

Appendix A5: Probability Plots of Heavy Metals and Trace Constituents from Full-Scale Column Tests

This appendix contains probability plots for the heavy metal, and trace constituent, influent and effluent values from the long-term, full-column tests. These plots were created using SigmaPlot as it was necessary to correctly plot data series having missing observations. Values less than the laboratory detection limit are not substituted on these plots. As an example, if only 30% of the samples had observed values, the probability plots started at the 70th percentile. The concentrations were plotted using log₁₀-transformed values as most of these constituents are likely log-normally distributed. As in Appendix A4, straight lines indicate good fits with normal distributions (but log-normal for these constituents), parallel plots indicate similar standard deviations, and well-separated plots indicated likely significant differences between influent and effluent concentrations.

These plots are organized by each of the following 29 constituents: the observations for each media column test for each constituent. The order of the constituents is as follows (all have observations for total and filtered forms shown, except for mercury as only total mercury was evaluated):

- Antimony, total and filtered
- Arsenic, total and filtered
- Aluminum, total and filtered
- Boron, total and filtered
- Calcium, total and filtered
- Cadmium, total and filtered
- Copper, total and filtered
- Iron, total and filtered
- Magnesium, total and filtered
- Manganese, total and filtered
- Nickel, total and filtered
- Lead, total and filtered
- Mercury, total
- Thallium, total and filtered
- Zinc, total and filtered

The order of the media column data, for each of the constituents, is as follows:

- Granular activated carbon (GAC)
- Peat moss (PM)
- Rhyolite sand (R)
- Site filter sand (S)
- Site zeolite (Z)
- Surface modified zeolite (SMZ)

- Mixed Rhyolite sand – surface modified zeolite (R-SMZ)
- Mixed Rhyolite sand – surface modified zeolite – granular activated carbon (R-SMZ-GAC)
- Mixed Rhyolite sand – surface modified zeolite – granular activated carbon – peat moss (R-SMZ-GAC-PM)
- Layered site filter sand – site zeolite – granular activated carbon (S-Z-GAC layered)

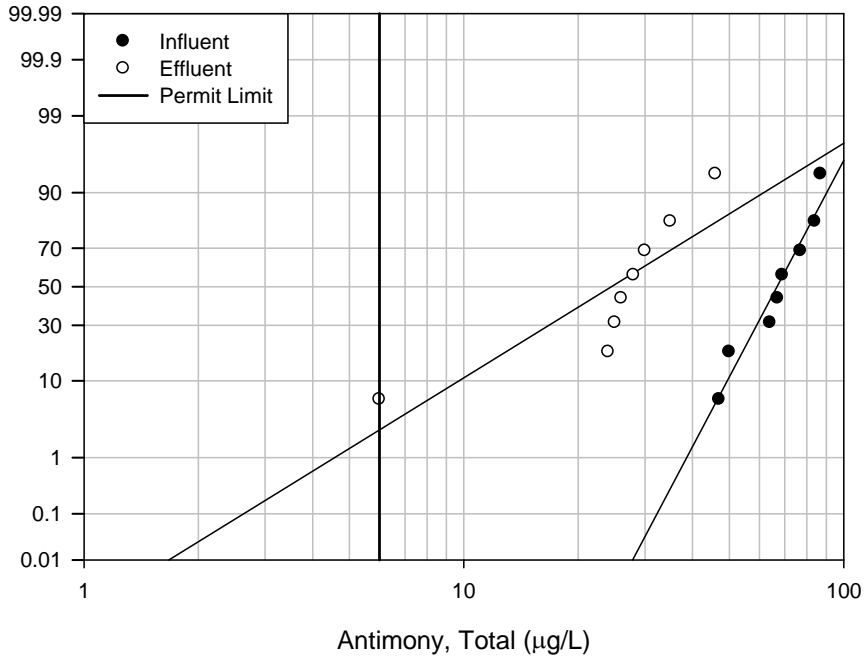
The locations of the major sections, by constituent, of Appendix A5 are:

Antimony, Total.....	4
Antimony, Filtered.....	9
Arsenic, Total.....	14
Arsenic, Filtered.....	19
Aluminum, Total.....	24
Aluminum, Filtered.....	29
Boron, Total	34
Boron, Filtered	39
Calcium, Total.....	44
Calcium, Filtered.....	49
Cadmium, Total	54
Cadmium, Filtered	59
Copper, Total	64
Copper, Filtered	69
Iron, Total	74
Iron, Filtered	79
Magnesium, Total	84
Magnesium, Filtered	89
Manganese, Total.....	94
Manganese, Filtered.....	99
Nickel, Total	104
Nickel, Filtered	109
Lead, Total	114
Lead, Filtered	119
Mercury.....	124
Thallium, Total	126
Thallium, Filtered	131

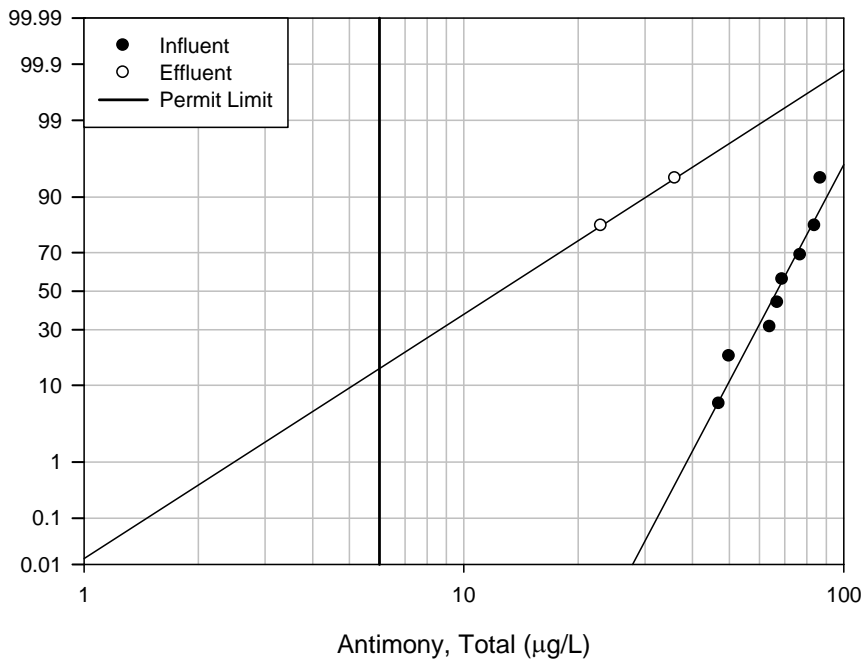
Zinc, Total.....	136
Zinc, Filtered.....	141

Antimony, Total

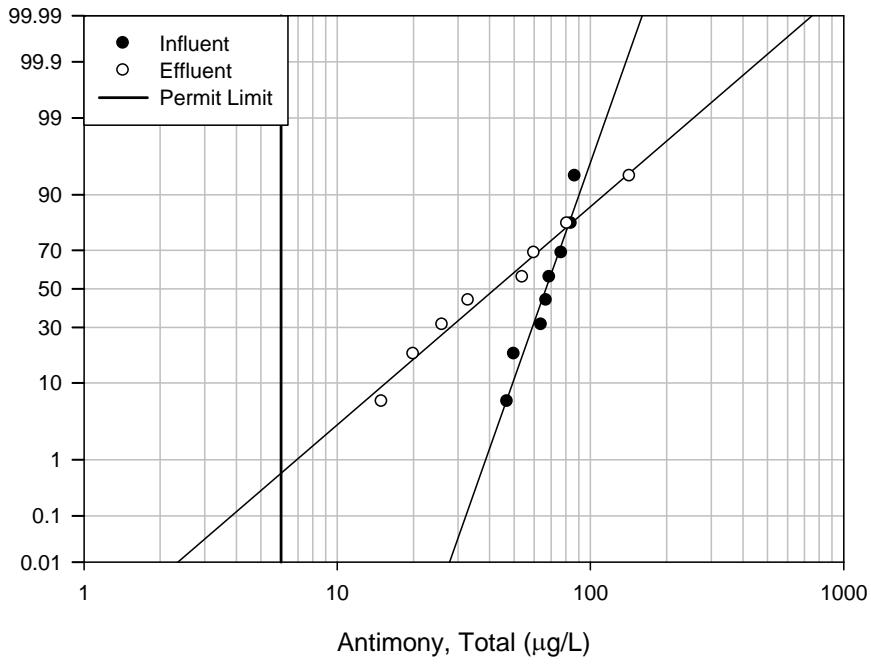
Total Antimony
Granular Activated Carbon (GAC)



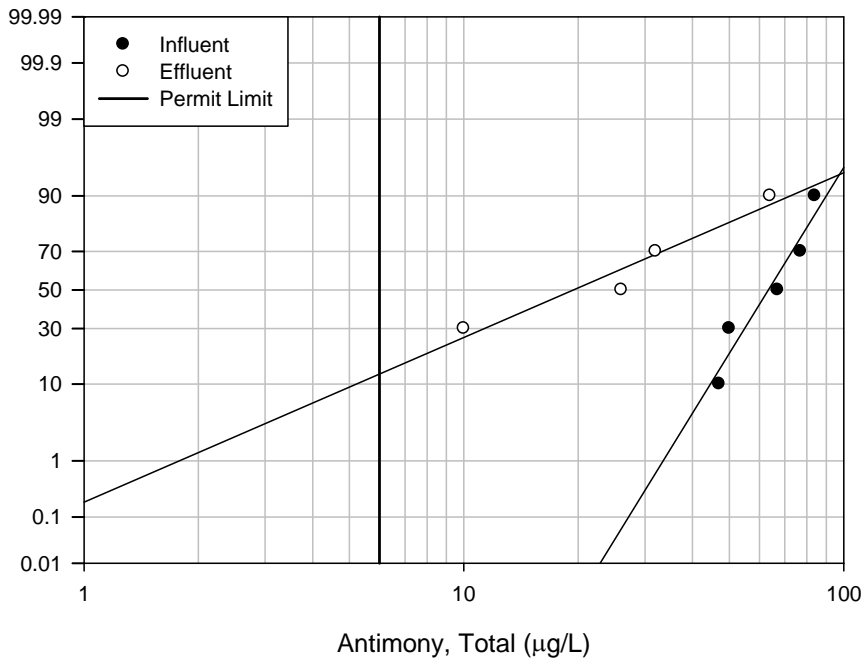
Total Antimony
Peat Moss (P)



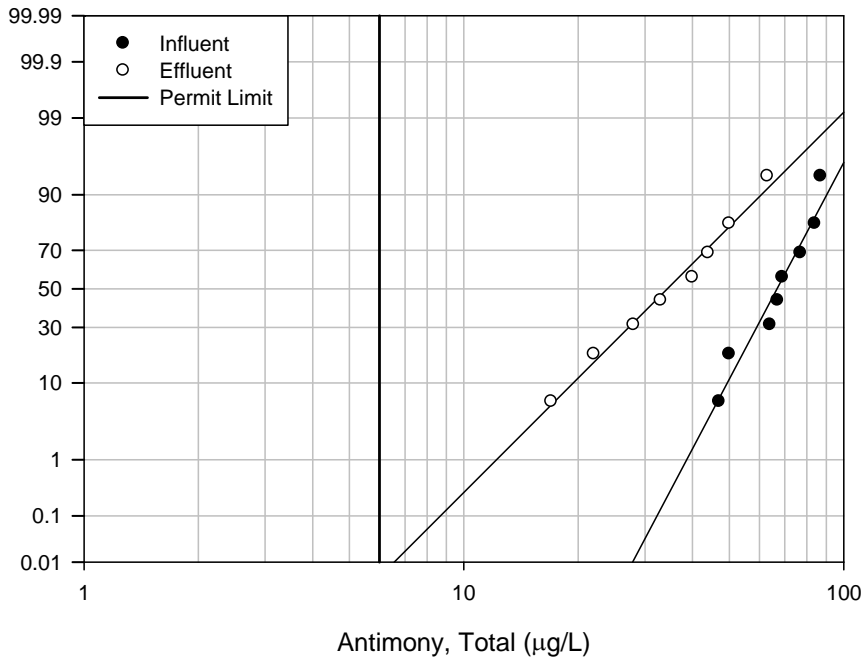
Total Antimony
Rhyolite Sand (R)



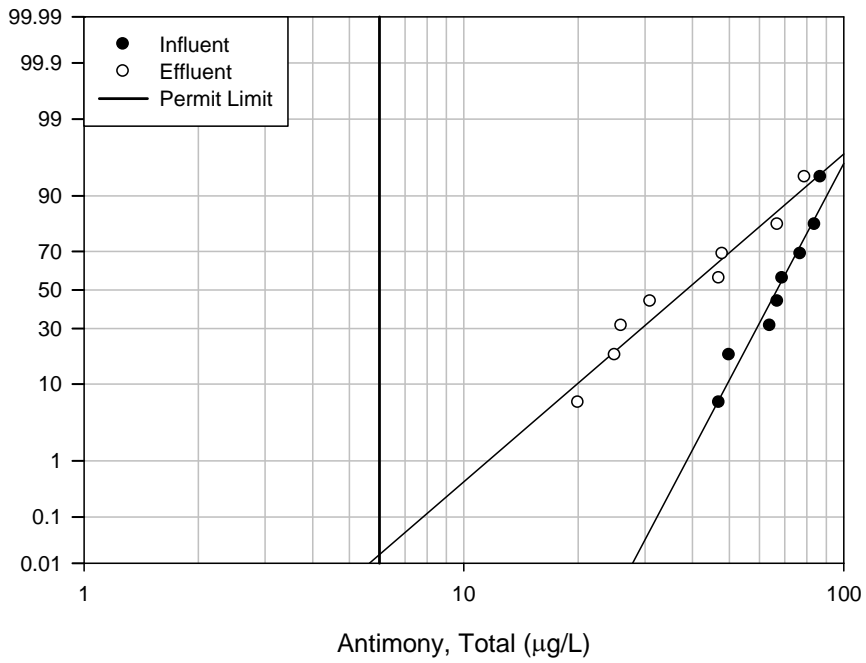
Total Antimony
Site Sand (S)



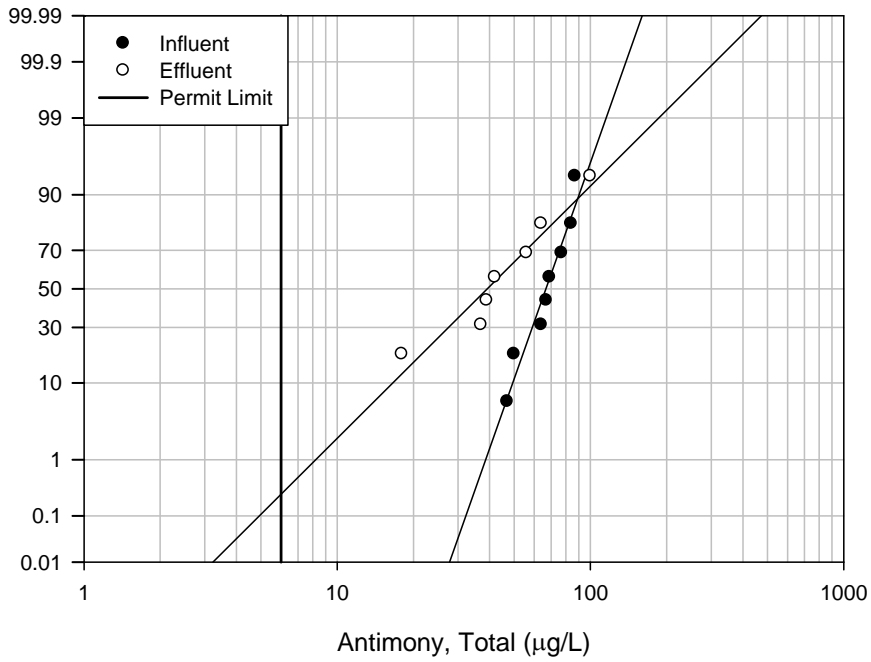
Total Antimony Site Zeolite (Z)



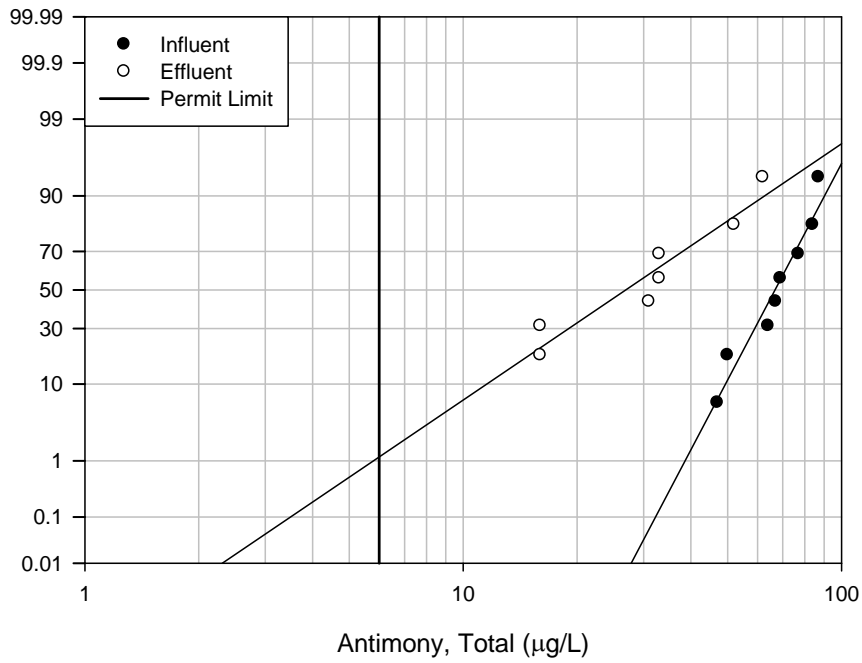
Total Antimony Surface Modified Zeolite (SMZ)



