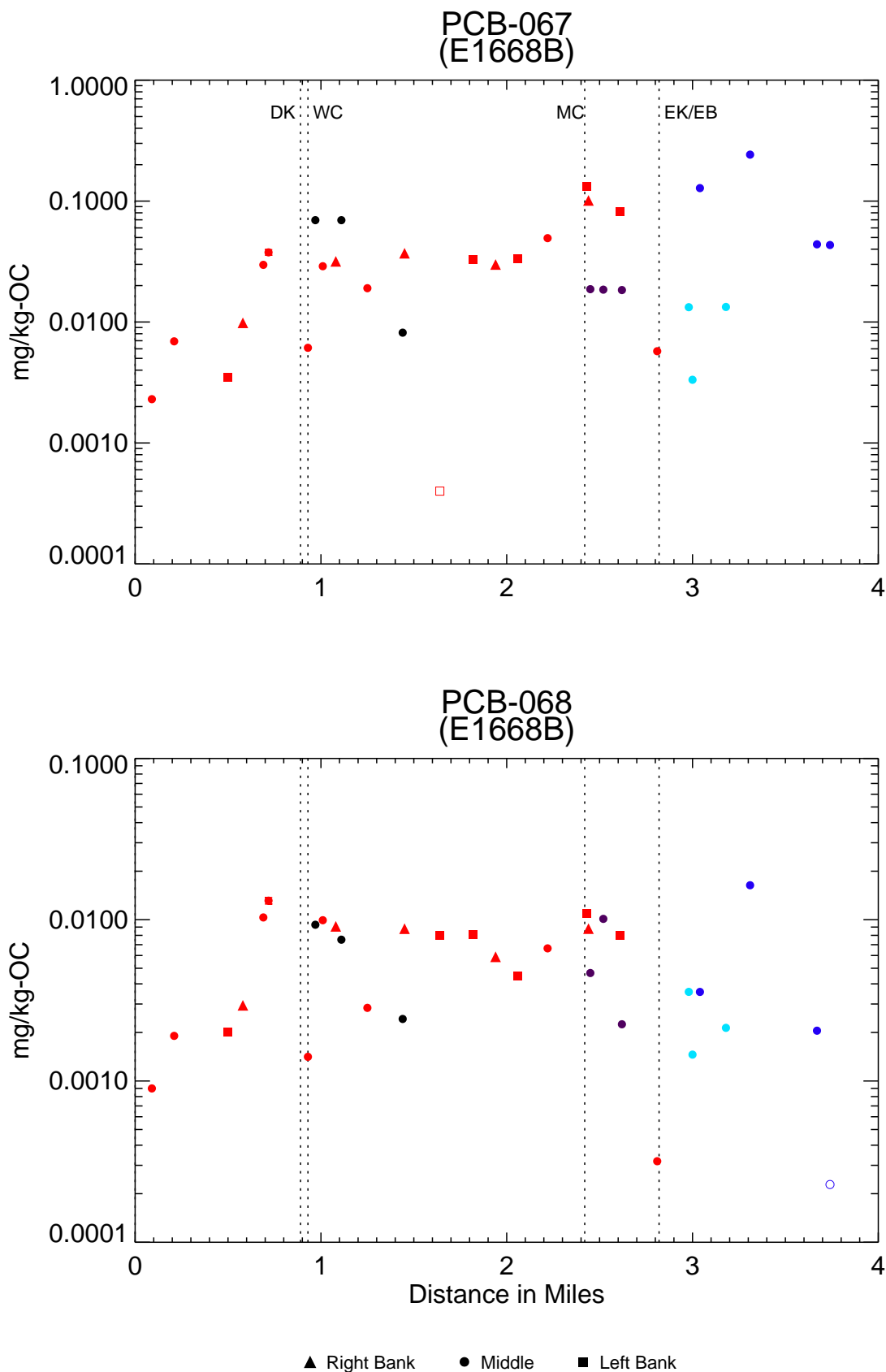
**Figure A4-506**

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

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

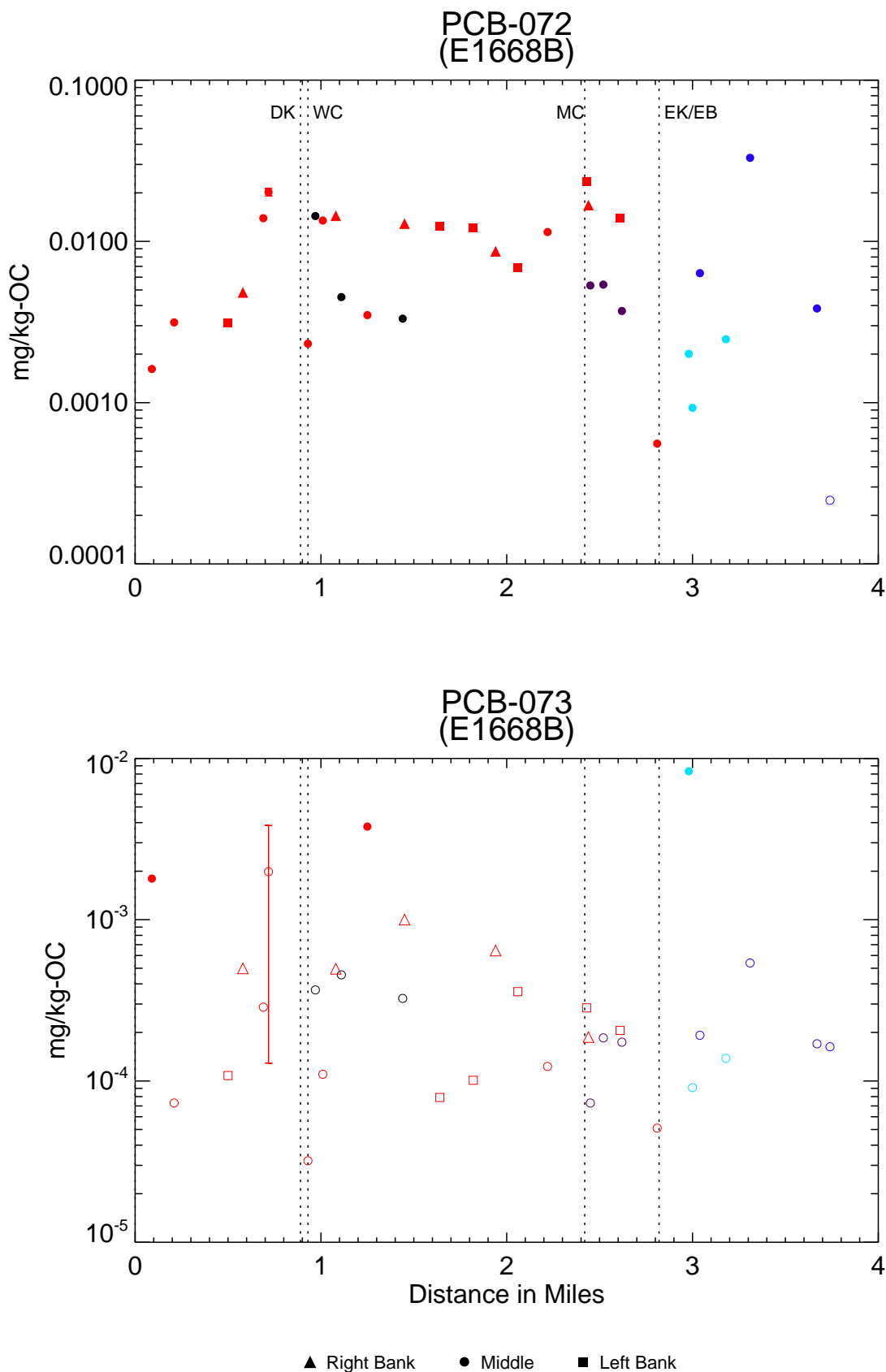
**Figure A4-507**

**Surface Sediment Chemical Data (OC Normal) - 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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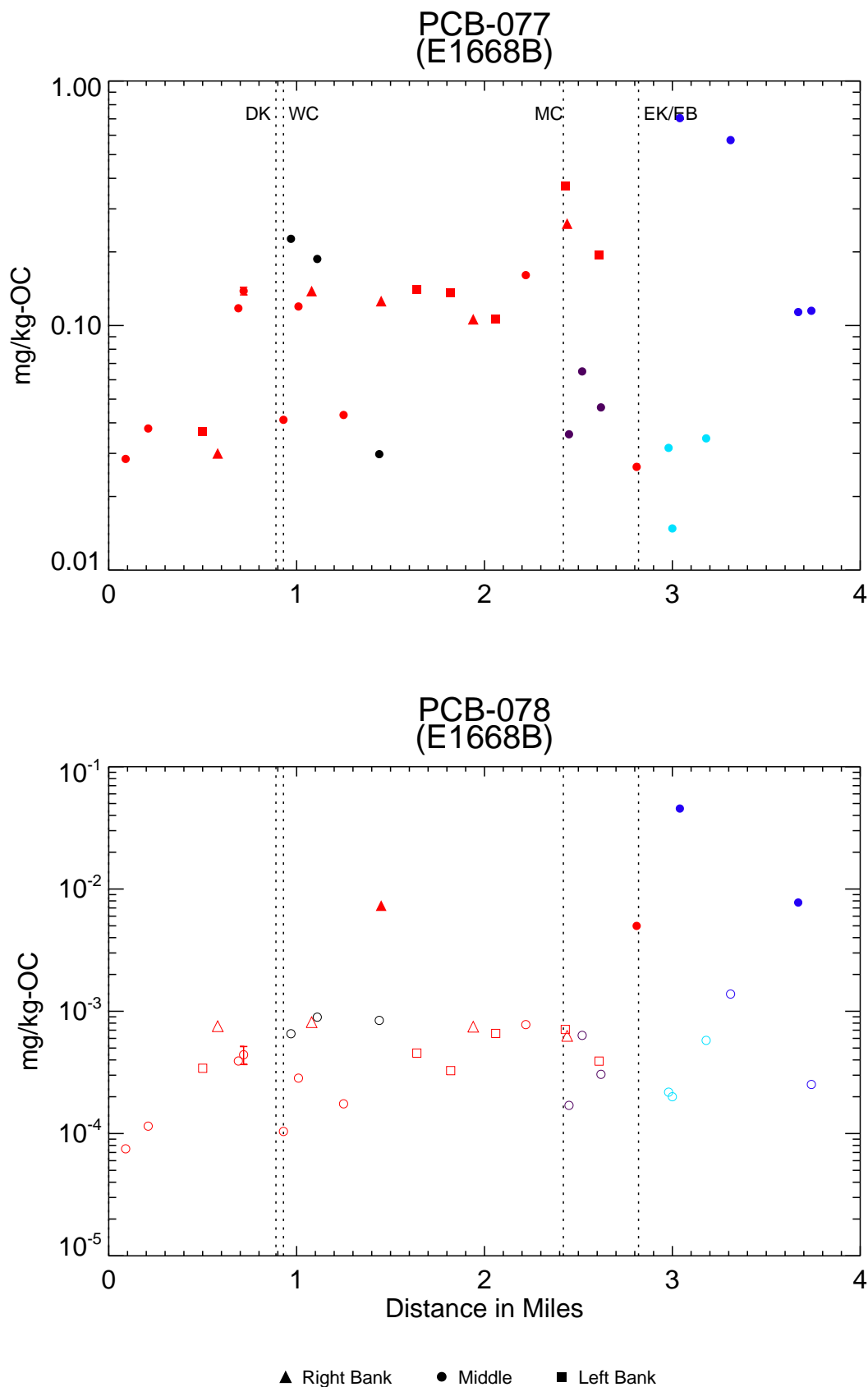
**Figure A4-508**

**Surface Sediment Chemical Data (OC Normal) - 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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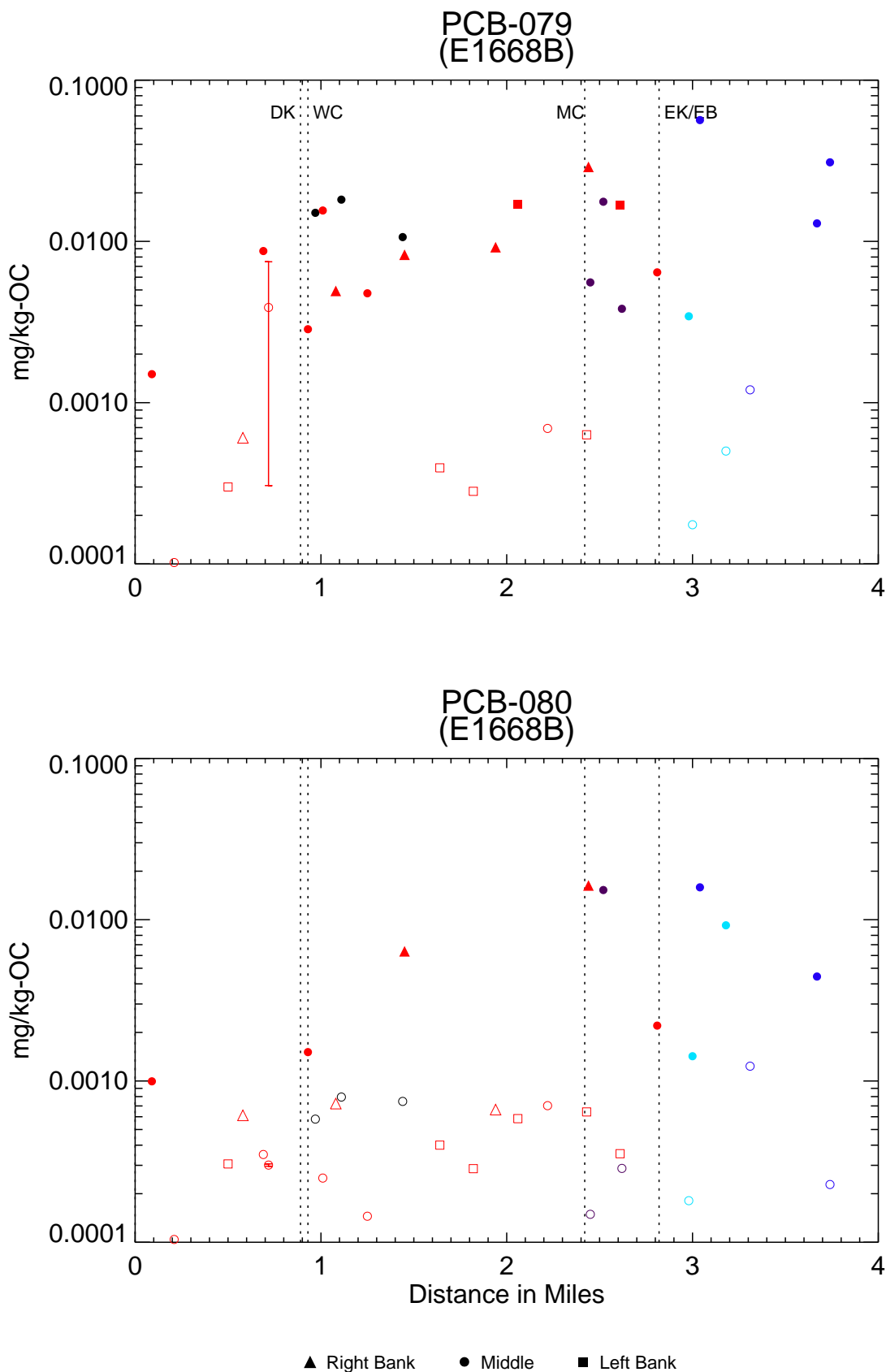
**Figure A4-509**

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



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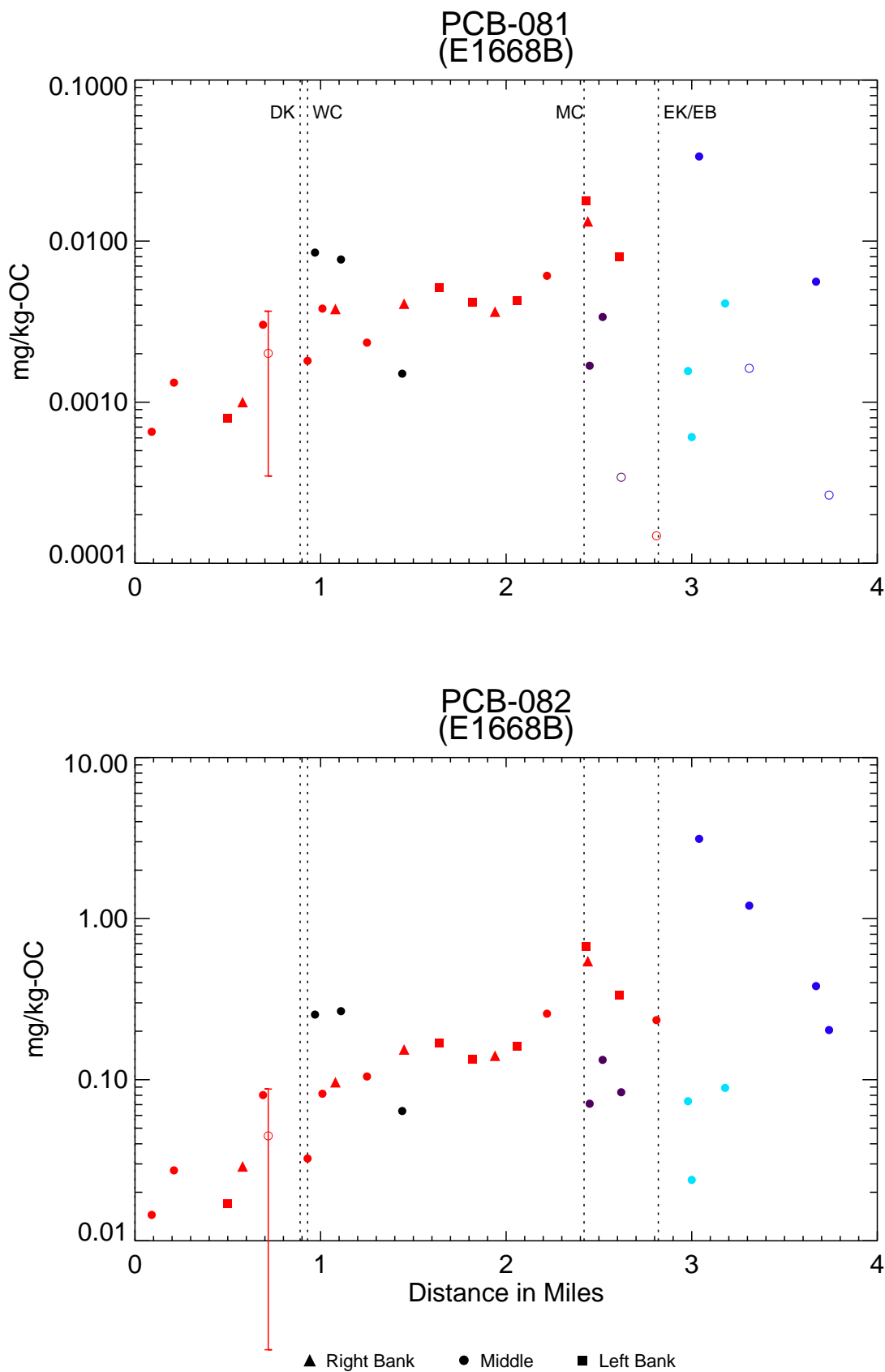
**Figure A4-510**

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

- Newtown Creek
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**Figure A4-511**

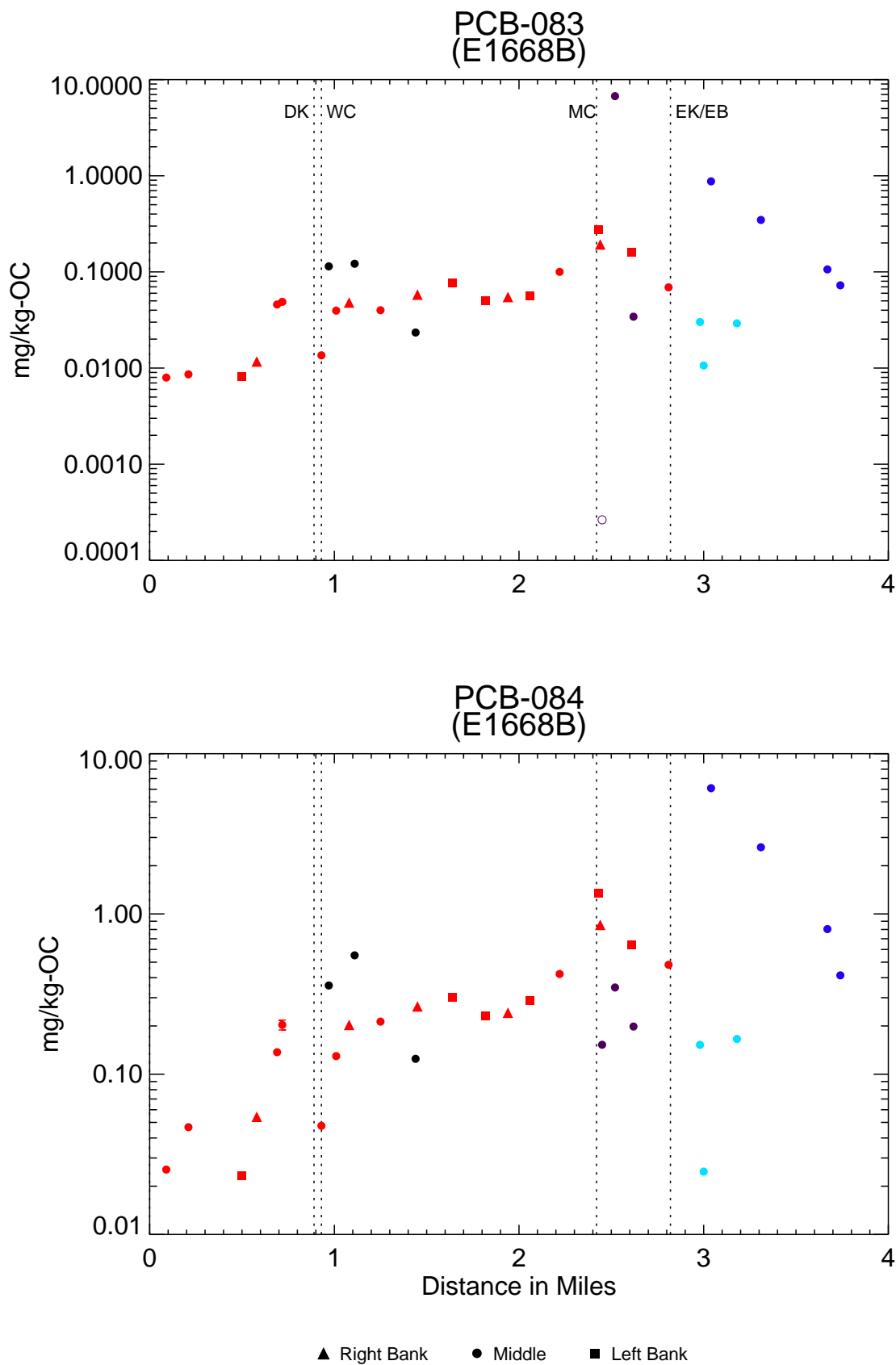
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

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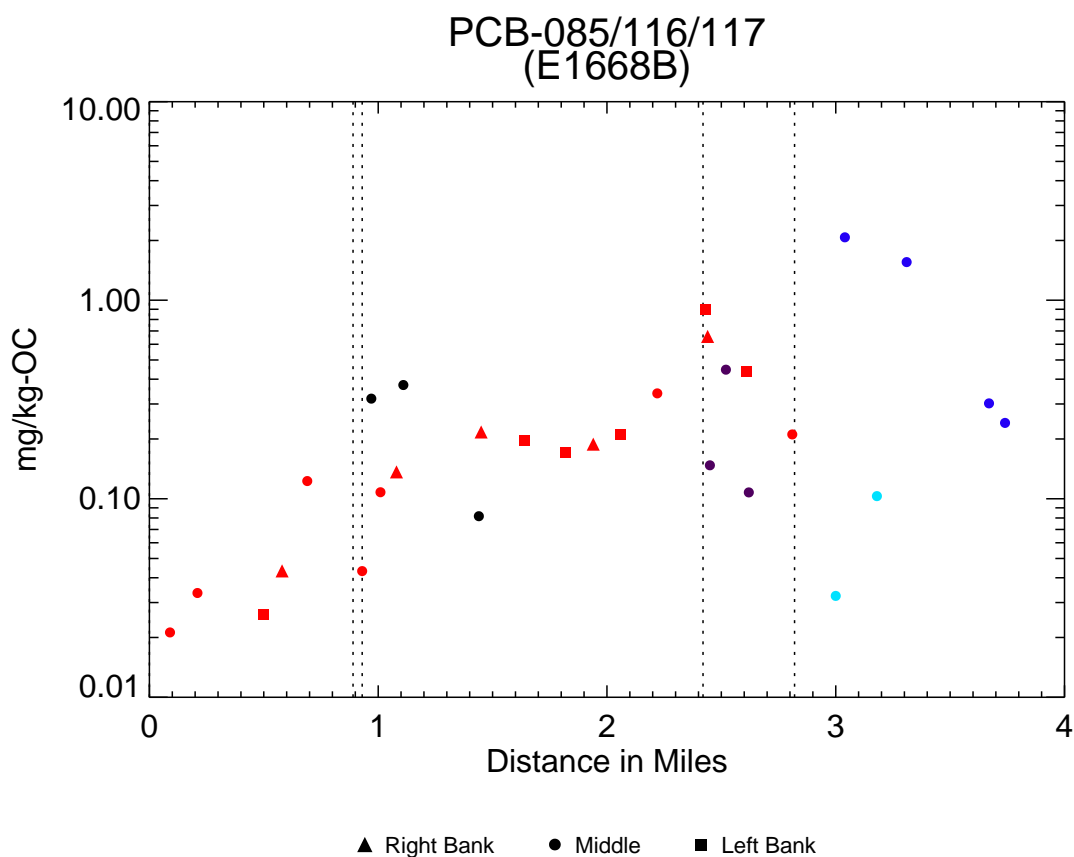
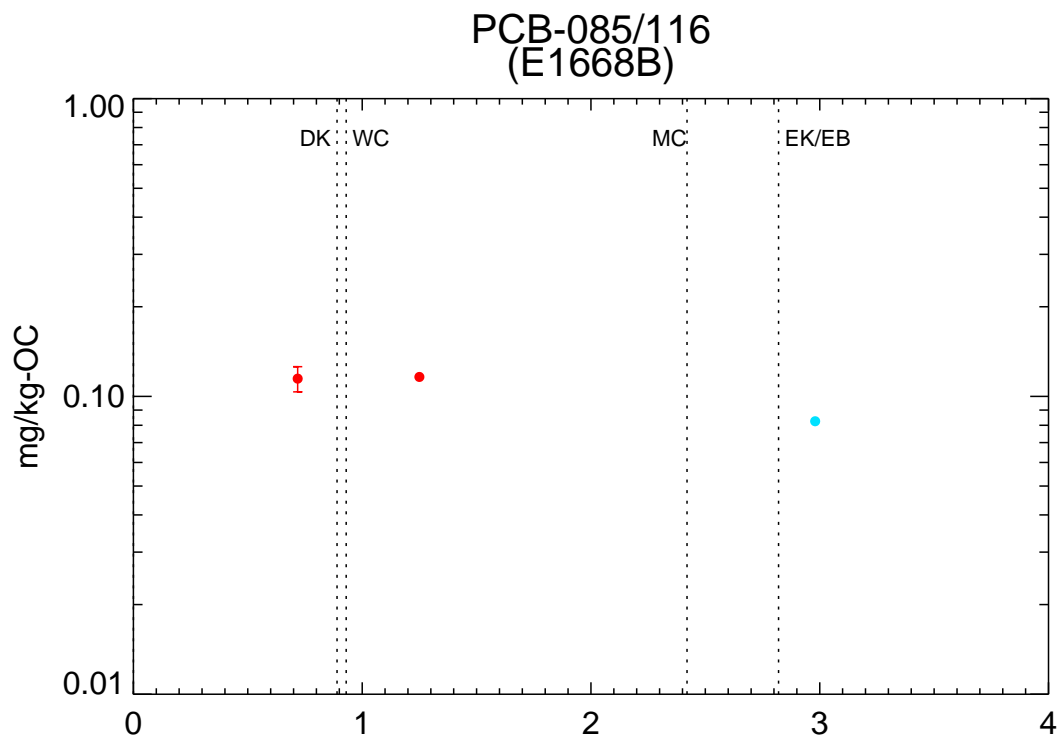
**Figure A4-512**

Surface Sediment Chemical Data (OC Normal) - 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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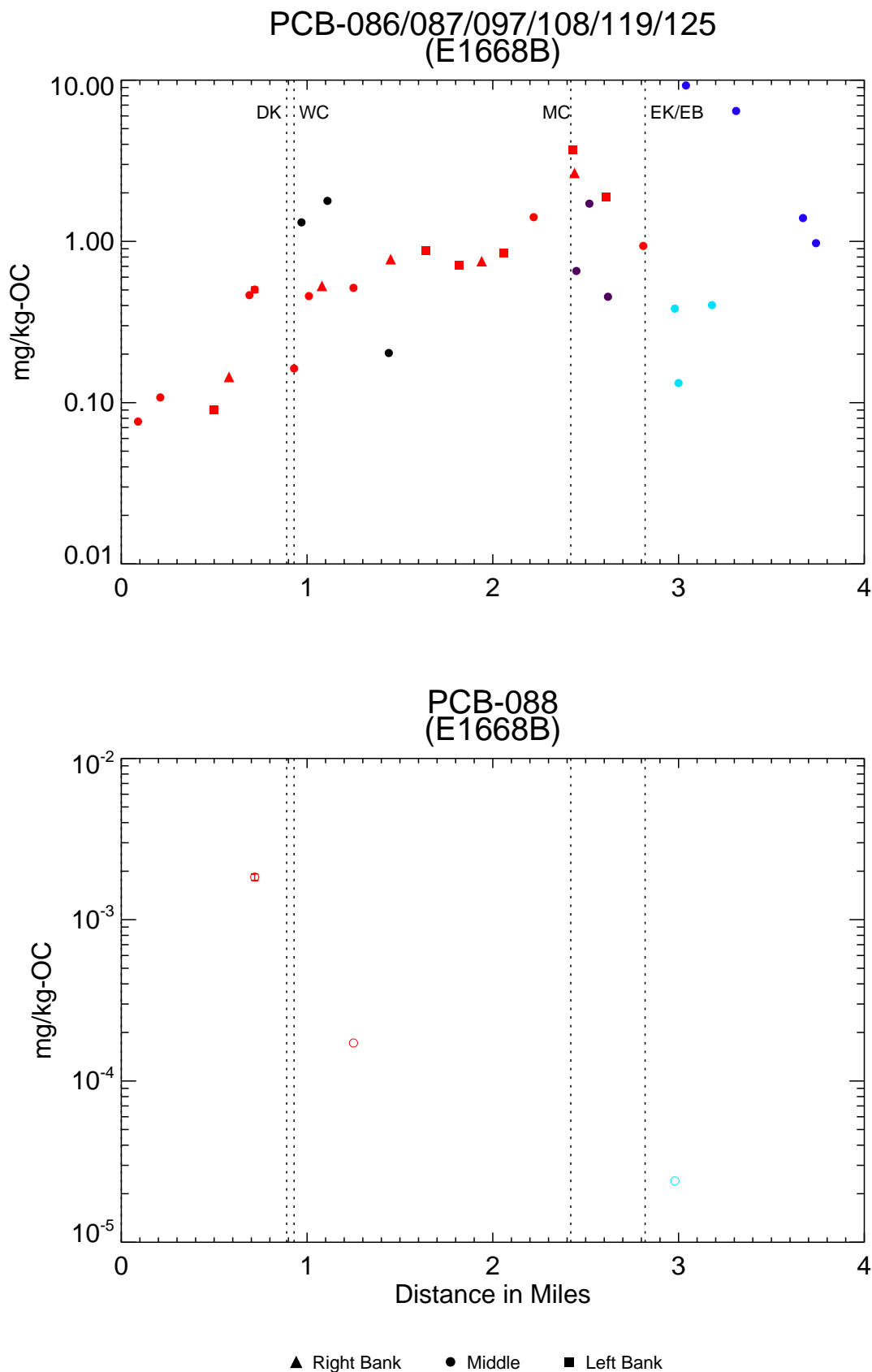
**Figure A4-513**

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



- Newtown Creek
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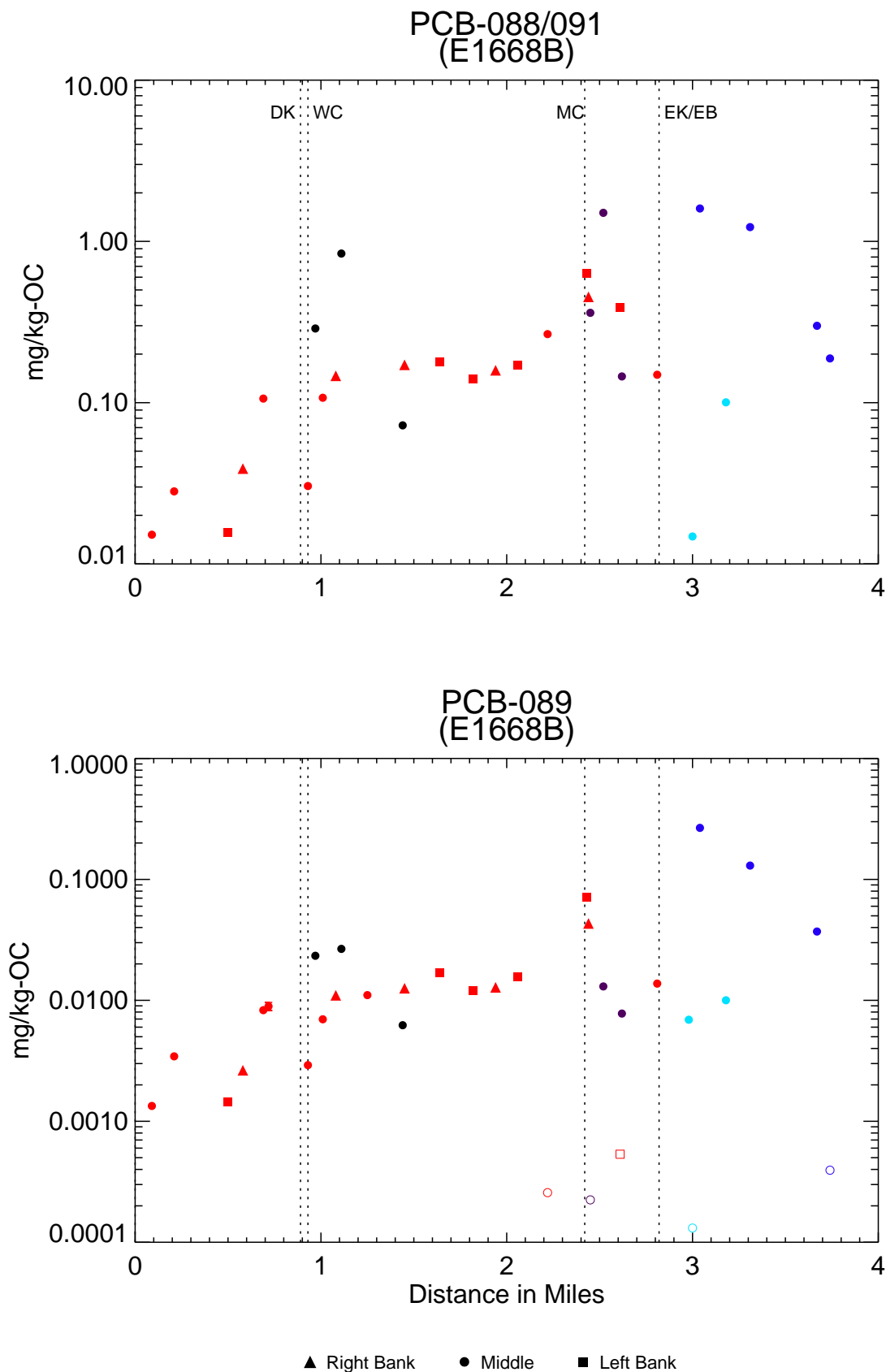
**Figure A4-514**

**Surface Sediment Chemical Data (OC Normal) - 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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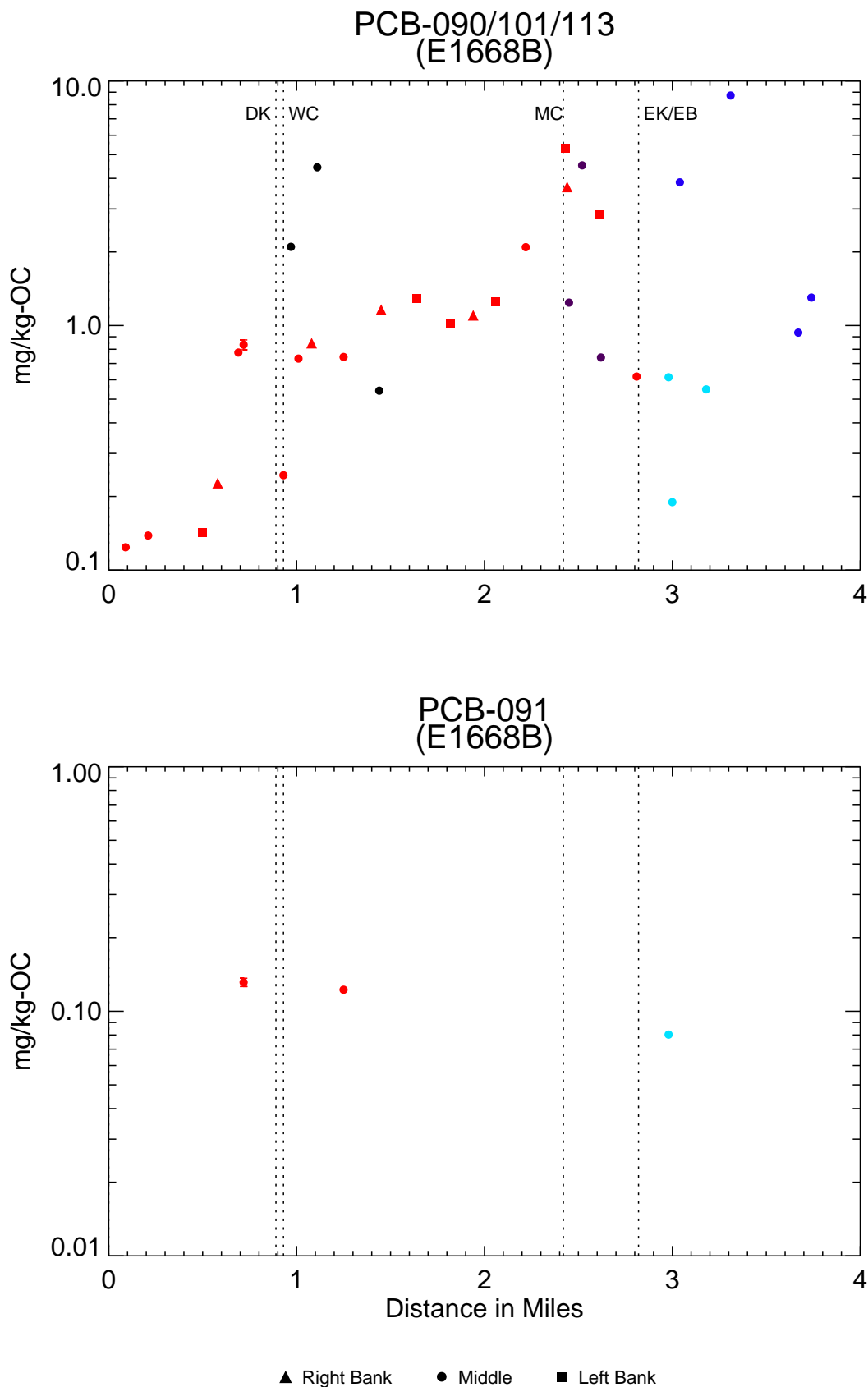
**Figure A4-515**

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



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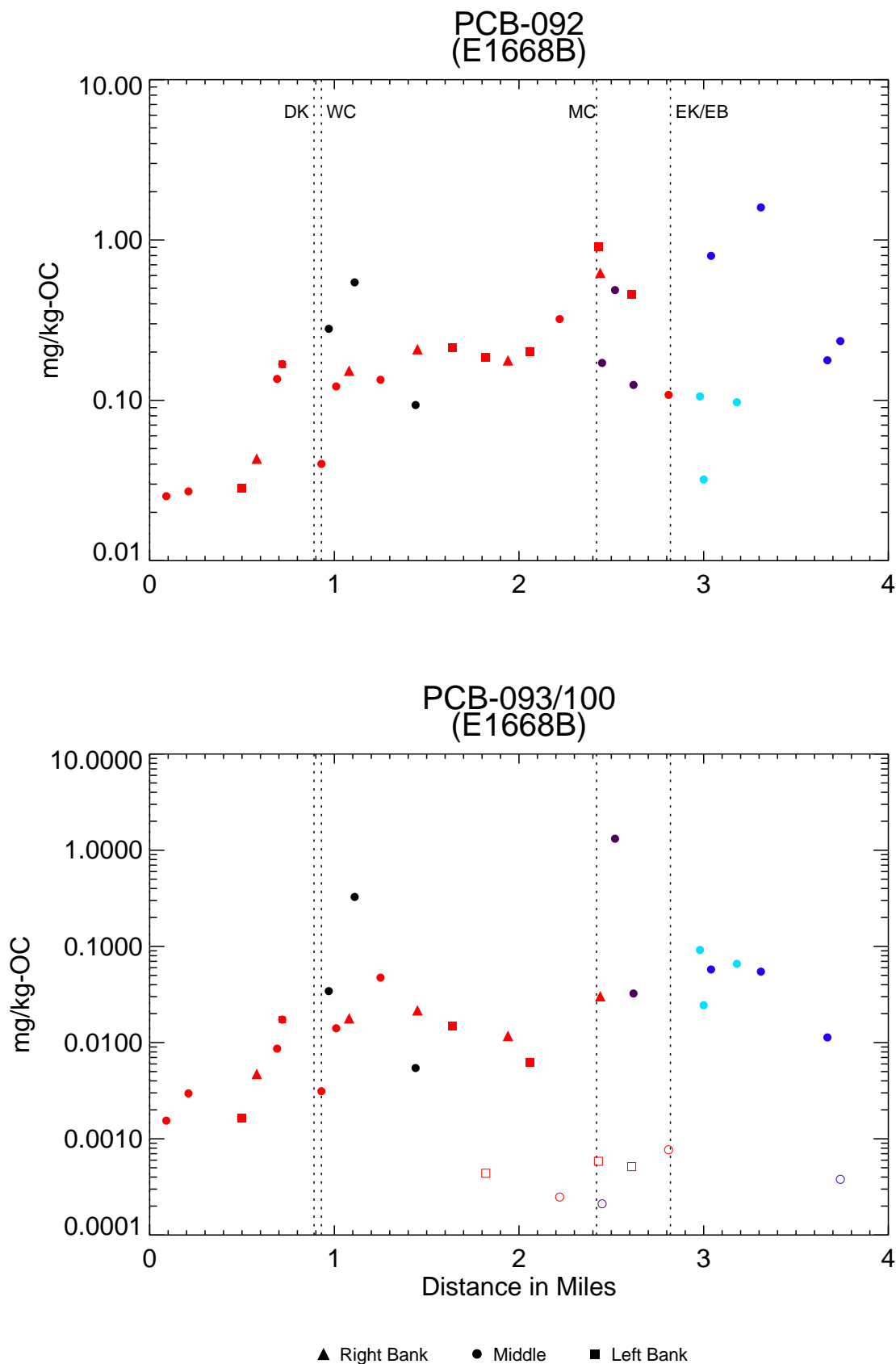
**Figure A4-516**

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

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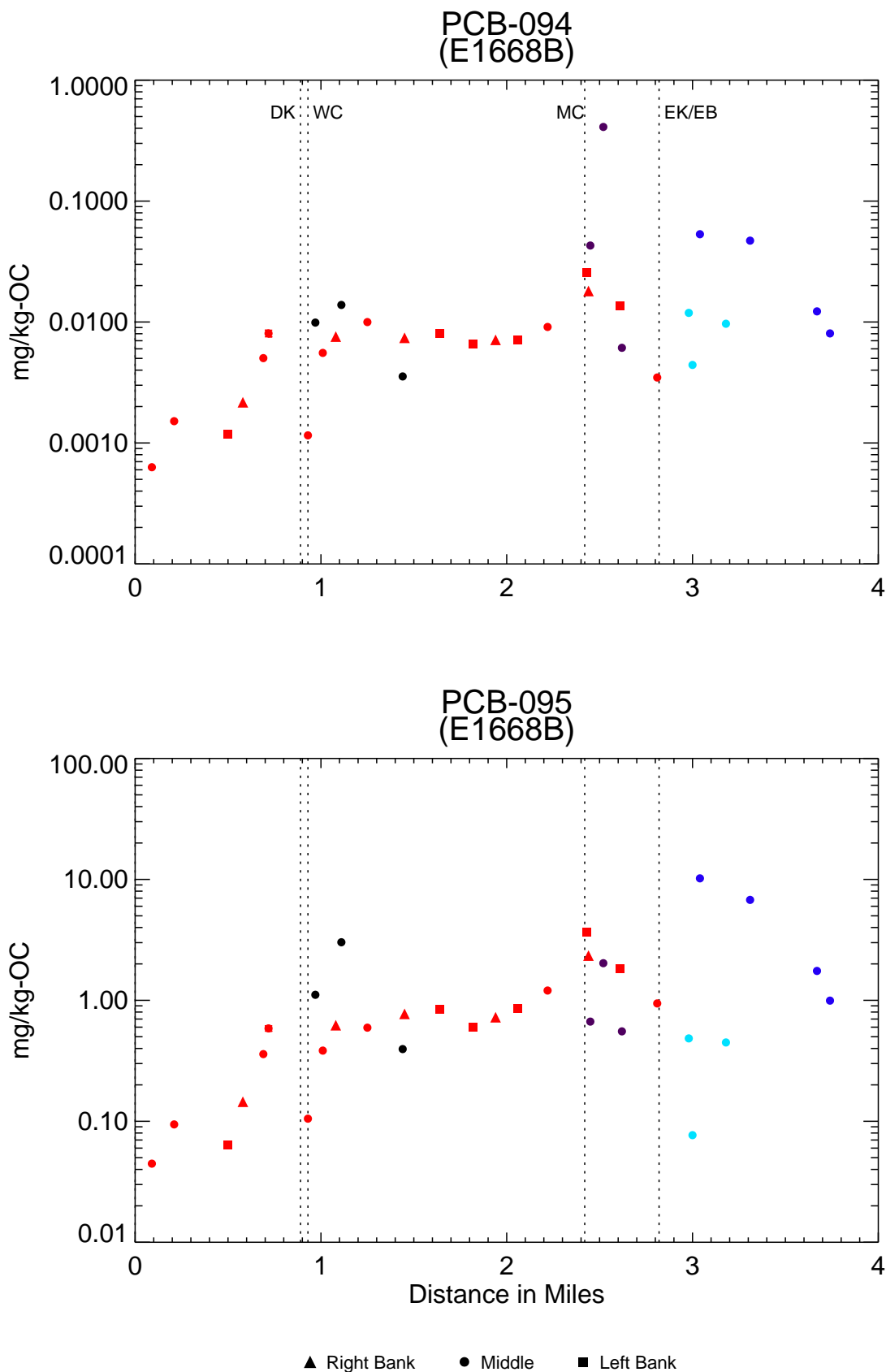
**Figure A4-517**

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

- Newtown Creek
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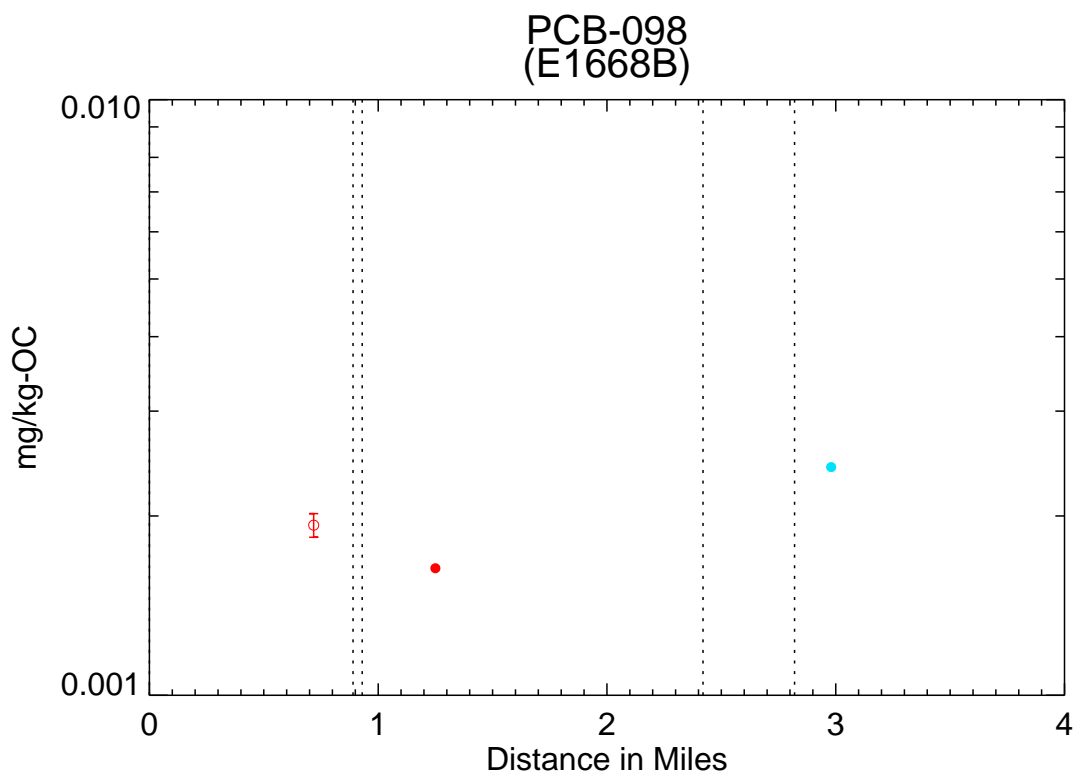
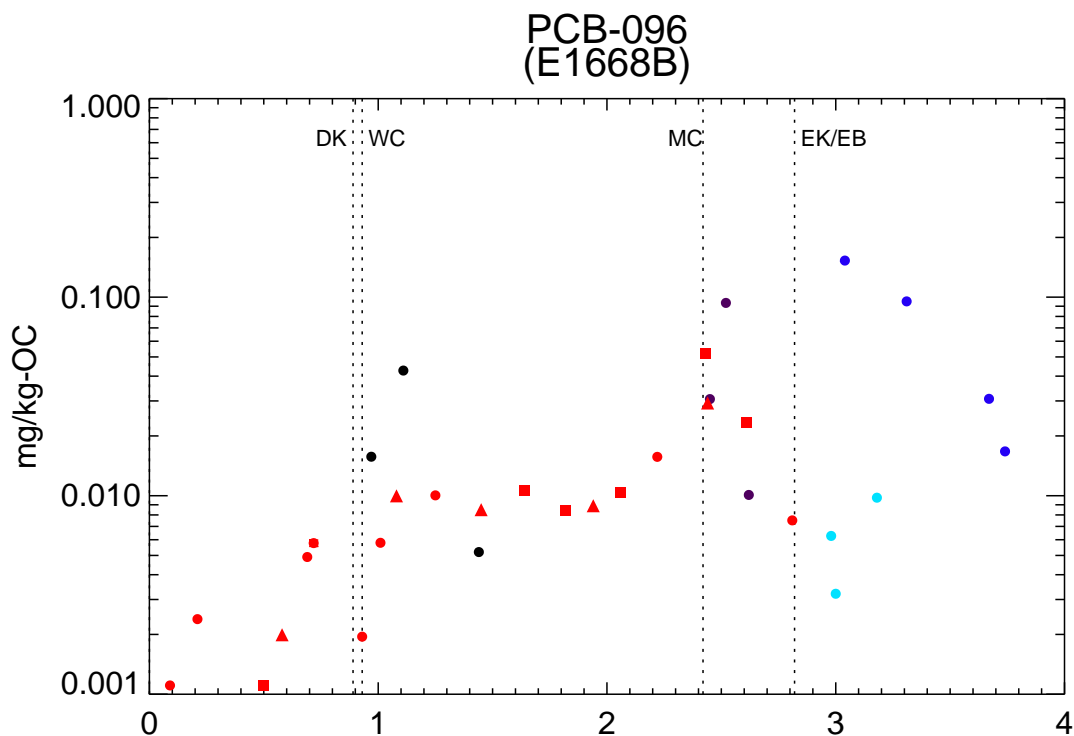
**Figure A4-518**

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

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▲ Right Bank    ● Middle    ■ Left Bank



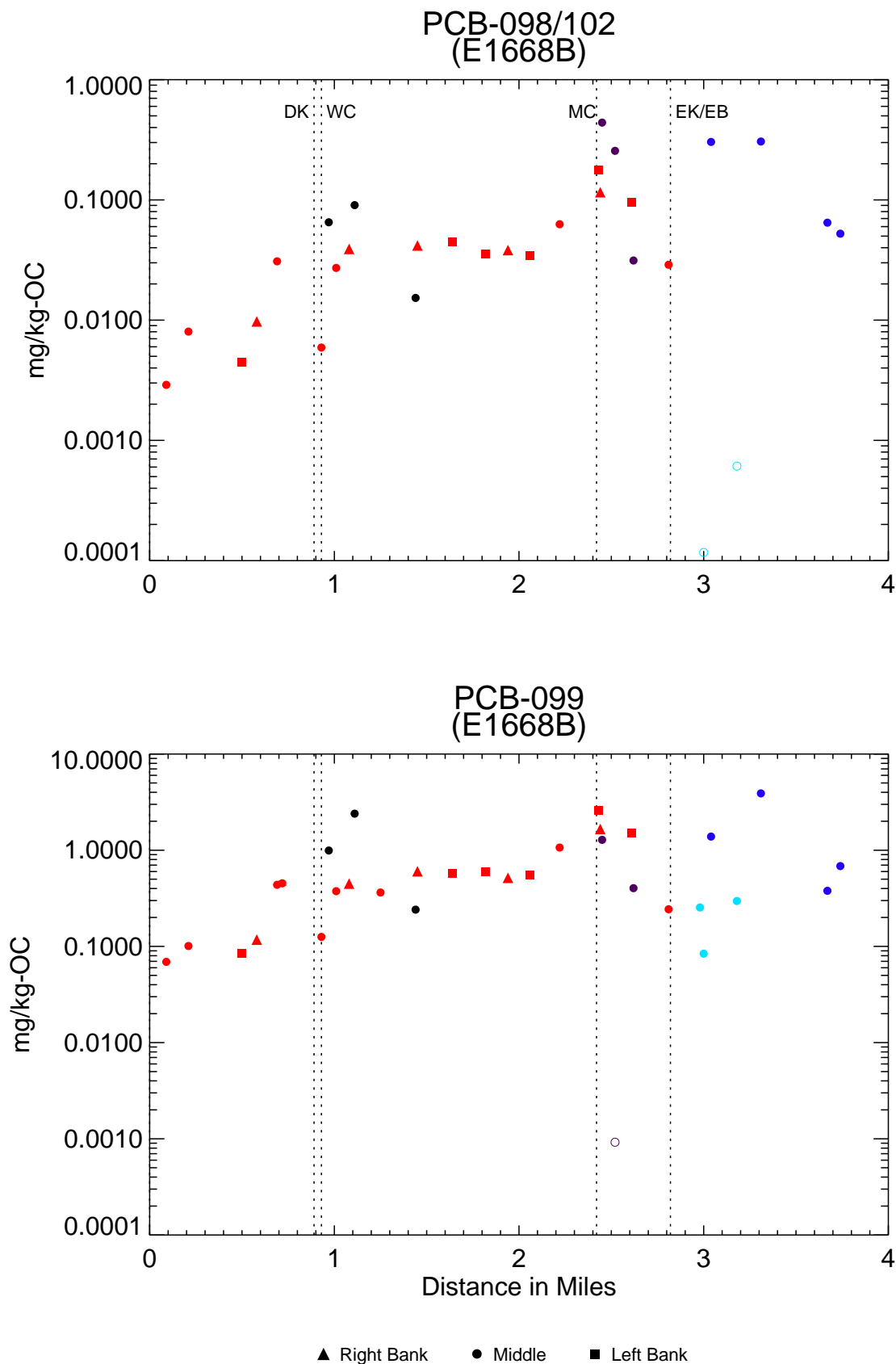
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93 mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-519**

**Surface Sediment Chemical Data (OC Normal) - 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.*



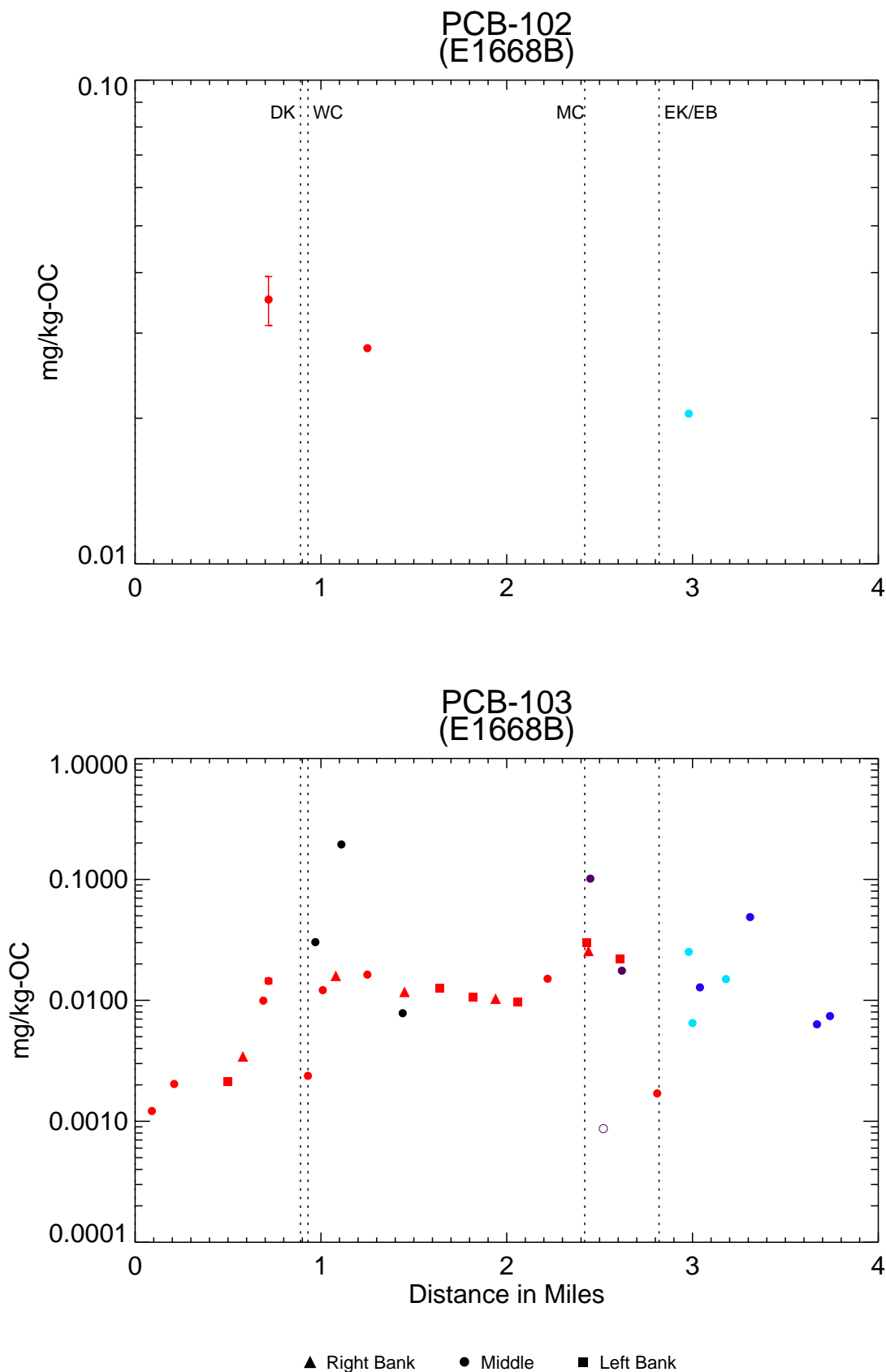
**Figure A4-520**

**Surface Sediment Chemical Data (OC Normal) - 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.*

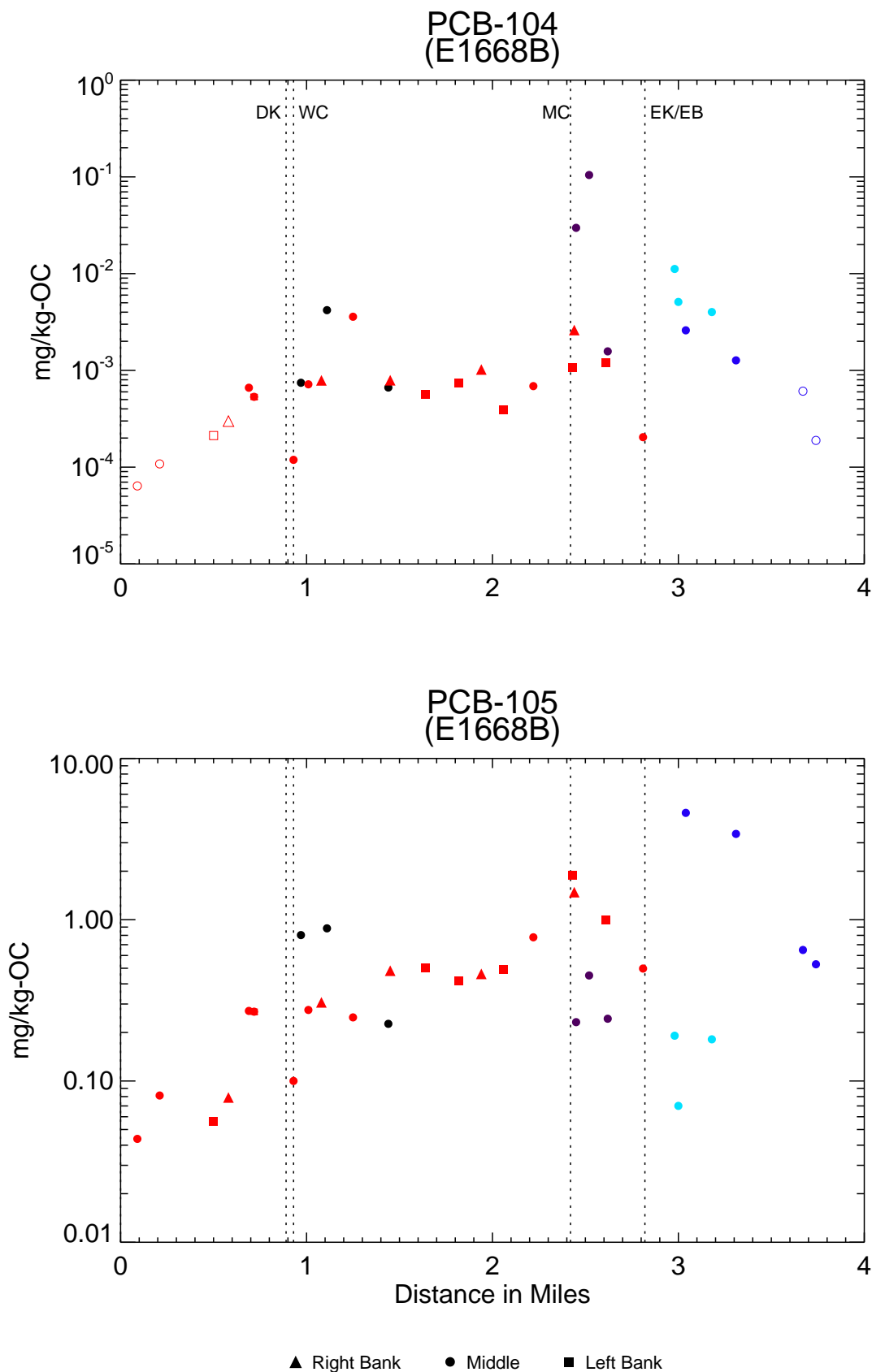
**Figure A4-521**

**Surface Sediment Chemical Data (OC Normal) - 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.*



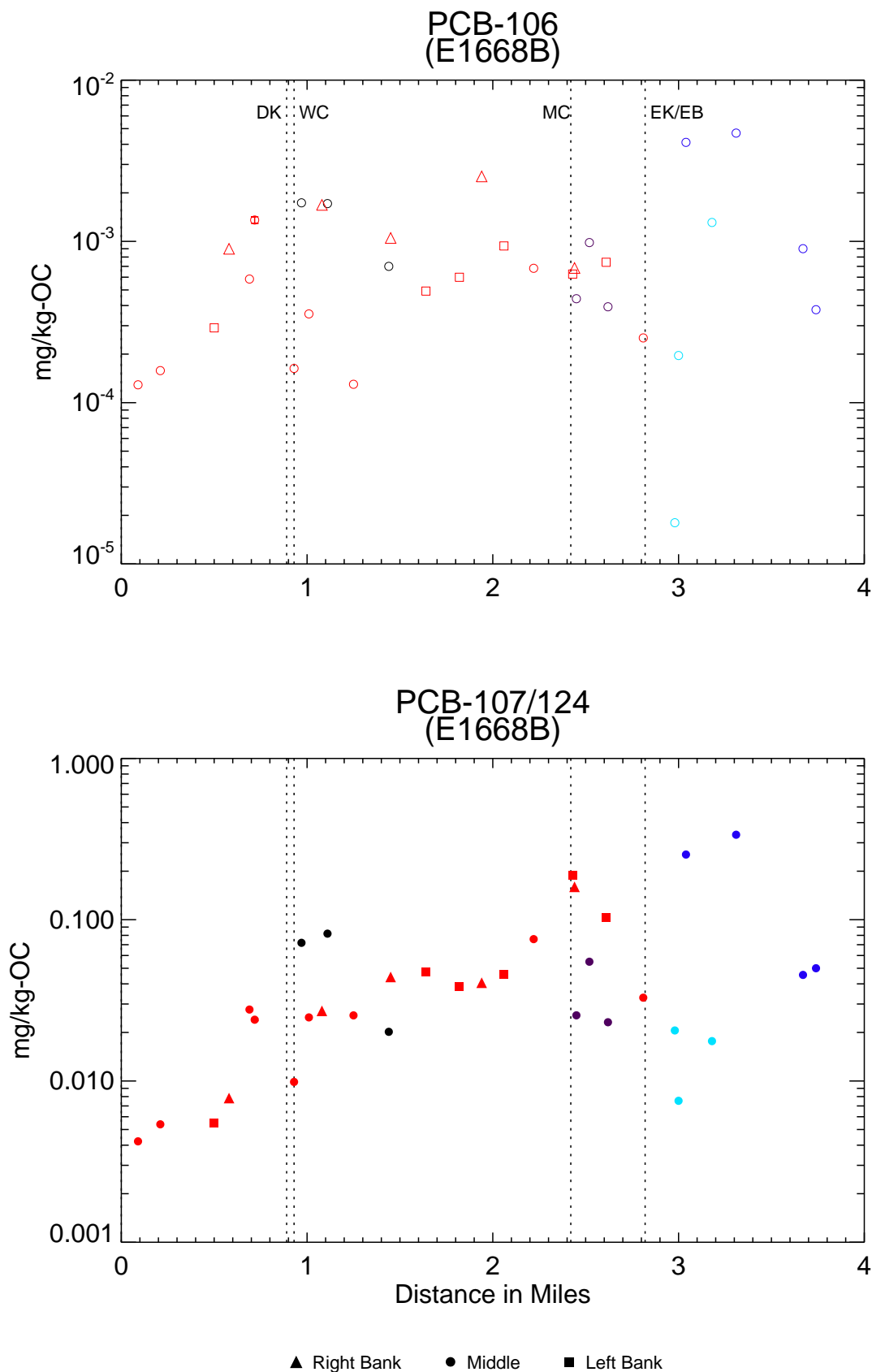
**Figure A4-522**

Surface Sediment Chemical Data (OC Normal) - 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.*