Total Antimony
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

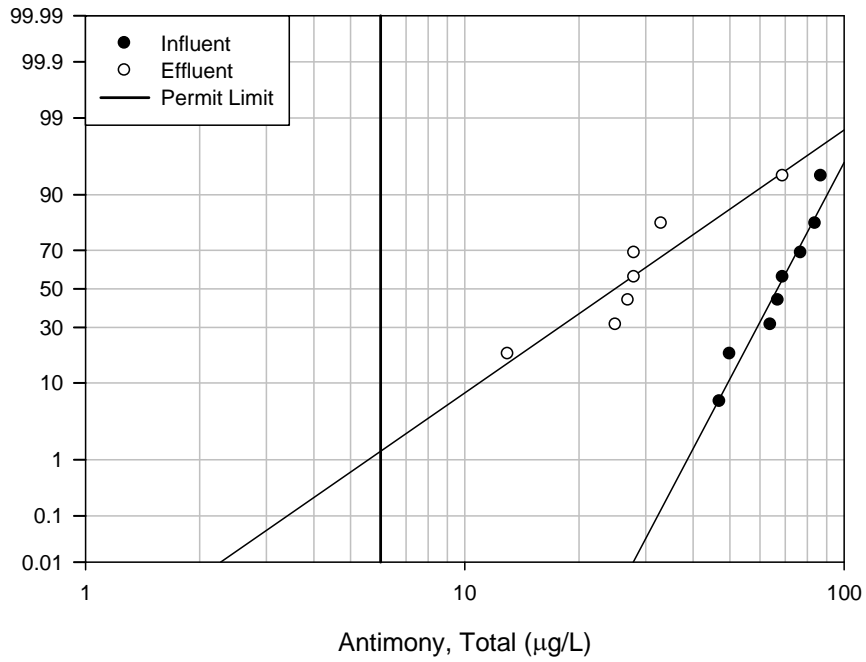


Total Antimony
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



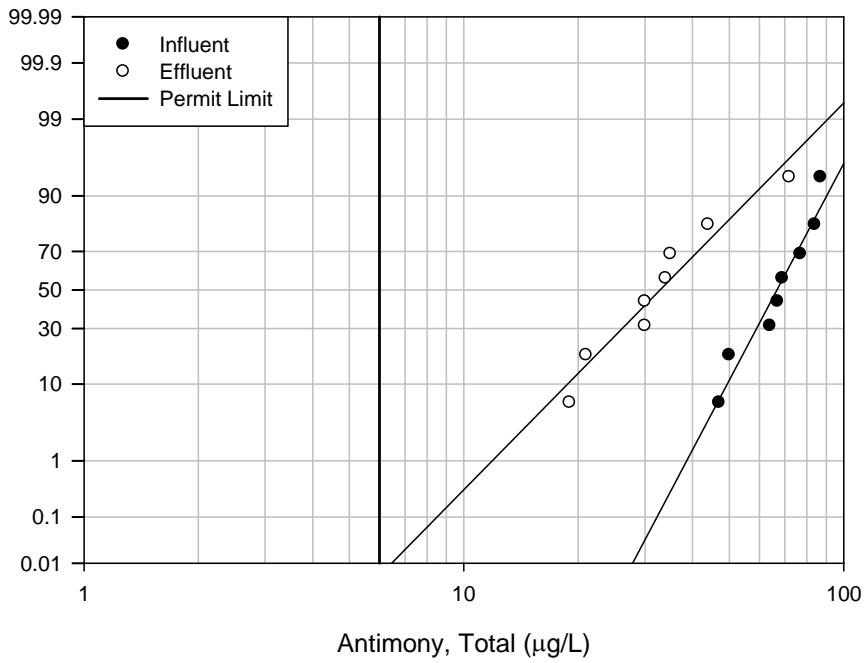
Total Antimony

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



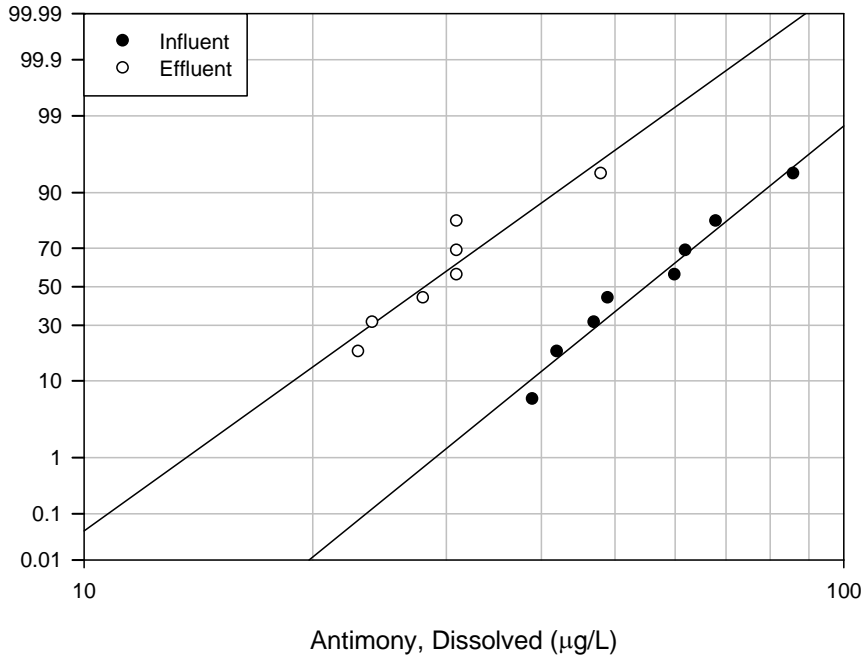
Total Antimony

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

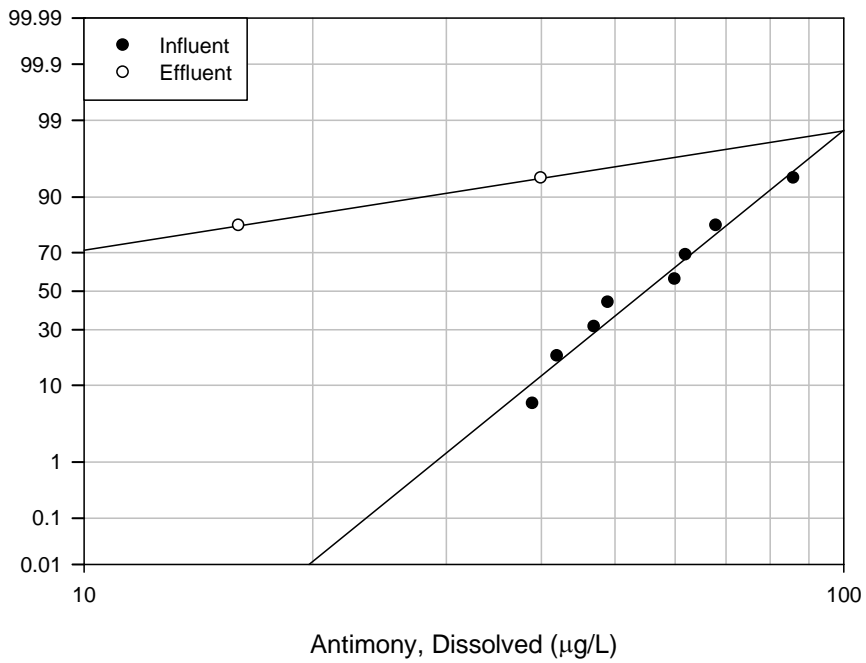


Antimony, Filtered

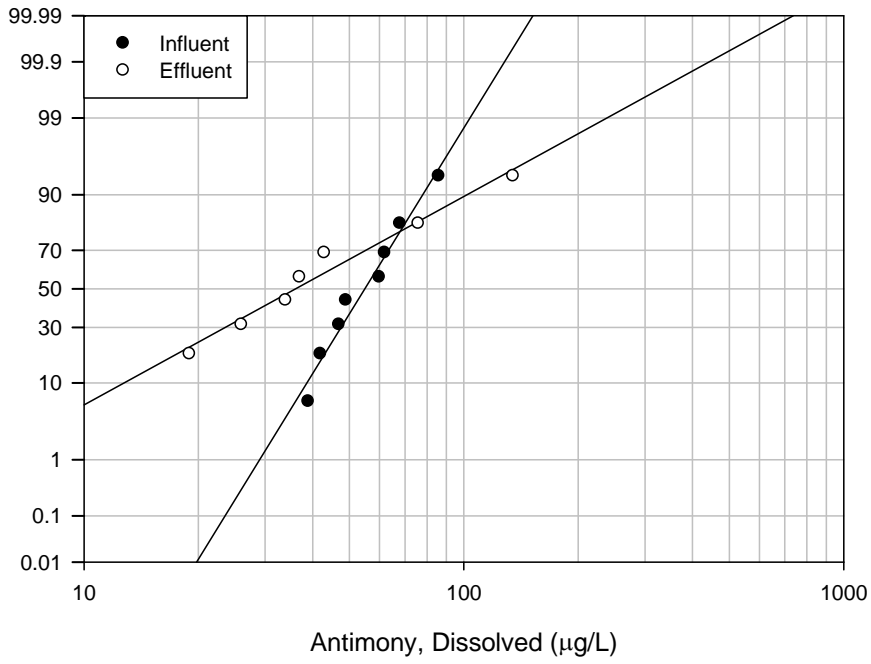
Dissolved Antimony
Granular Activated Carbon (GAC)



Dissolved Antimony
Peat Moss (P)



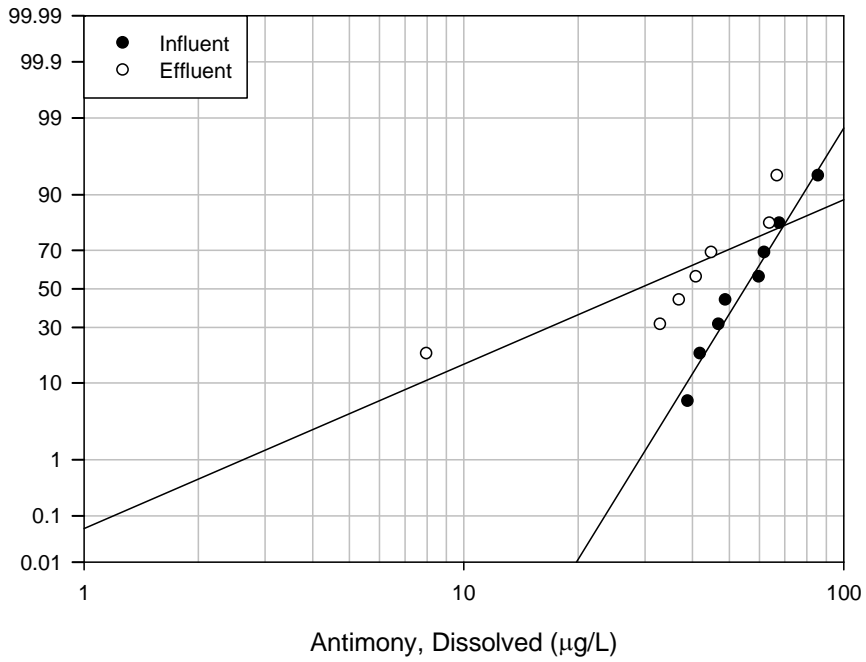
Dissolved Antimony Rhyolite Sand (R)



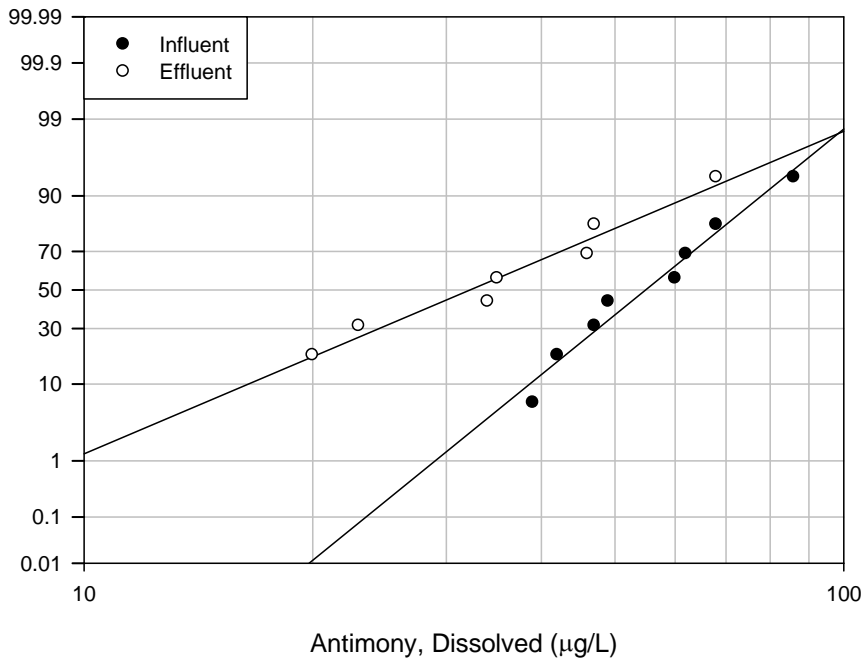
Dissolved Antimony Site Sand (S)



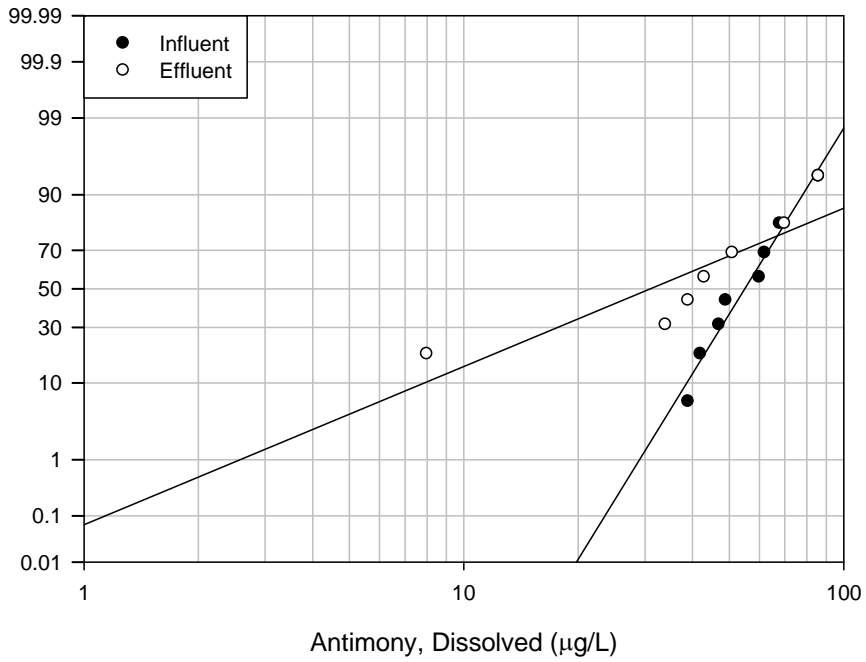
Dissolved Antimony Site Zeolite (Z)



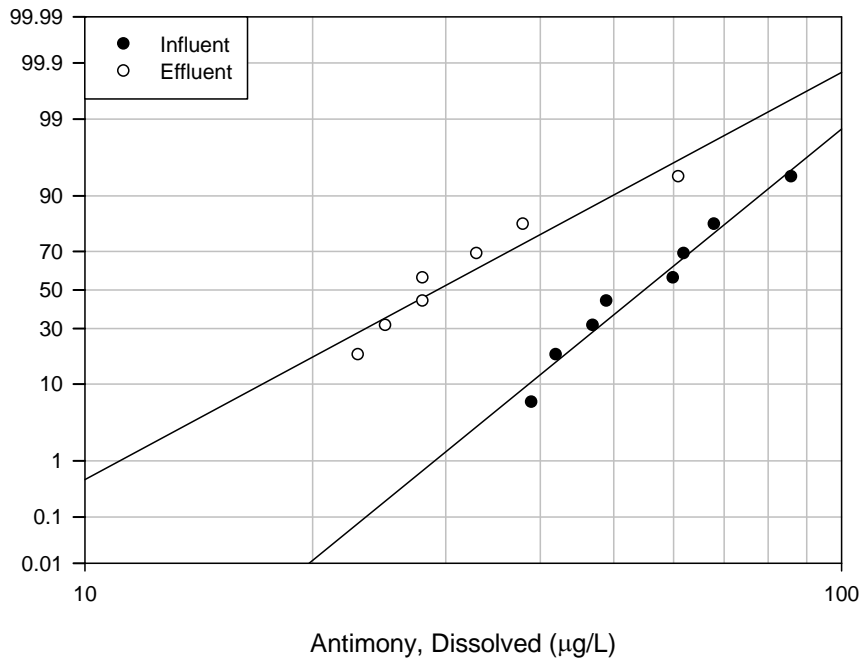
Dissolved Antimony Surface Modified Zeolite (SMZ)