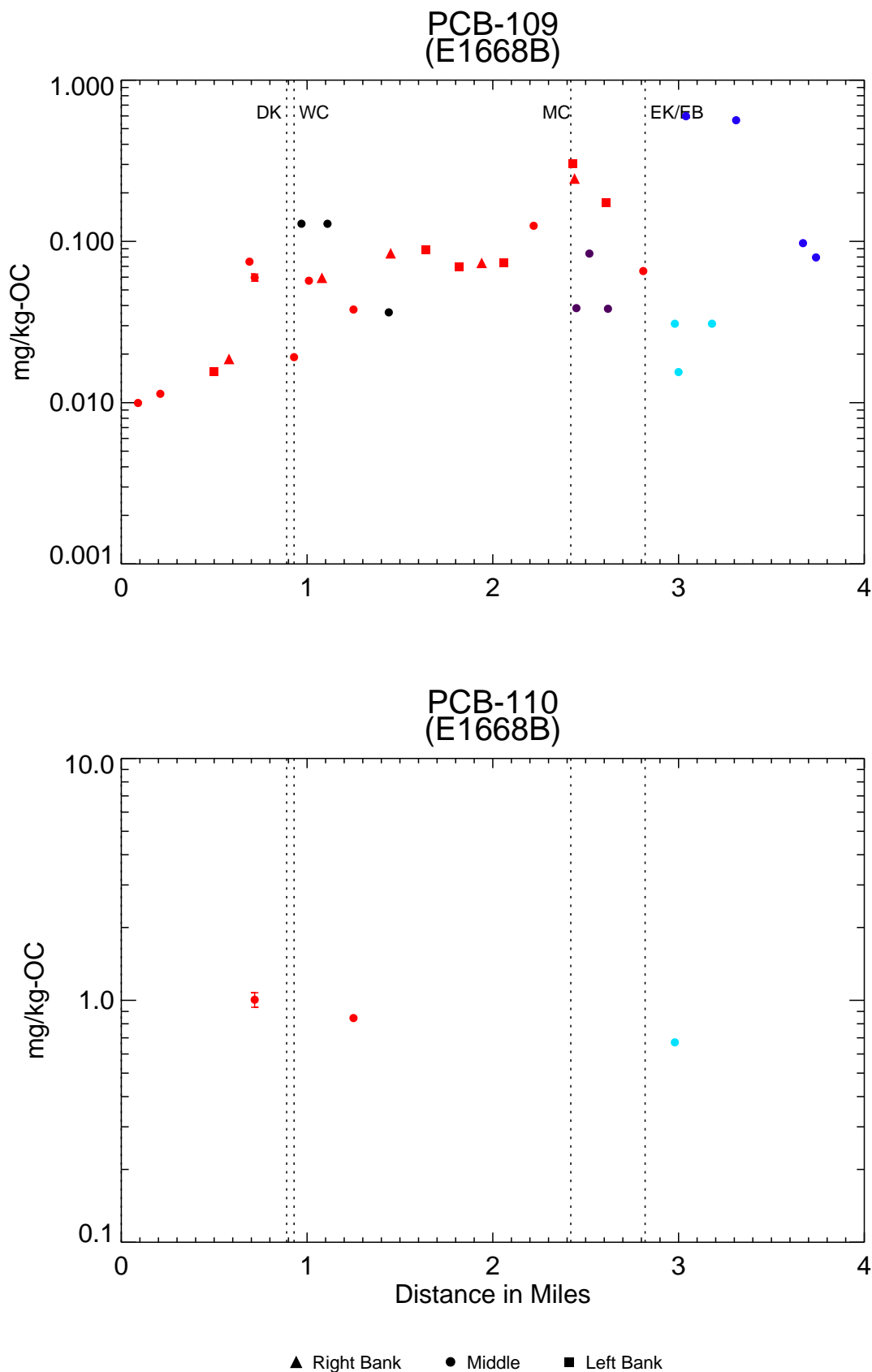
**Figure A4-523**

Surface Sediment Chemical Data (OC Normal) - 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.*

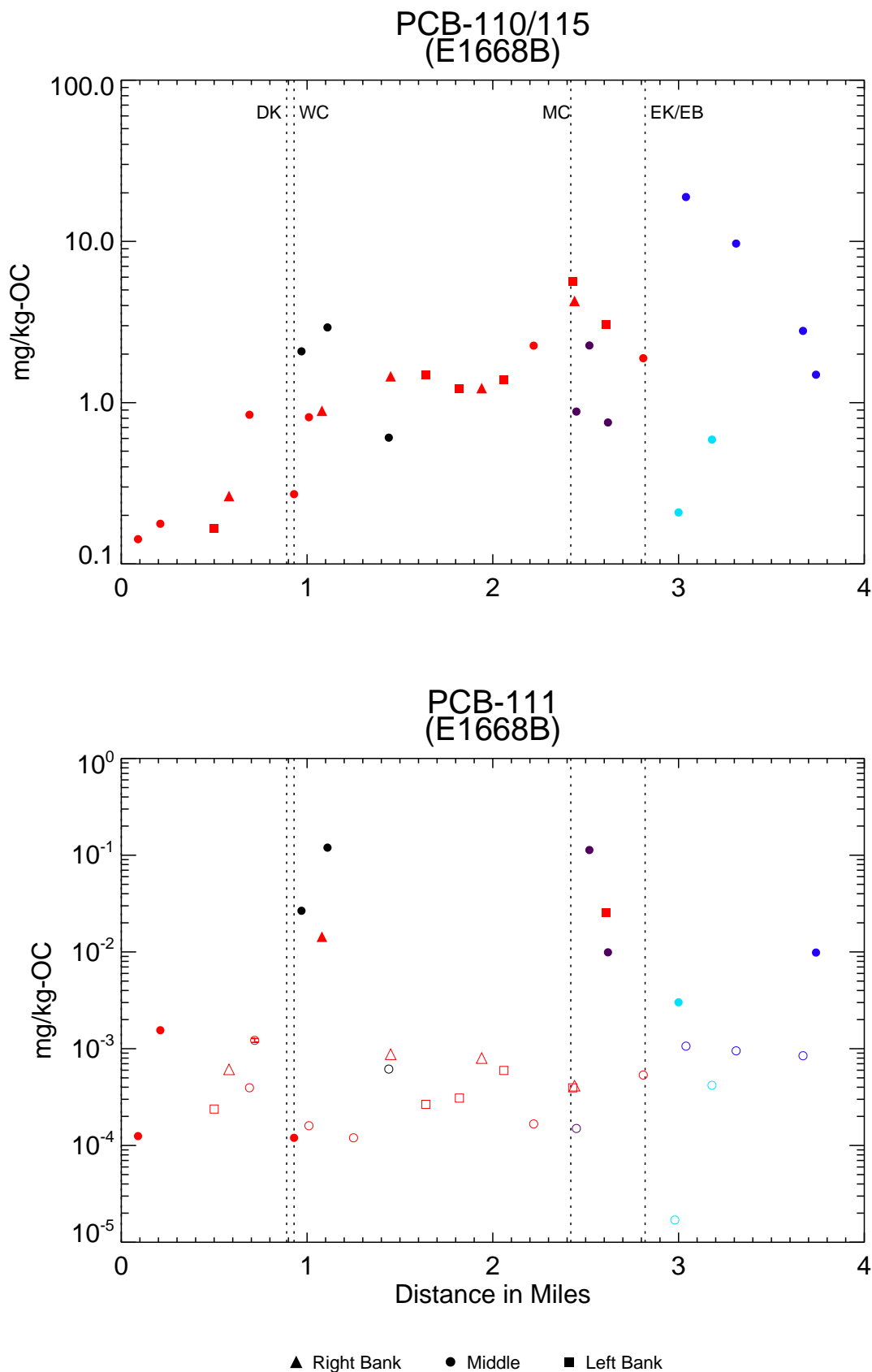
**Figure A4-524**

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

- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93 mi)
- 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.*



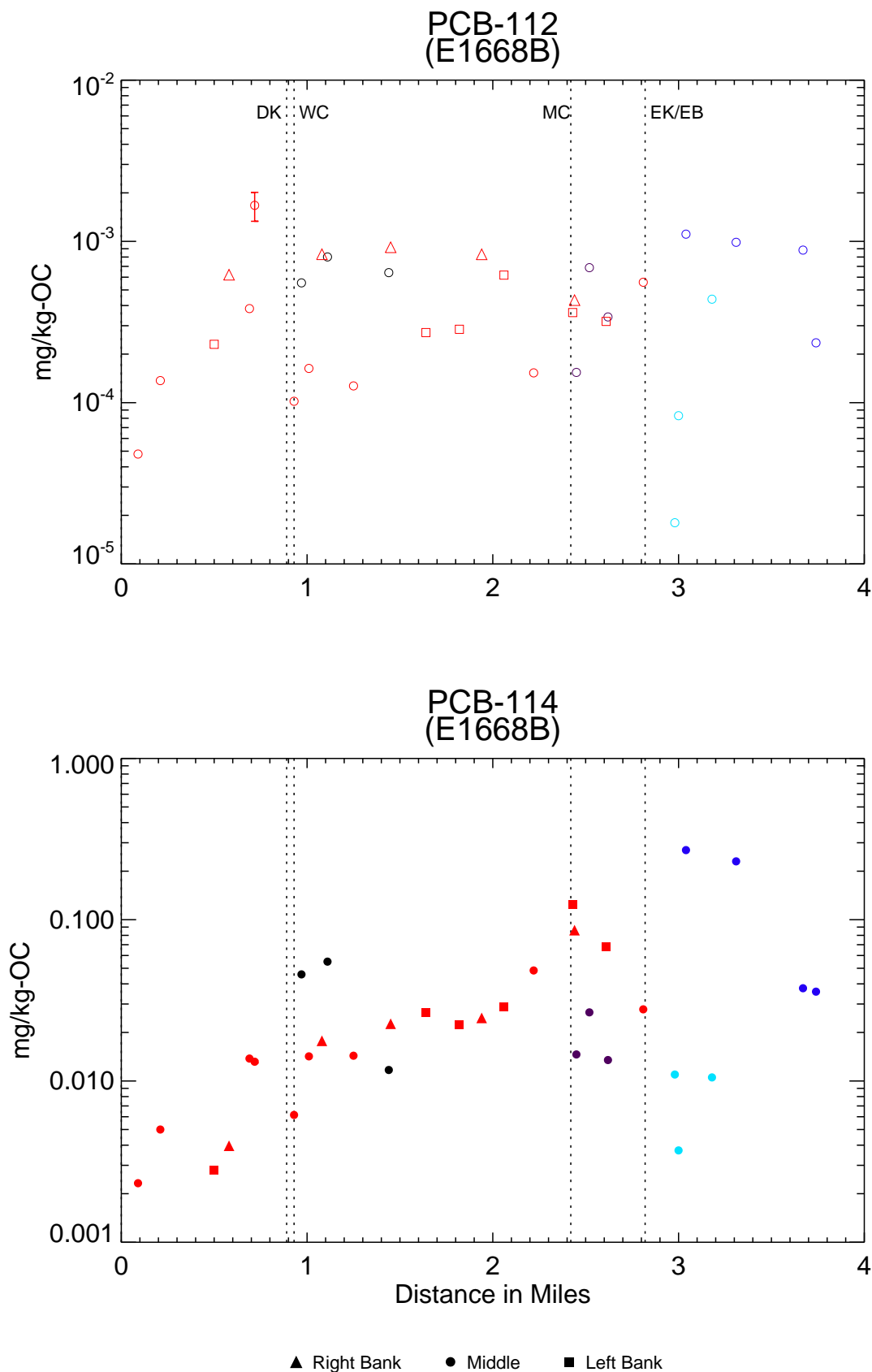
**Figure A4-525**

Surface Sediment Chemical Data (OC Normal) - 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.*

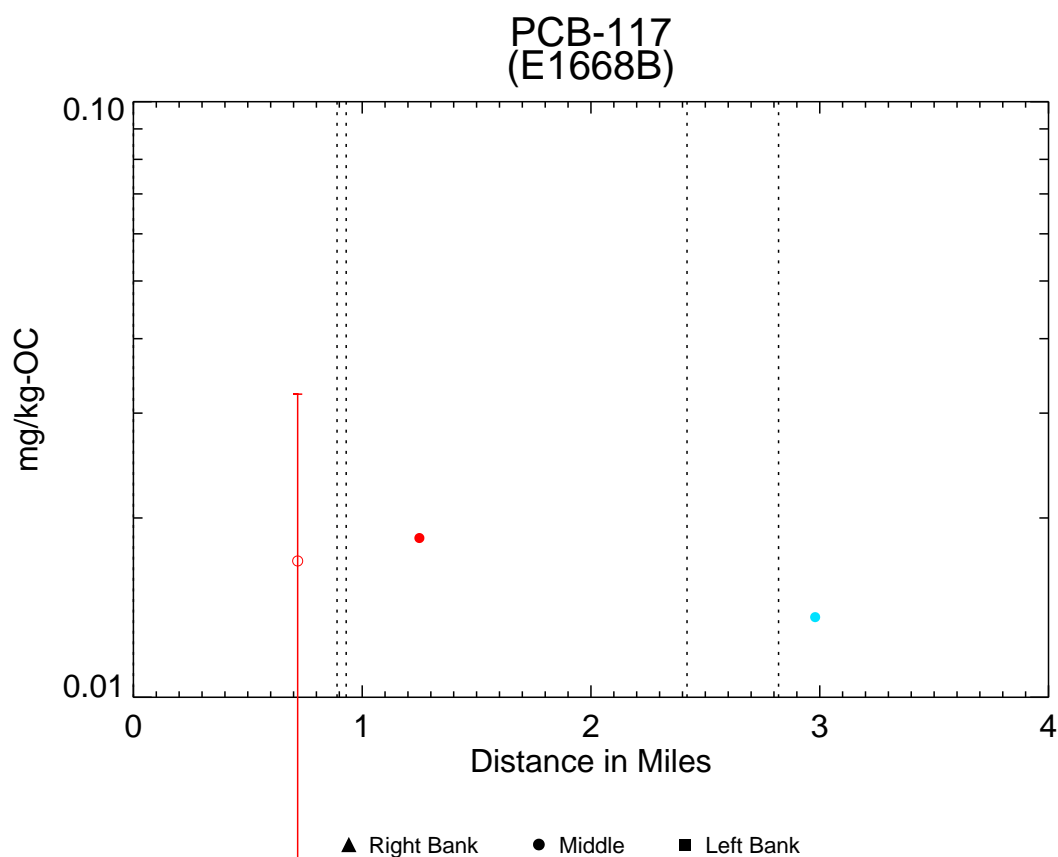
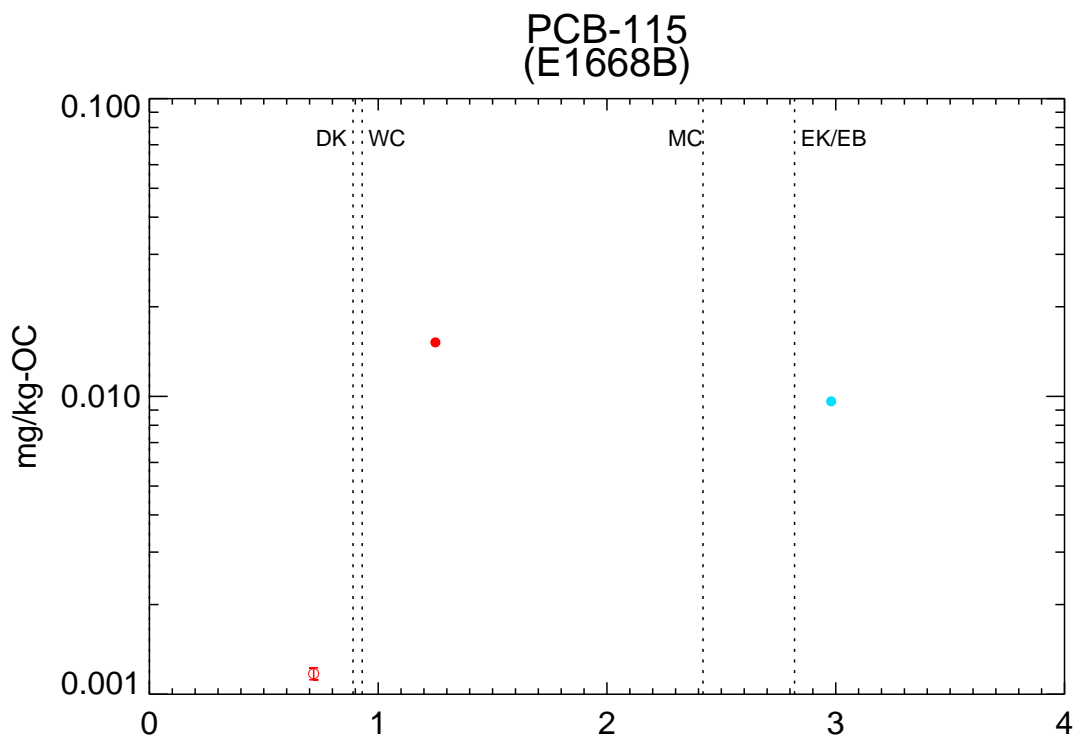
**Figure A4-526**

Surface Sediment Chemical Data (OC Normal) - 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 A4-527**

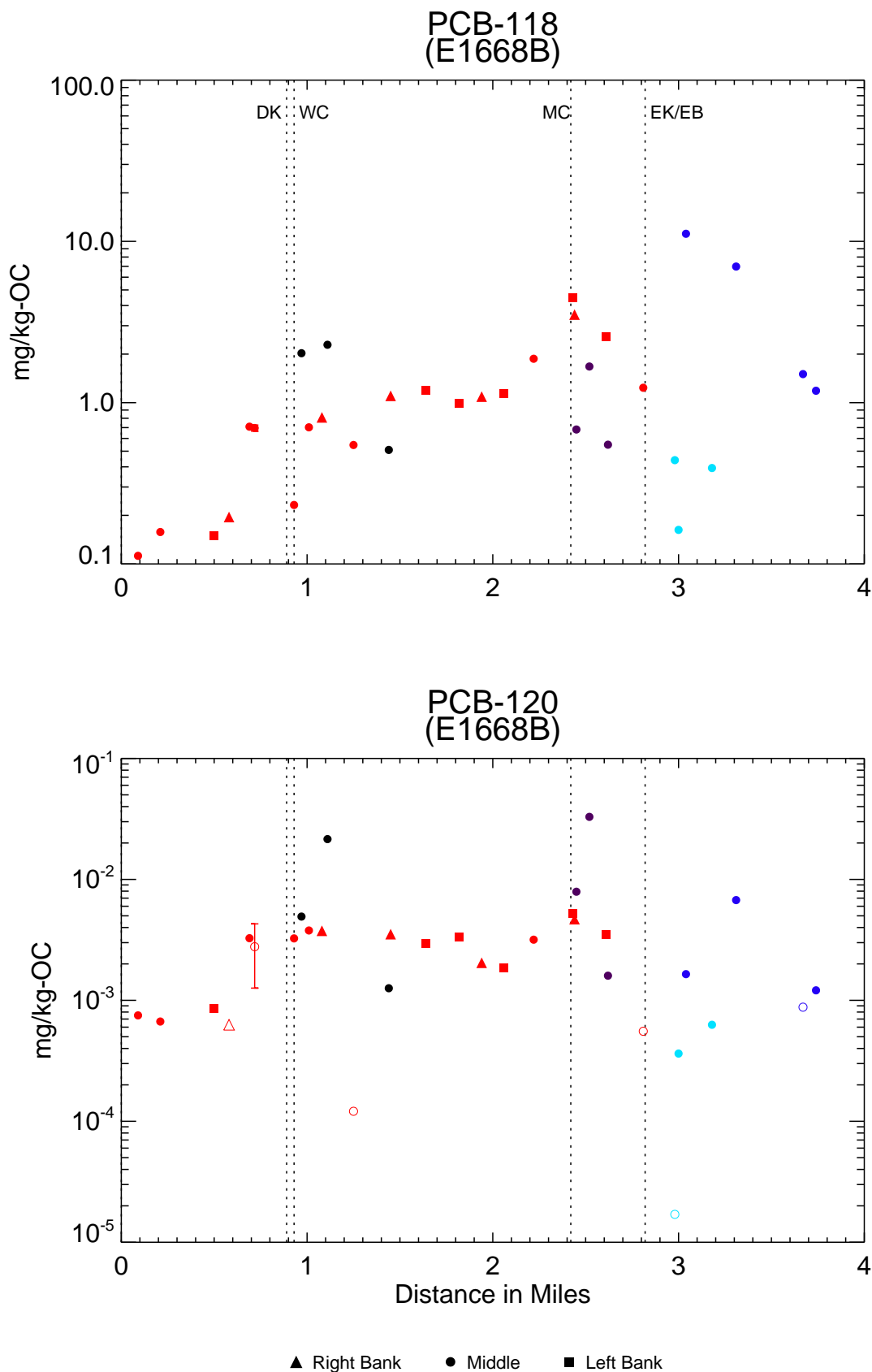
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
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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.*





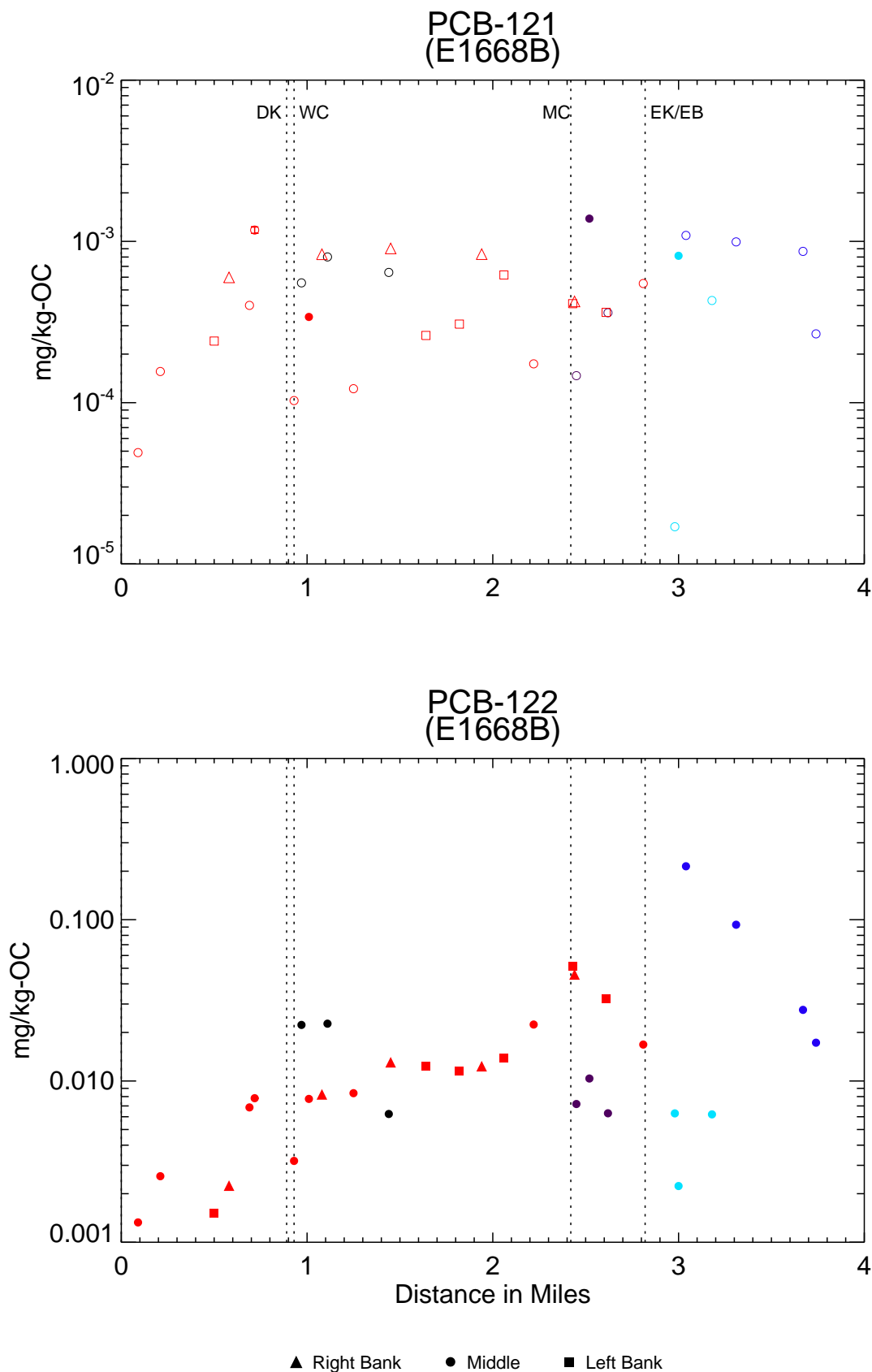
**Figure A4-528**

Surface Sediment Chemical Data (OC Normal) - 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.*

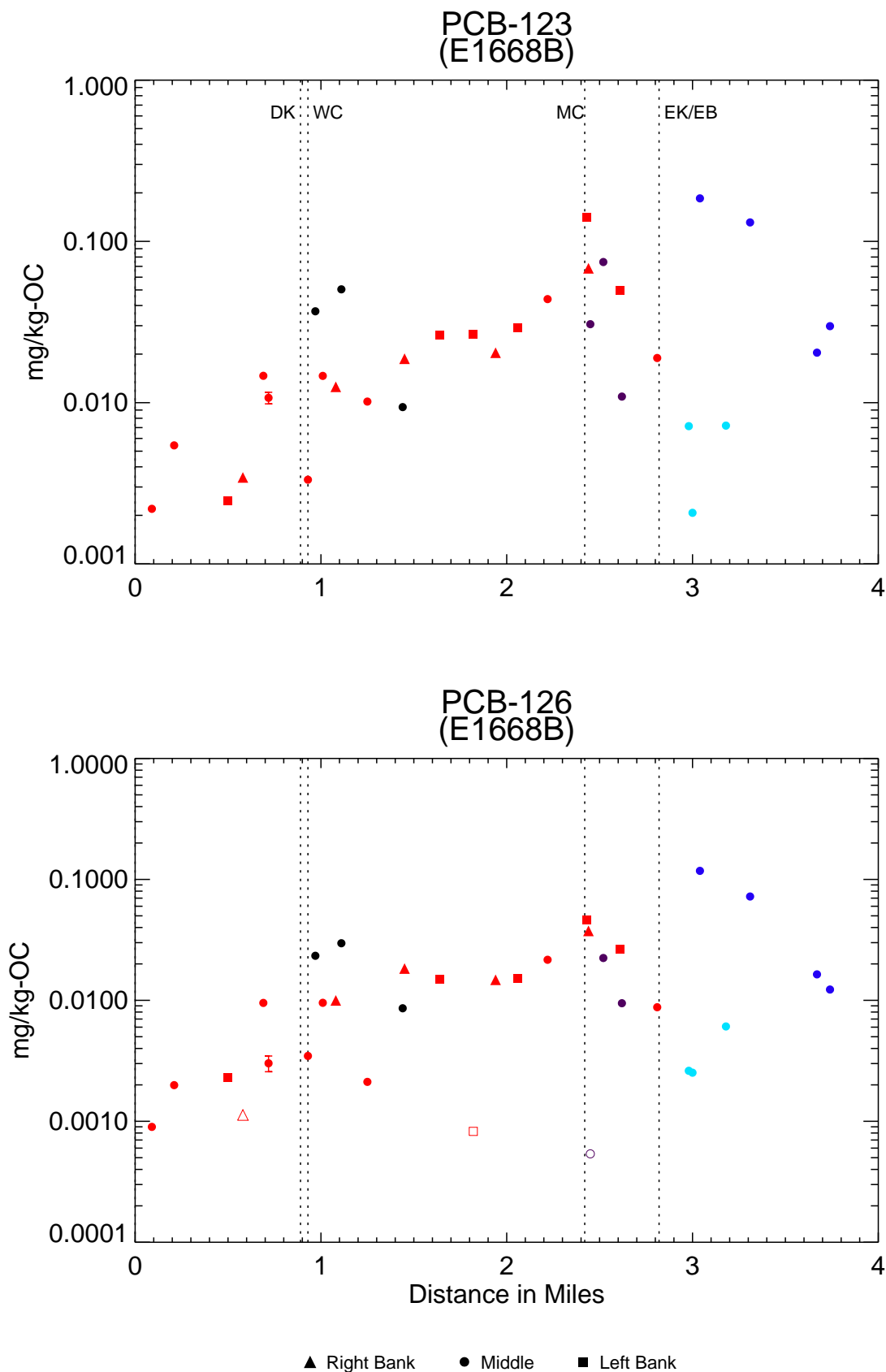
**Figure A4-529**

Surface Sediment Chemical Data (OC Normal) - 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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*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.*

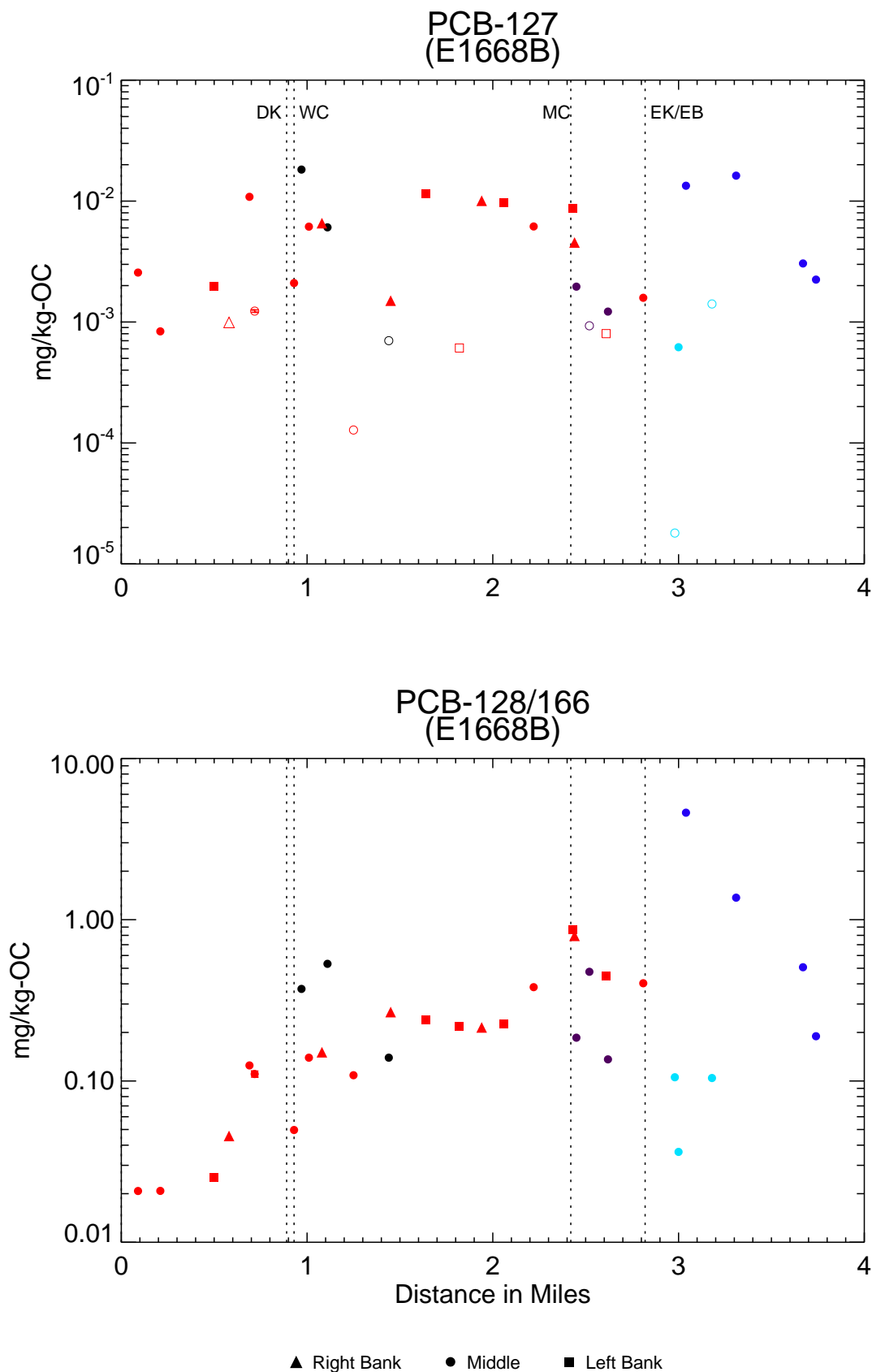
**Figure A4-530**

Surface Sediment Chemical Data (OC Normal) - 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)