Dissolved Antimony
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

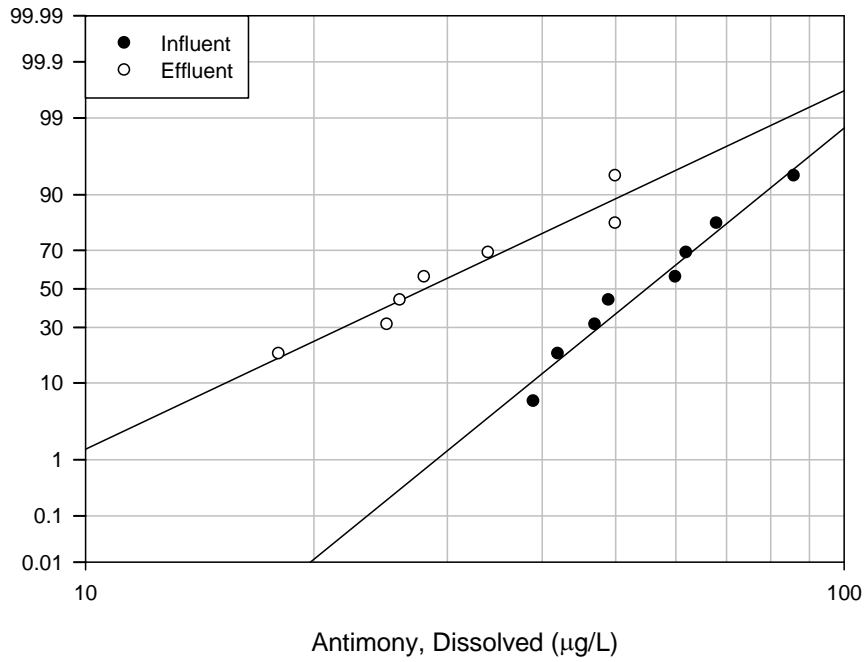


Dissolved Antimony
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



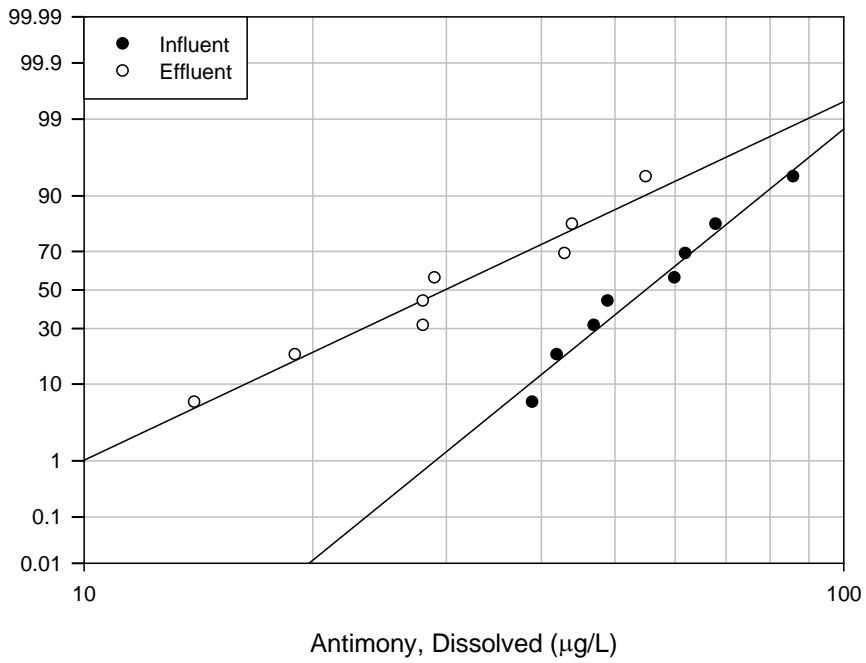
Dissolved Antimony

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



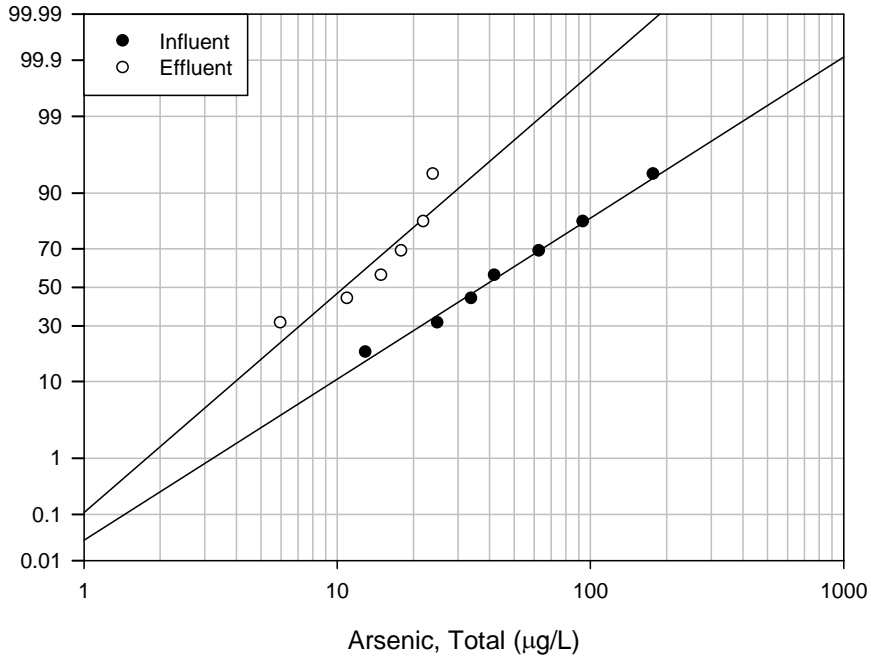
Dissolved Antimony

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

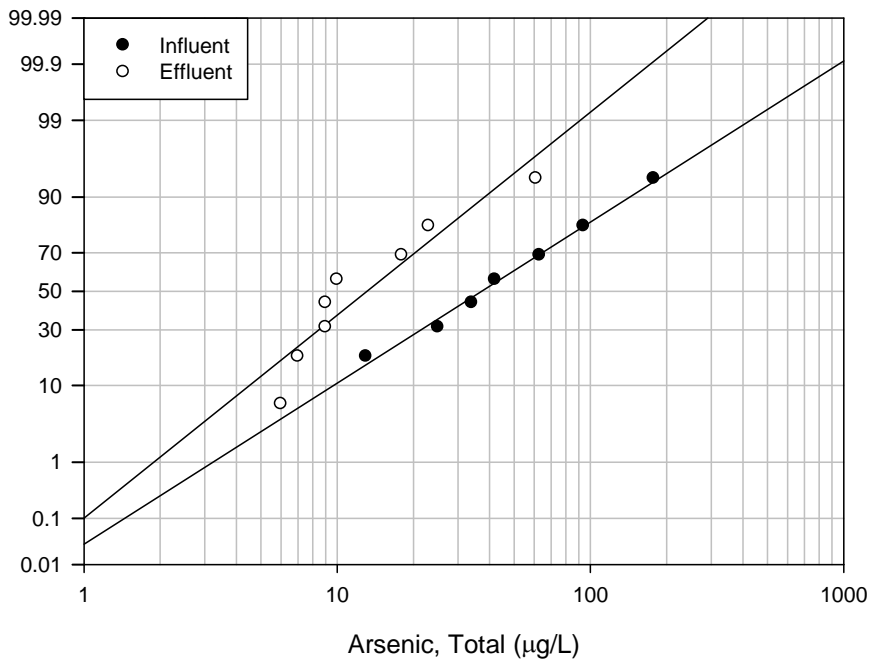


Arsenic, Total

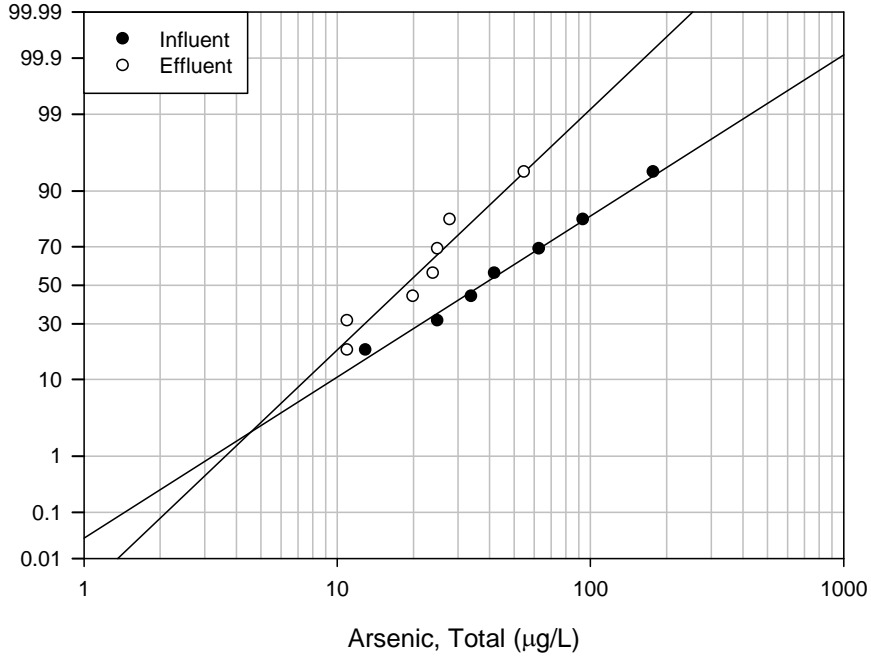
Total Arsenic
Granular Activated Carbon (GAC)



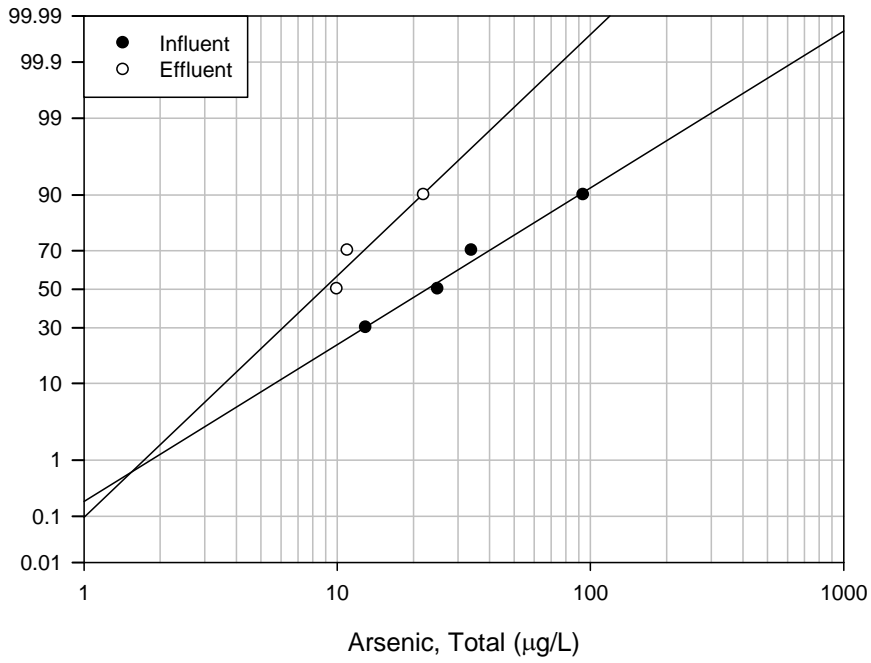
Total Arsenic
Peat Moss (P)



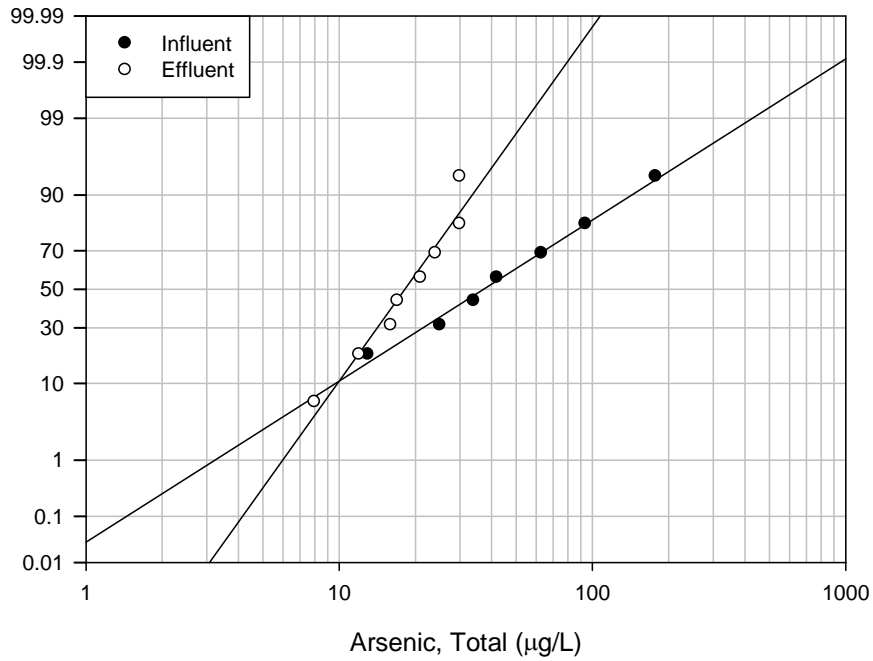
Total Arsenic
Rhyolite Sand (R)



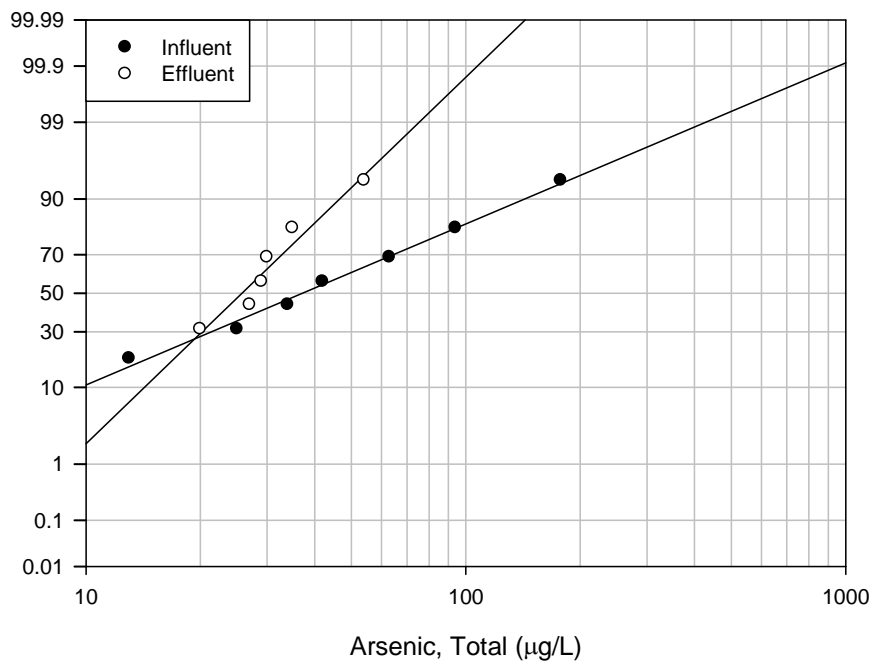
Total Arsenic
Site Sand (S)



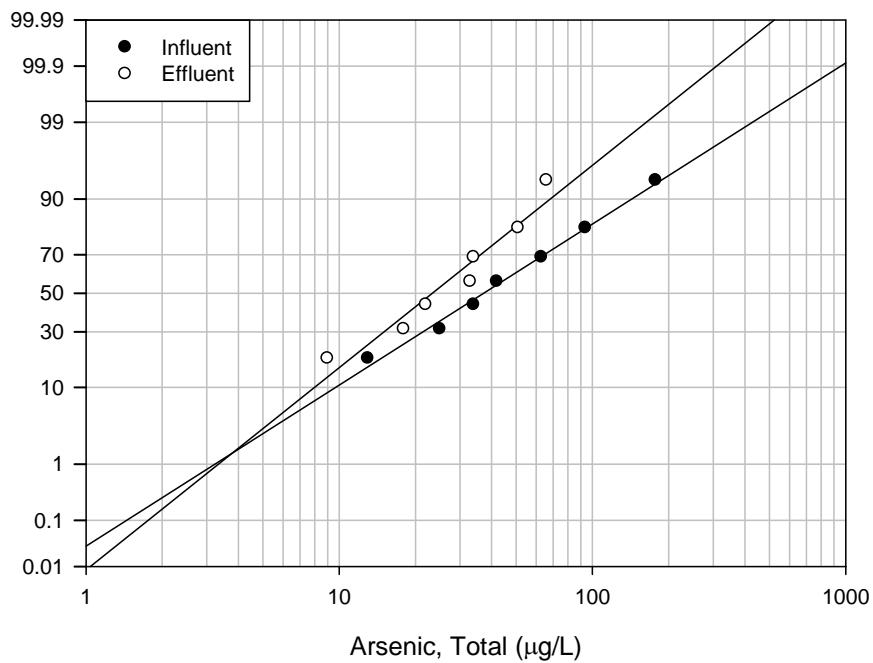
Total Arsenic
Site Zeolite (Z)



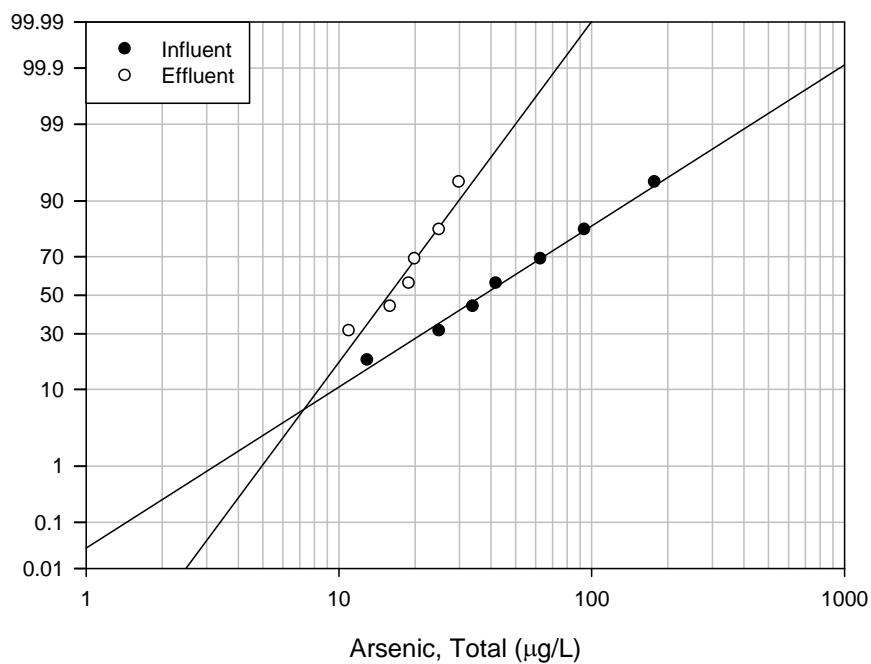
Total Arsenic
Surface Modified Zeolite (SMZ)



Total Arsenic
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

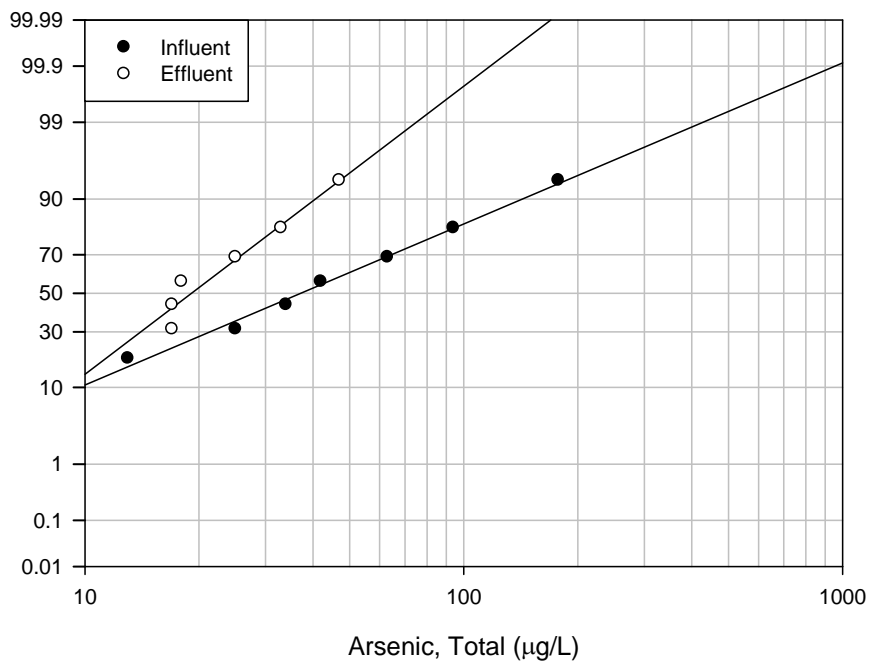


Total Arsenic
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



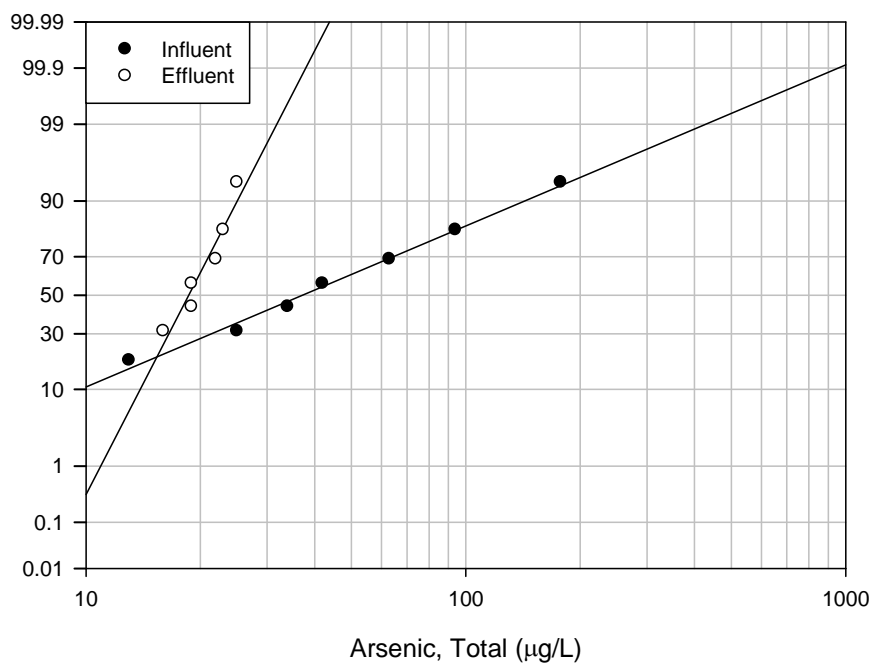
Total Arsenic

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



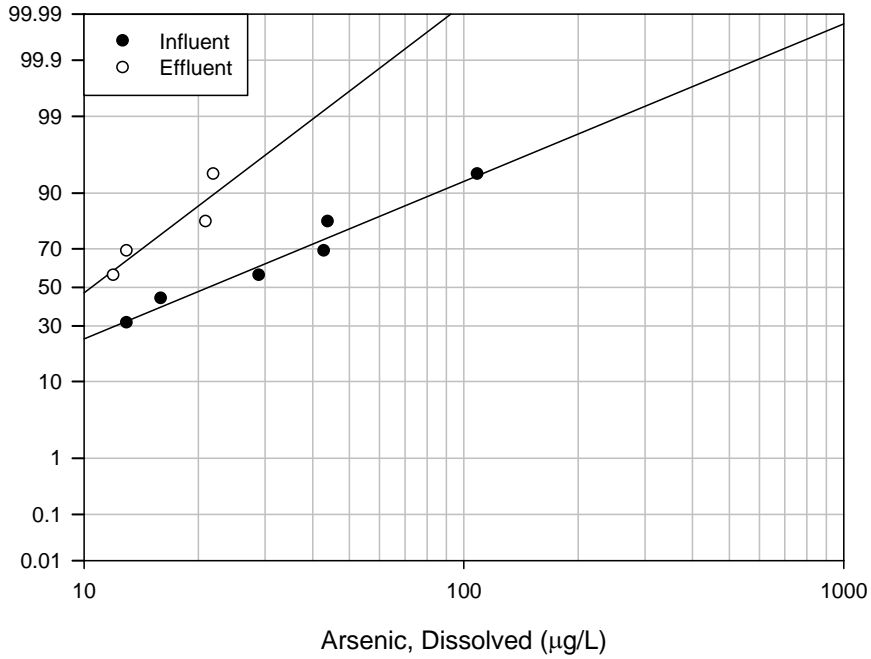
Total Arsenic

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

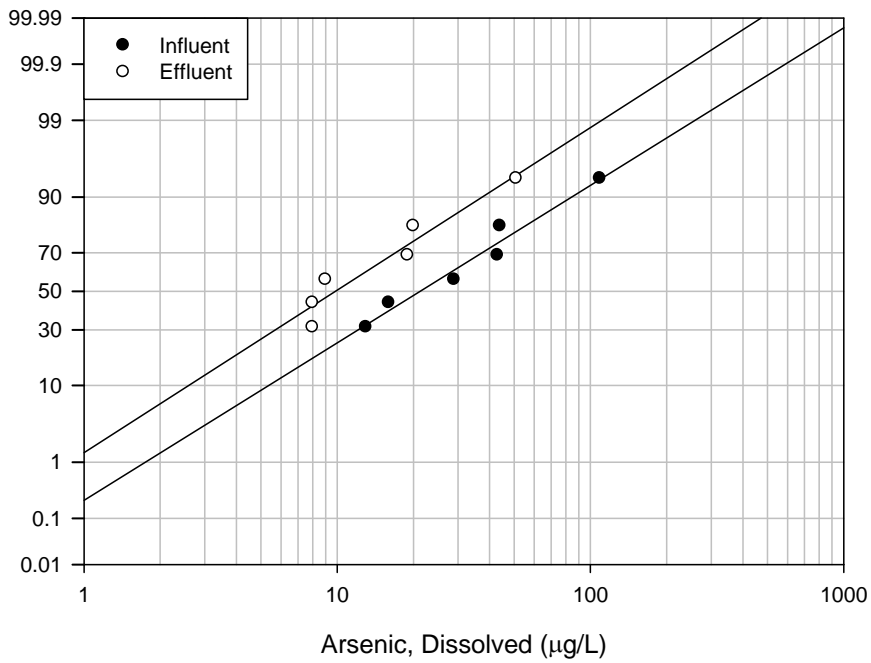


Arsenic, Filtered

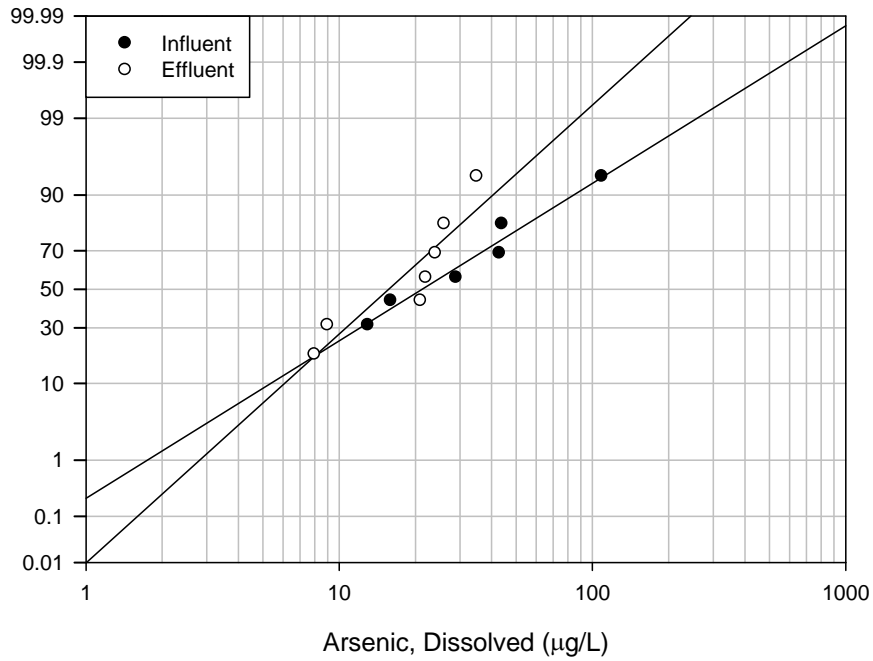
Dissolved Arsenic
Granular Activated Carbon (GAC)



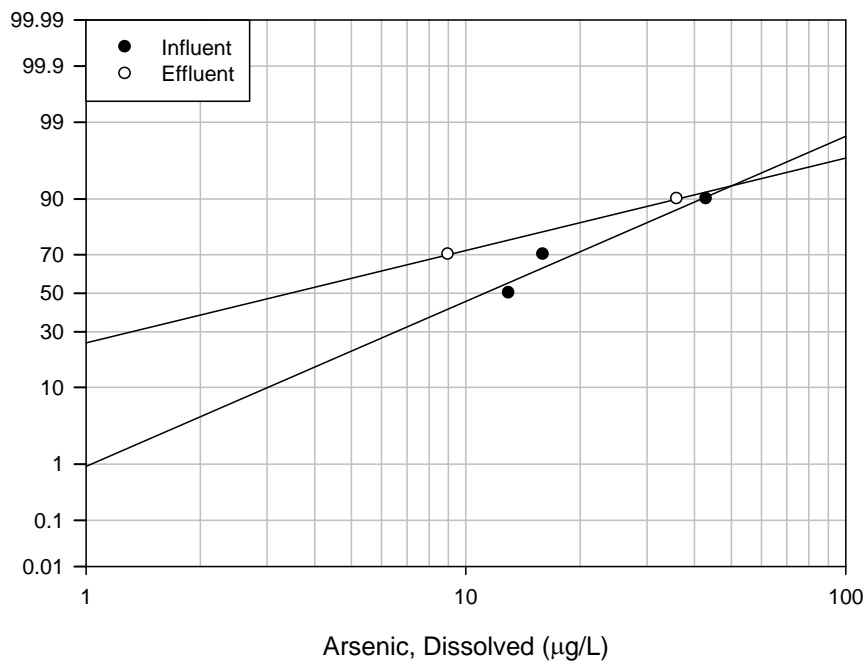
Dissolved Arsenic
Peat Moss (P)



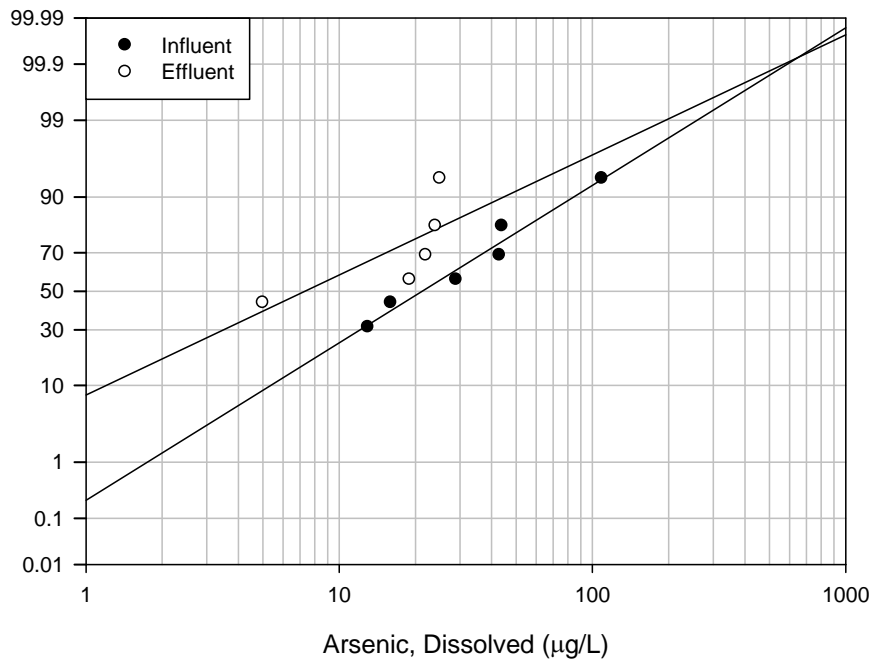
Dissolved Arsenic
Rhyolite Sand (R)



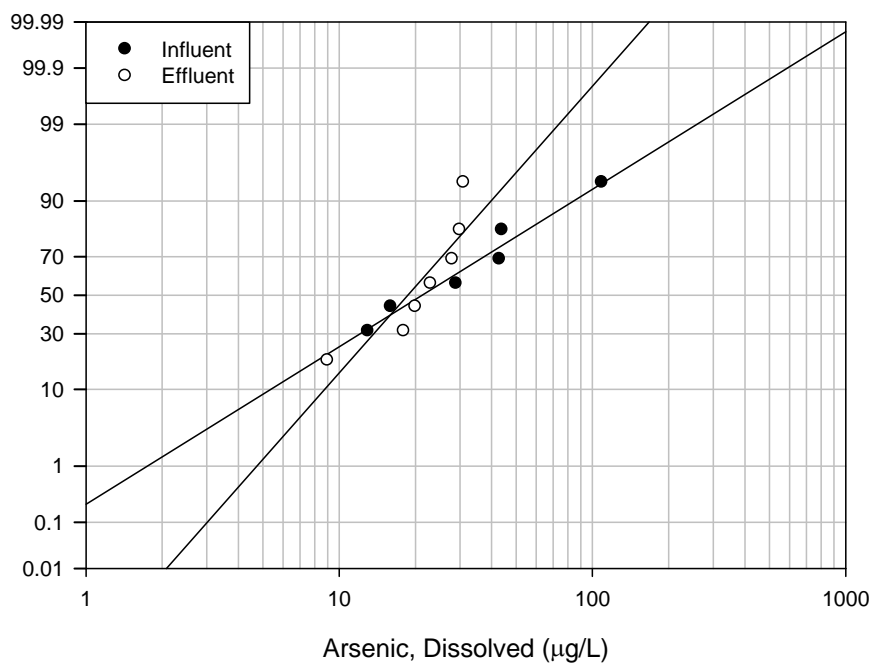
Dissolved Arsenic
Site Sand (S)



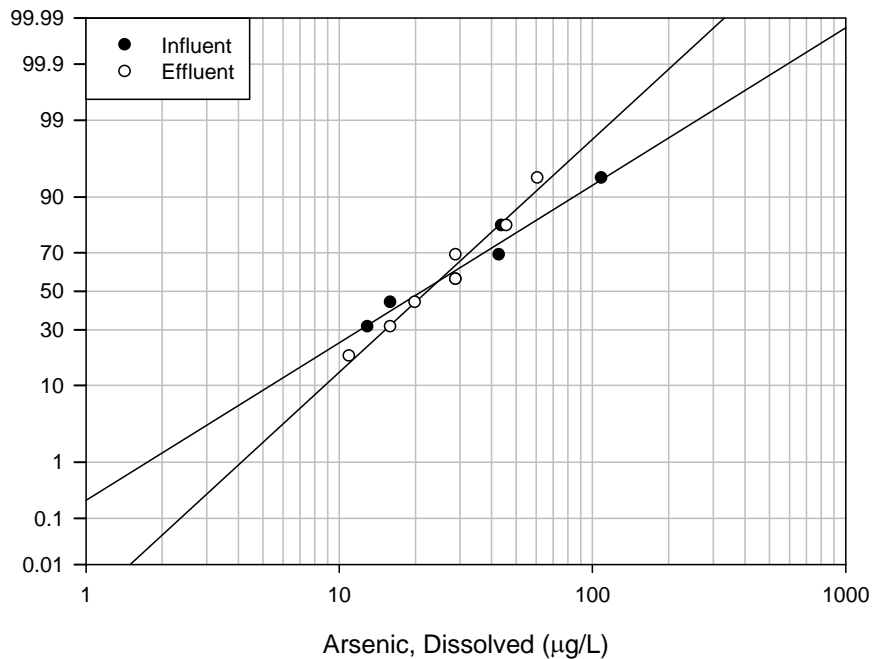
Dissolved Arsenic Site Zeolite (Z)



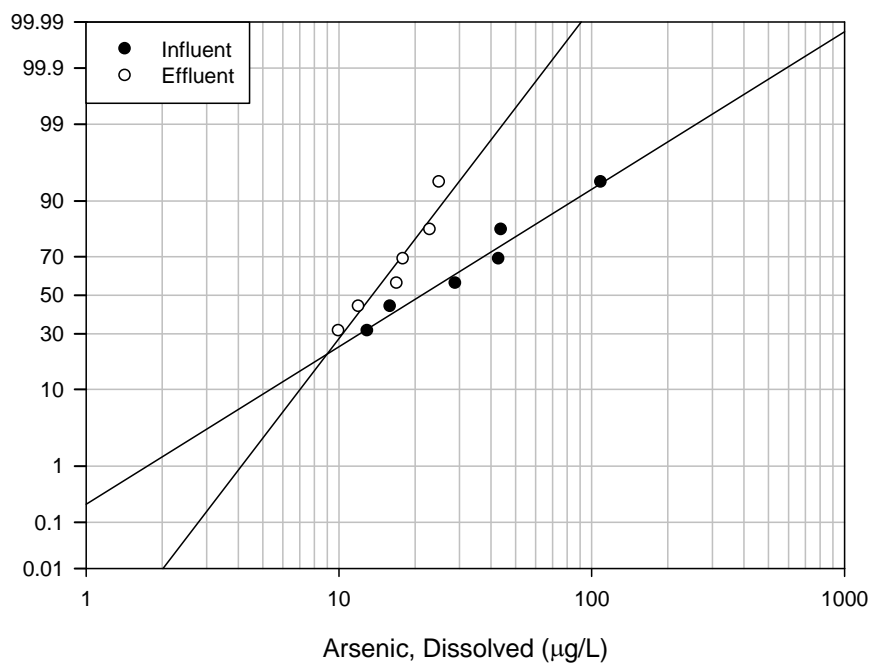
Dissolved Arsenic Surface Modified Zeolite (SMZ)