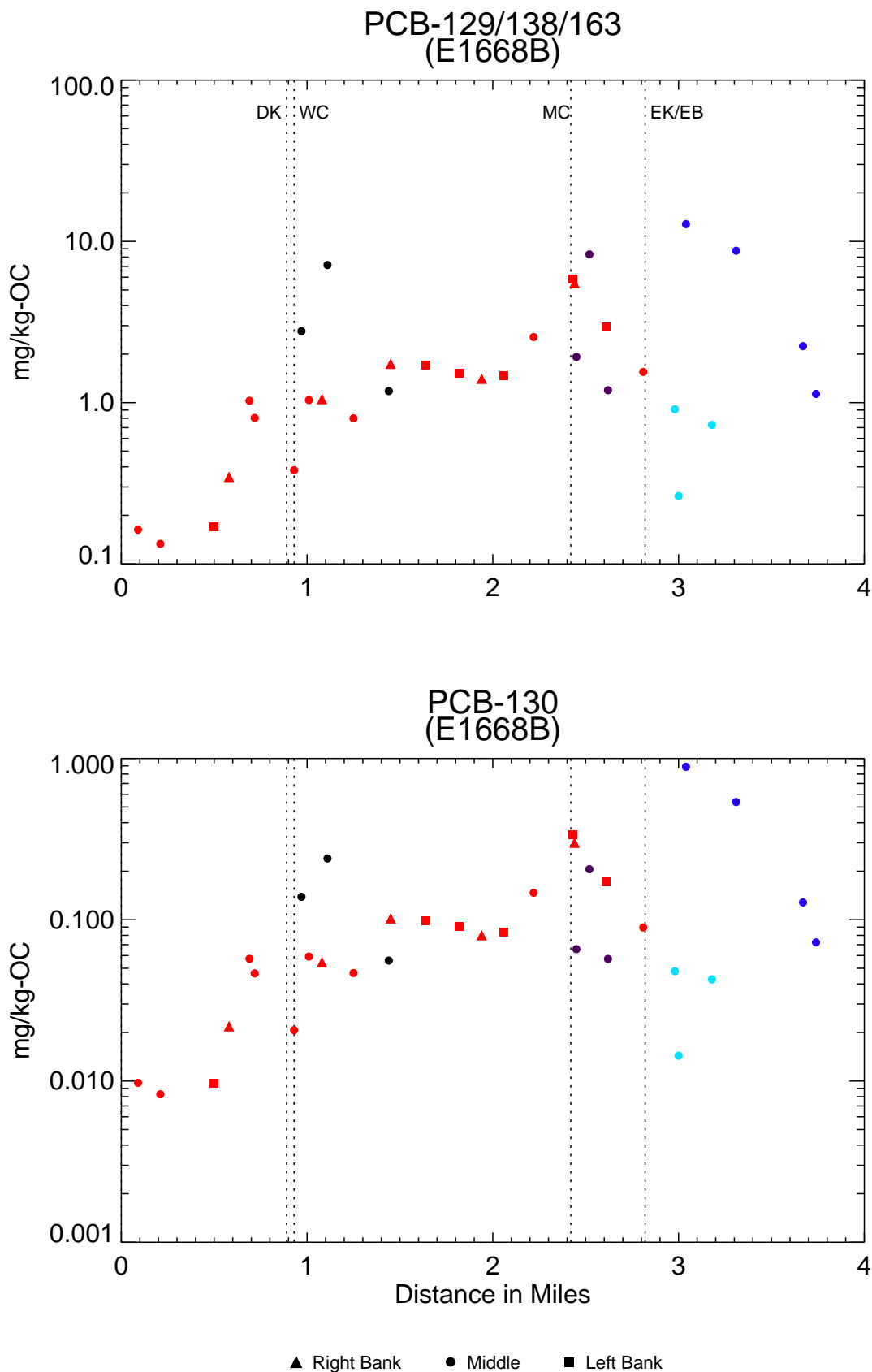
**Figure A4-531**

Surface Sediment Chemical Data (OC Normal) - 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.*

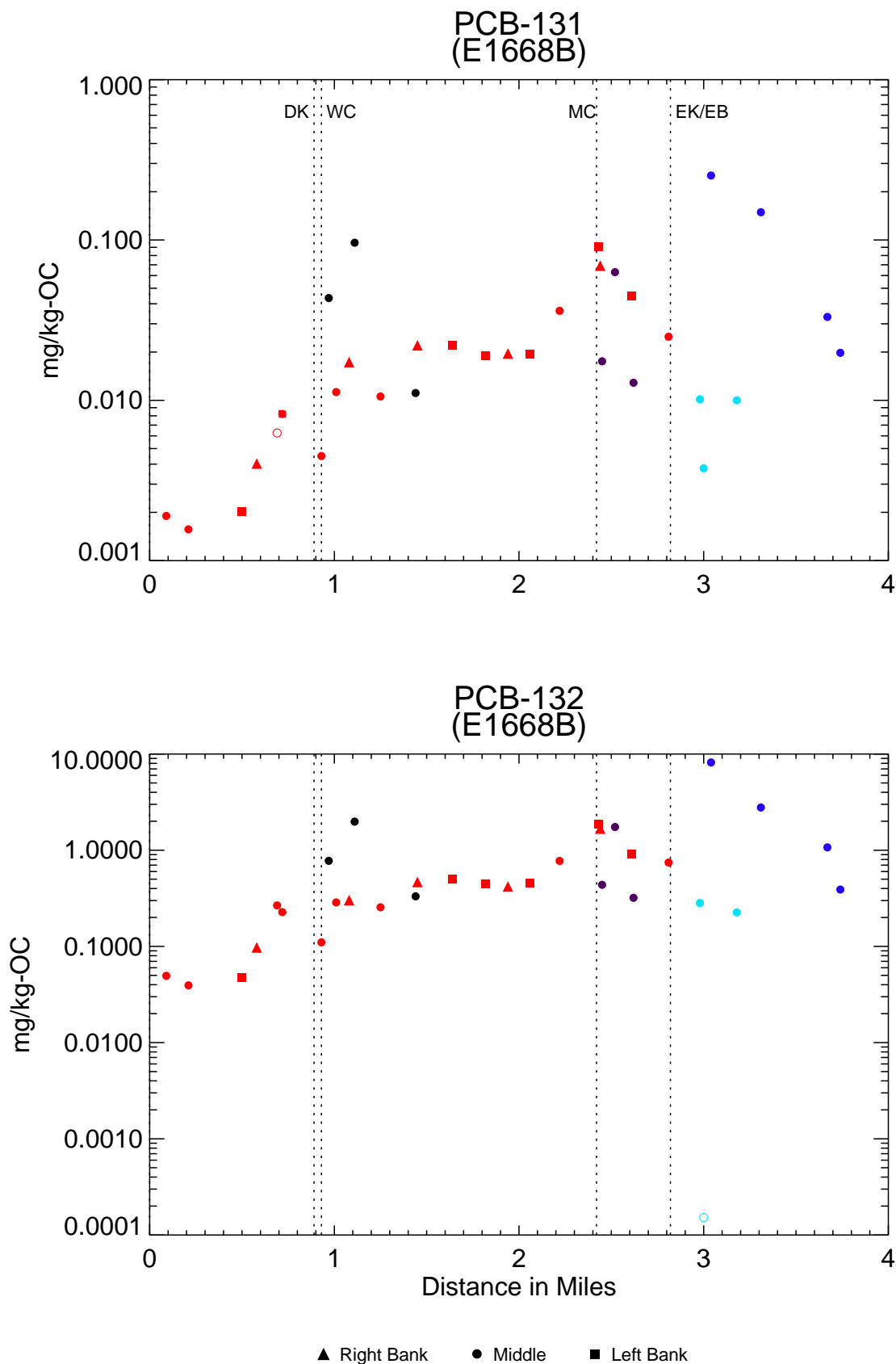
**Figure A4-532**

**Surface Sediment Chemical Data (OC Normal) - 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.*

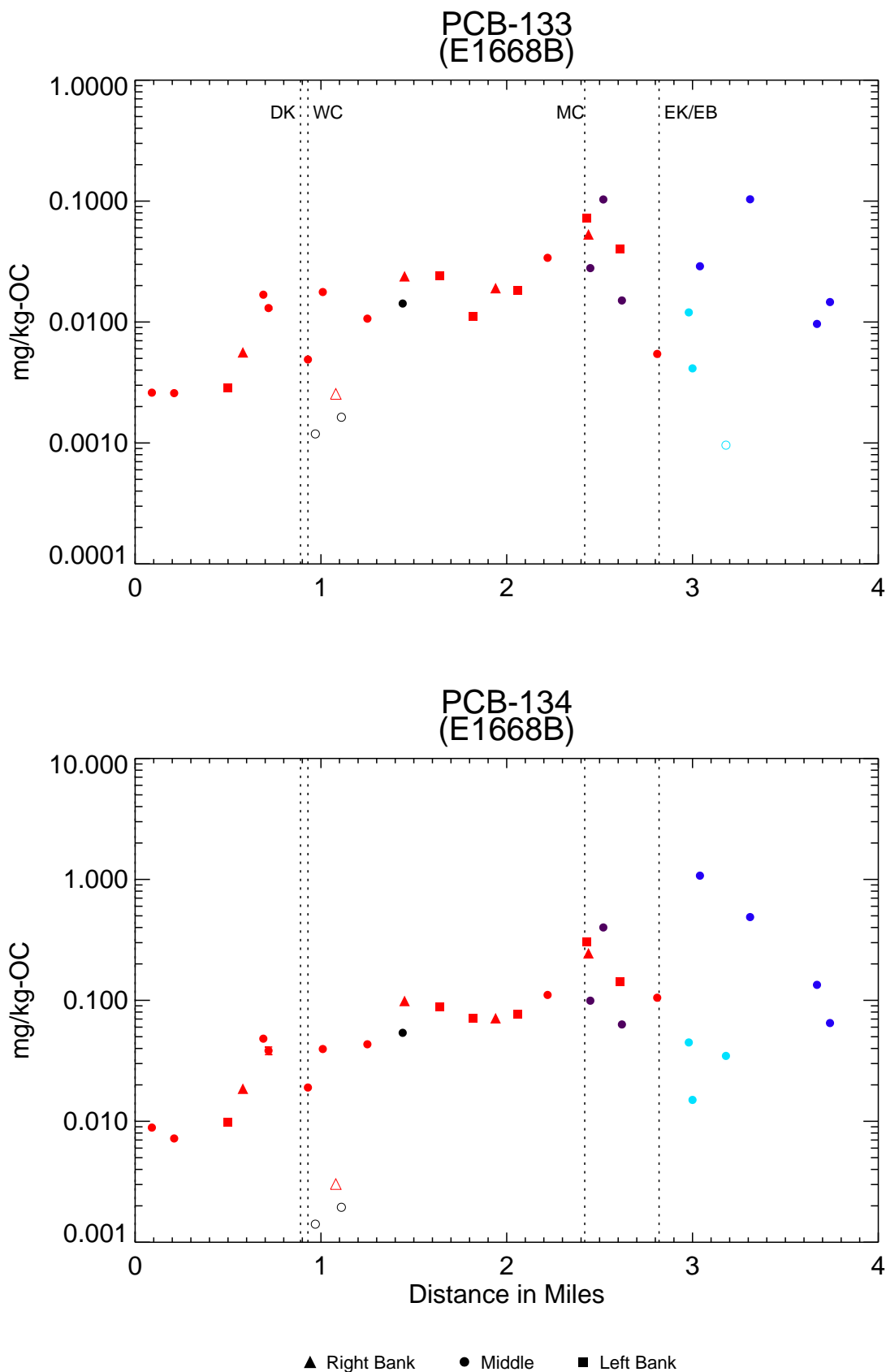
**Figure A4-533**

Surface Sediment Chemical Data (OC Normal) - 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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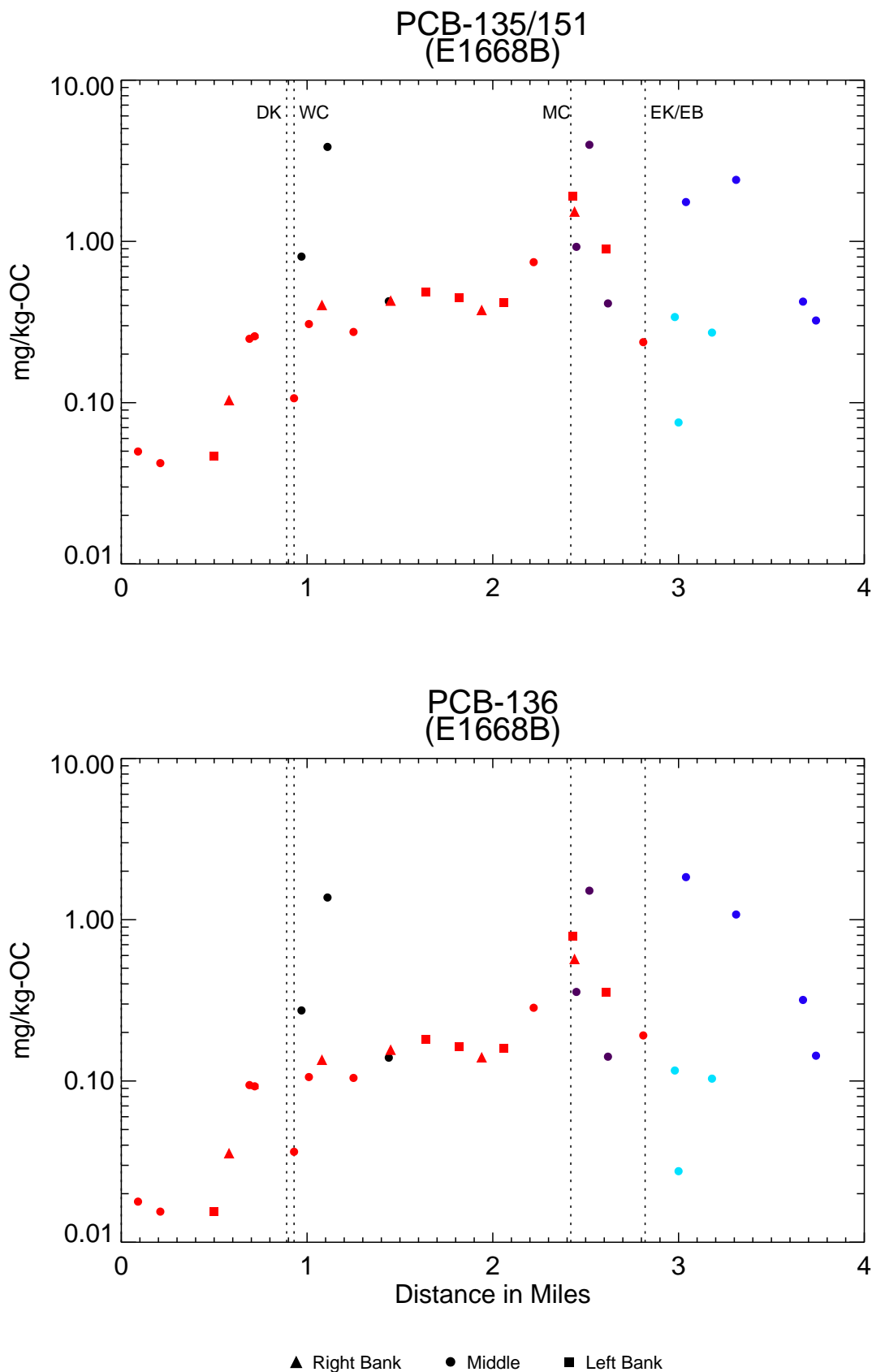
**Figure A4-534**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-535**

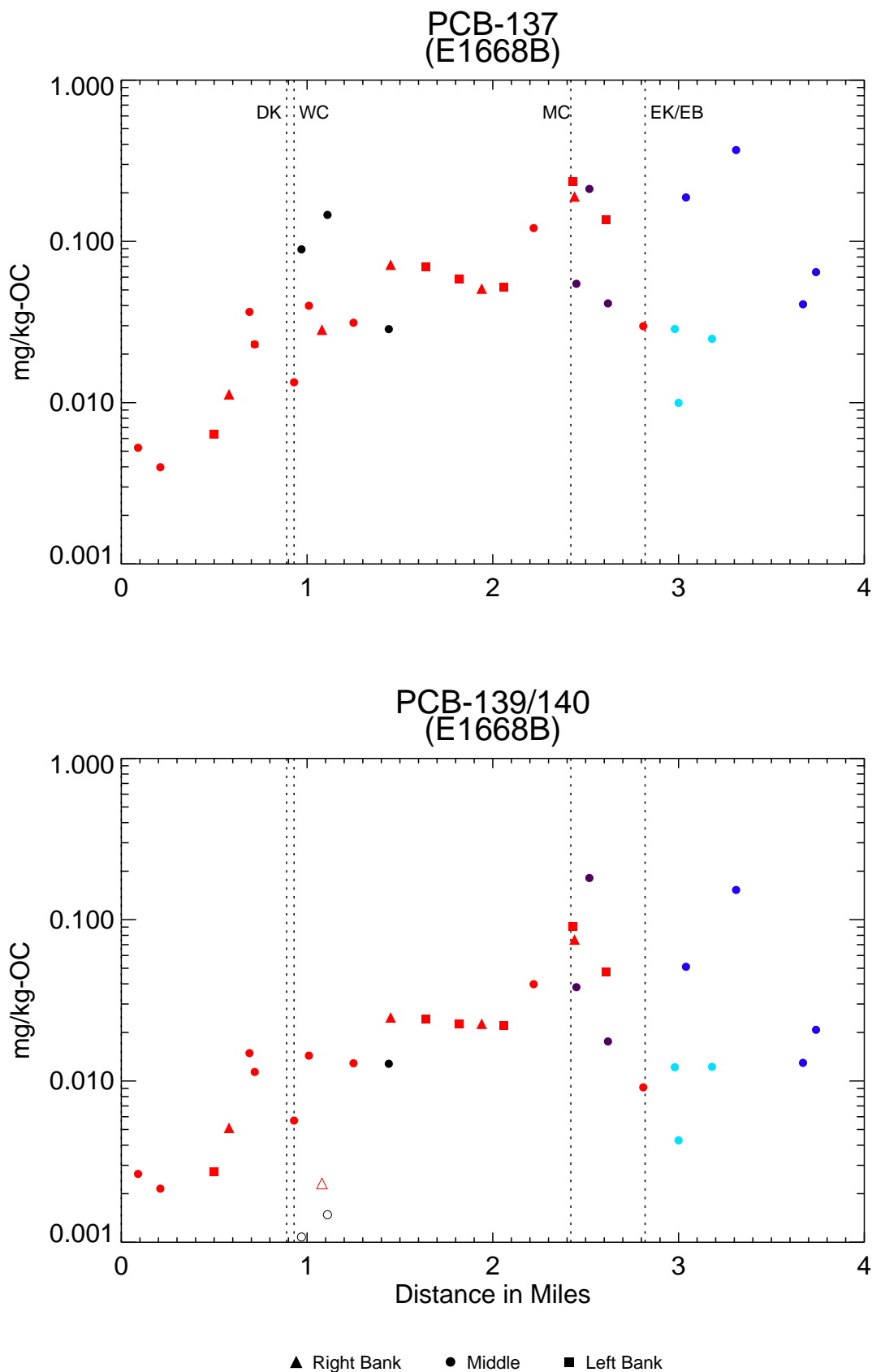
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- Newtown Creek
- Dutch Kills (0.89 mi)
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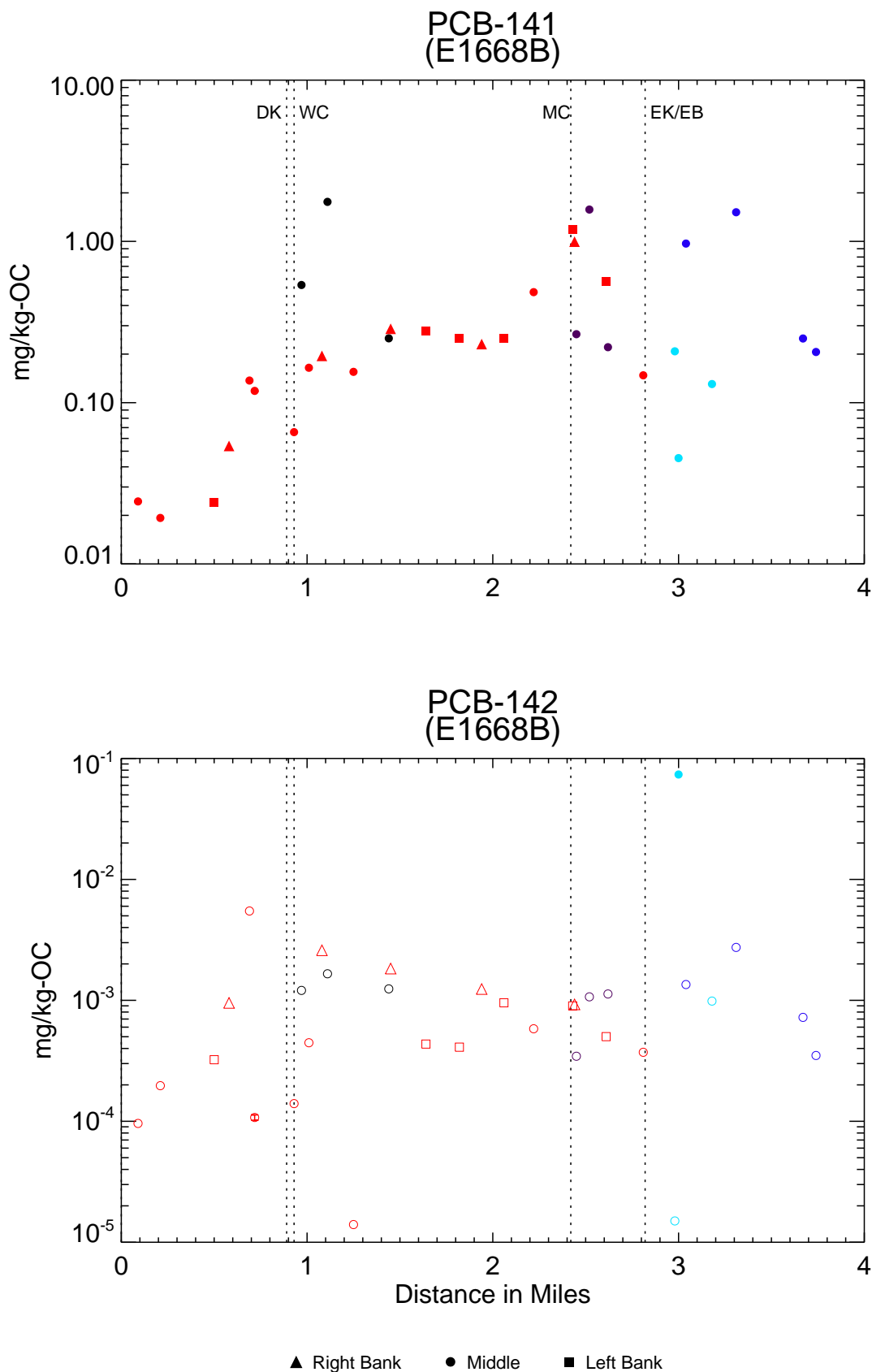
**Figure A4-536**

Surface Sediment Chemical Data (OC Normal) - 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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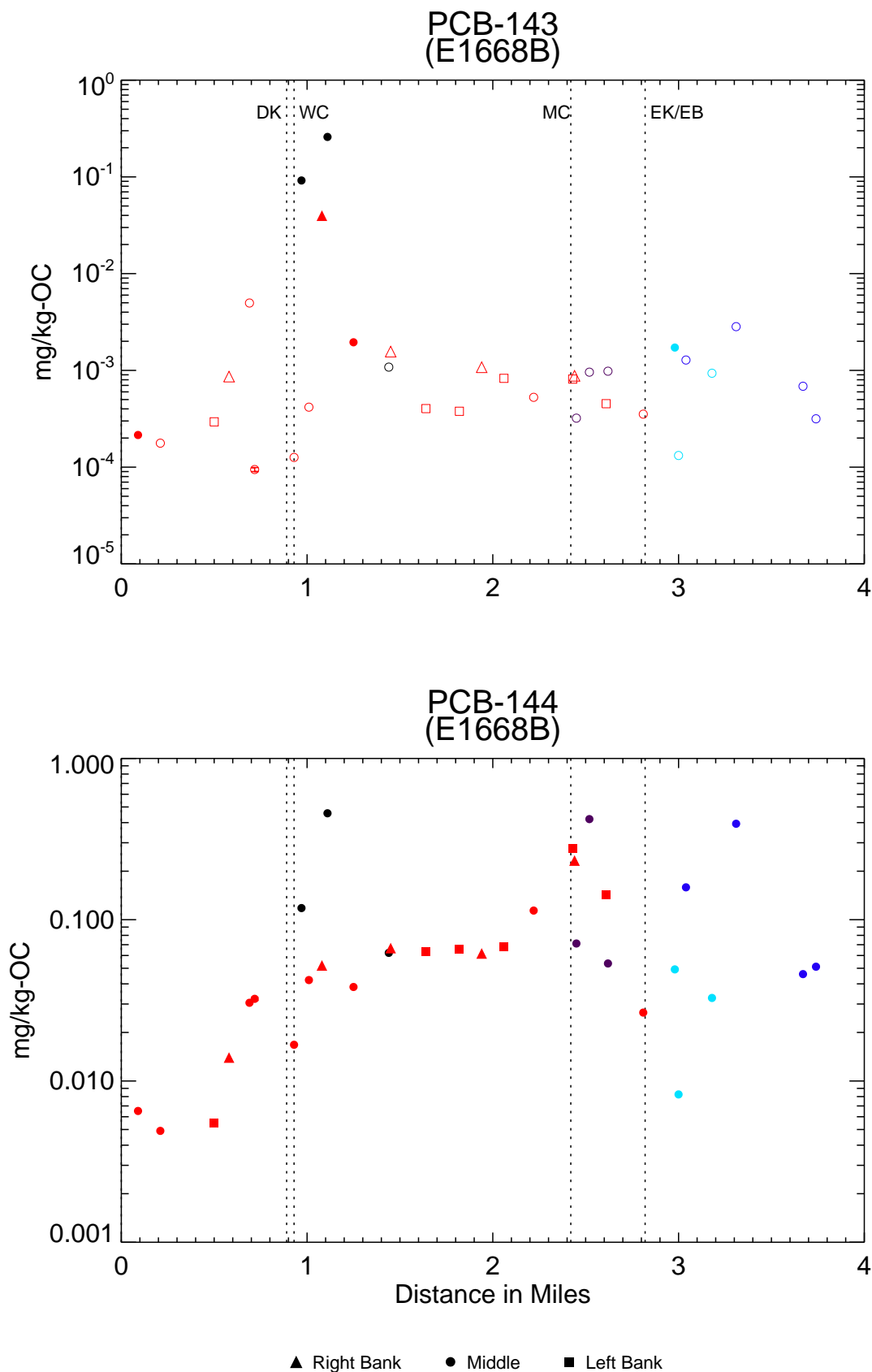
**Figure A4-537**

**Surface Sediment Chemical Data (OC Normal) - 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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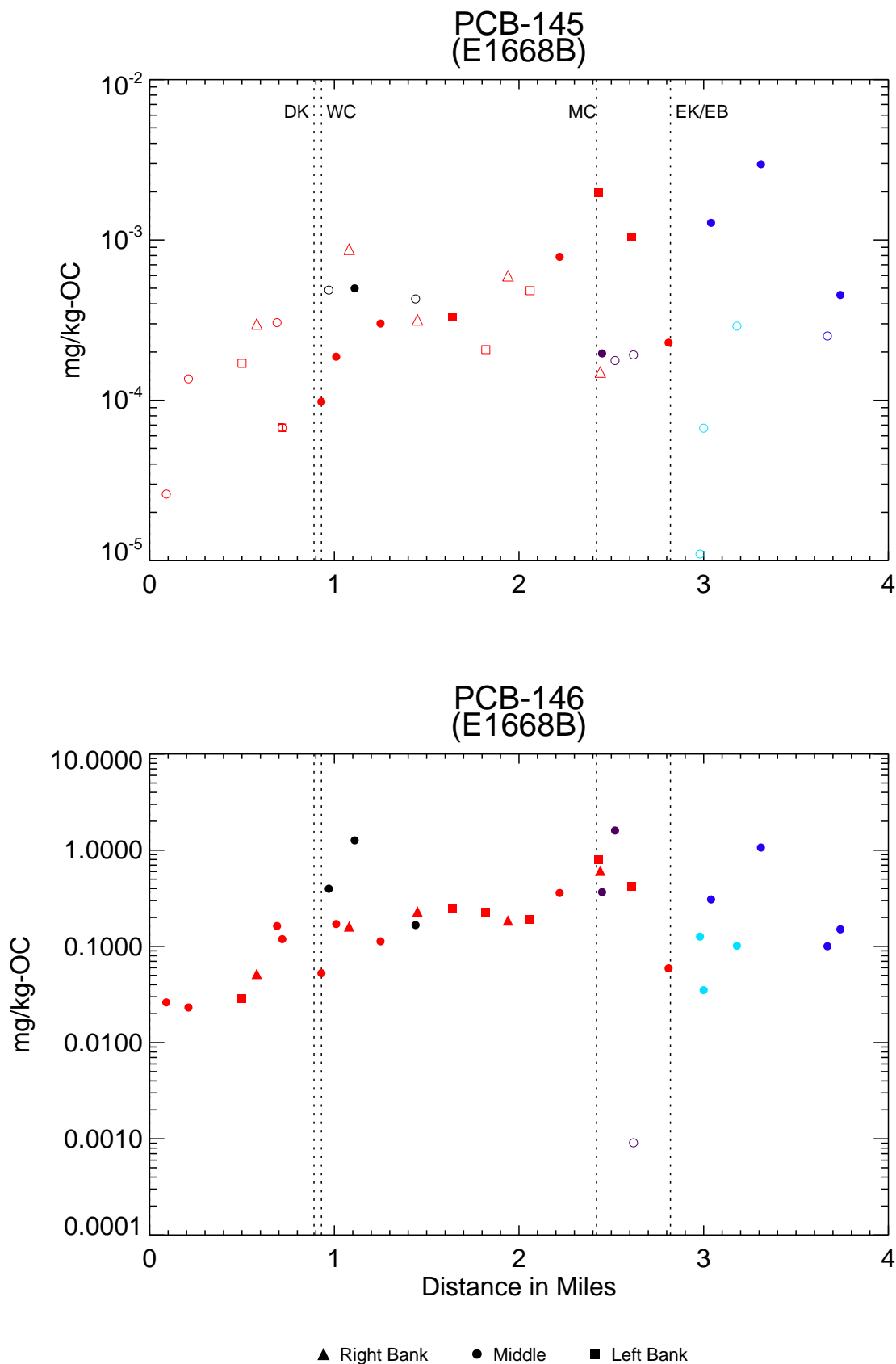
**Figure A4-538**

Surface Sediment Chemical Data (OC Normal) - 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.*

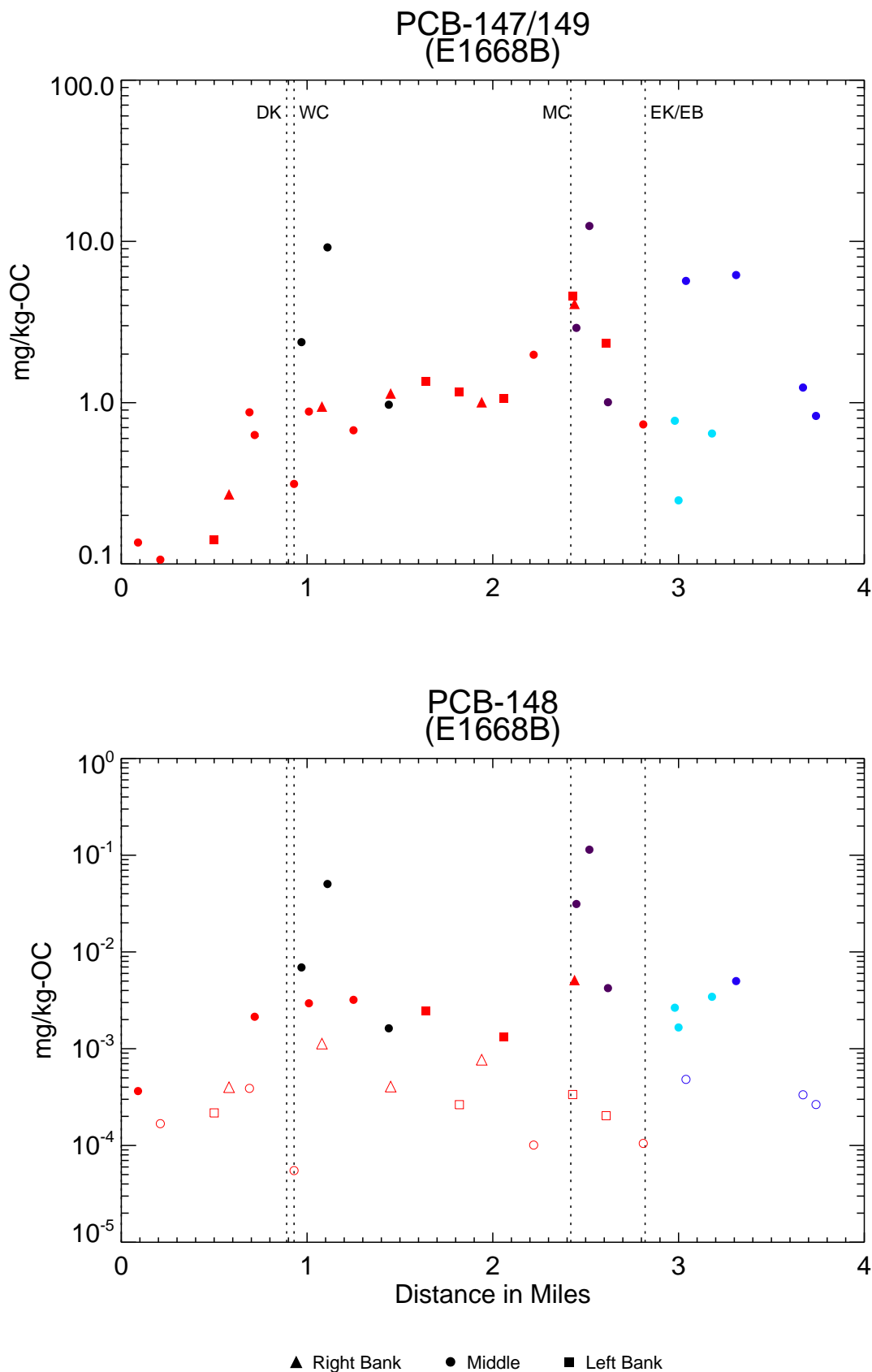
**Figure A4-539**

Surface Sediment Chemical Data (OC Normal) - 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)

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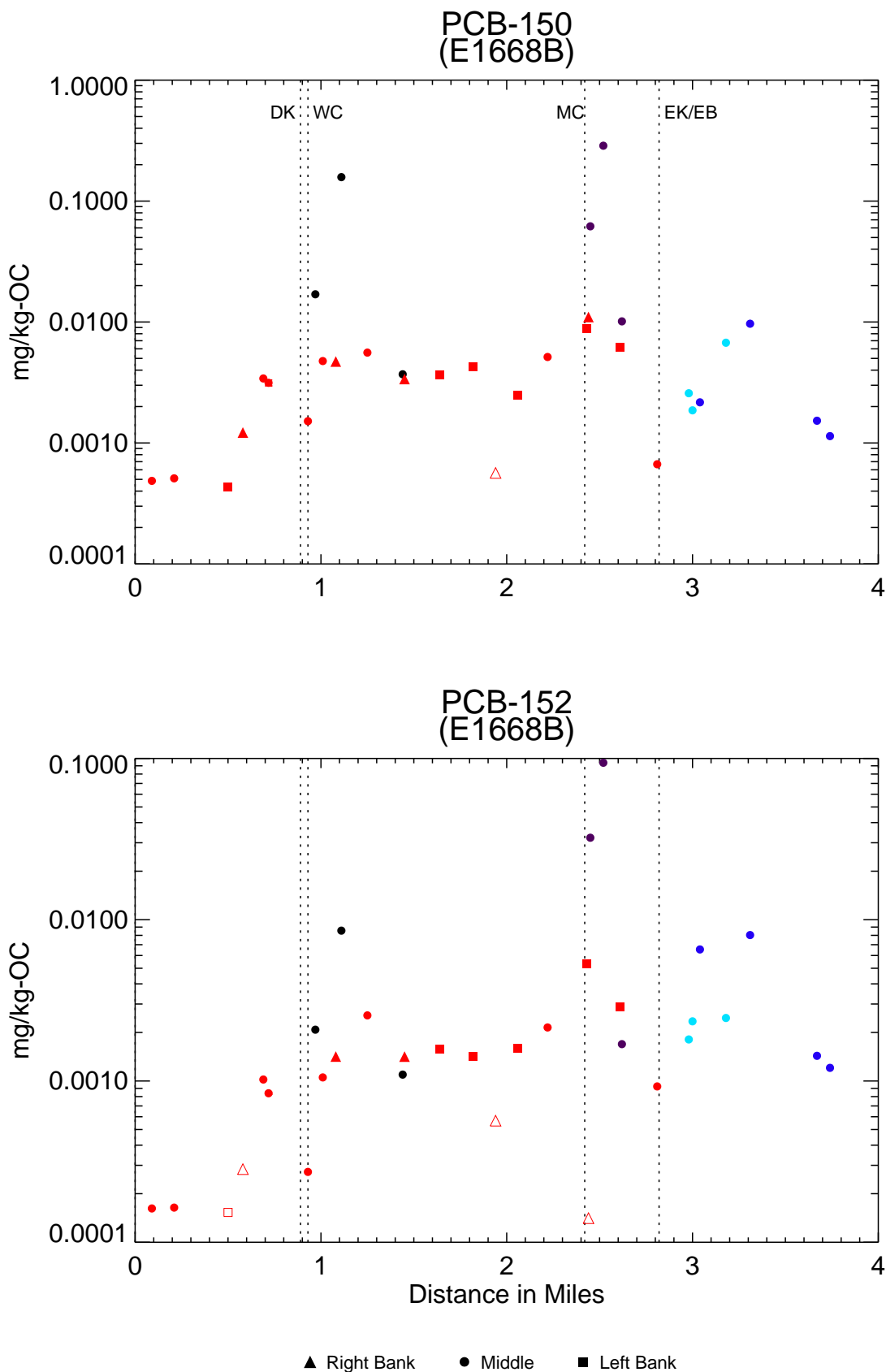
**Figure A4-540**

Surface Sediment Chemical Data (OC Normal) - 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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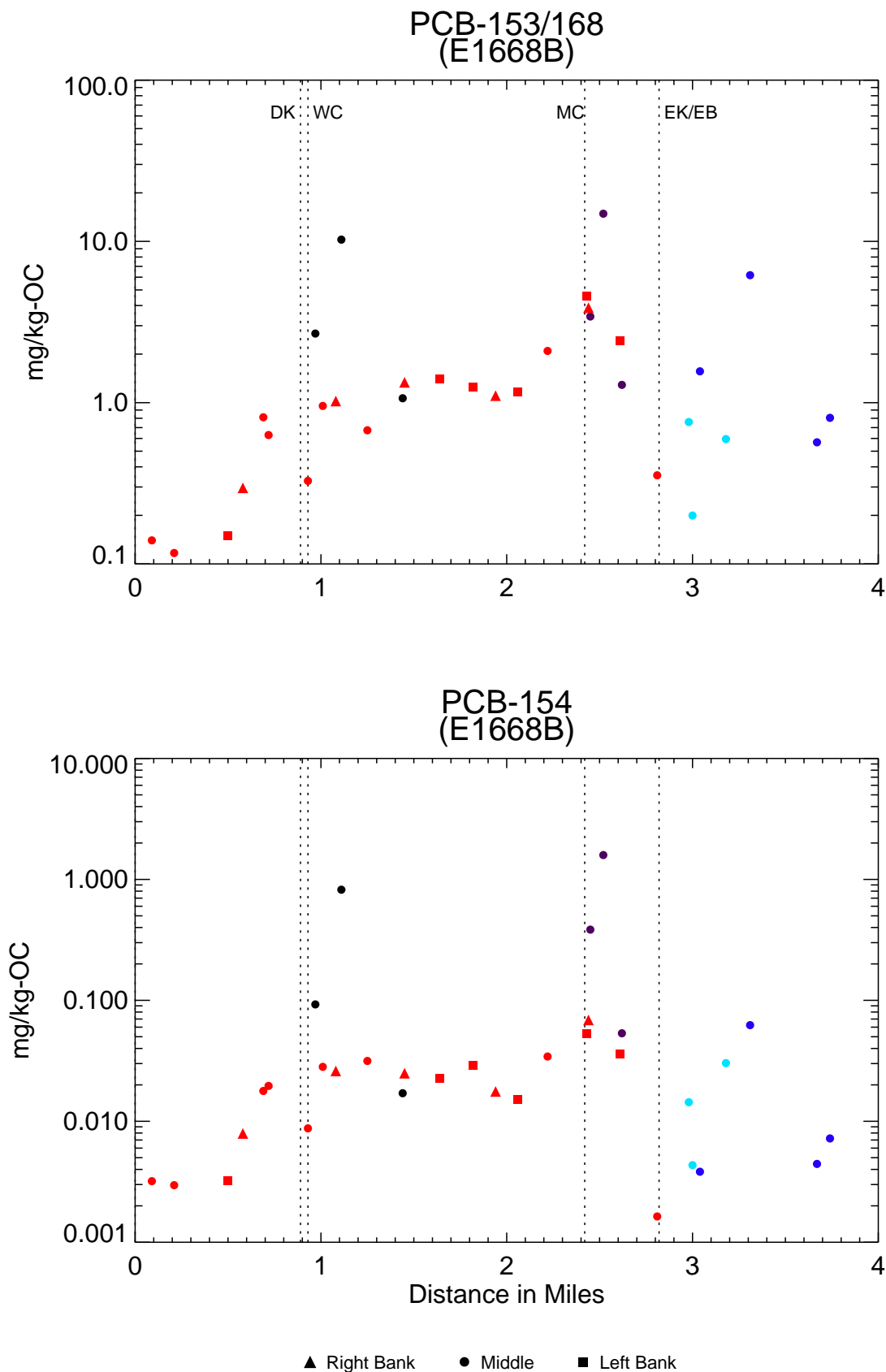
**Figure A4-541**

Surface Sediment Chemical Data (OC Normal) - 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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- 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.*

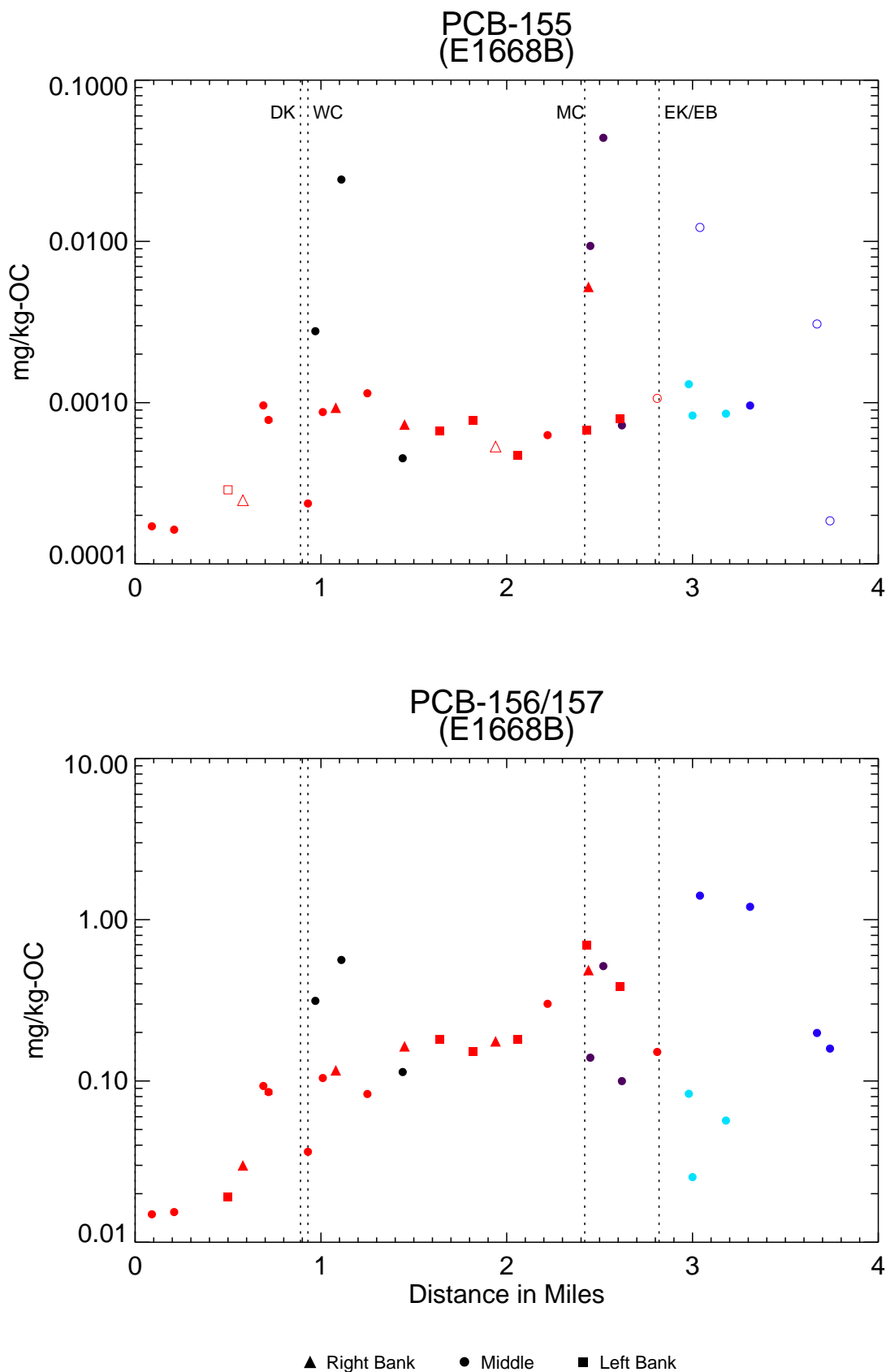
**Figure A4-542**

Surface Sediment Chemical Data (OC Normal) - 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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*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 A4-543**

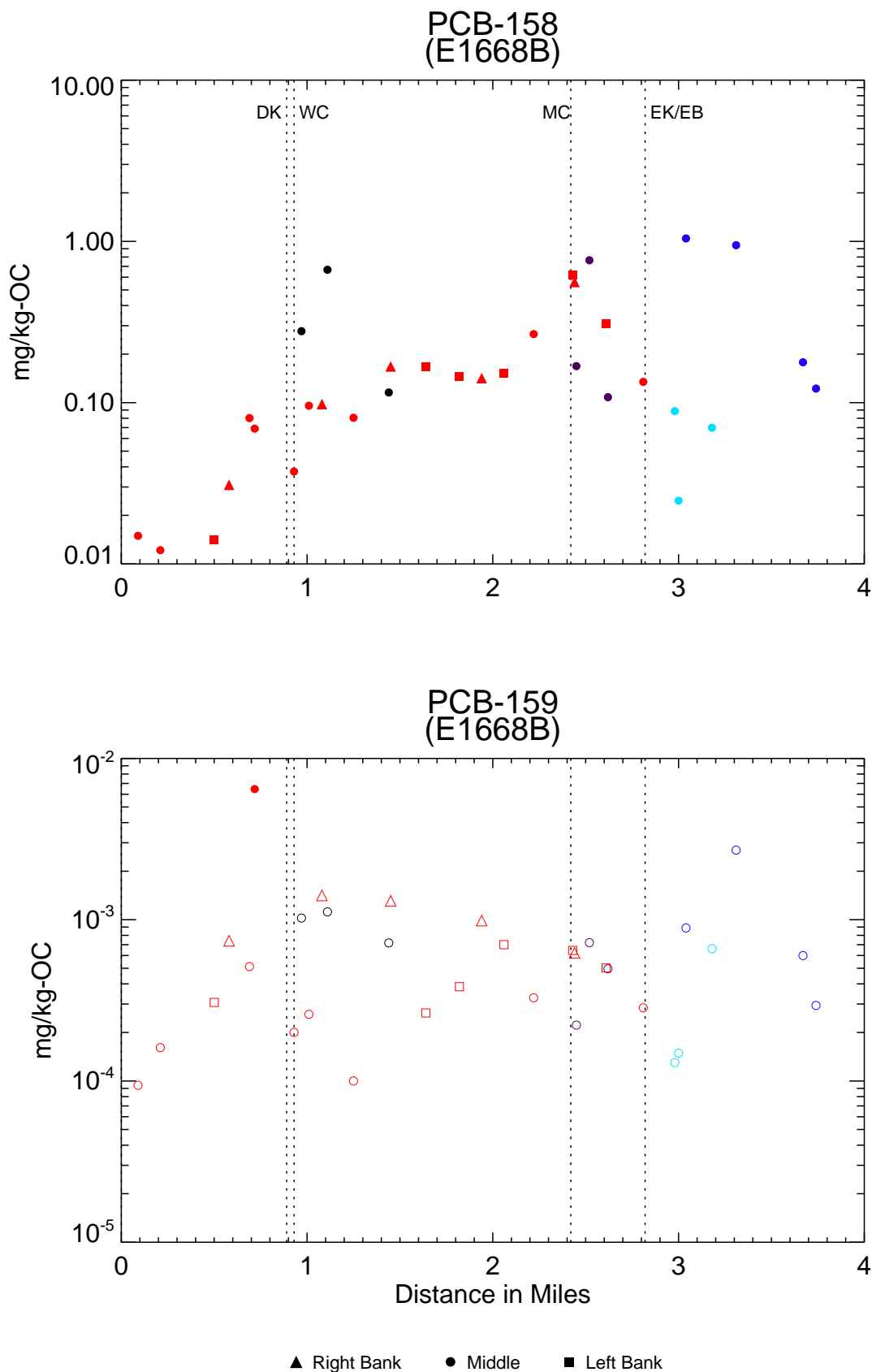
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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.*





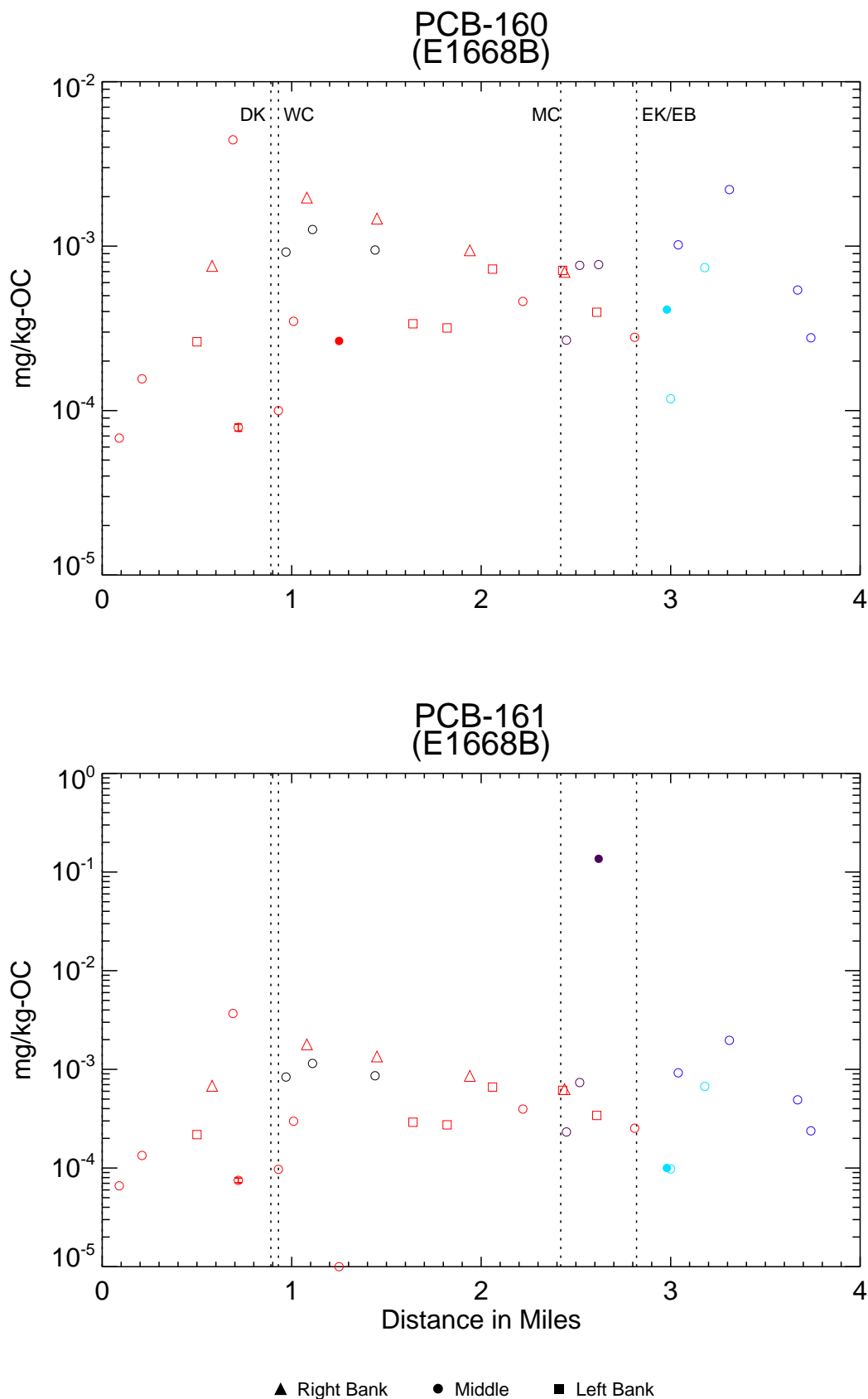
**Figure A4-544**

**Surface Sediment Chemical Data (OC Normal) - 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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*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.*

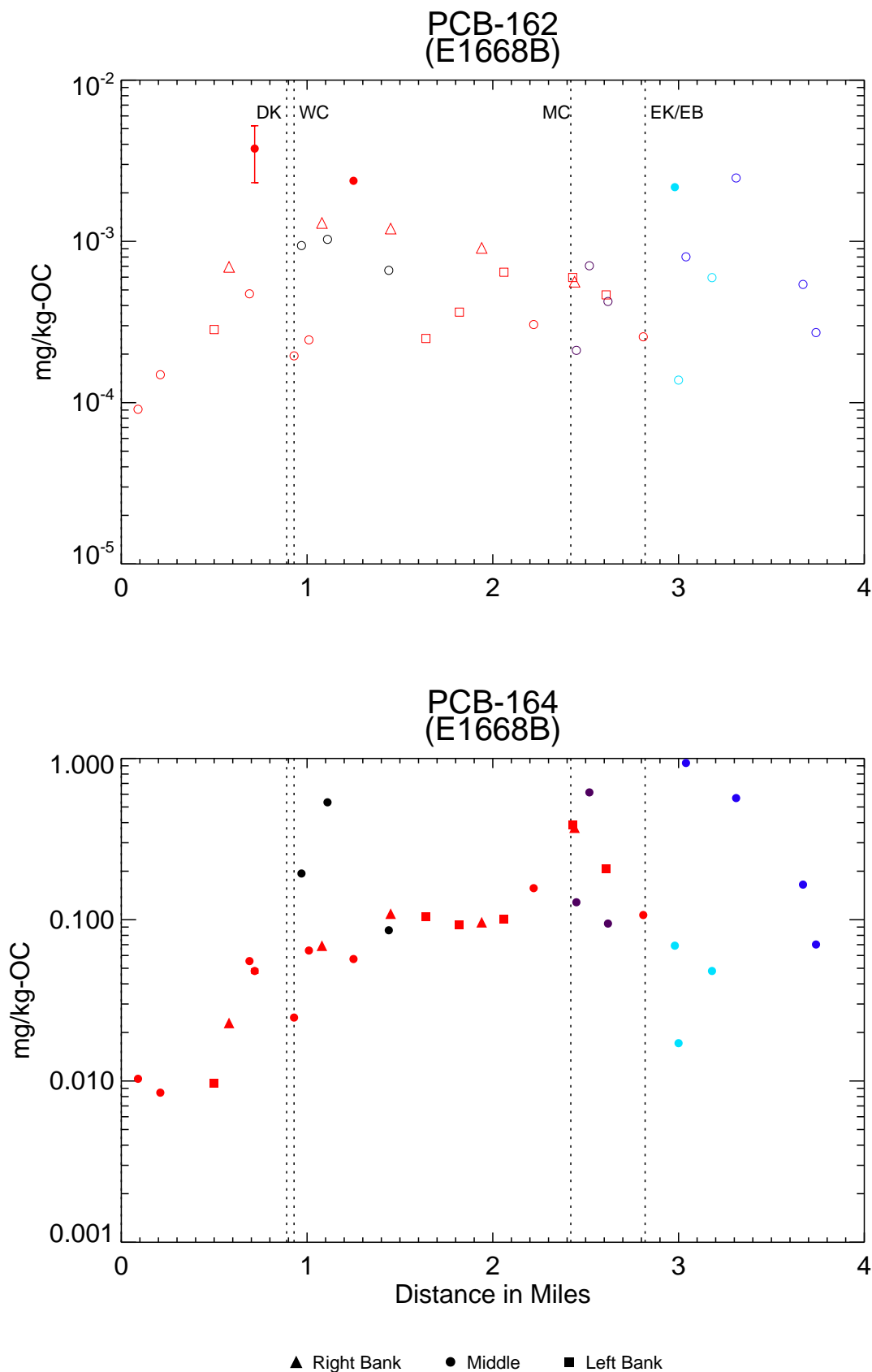
**Figure A4-545**

**Surface Sediment Chemical Data (OC Normal) - 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.*



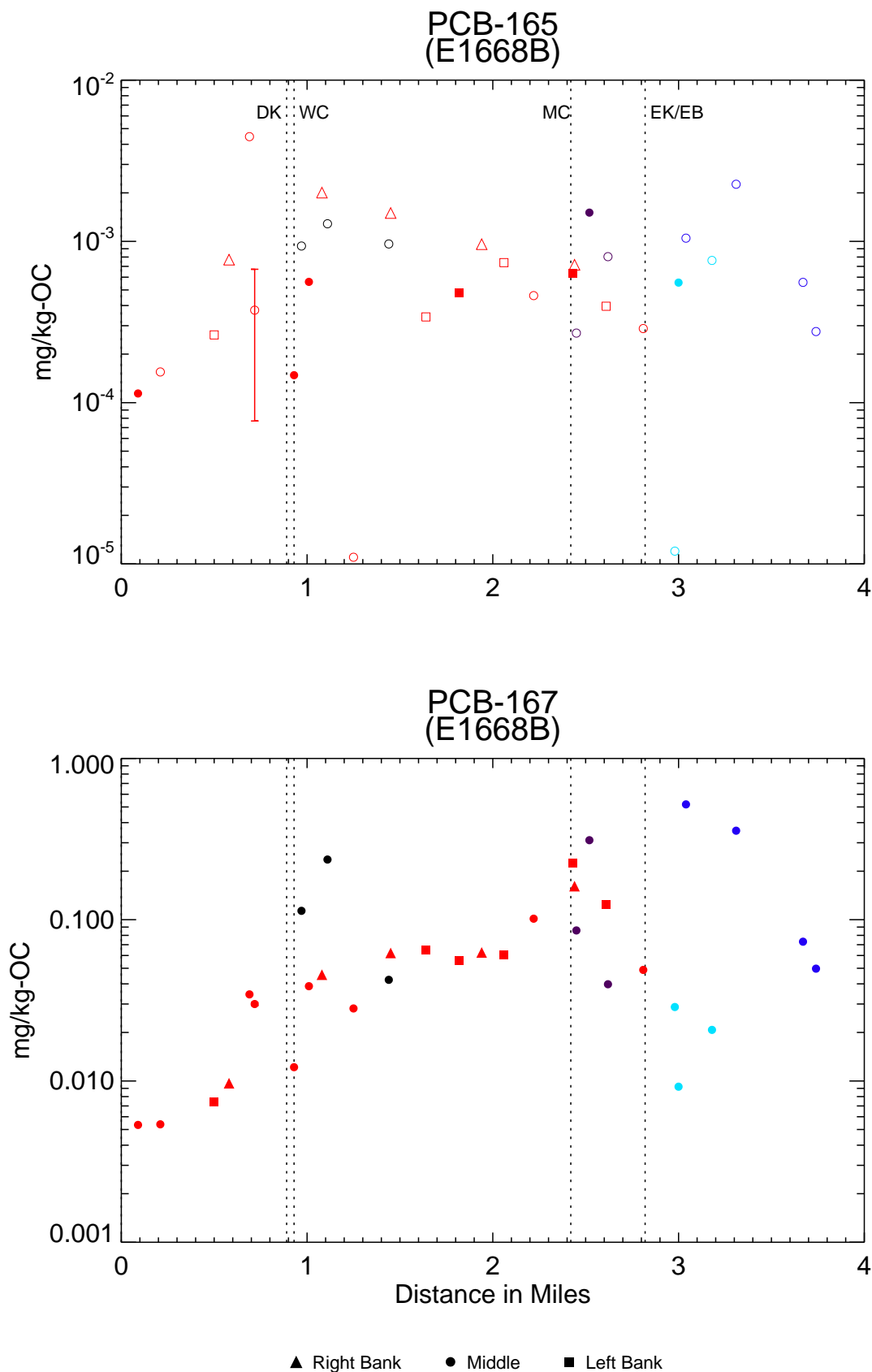
**Figure A4-546**

Surface Sediment Chemical Data (OC Normal) - 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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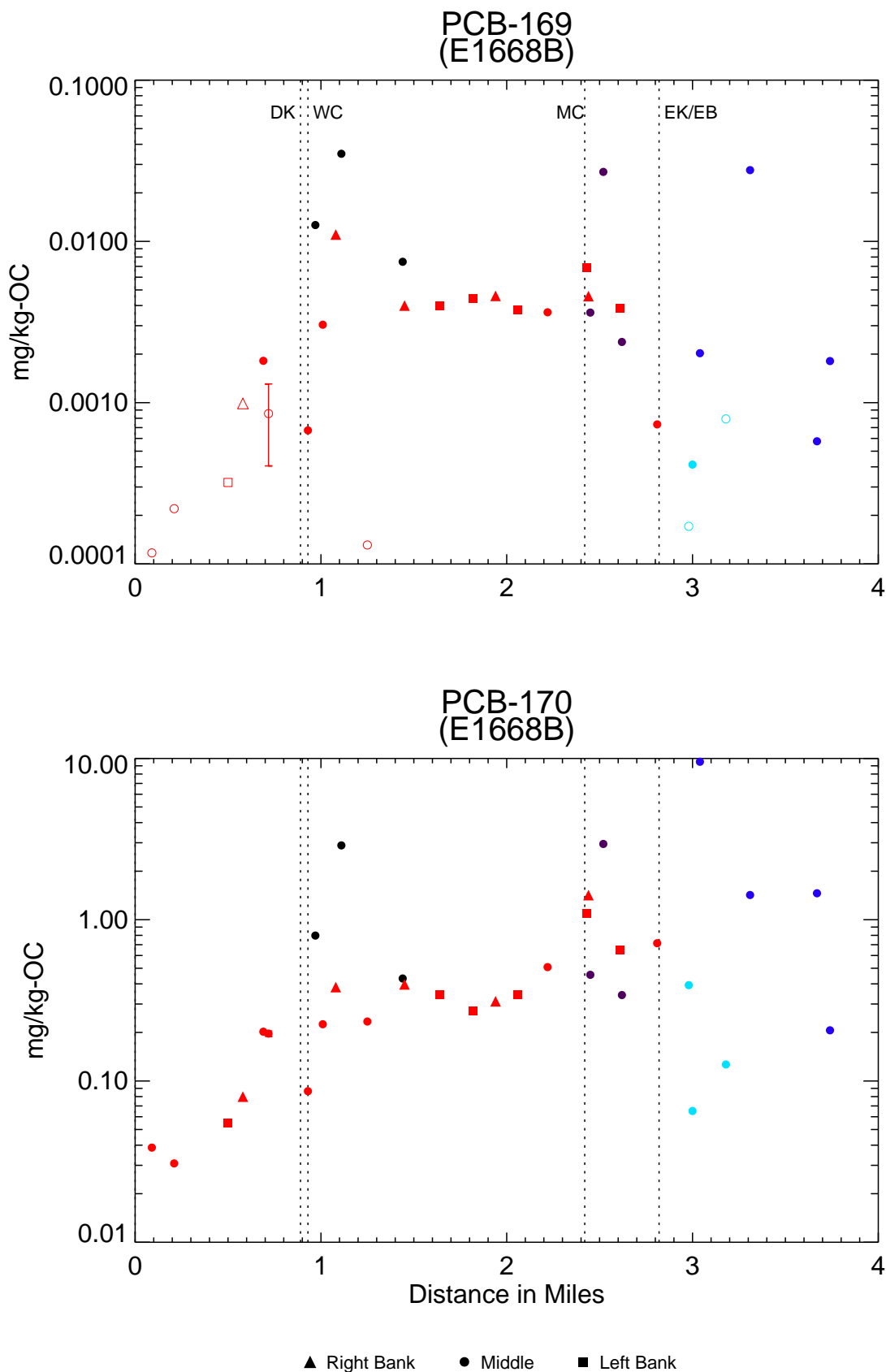
**Figure A4-547**