Dissolved Arsenic
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

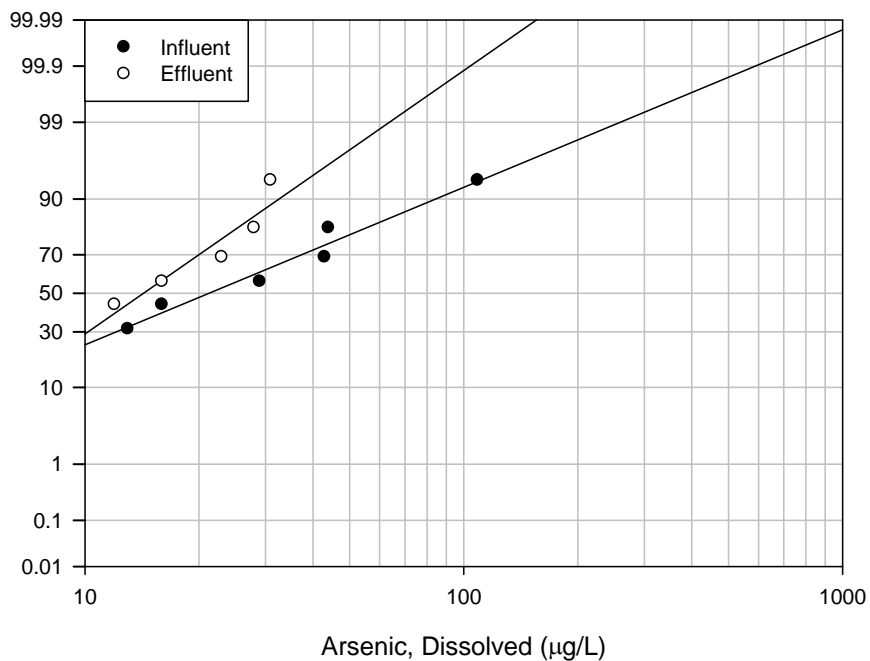


Dissolved Arsenic
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



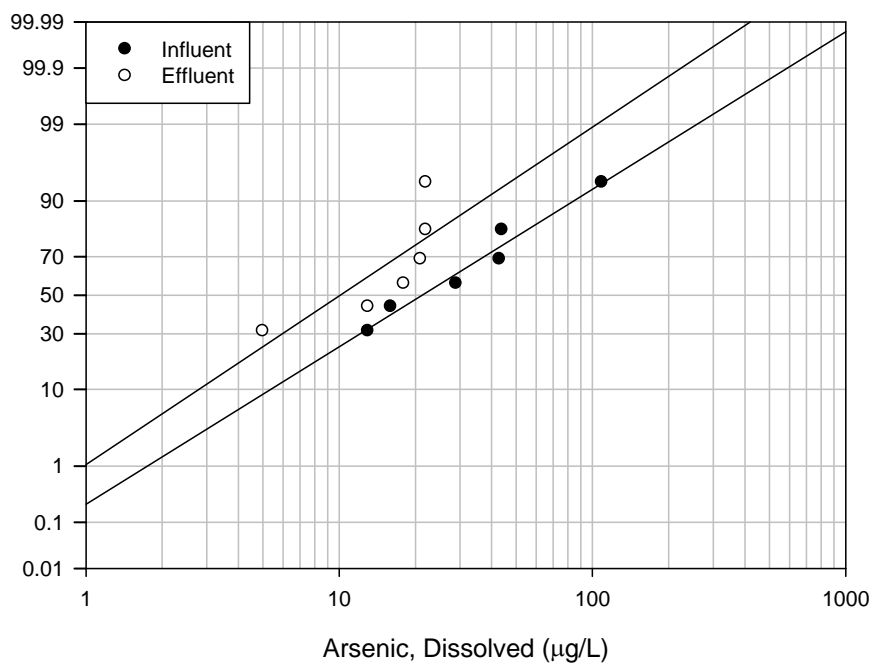
Dissolved Arsenic

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



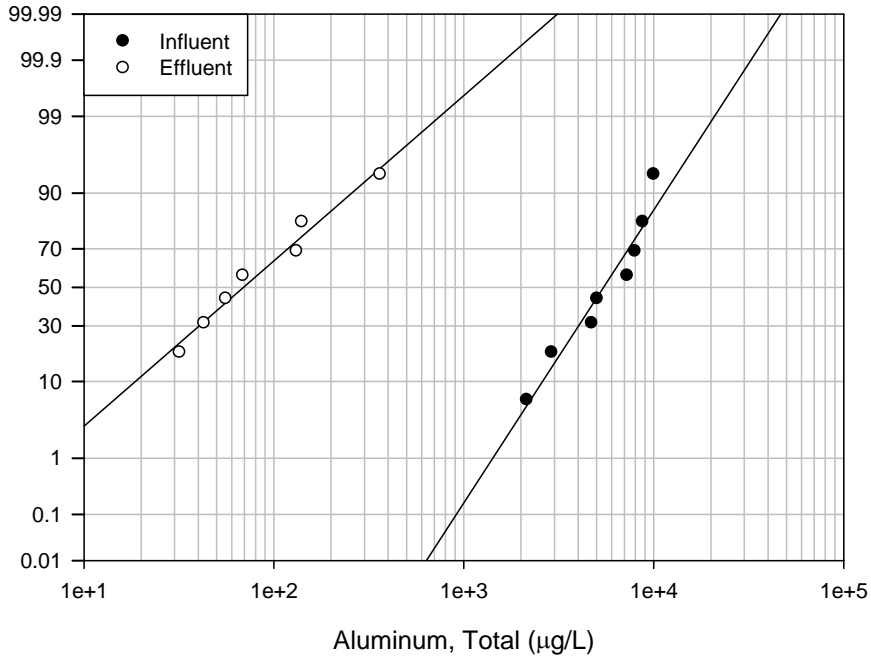
Dissolved Arsenic

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

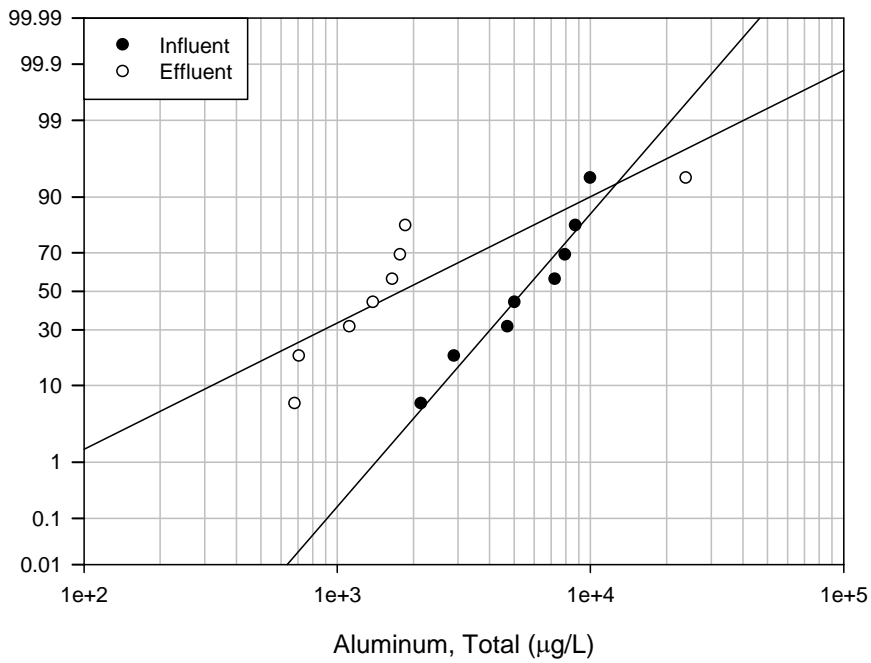


Aluminum, Total

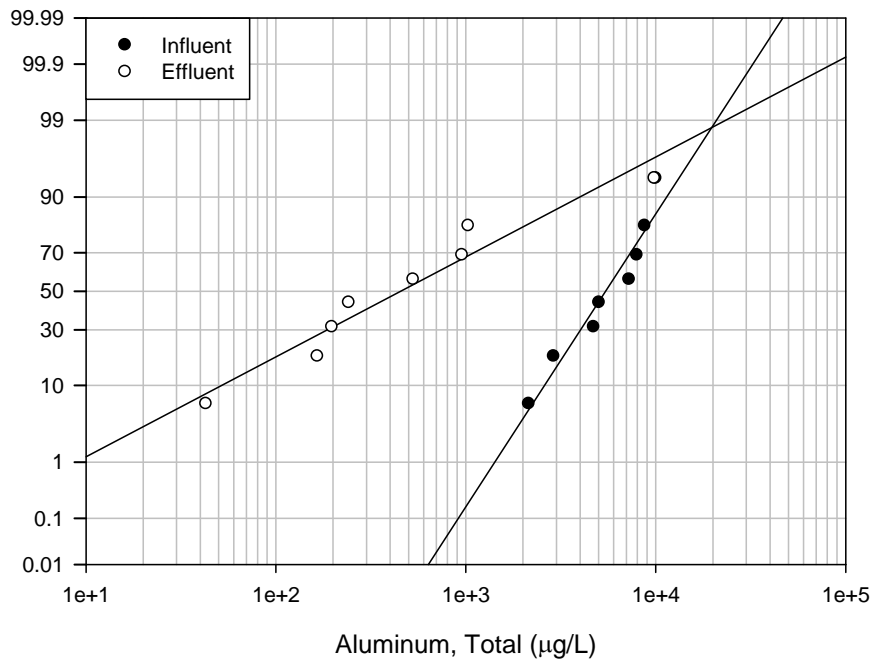
Total Aluminum
Granular Activated Carbon (GAC)



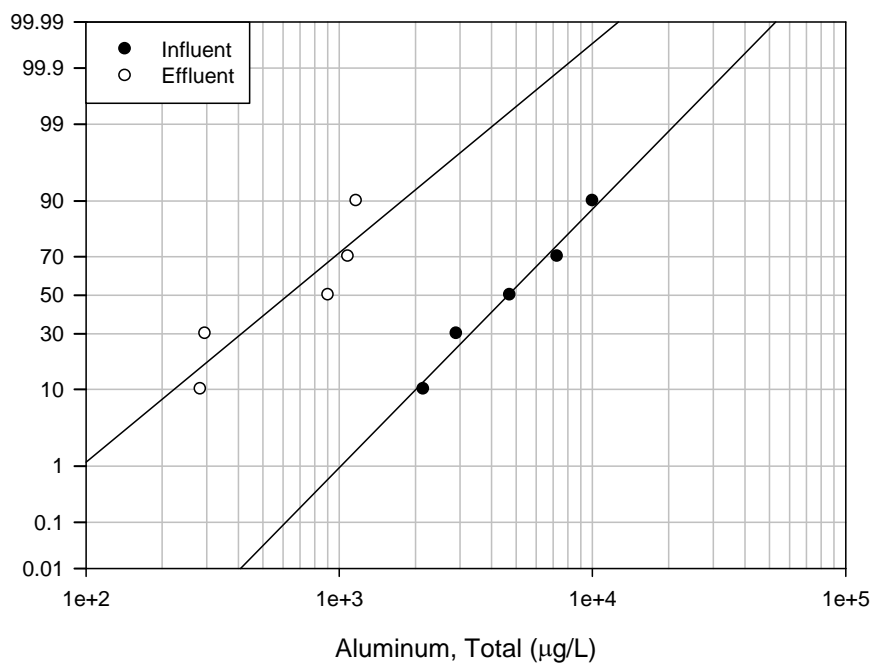
Total Aluminum
Peat Moss (P)



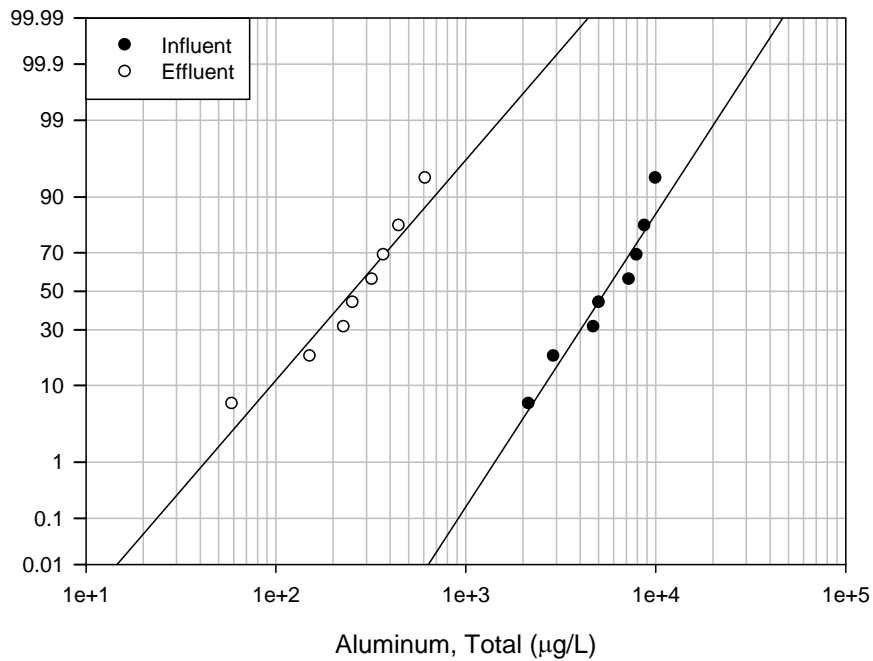
Total Aluminum
Rhyolite Sand (R)



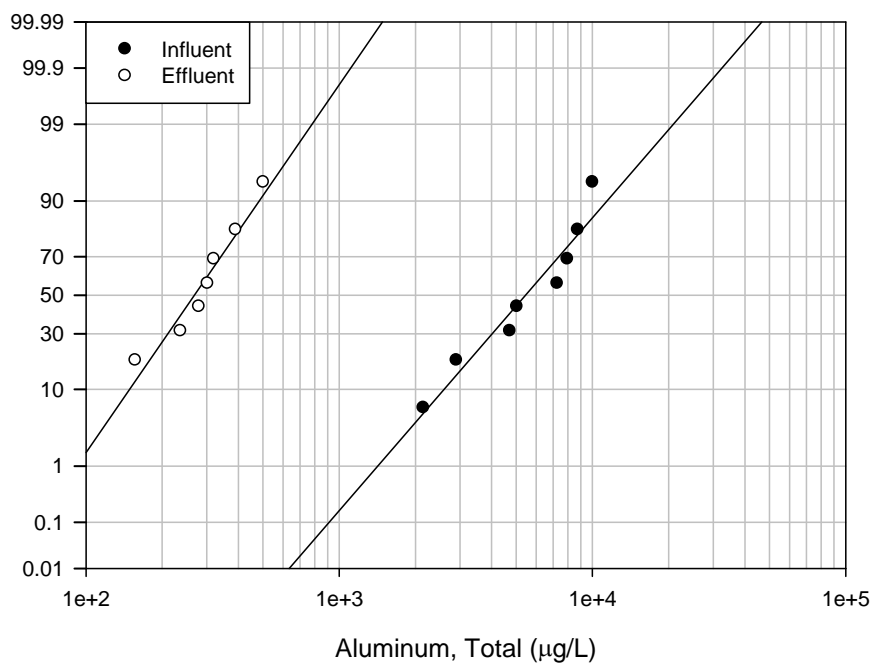
Total Aluminum
Site Sand (S)



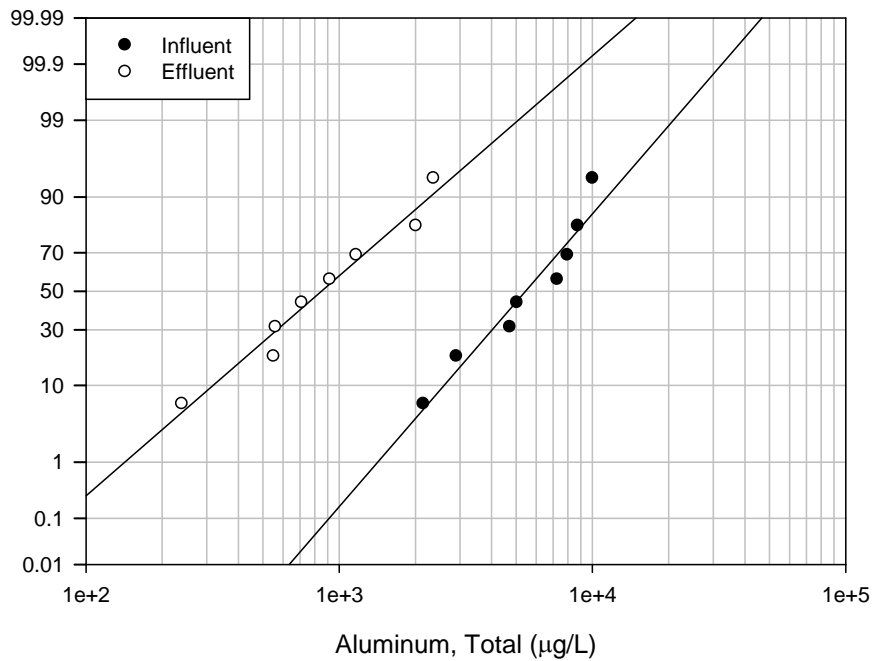
Total Aluminum
Site Zeolite (Z)



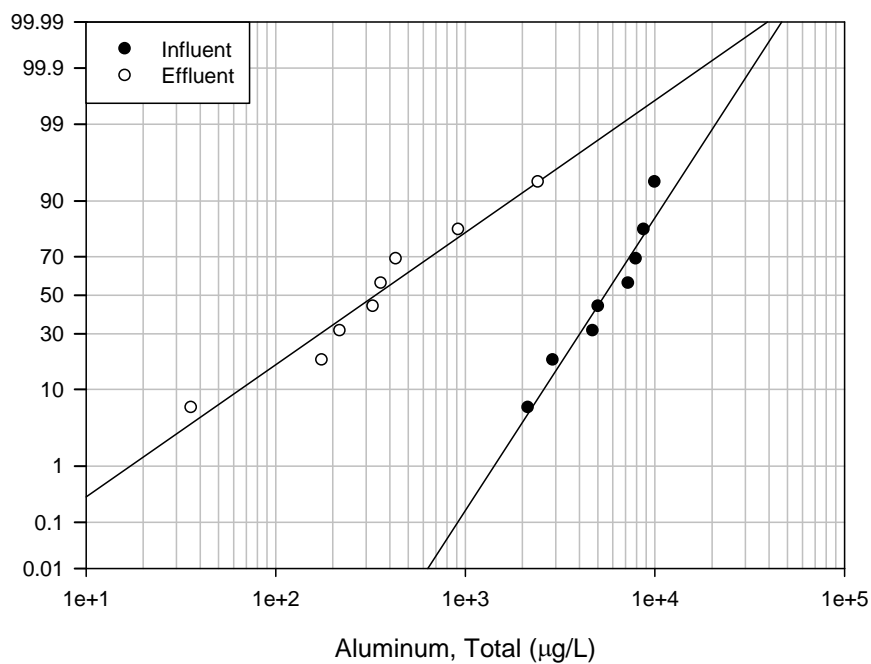
Total Aluminum
Surface Modified Zeolite (SMZ)