Surface Sediment Chemical Data (OC Normal) - 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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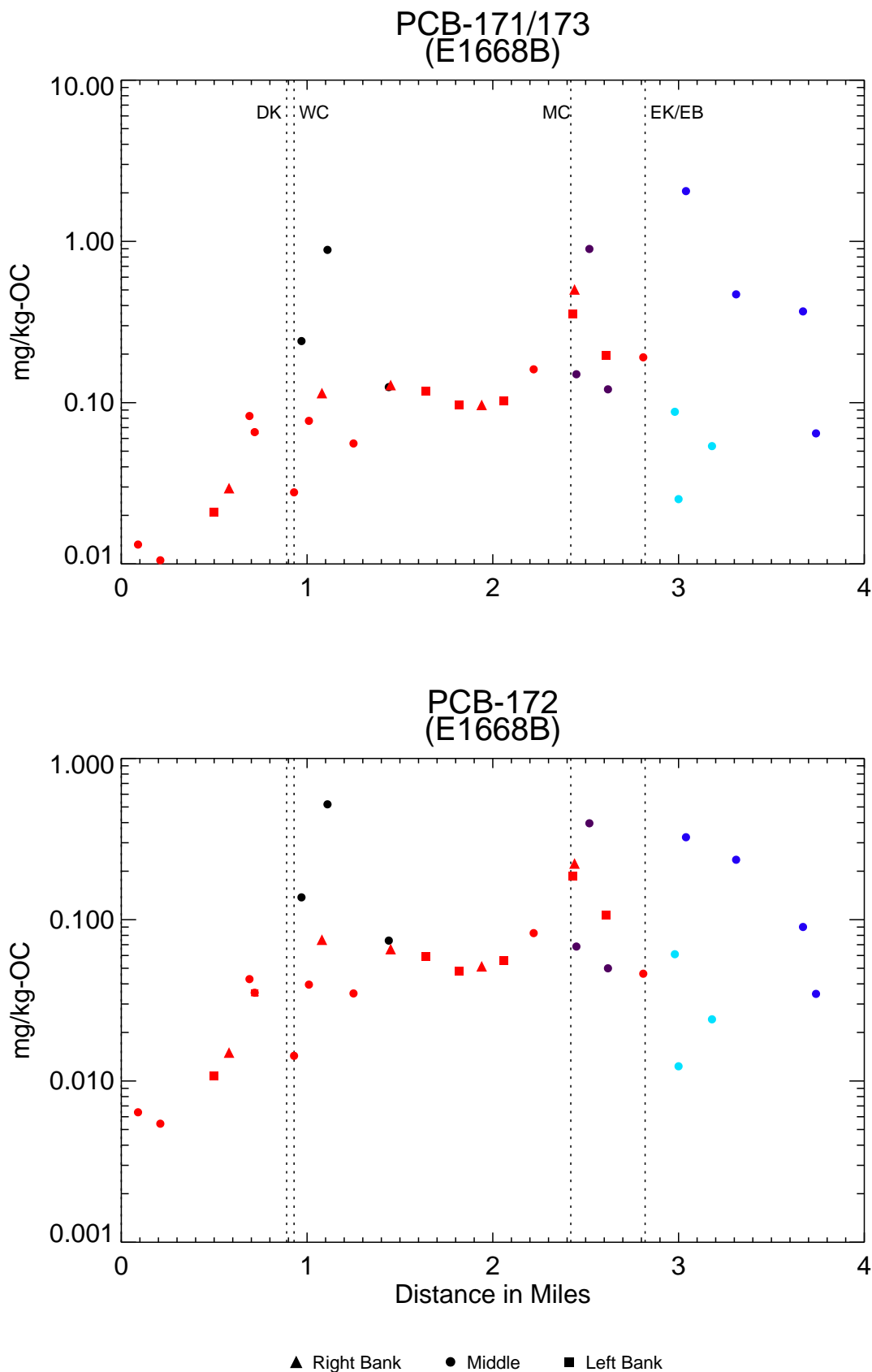
**Figure A4-548**

Surface Sediment Chemical Data (OC Normal) - 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.*



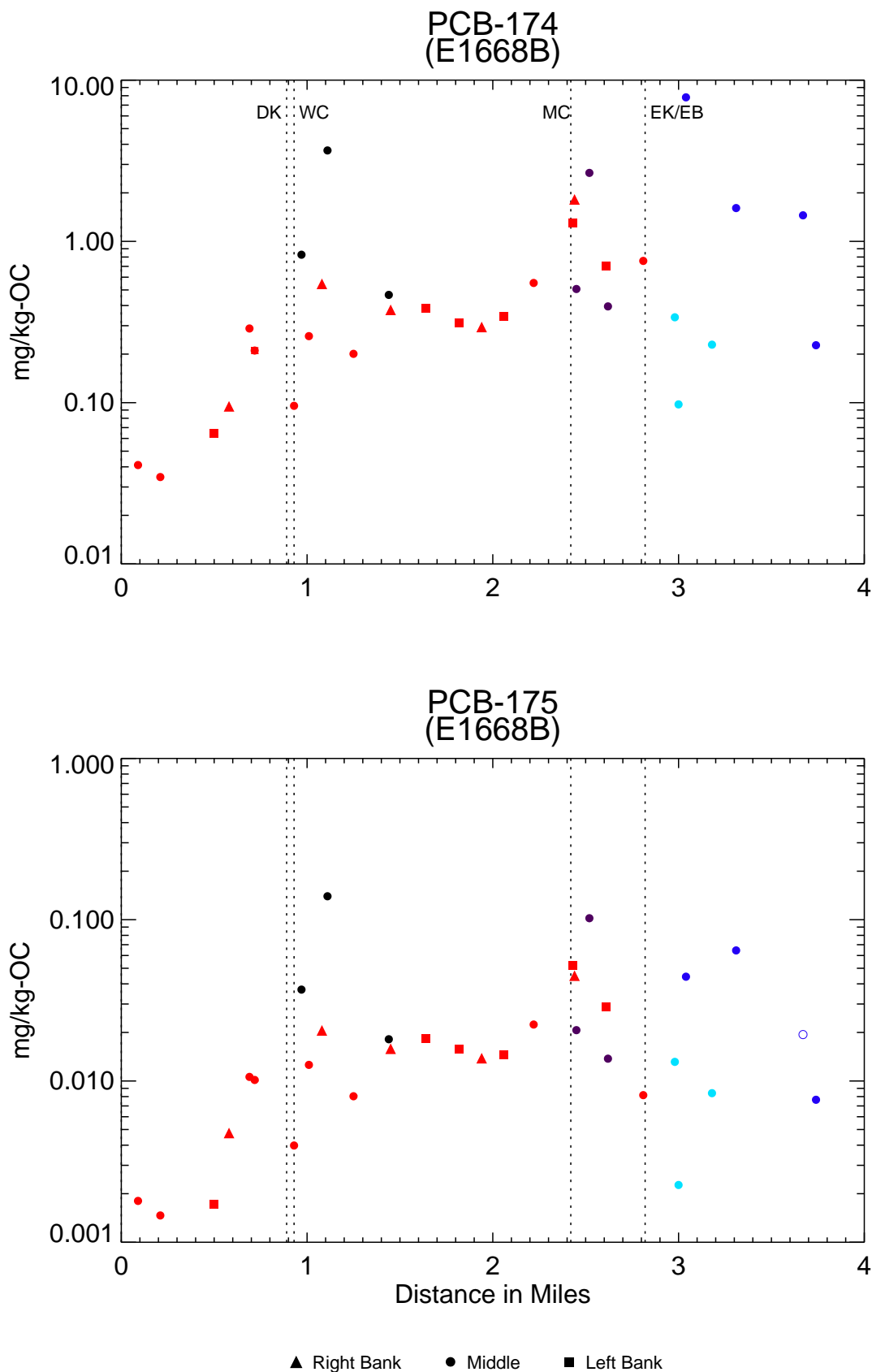
**Figure A4-549**

Surface Sediment Chemical Data (OC Normal) - 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.*



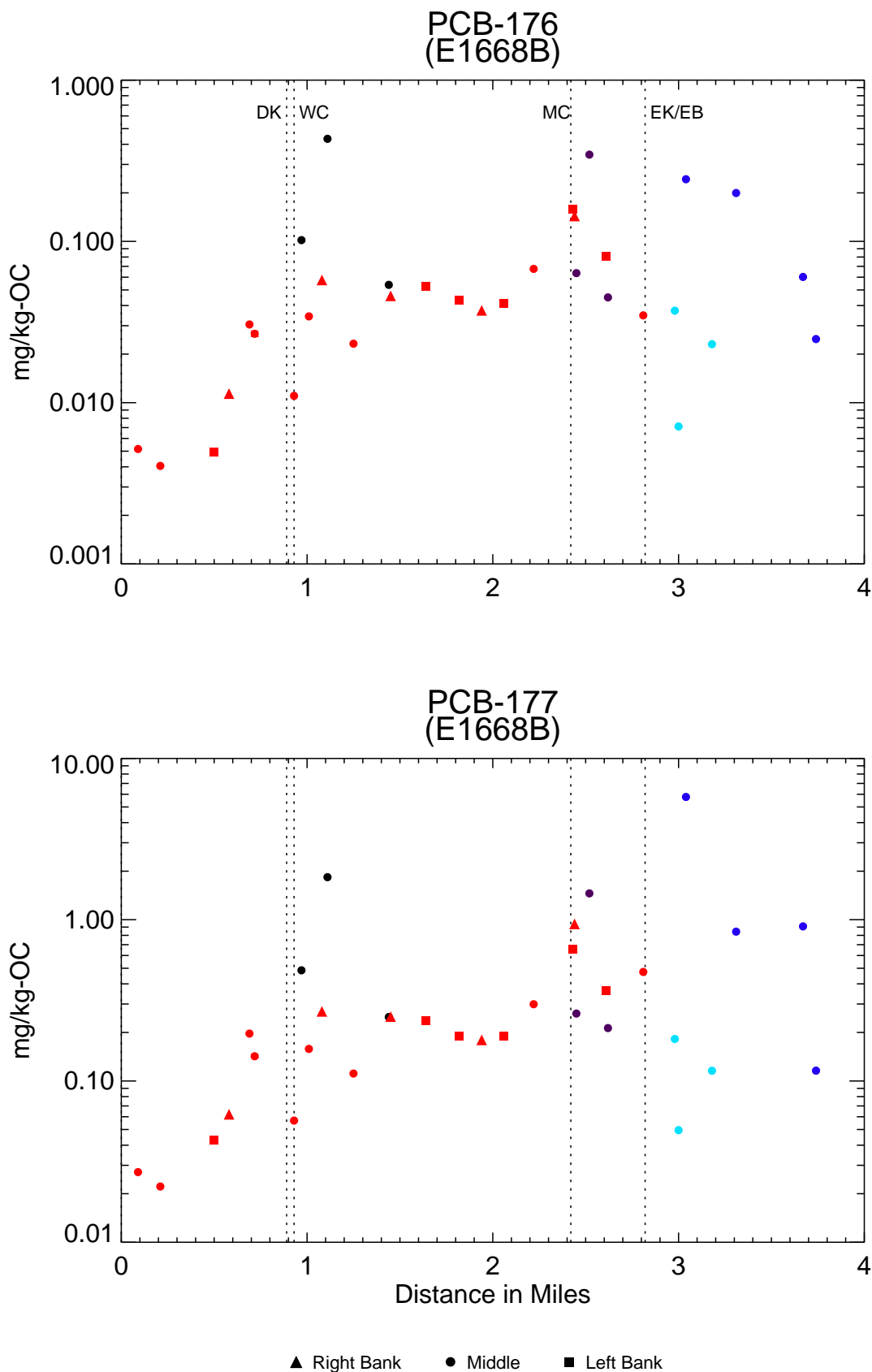
**Figure A4-550**

Surface Sediment Chemical Data (OC Normal) - 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 A4-551**

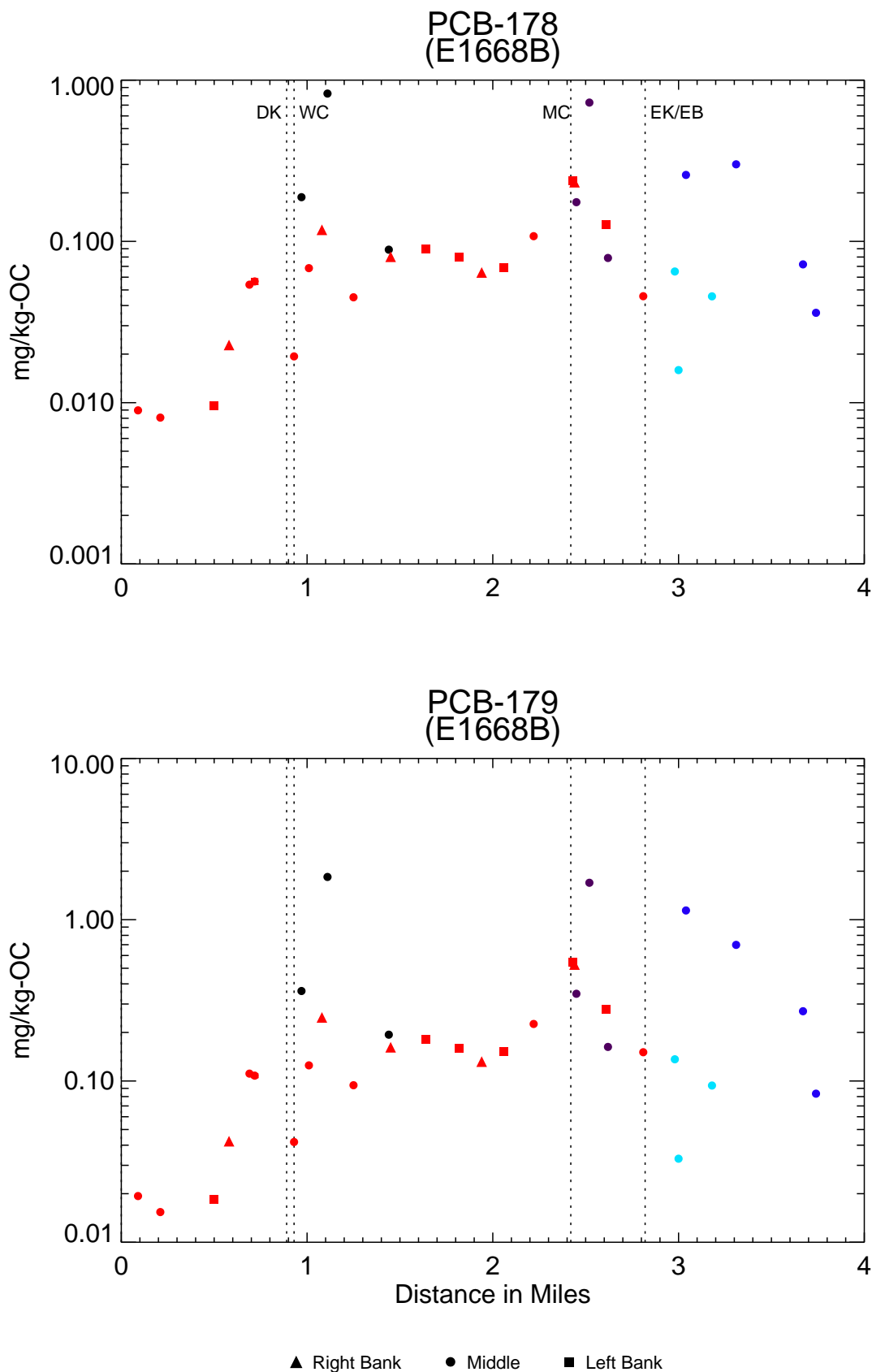
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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.*





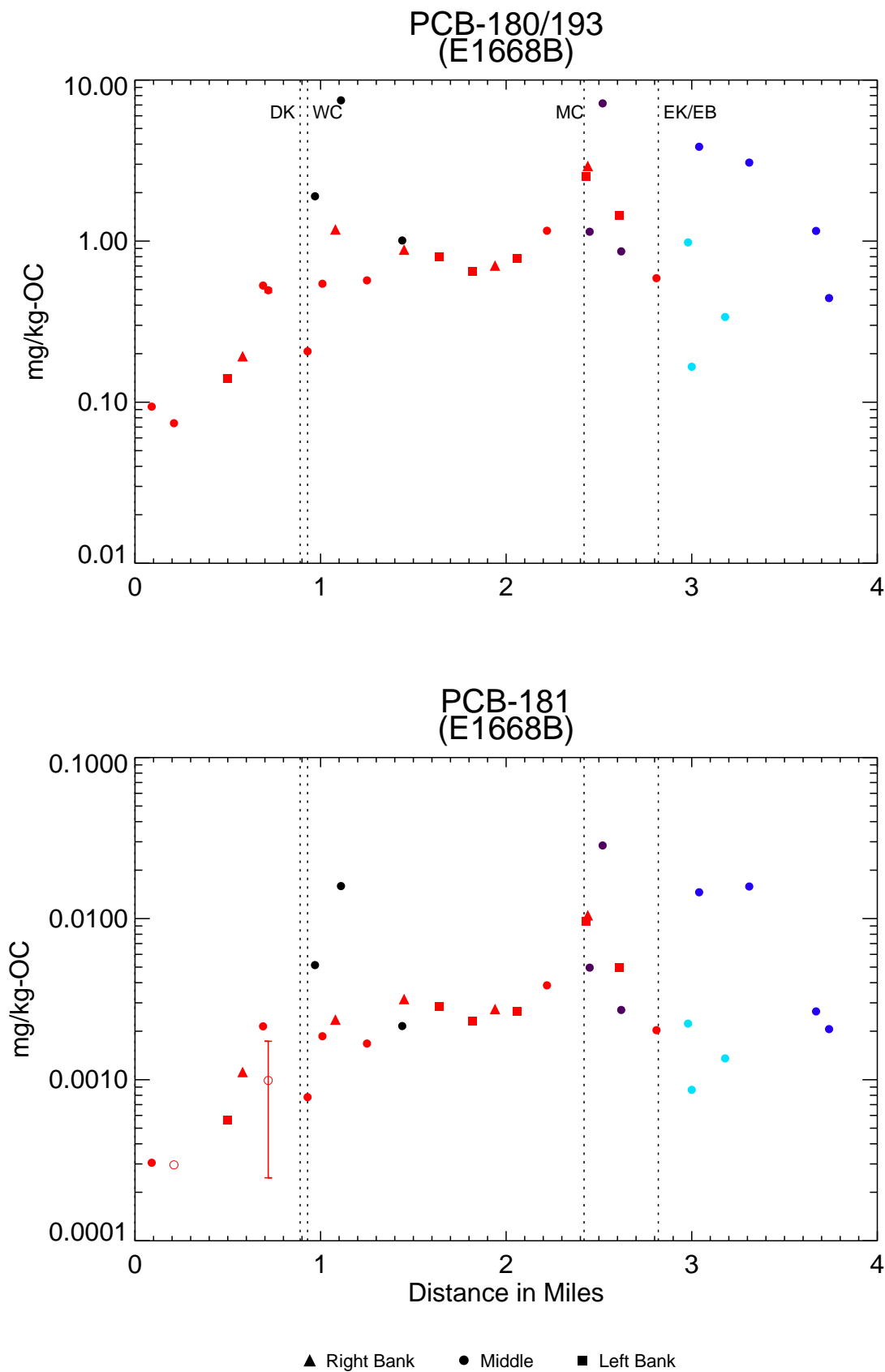
**Figure A4-552**

Surface Sediment Chemical Data (OC Normal) - 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.*

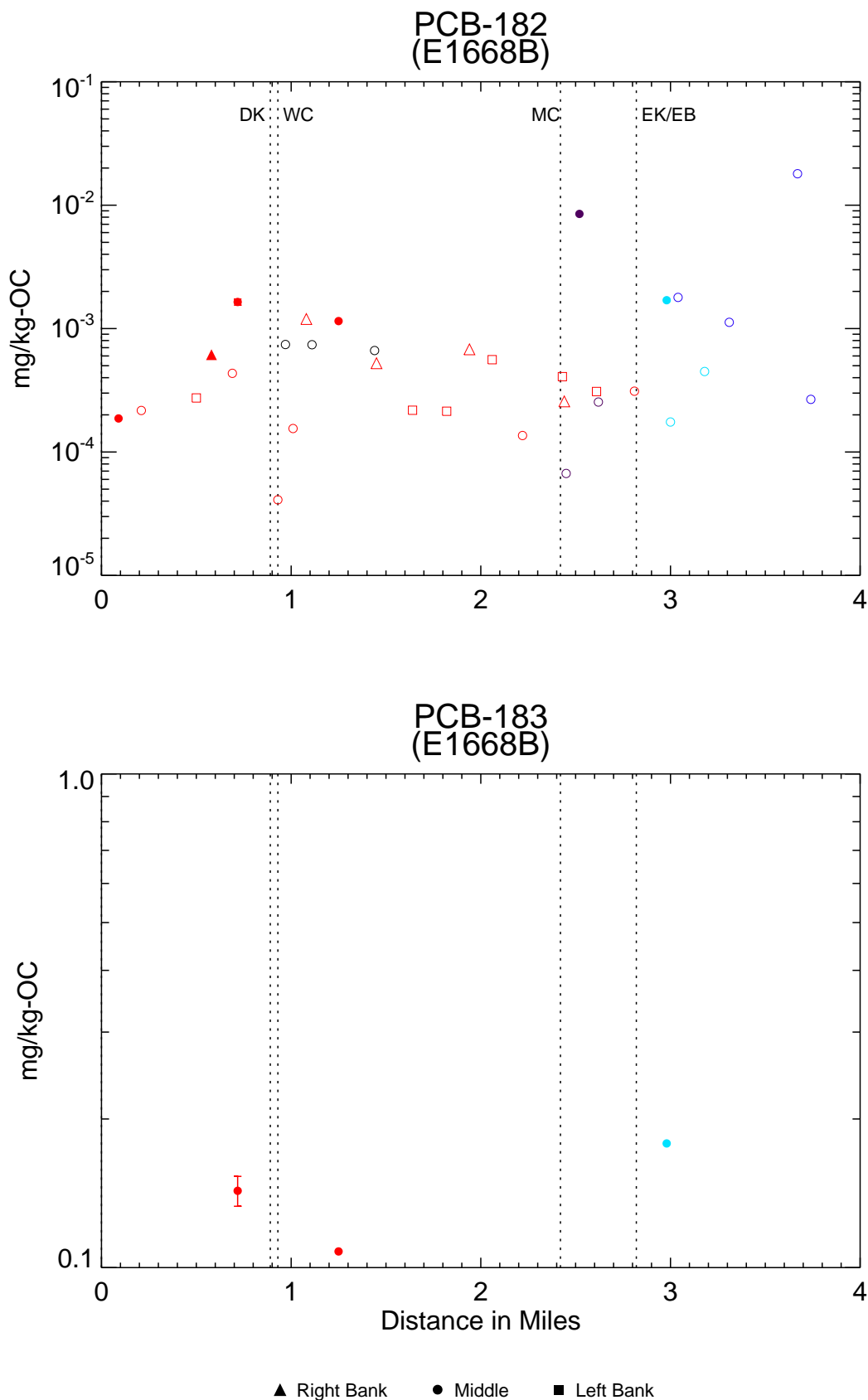
**Figure A4-553**

Surface Sediment Chemical Data (OC Normal) - 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.*

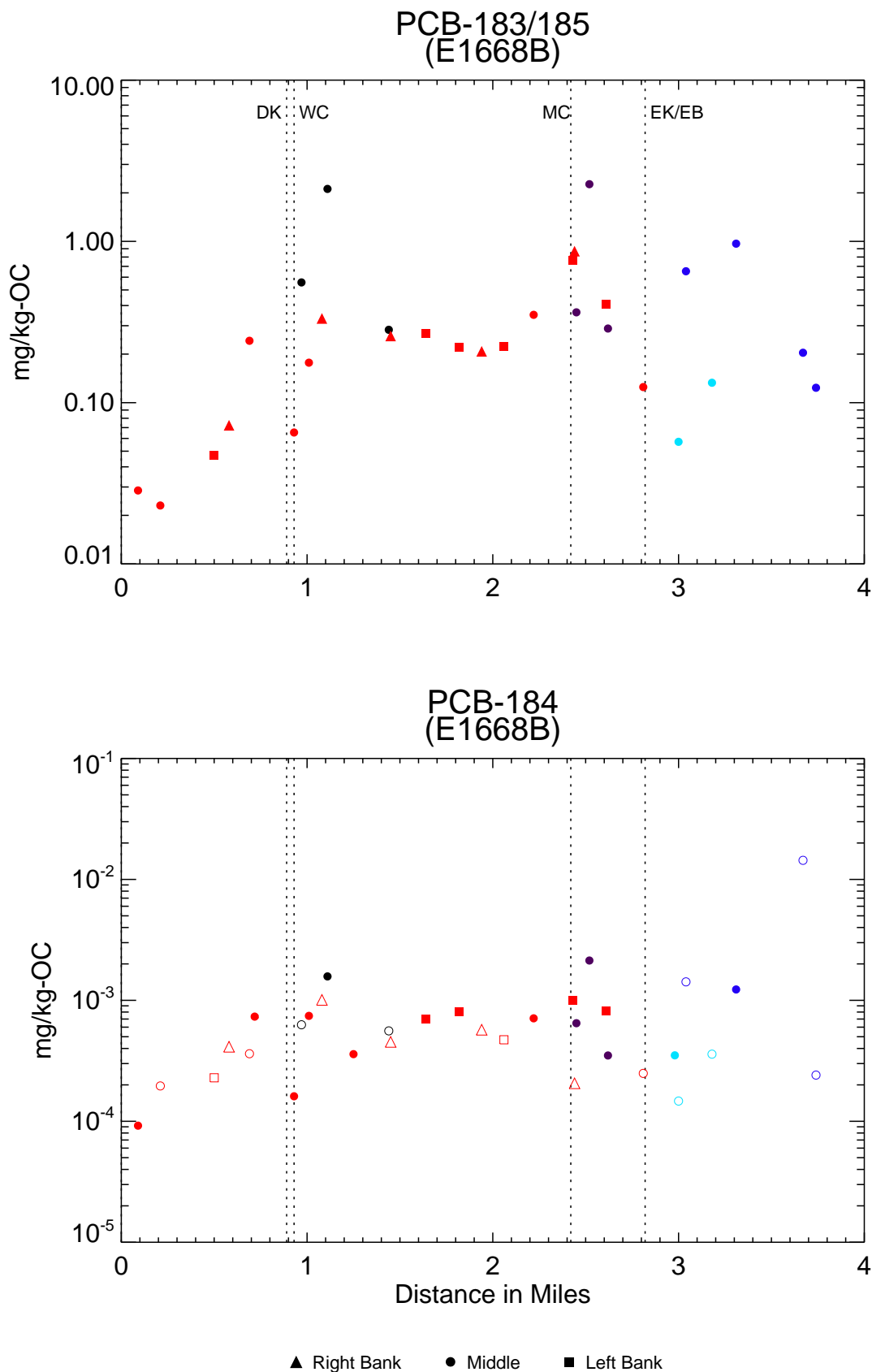
**Figure A4-554**

**Surface Sediment Chemical Data (OC Normal) - 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.*



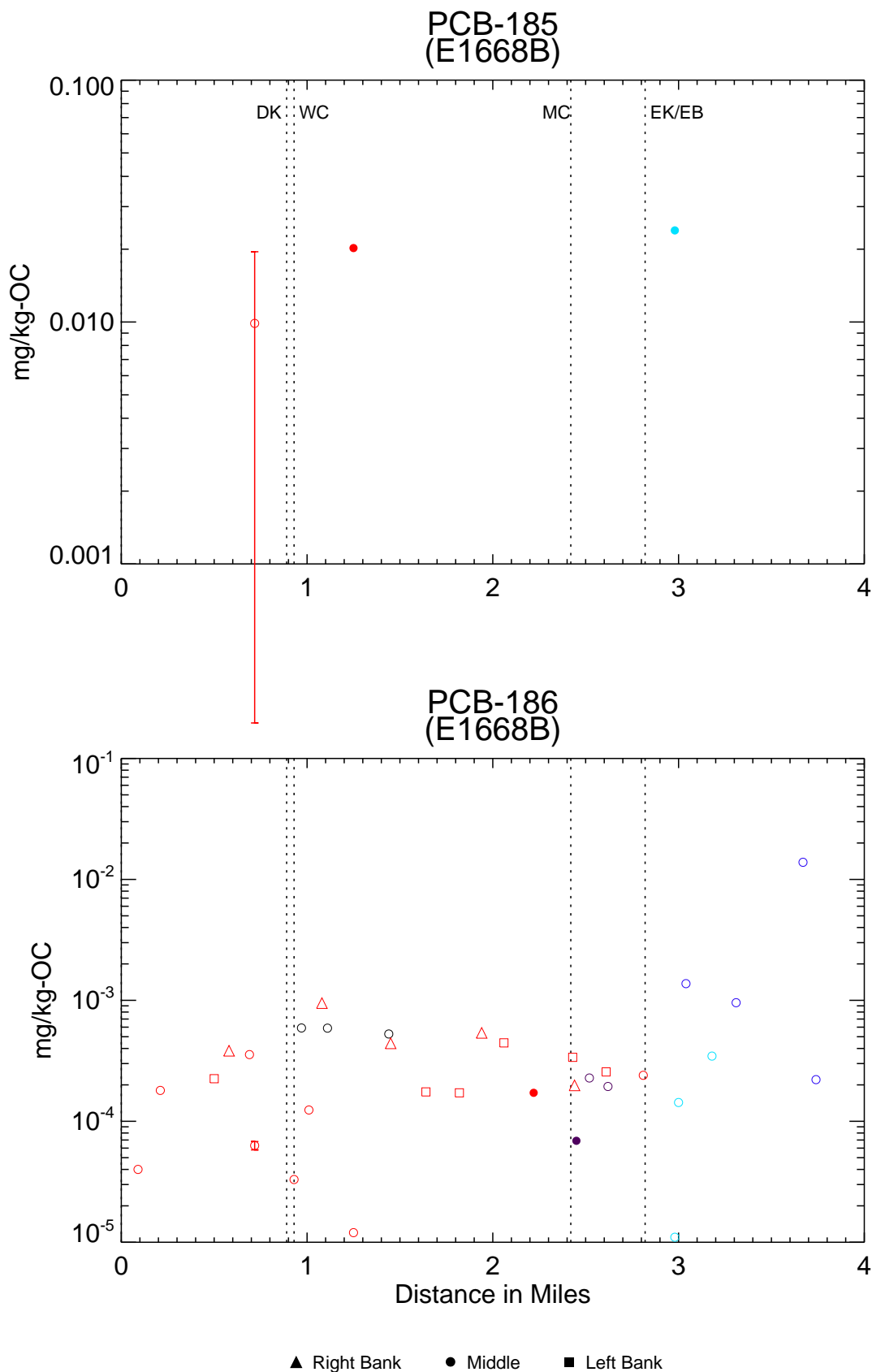
**Figure A4-555**

**Surface Sediment Chemical Data (OC Normal) - 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.*

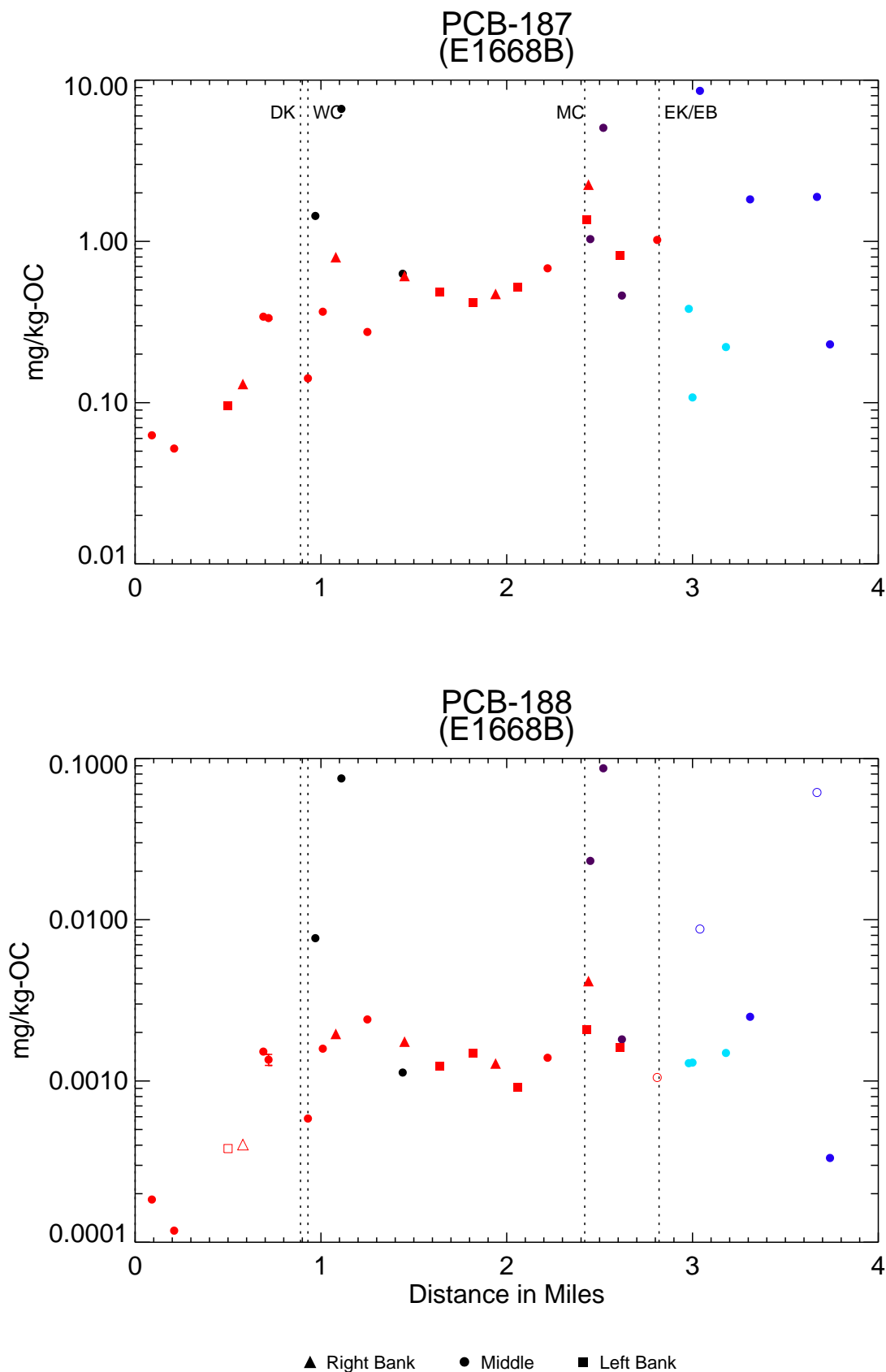
**Figure A4-556**

**Surface Sediment Chemical Data (OC Normal) - 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.*



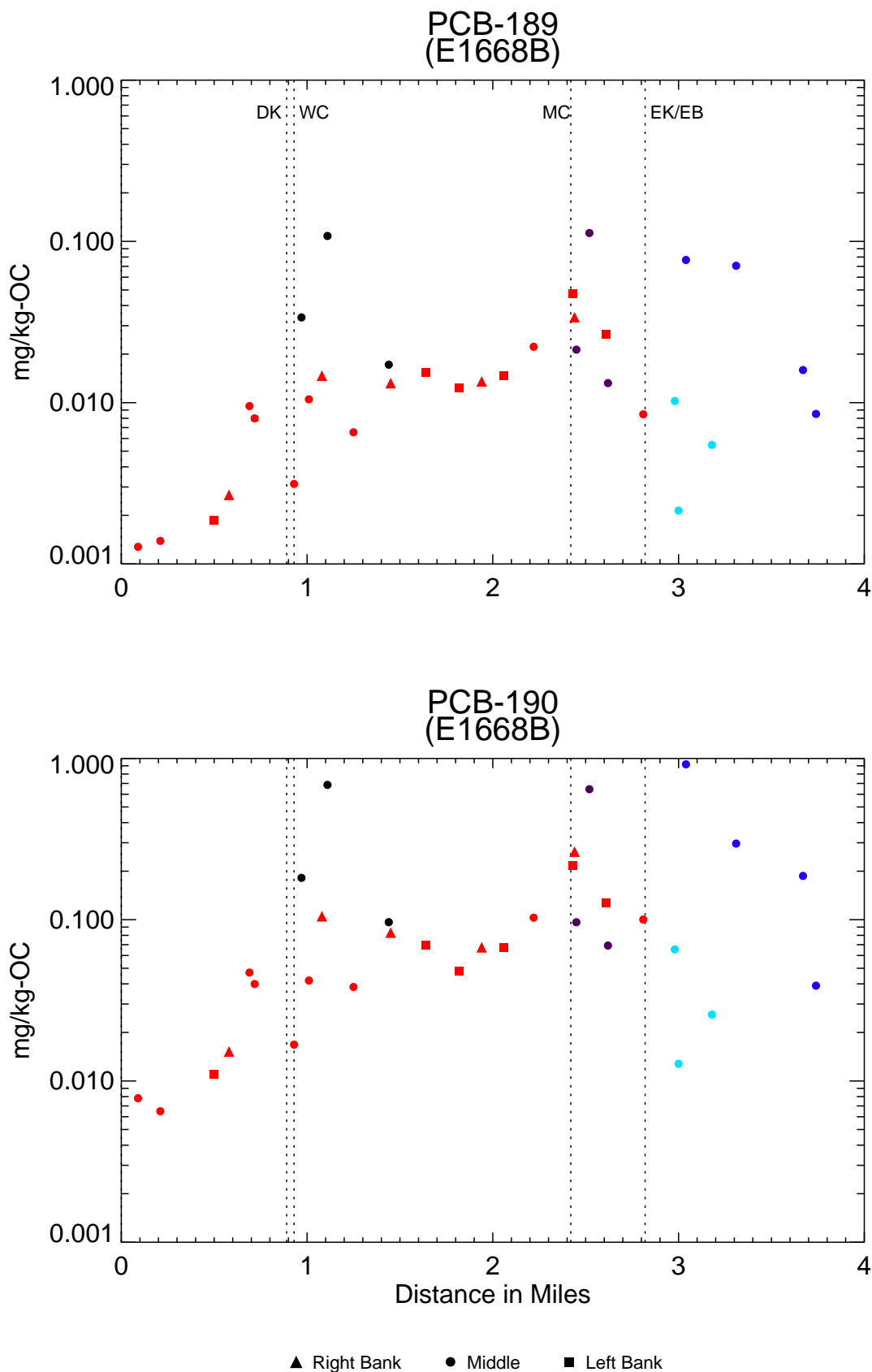
**Figure A4-557**

Surface Sediment Chemical Data (OC Normal) - 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.*

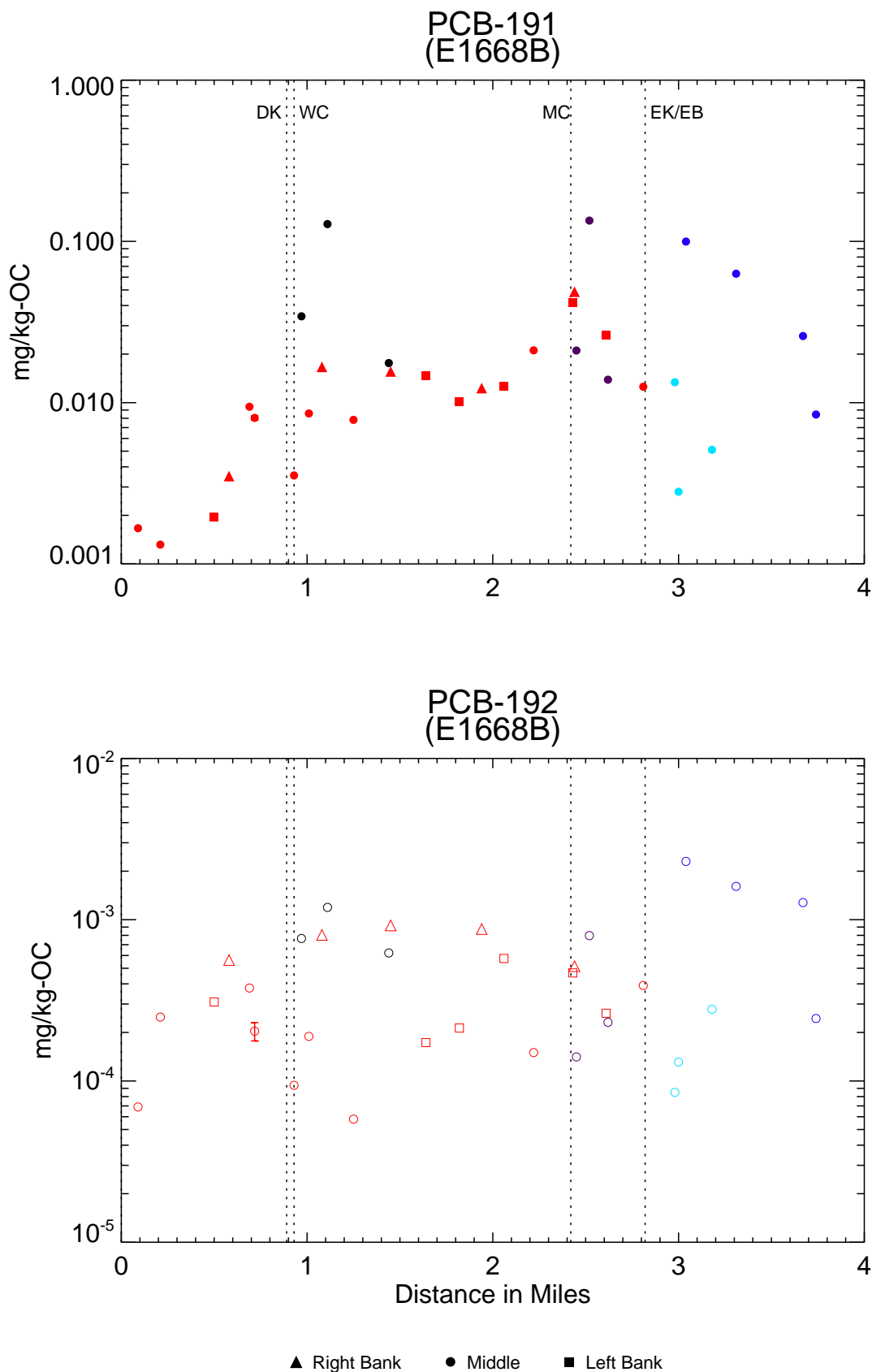
**Figure A4-558**

**Surface Sediment Chemical Data (OC Normal) - 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 A4-559**

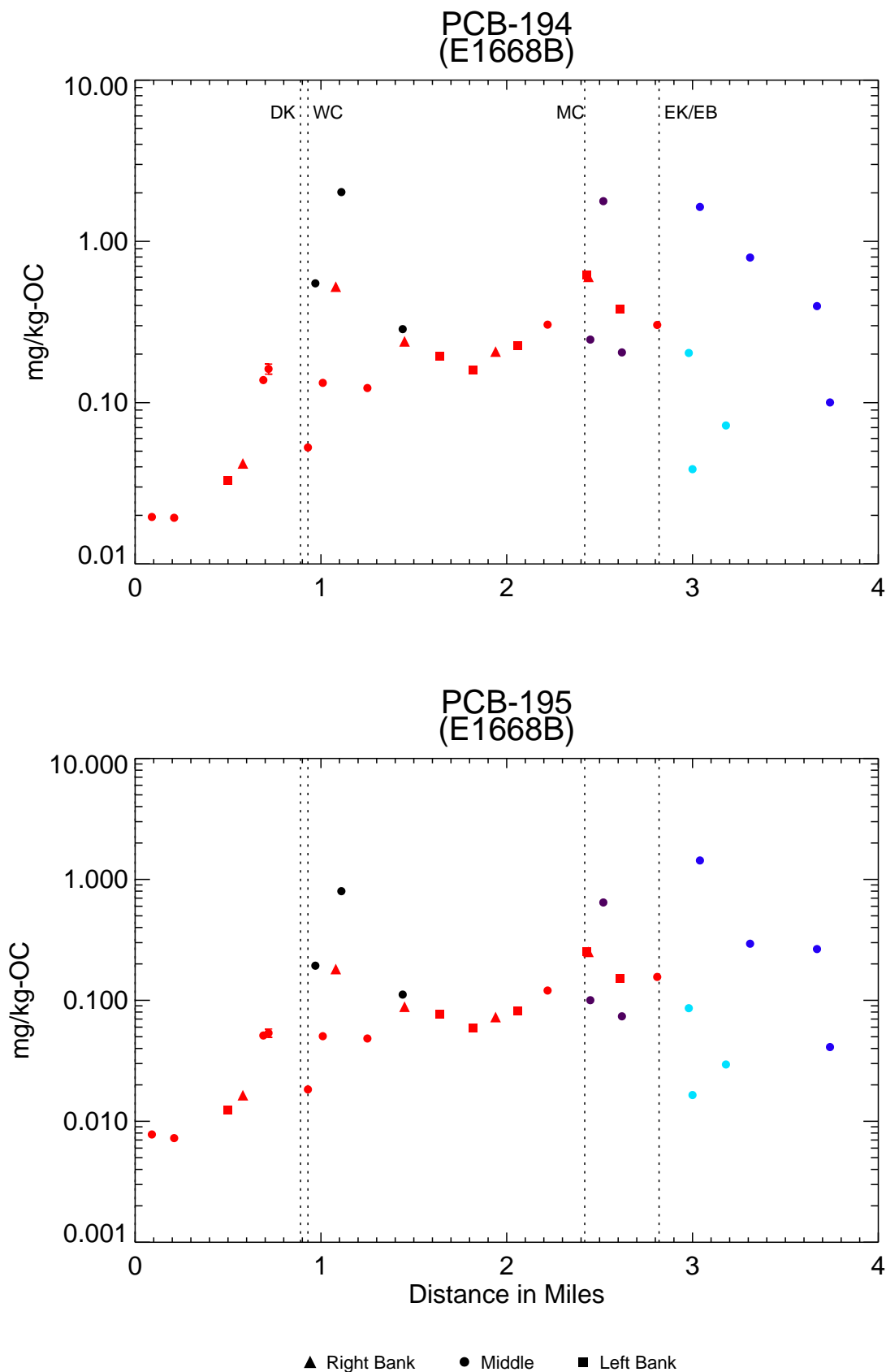
**Surface Sediment Chemical Data (OC Normal) - Spatial Profiles**  
**Phase 1 RI Data Summary Report - Submittal No. 1**  
**Newtown Creek RI/FS**

- 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.*





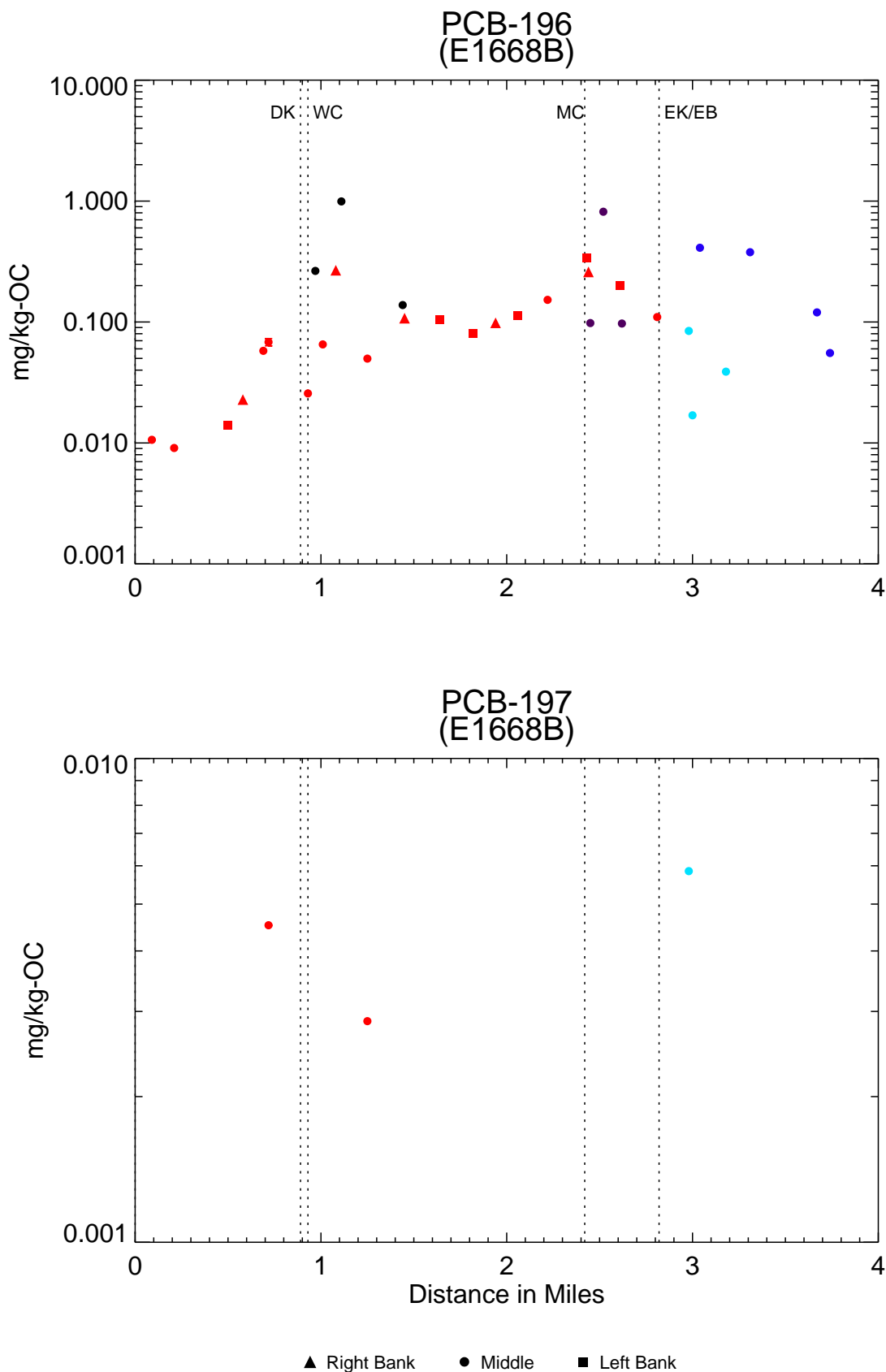
**Figure A4-560**

Surface Sediment Chemical Data (OC Normal) - 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.*

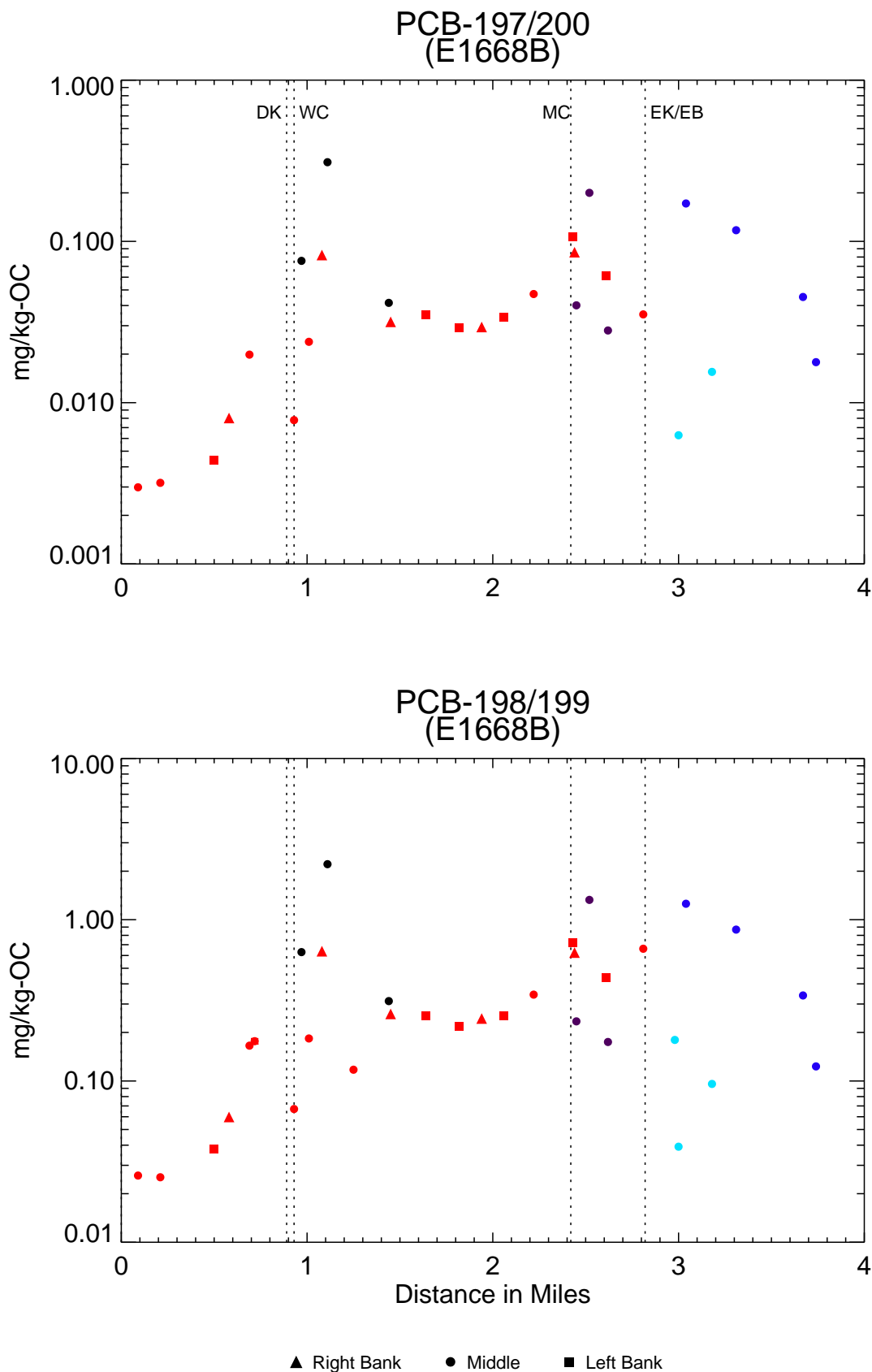
**Figure A4-561**

**Surface Sediment Chemical Data (OC Normal) - 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.*



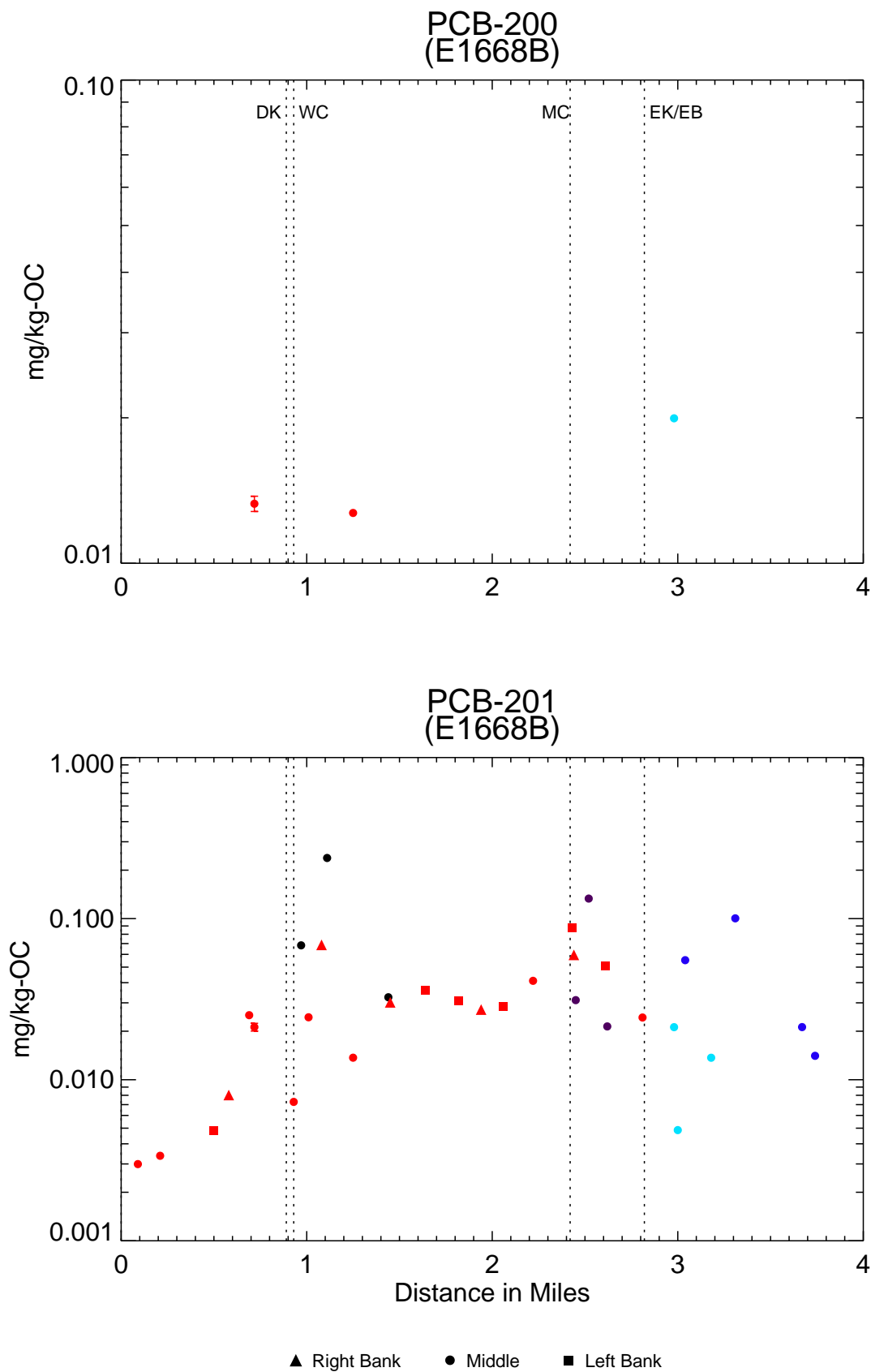
**Figure A4-562**

**Surface Sediment Chemical Data (OC Normal) - 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.*



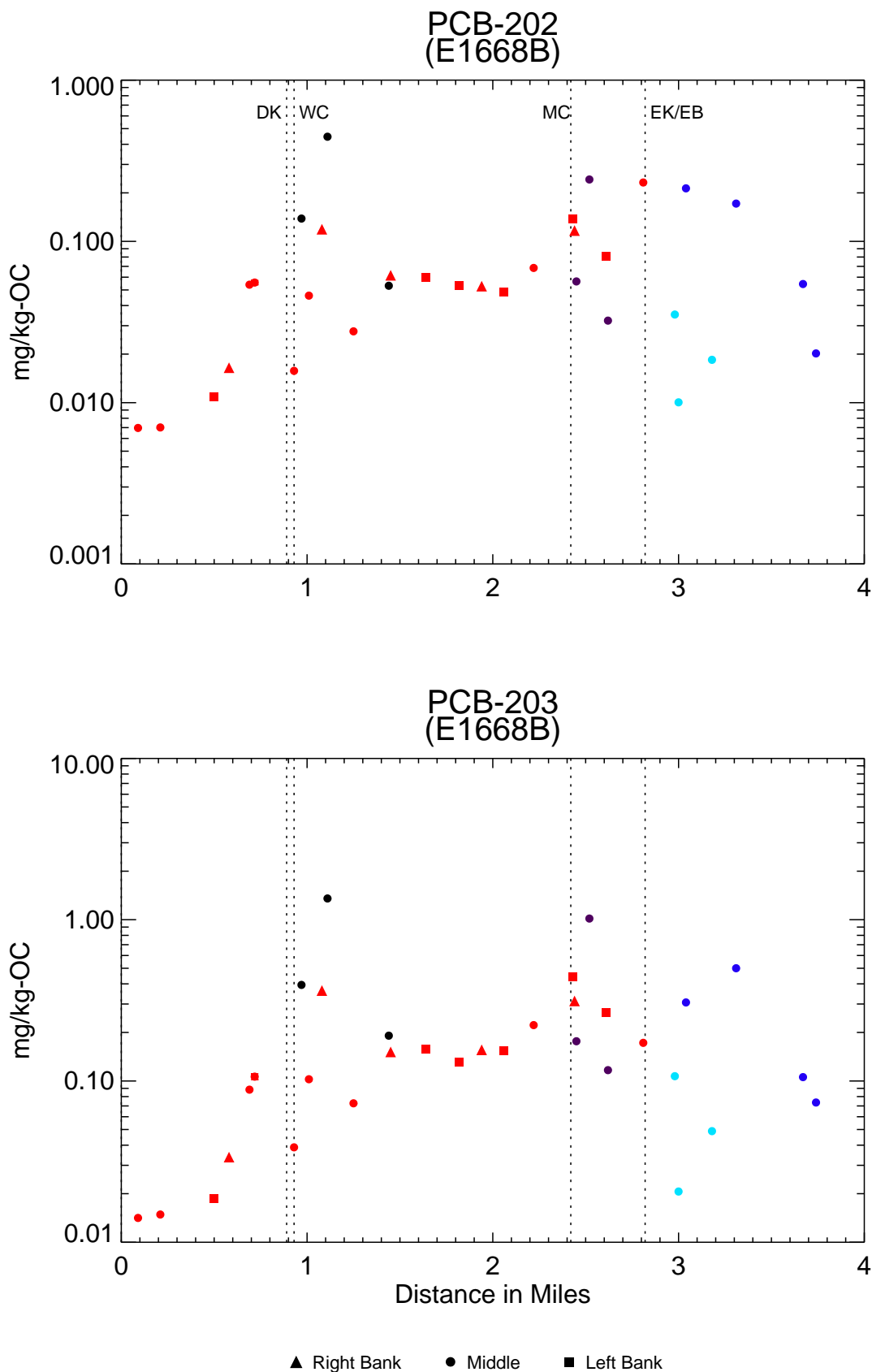
**Figure A4-563**

Surface Sediment Chemical Data (OC Normal) - 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.*

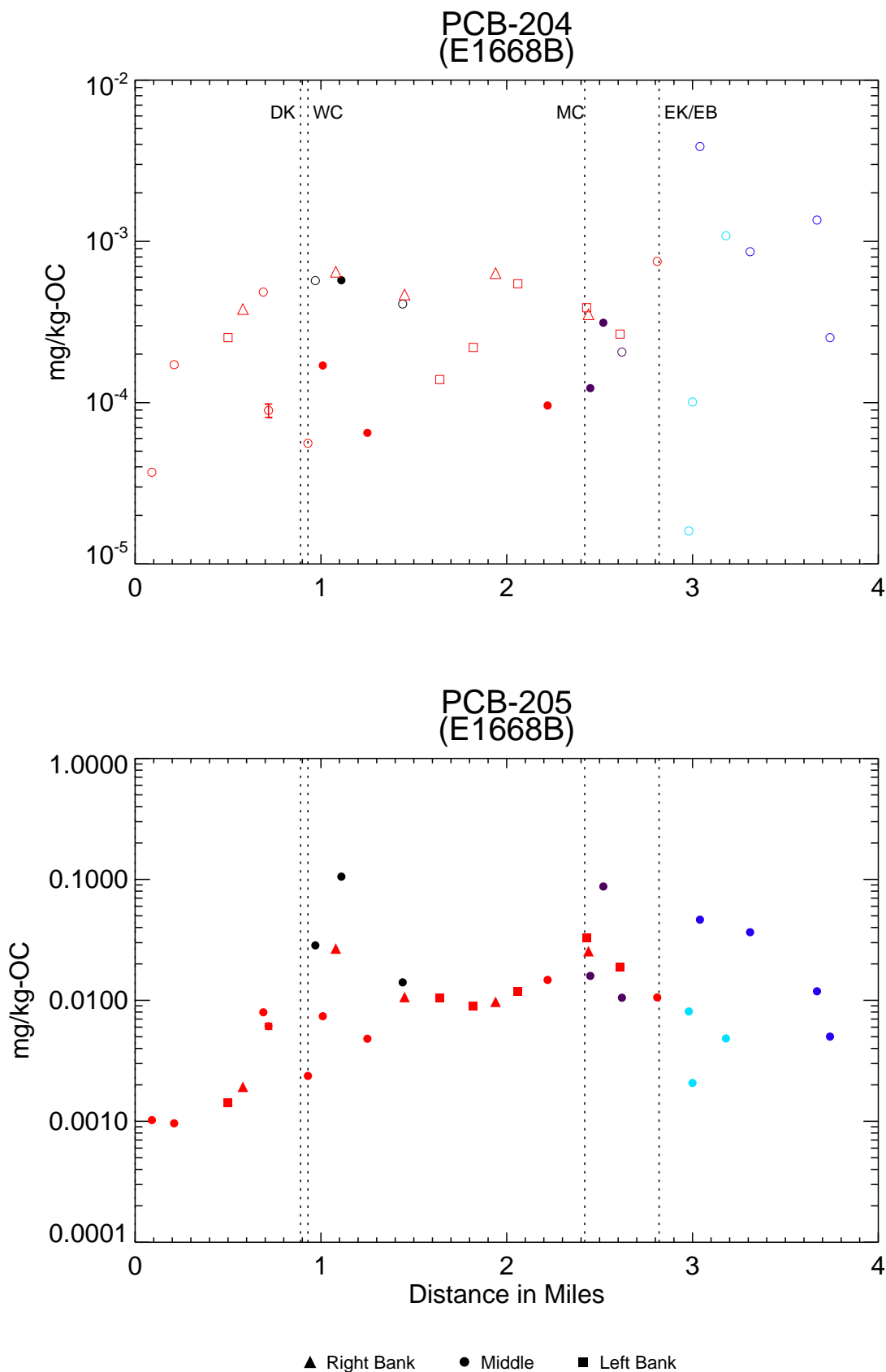
**Figure A4-564**

Surface Sediment Chemical Data (OC Normal) - 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.*