Total Aluminum
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

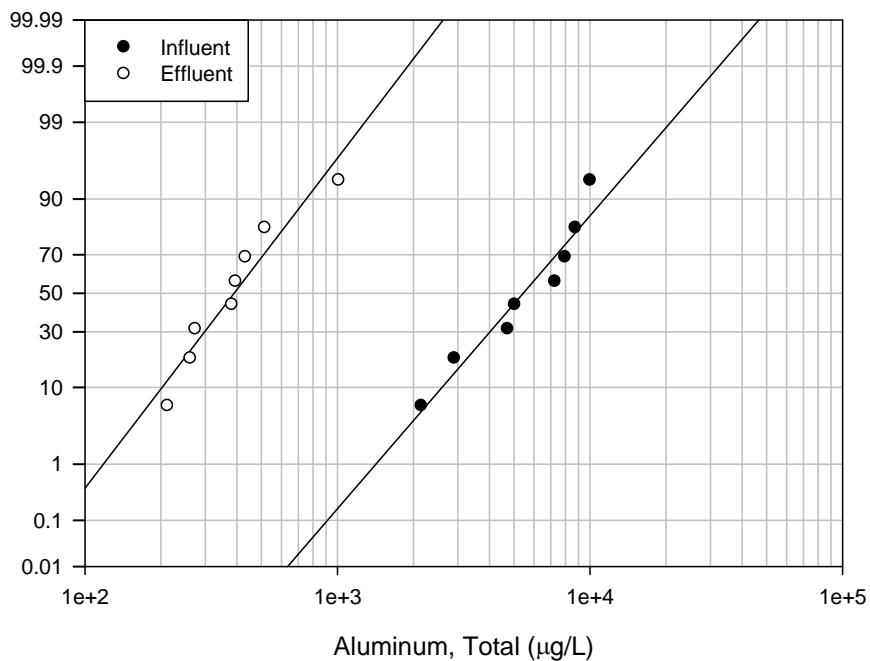


Total Aluminum
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



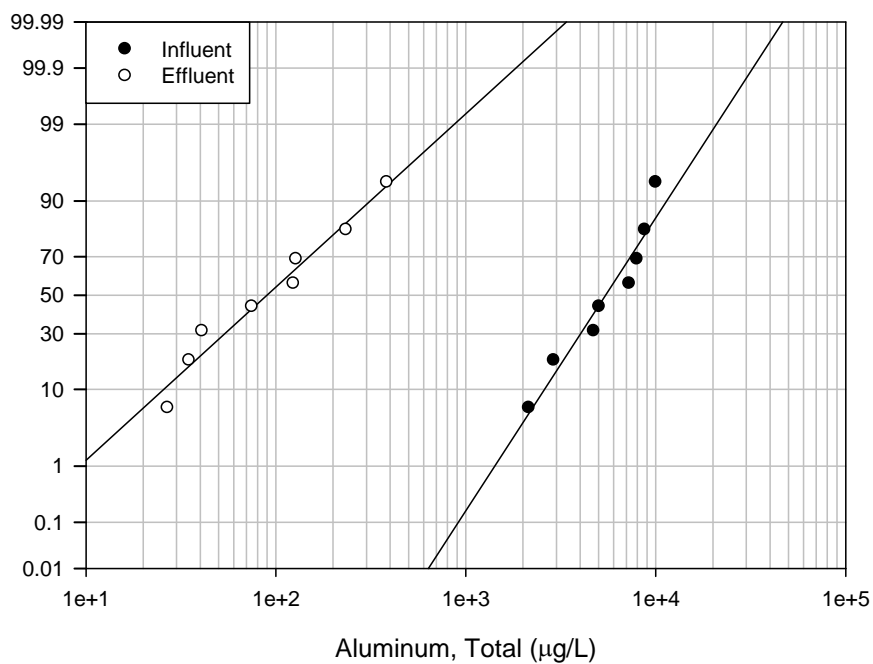
Total Aluminum

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



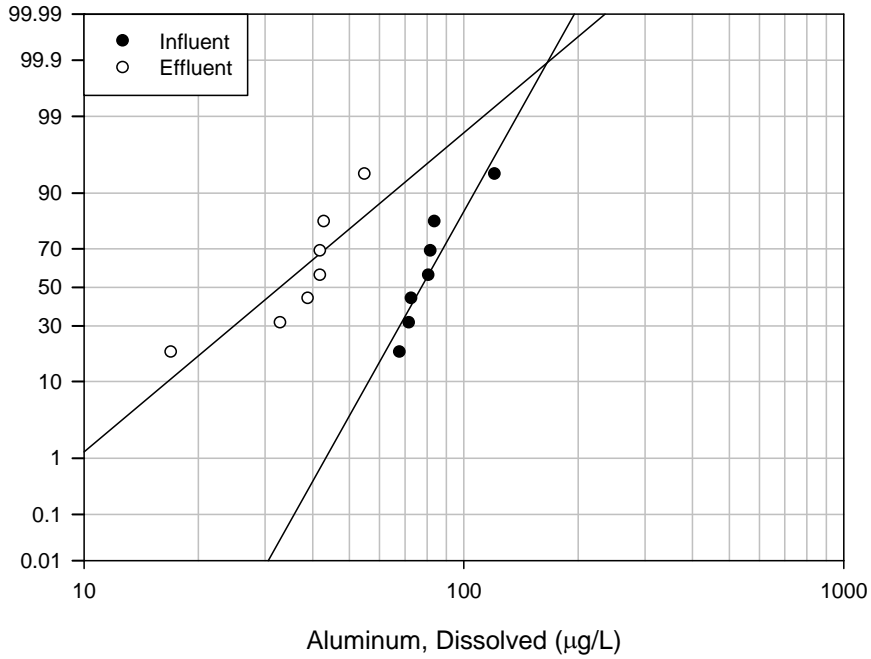
Total Aluminum

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

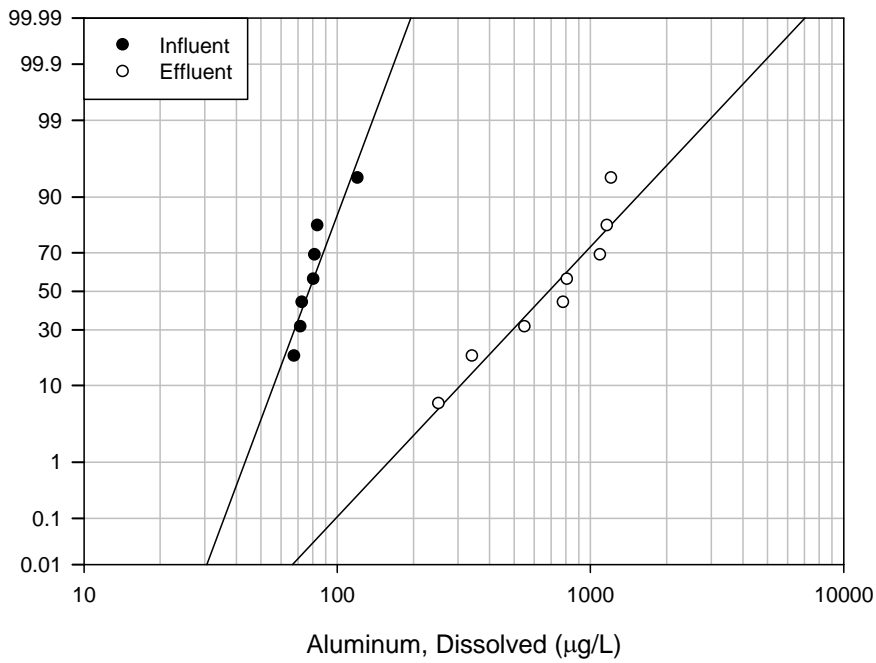


Aluminum, Filtered

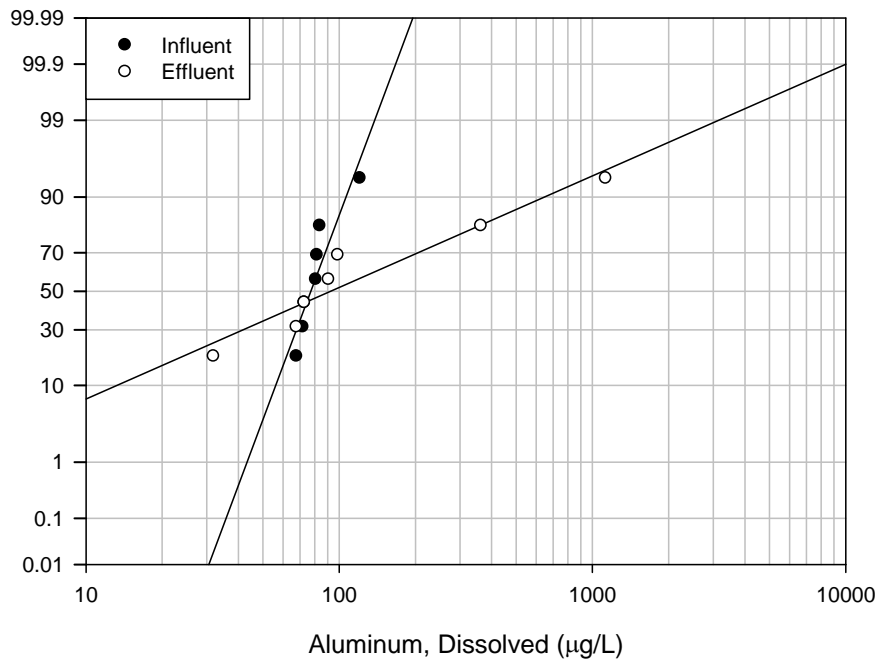
Dissolved Aluminum
Granular Activated Carbon (GAC)



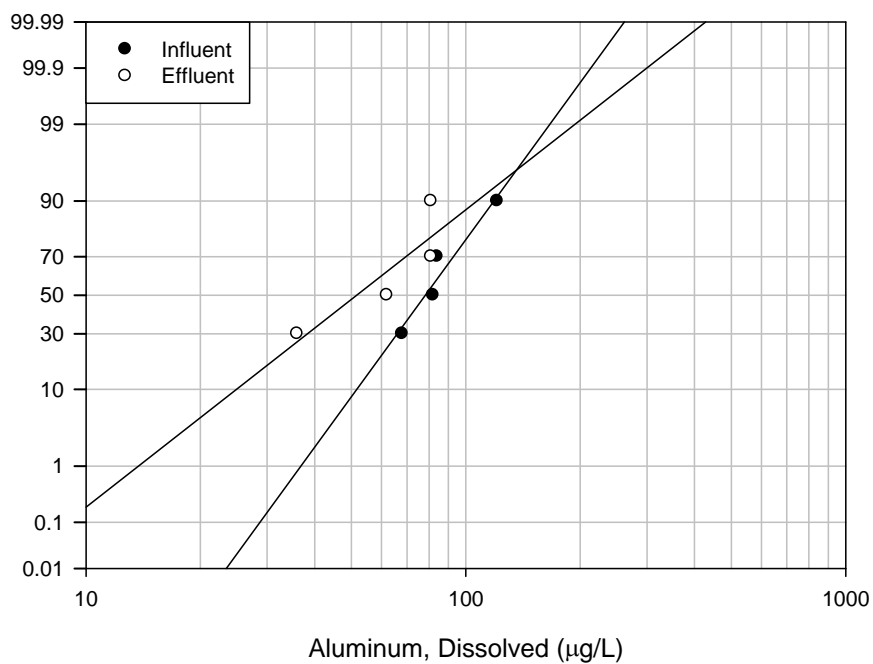
Dissolved Aluminum
Peat Moss (P)



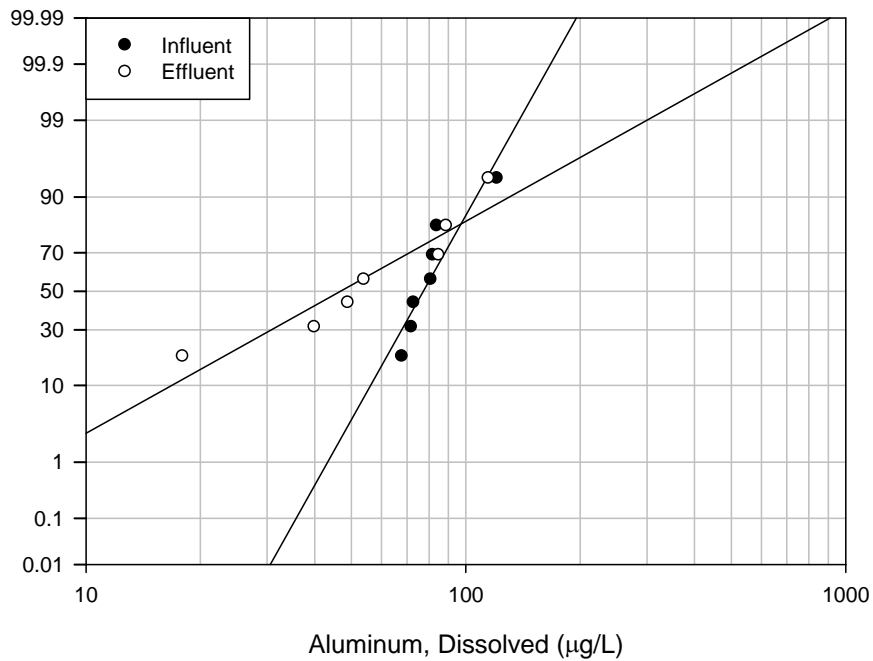
Dissolved Aluminum
Rhyolite Sand (R)



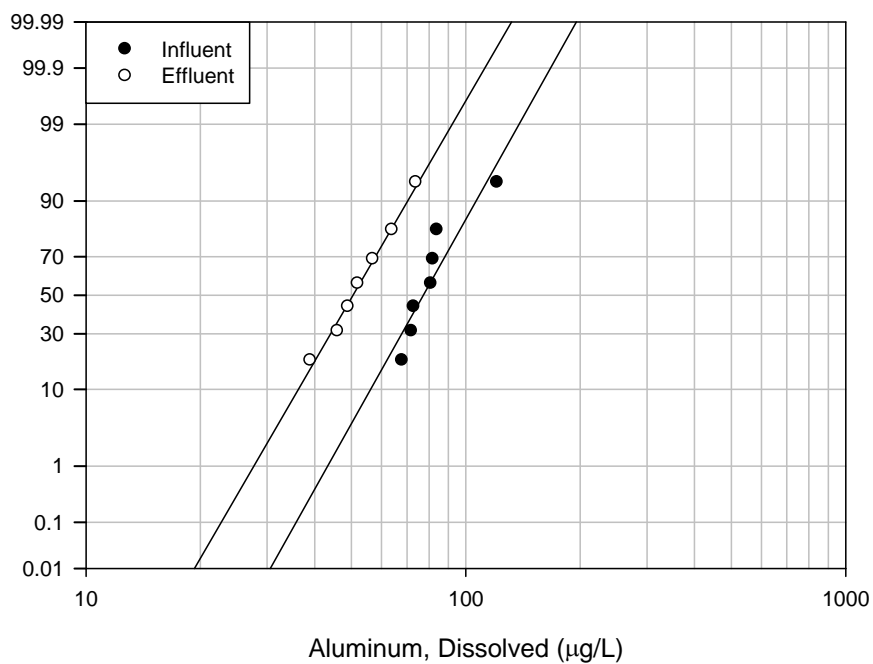
Dissolved Aluminum
Site Sand (S)



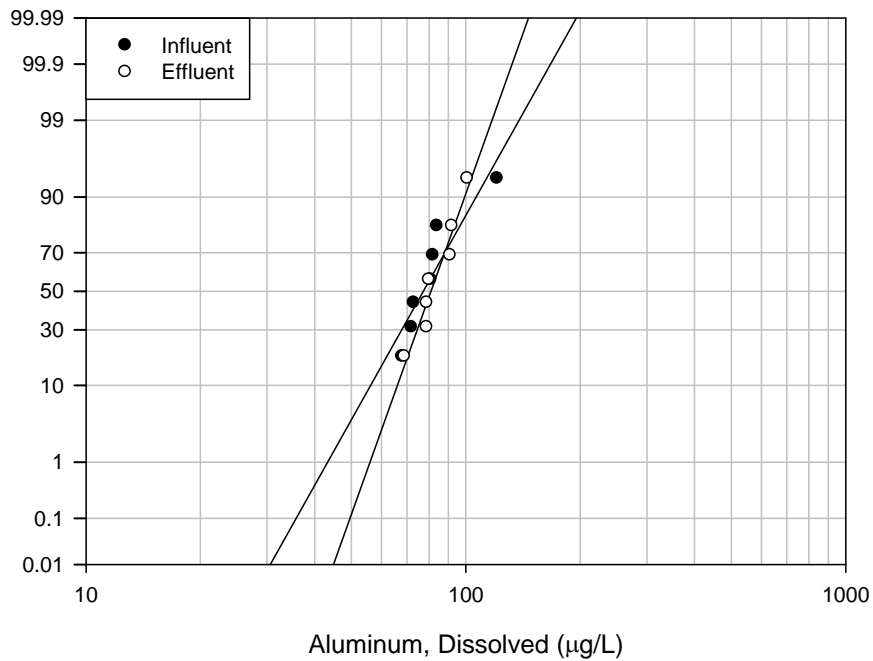
Dissolved Aluminum
Site Zeolite (Z)



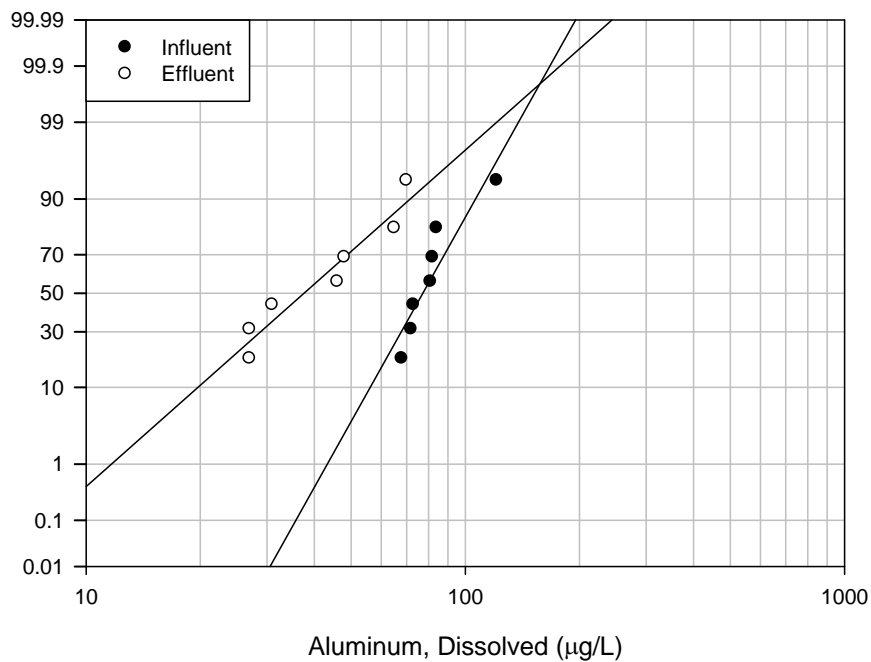
Dissolved Aluminum
Surface Modified Zeolite (SMZ)



Dissolved Aluminum
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

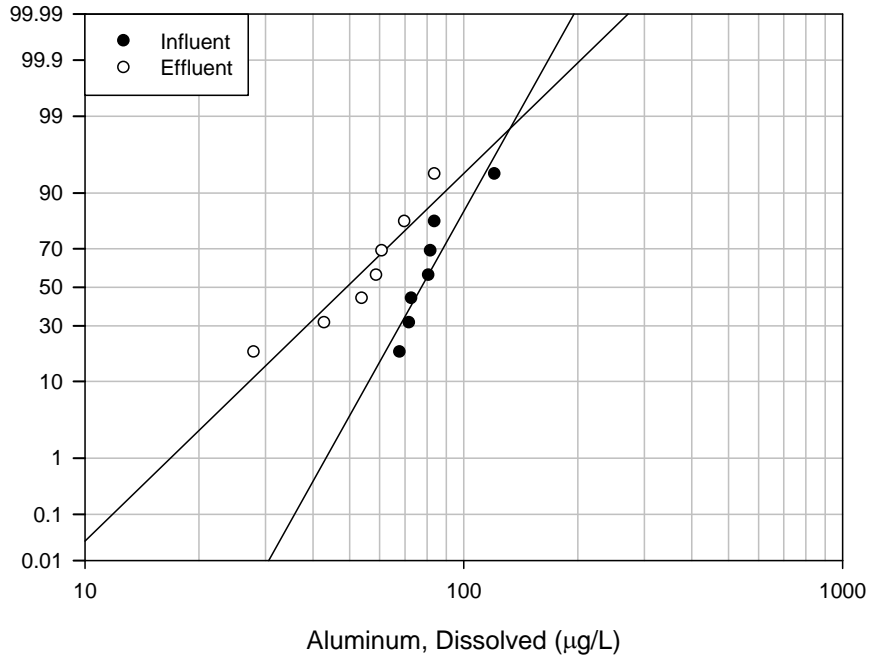


Dissolved Aluminum
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



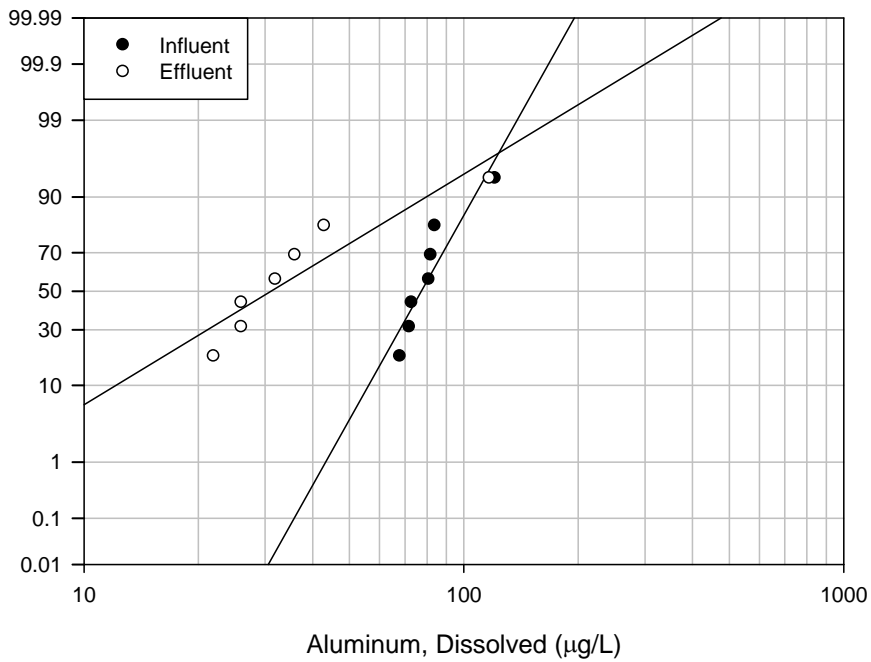
Dissolved Aluminum

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



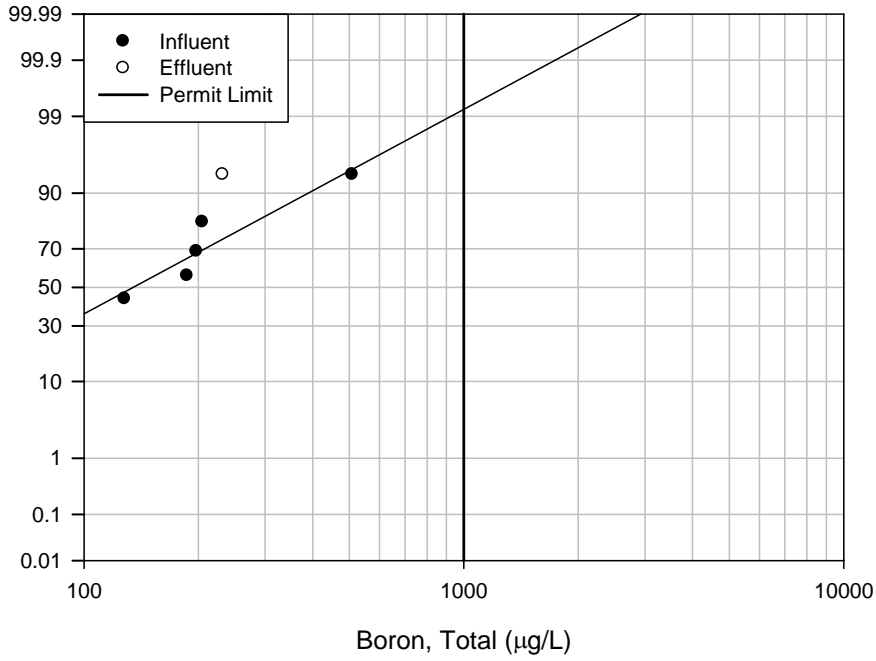
Dissolved Aluminum

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

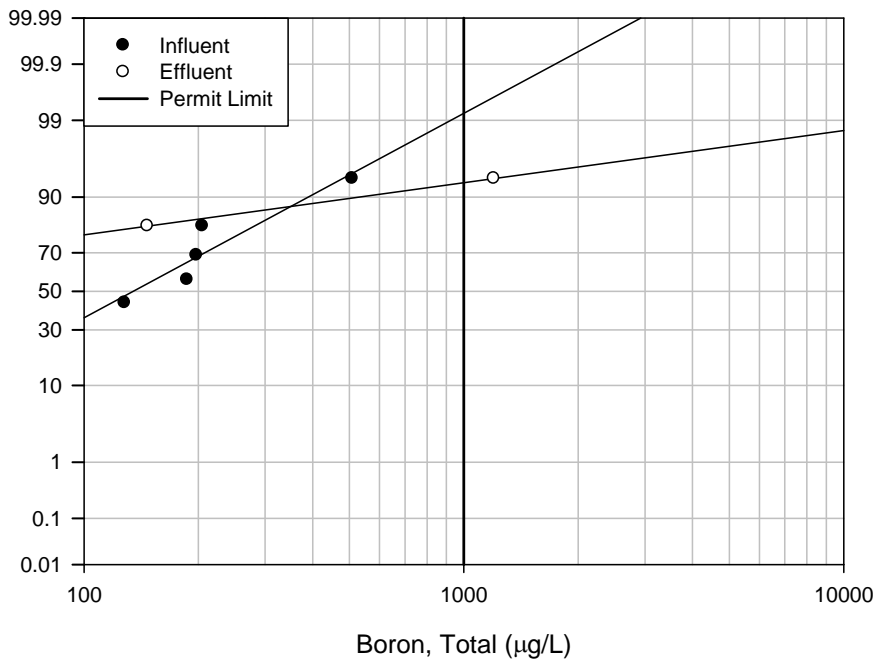


Boron, Total

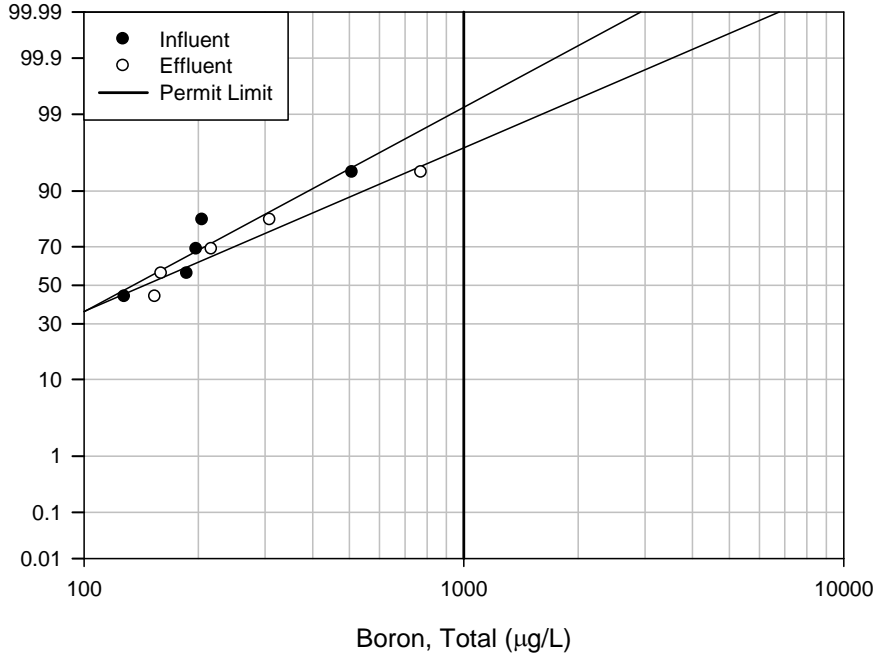
Total Boron Granular Activated Carbon (GAC)



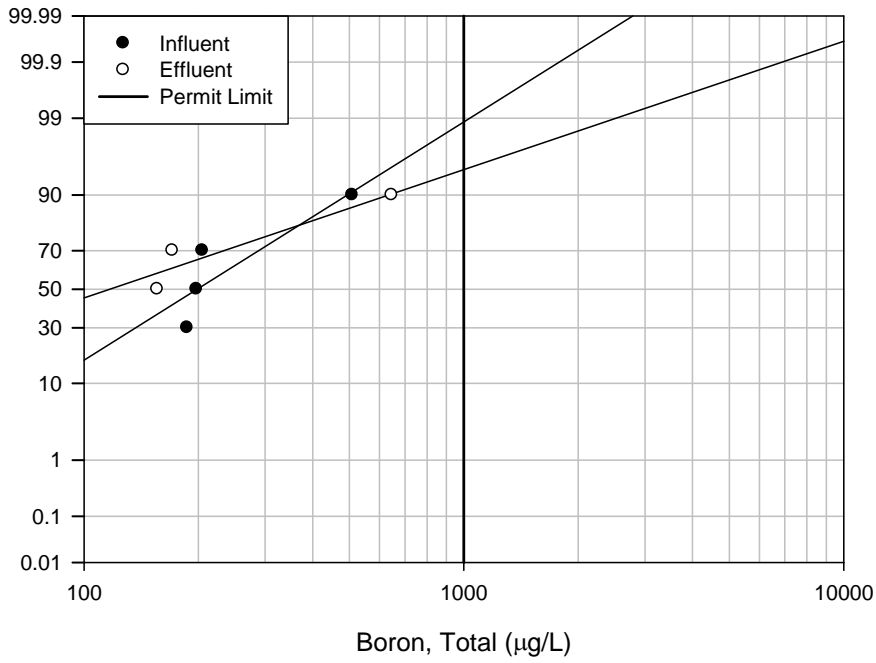
Total Boron Peat Moss (P)



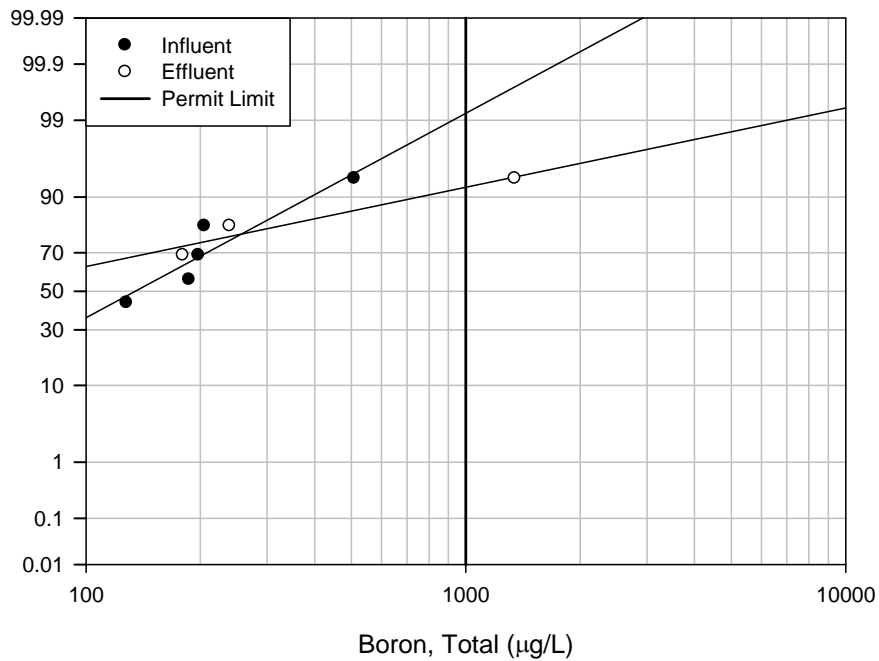
Total Boron
Rhyolite Sand (R)



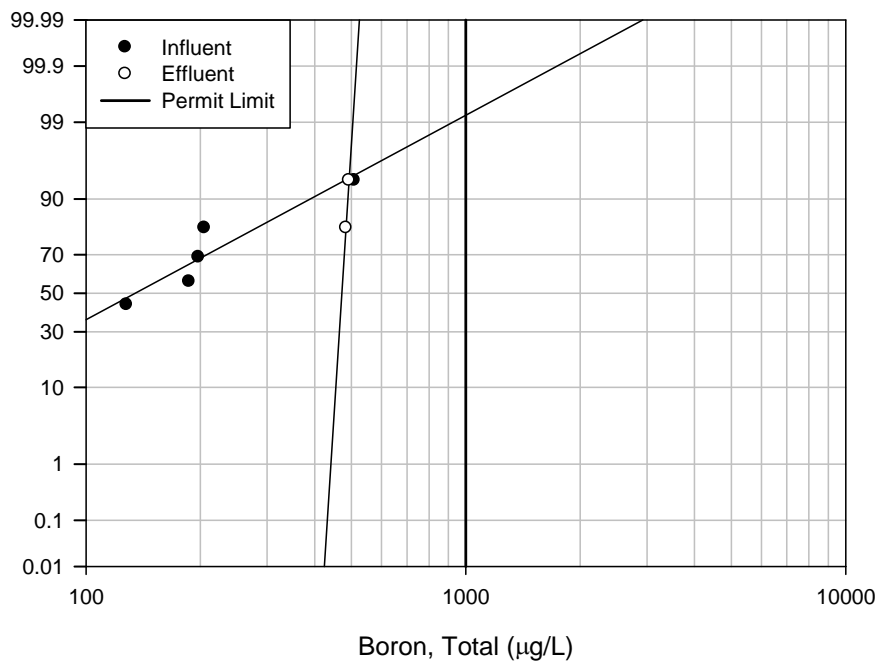
Total Boron
Site Sand (S)



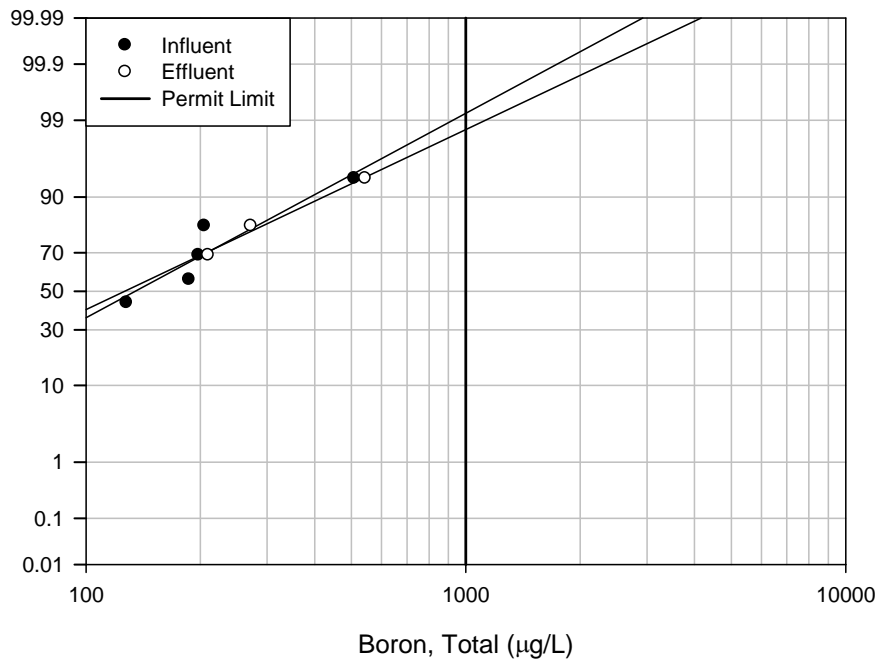
Total Boron Site Zeolite (Z)



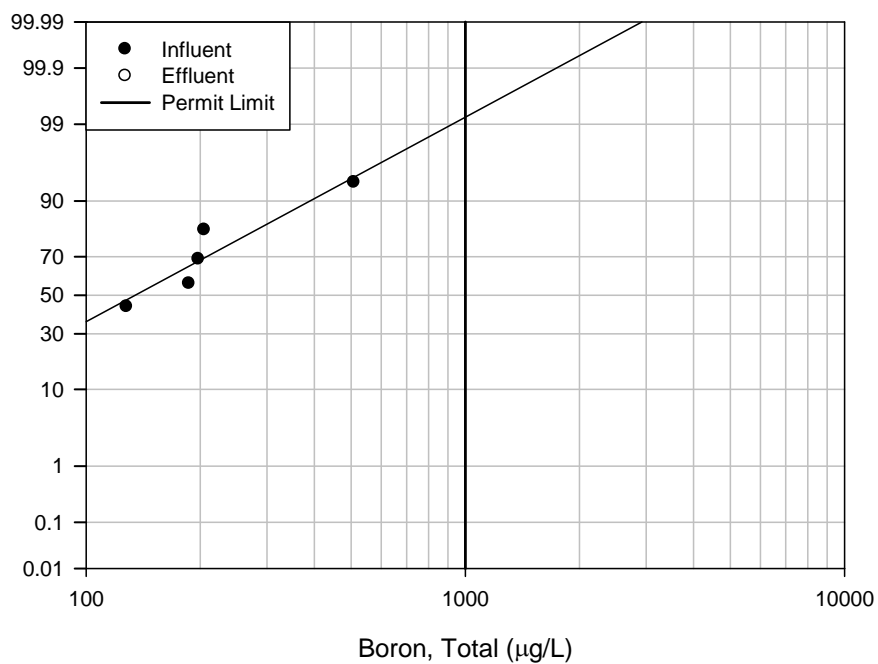
Total Boron Surface Modified Zeolite (SMZ)