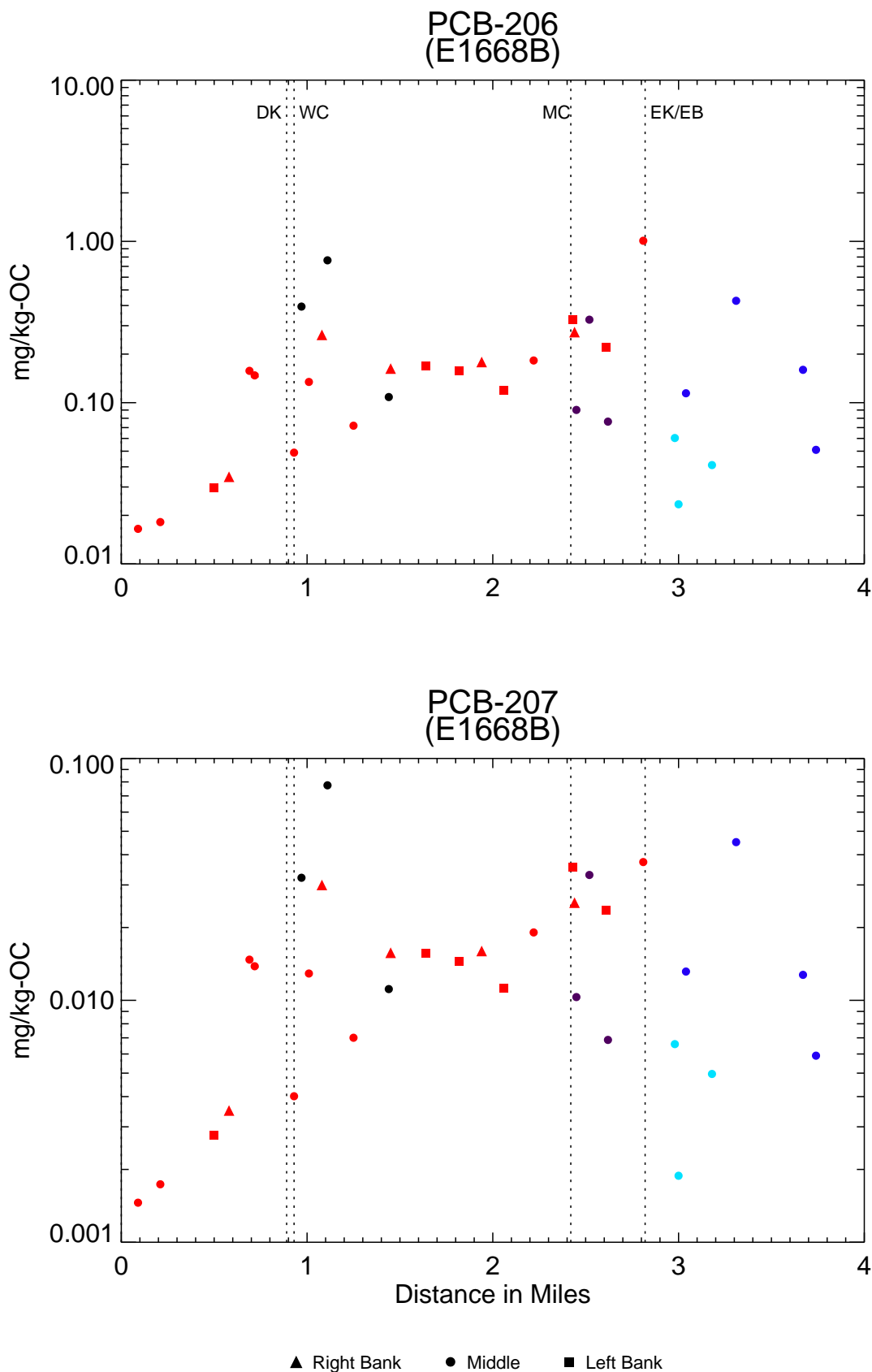
**Figure A4-565**

Surface Sediment Chemical Data (OC Normal) - 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.*

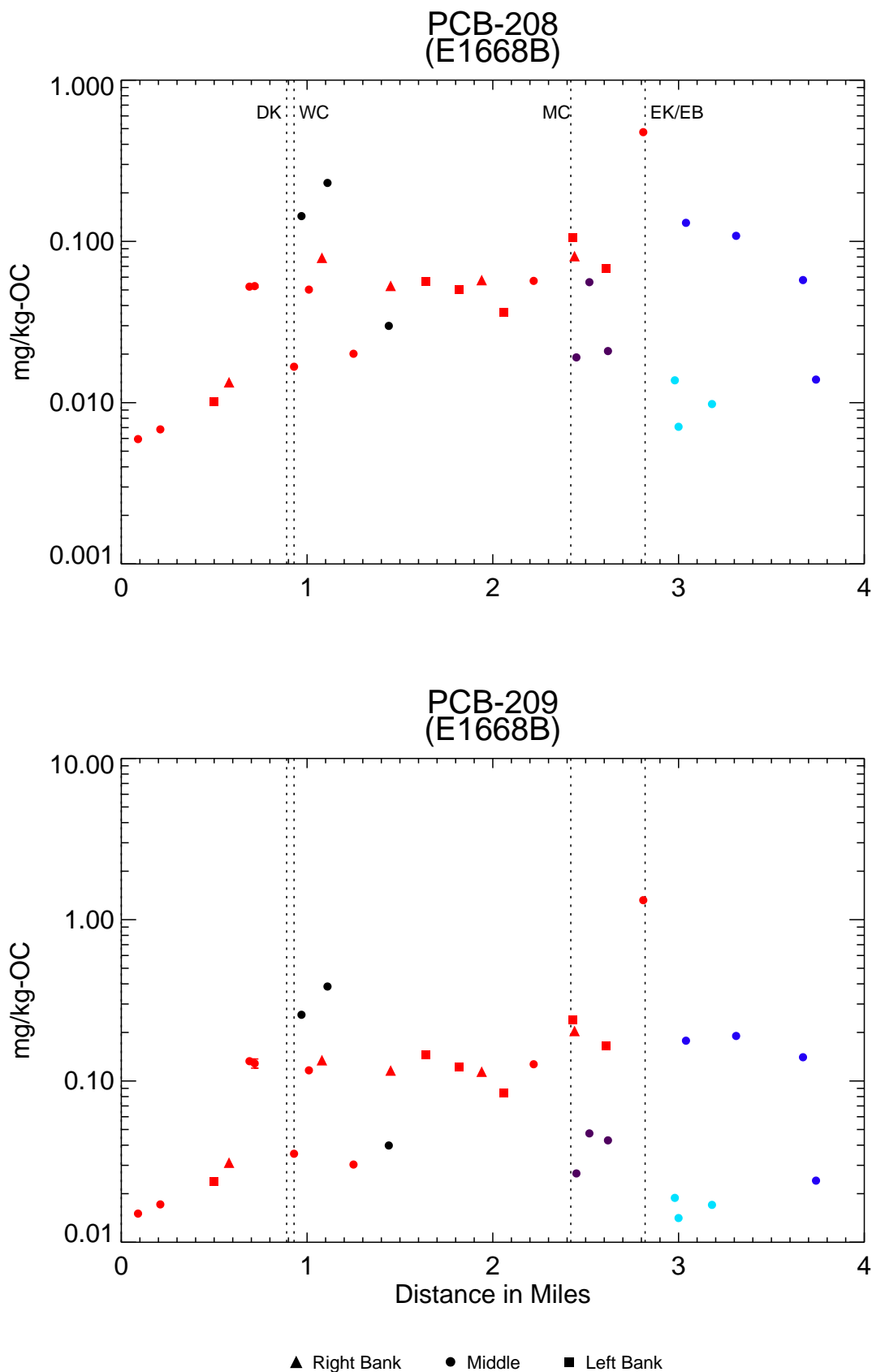
**Figure A4-566**

Surface Sediment Chemical Data (OC Normal) - 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 A4-567**

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

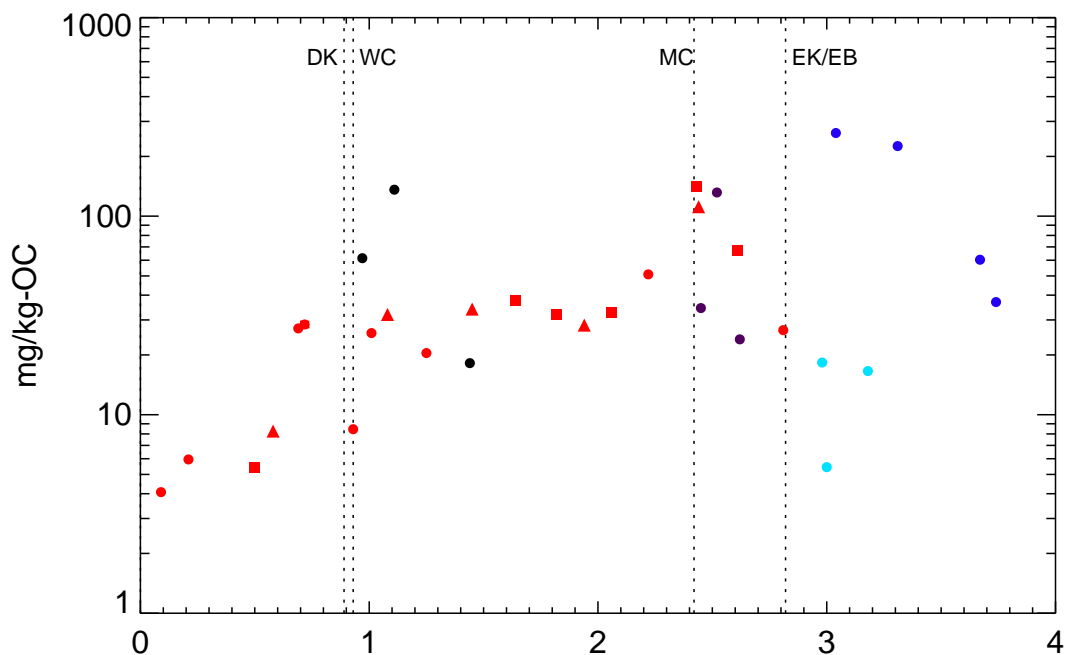
- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

*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.*

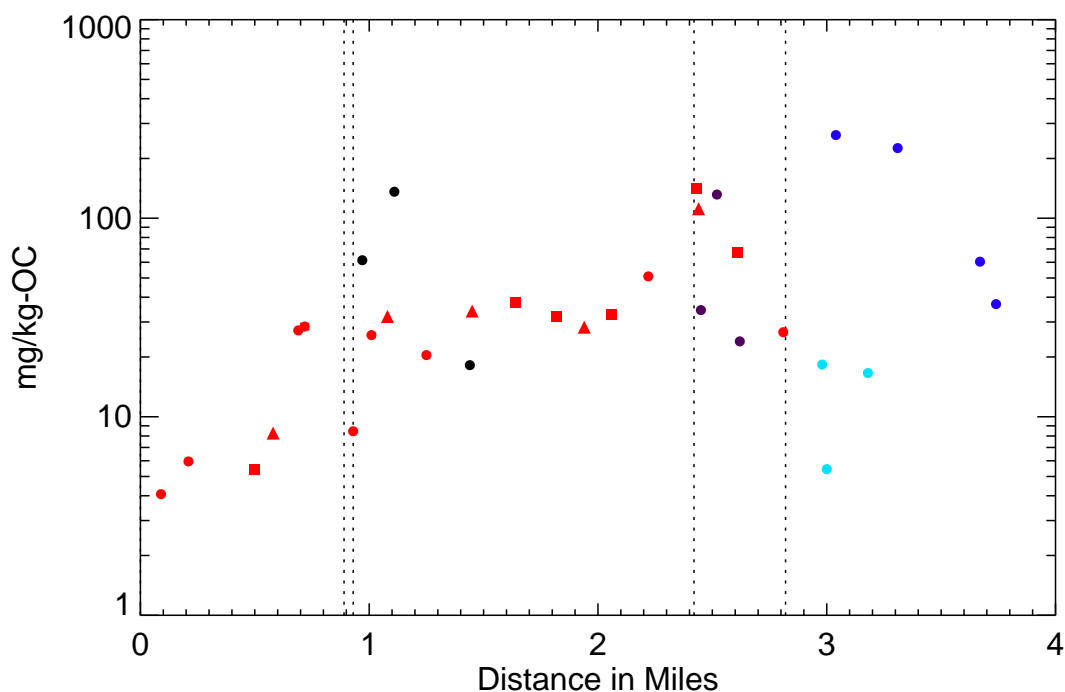




## Total PCB Congener (U = 0) (MDL)



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



▲ Right Bank    ● Middle    ■ Left Bank

Figure A4-568

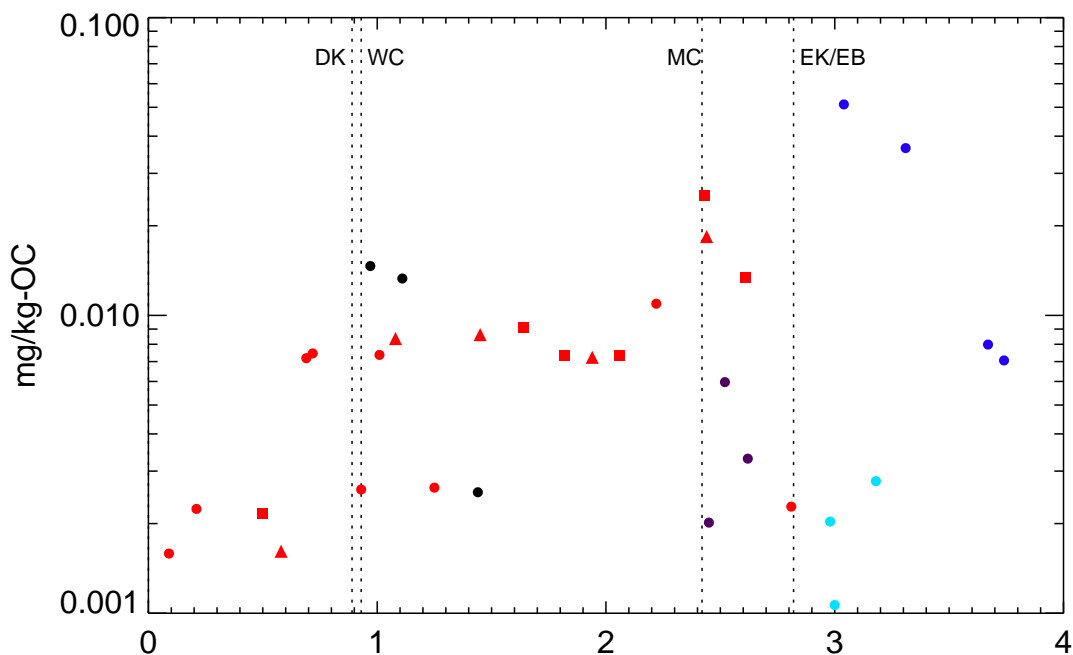
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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)

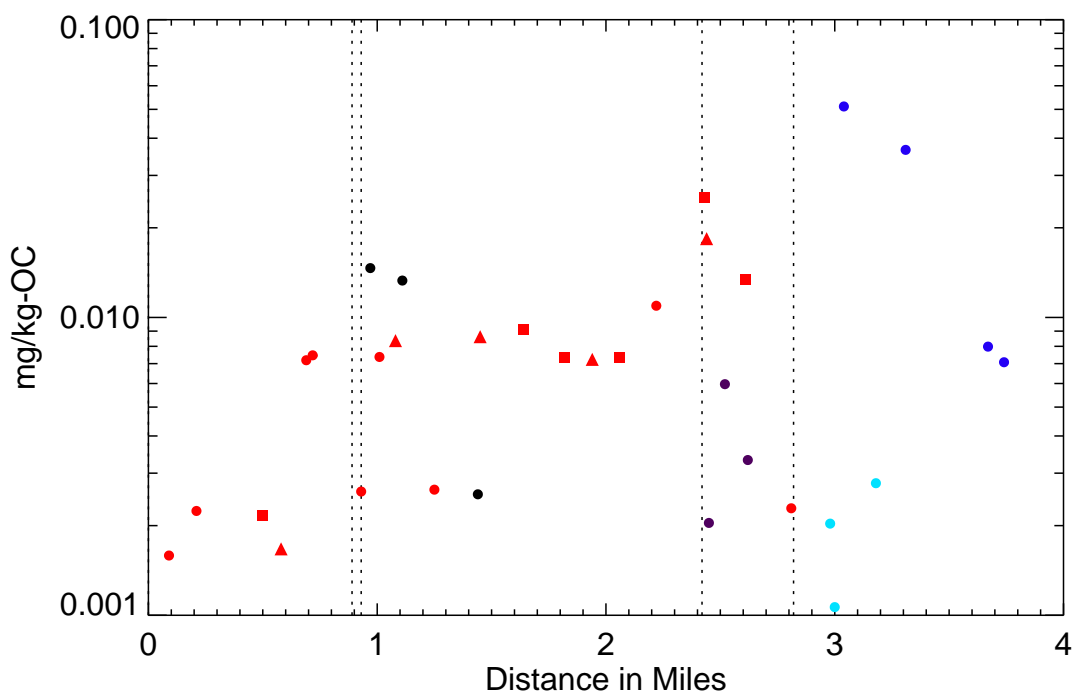


*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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

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



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



▲ Right Bank    ● Middle    ■ Left Bank

**Figure A4-569**

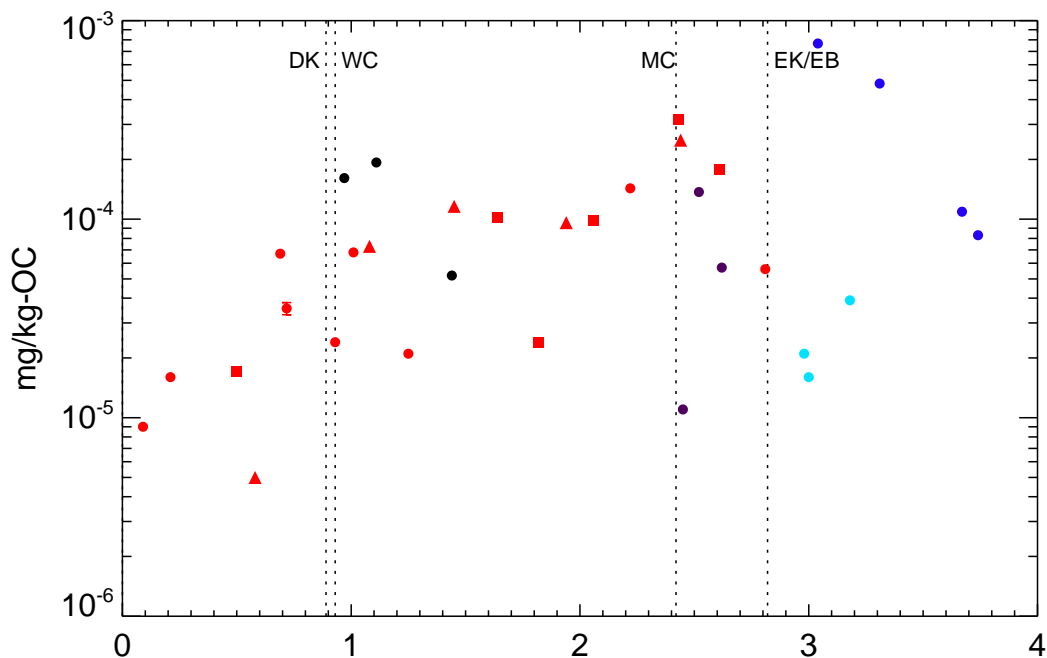
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

- 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)

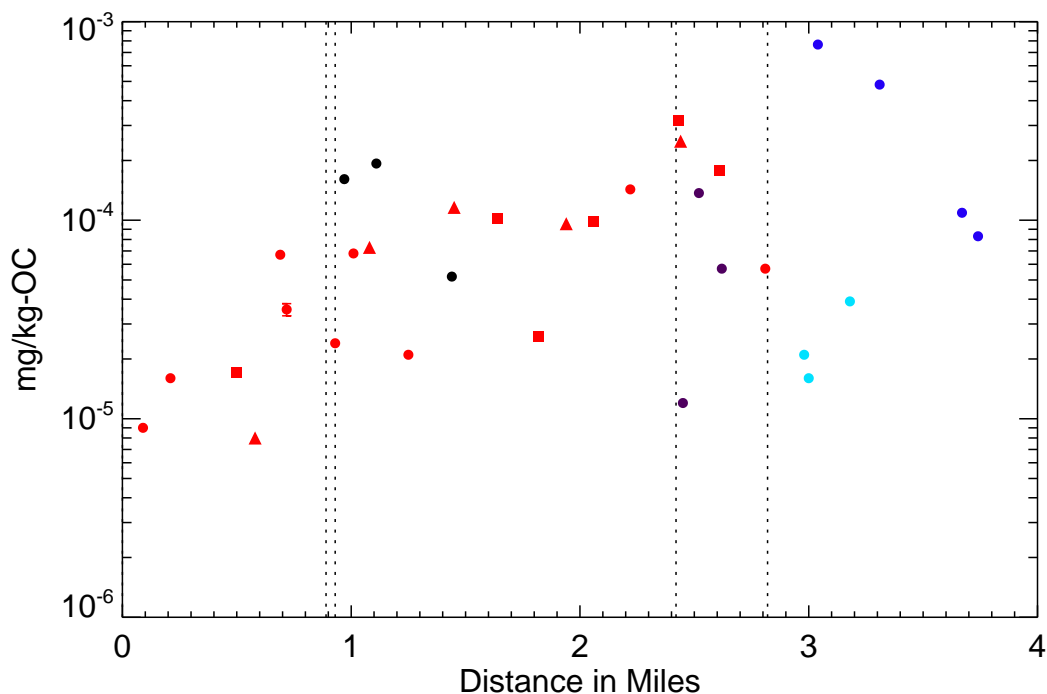
*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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



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



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



▲ Right Bank    ● Middle    ■ Left Bank

Figure A4-570

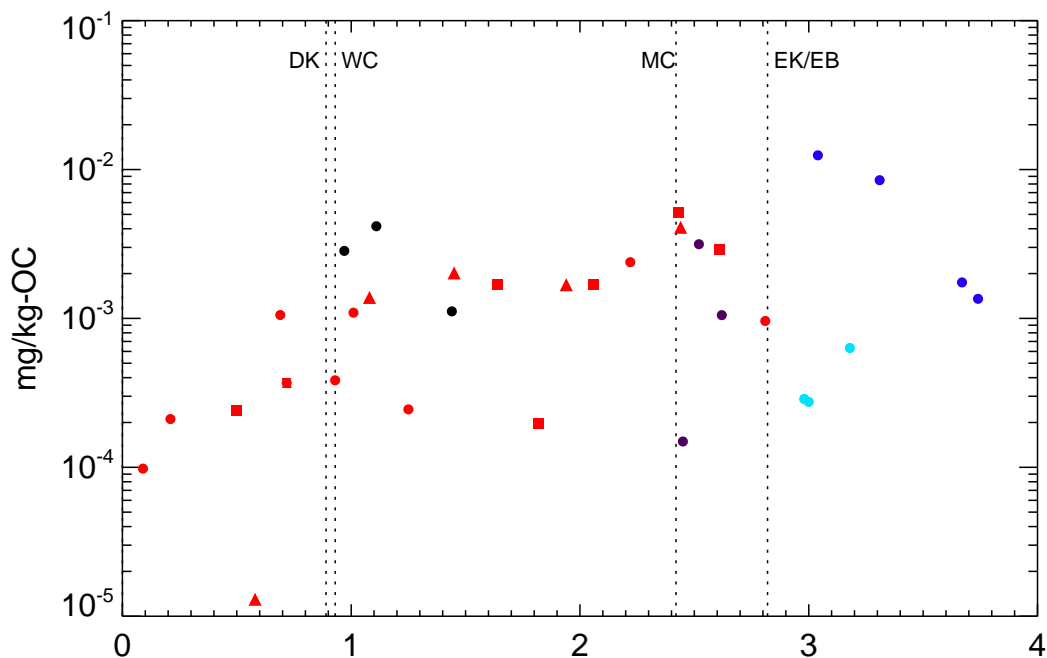
Surface Sediment Chemical Data (OC Normal) - Spatial Profiles  
Phase 1 RI Data Summary Report - Submittal No. 1  
Newtown Creek RI/FS

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

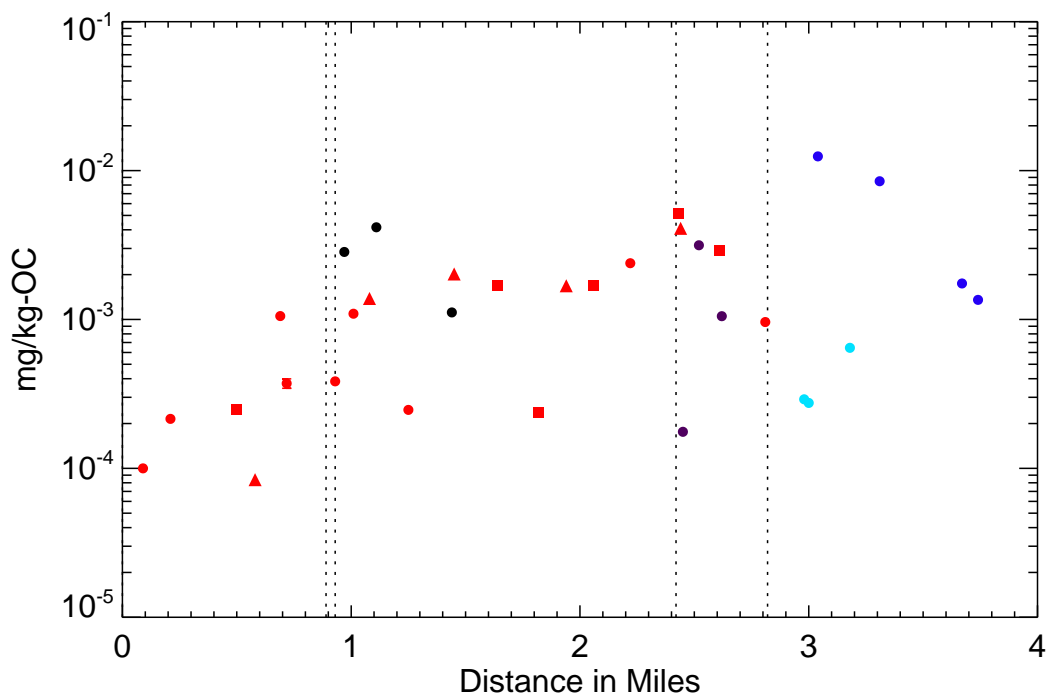
*Note: NDs included at MDL. Mile point 0 = confluence of Newtown Creek and East River. Vertical dashed lines represent mile points of the mouths of the indicated tributaries. Due to sampling constraints some sample depths are less than the targeted 6 inches. Left and right banks are determined looking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



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



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



▲ Right Bank    ● Middle    ■ Left Bank

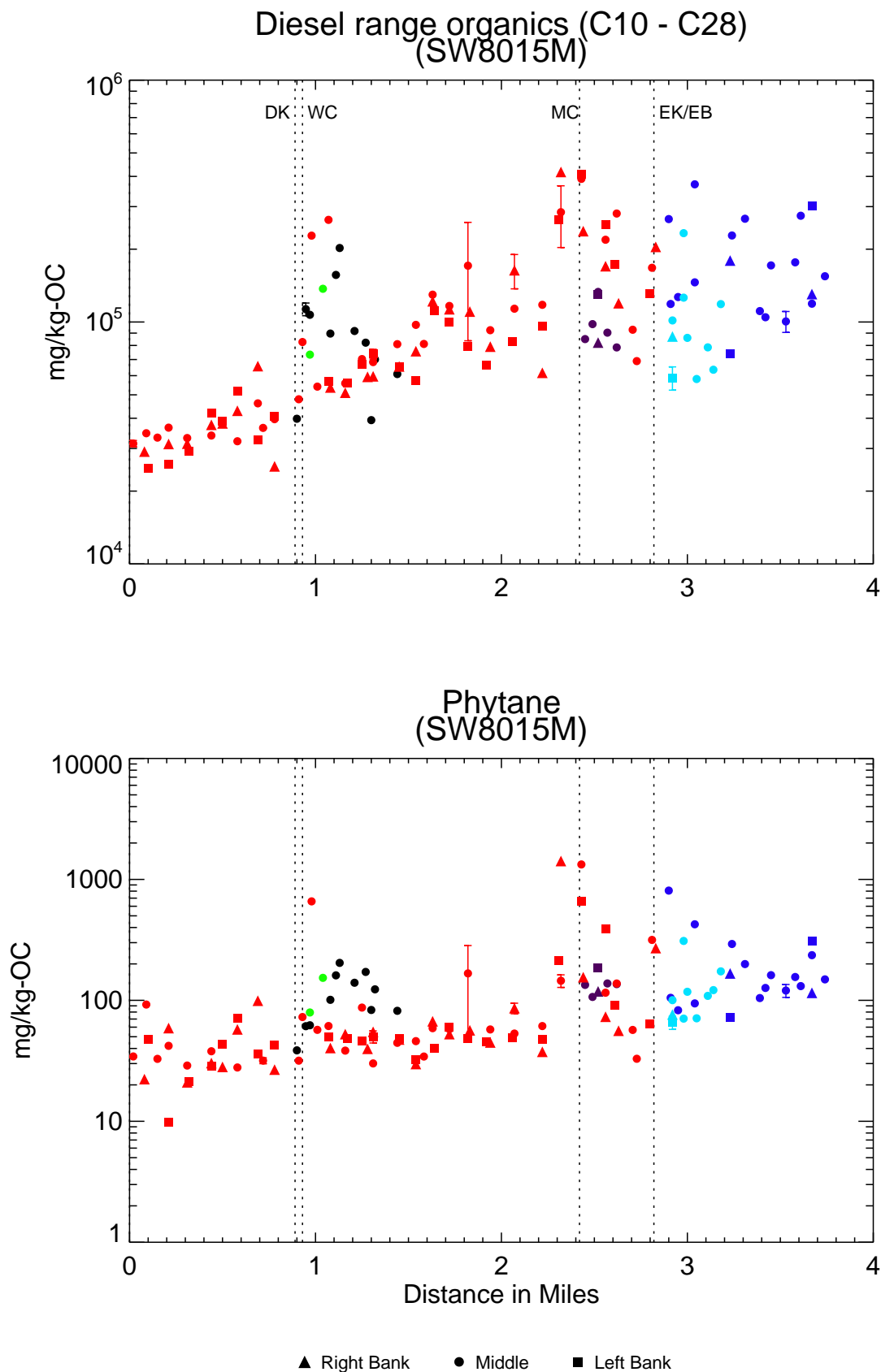
**Figure A4-571**

Surface Sediment Chemical Data (OC Normal) - 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.*

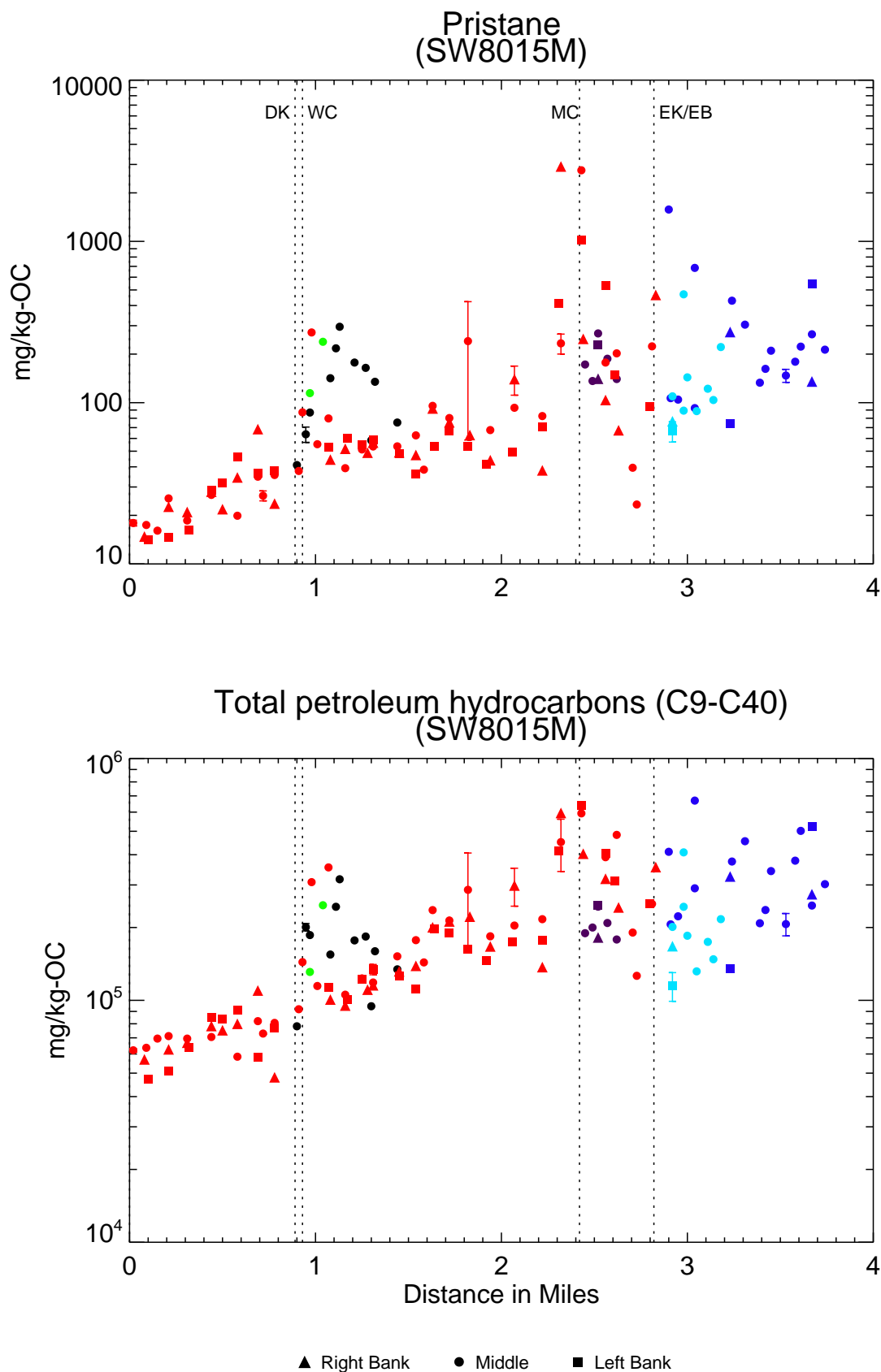




- Newtown Creek
- Dutch Kills (0.89 mi)
- Whale Creek (0.93mi)
- Maspeth Creek (2.42 mi)
- English Kills (2.82 mi)
- East Branch (2.82 mi)

**Figure A4-572**  
Surface Sediment Chemical Data (OC Normal) - 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 A4-573**

Surface Sediment Chemical Data (OC Normal) - 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.*