Total Boron
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

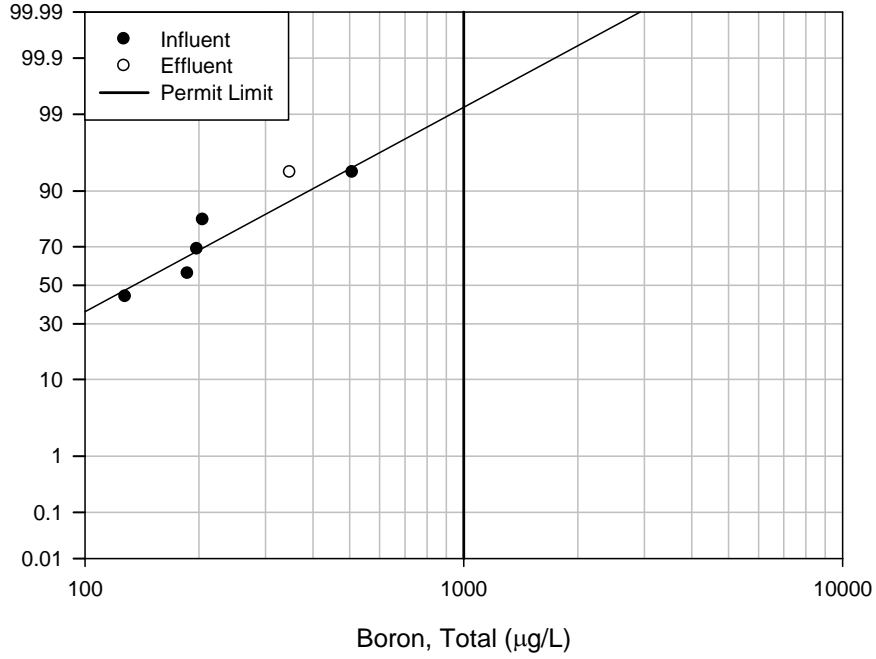


Total Boron
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



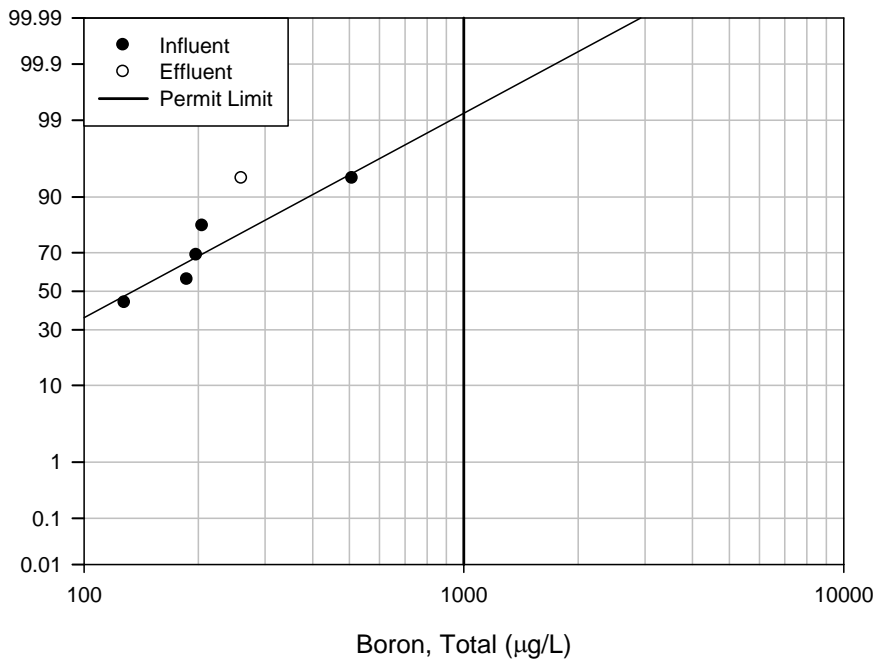
Total Boron

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



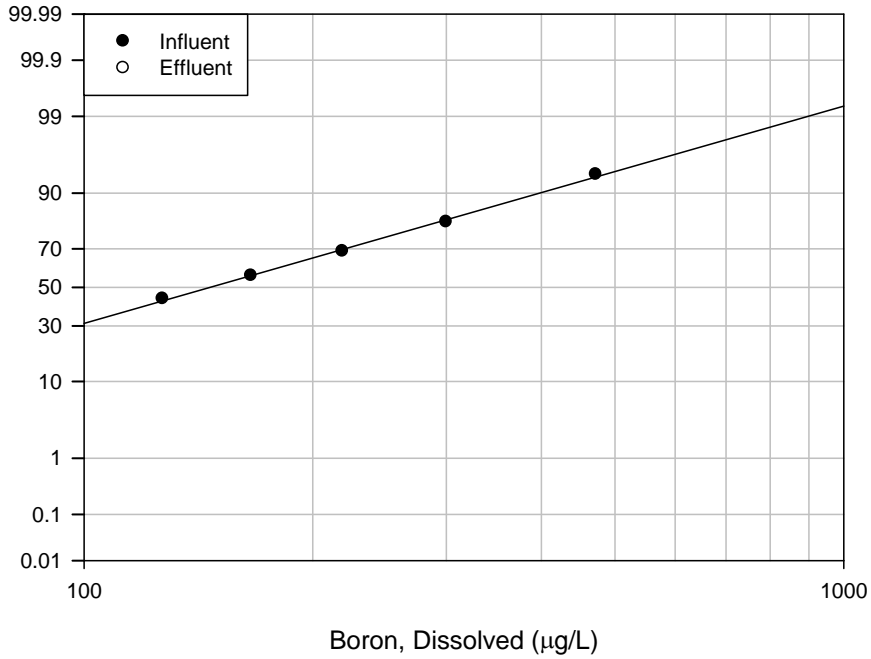
Total Boron

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

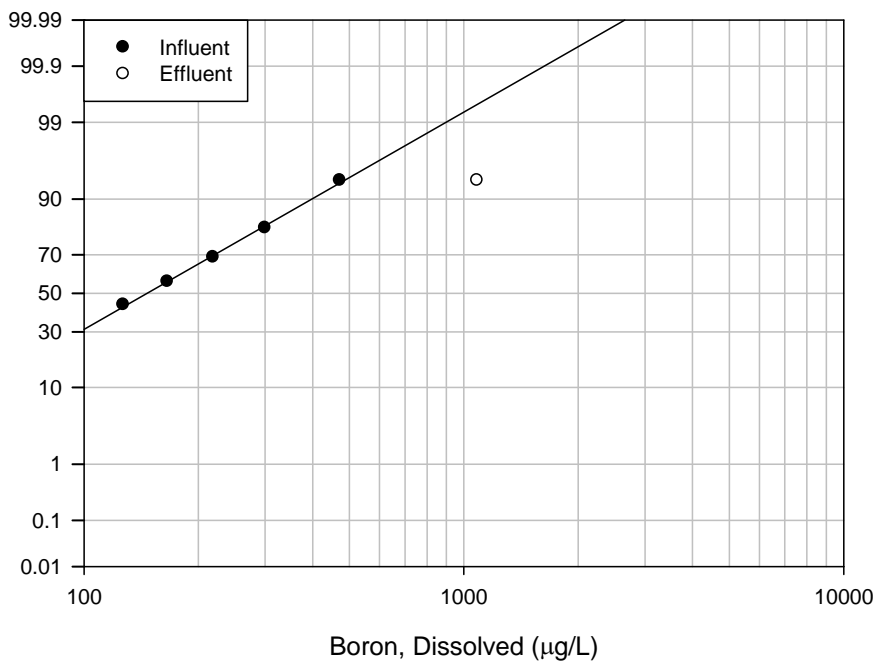


Boron, Filtered

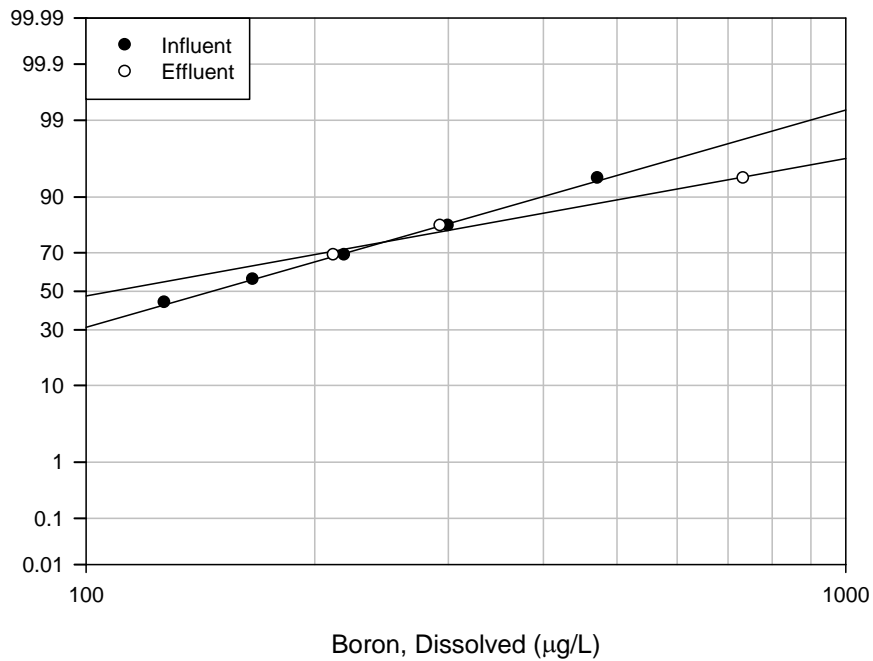
Dissolved Boron
Granular Activated Carbon (GAC)



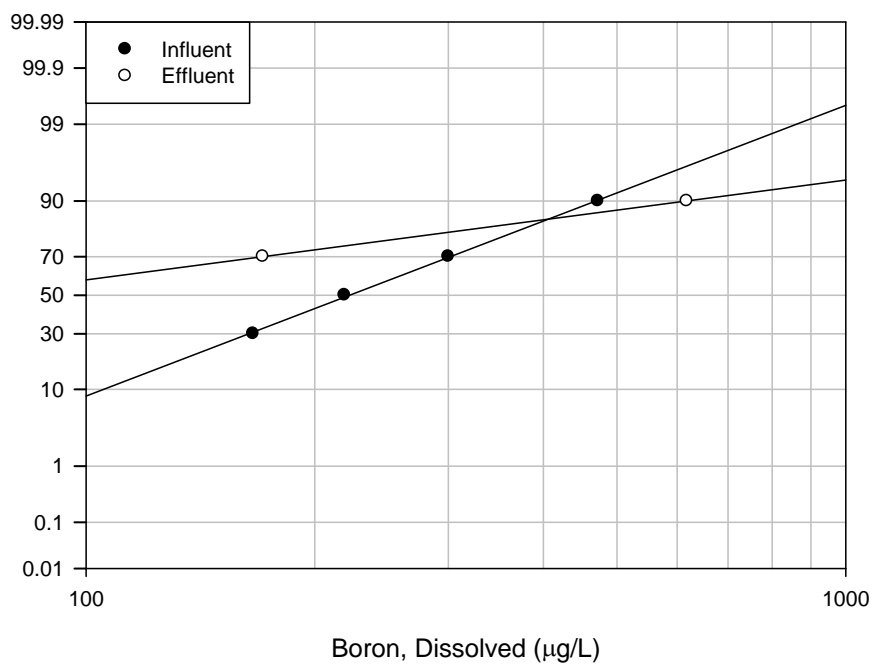
Dissolved Boron
Peat Moss (P)



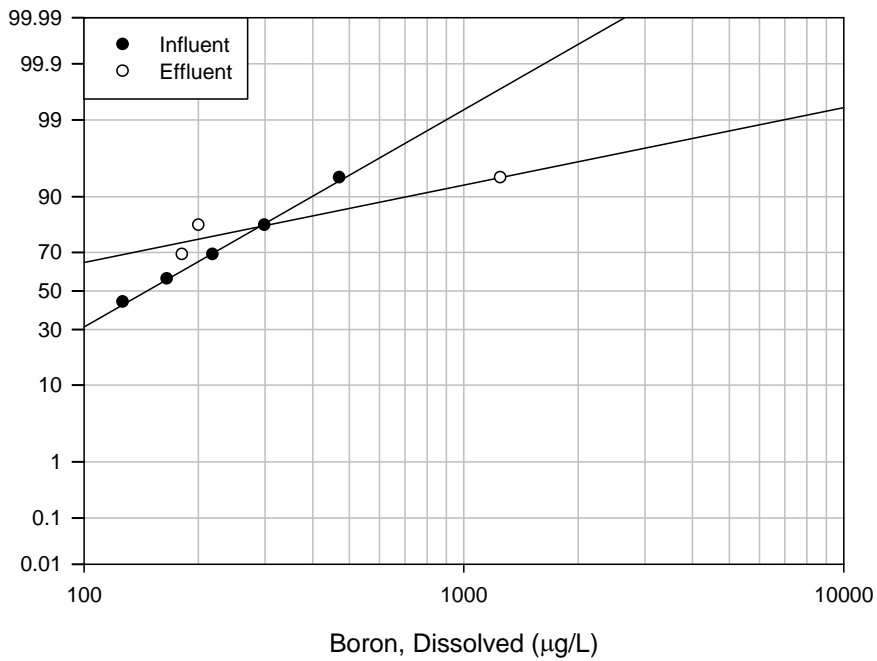
Dissolved Boron
Rhyolite Sand (R)



Dissolved Boron
Site Sand (S)

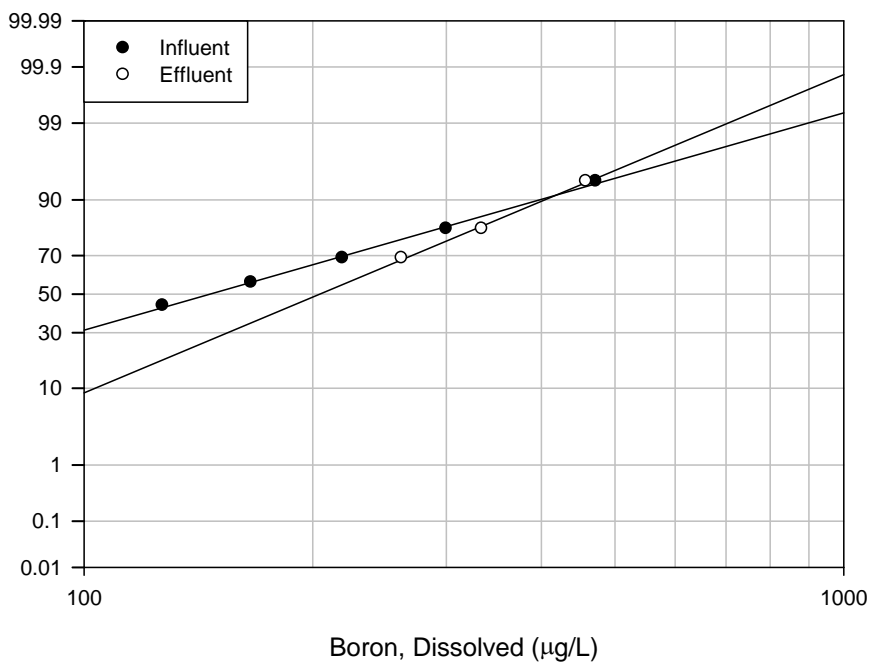


Dissolved Boron
Site Zeolite (Z)

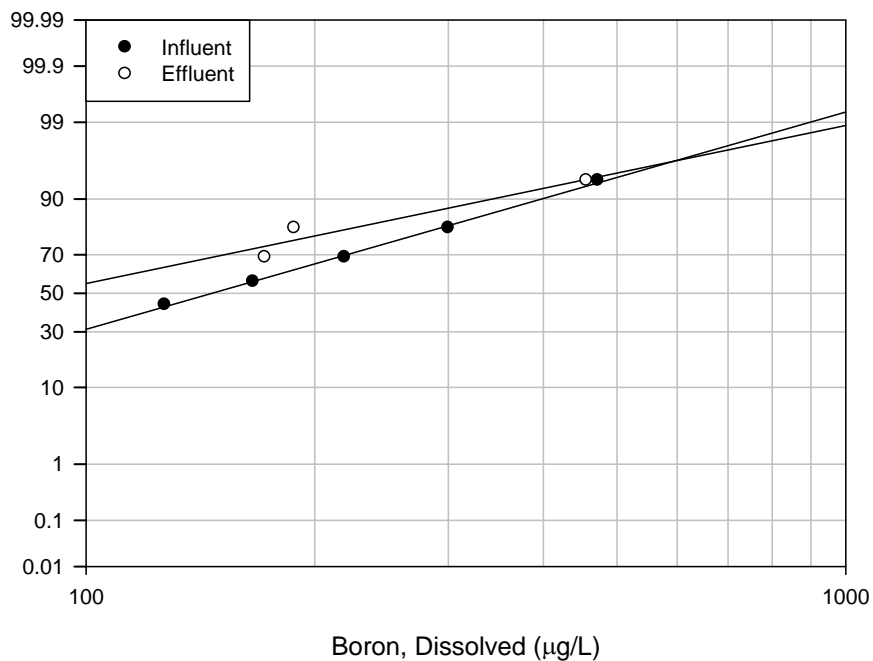


c

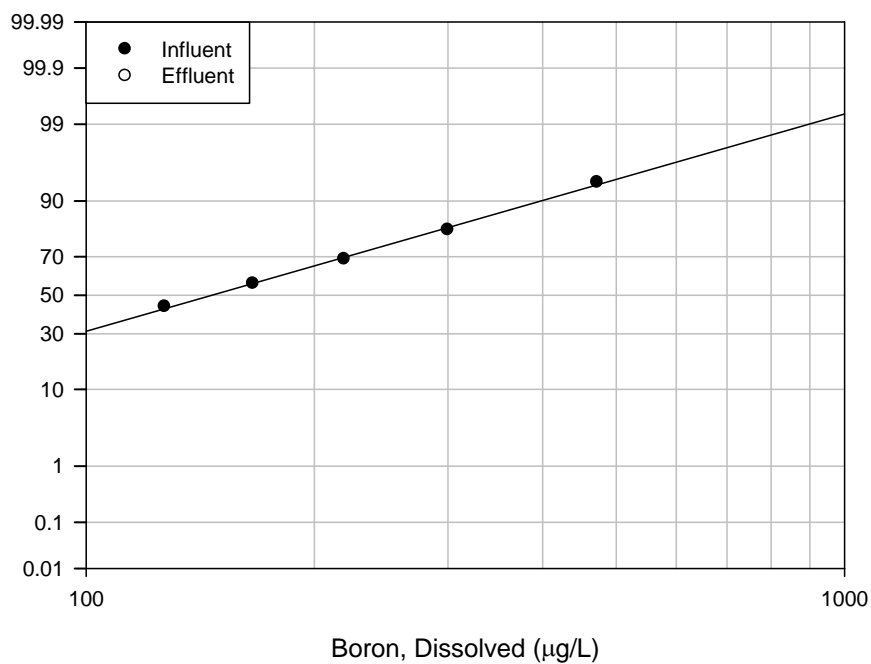
Dissolved Boron
Surface Modified Zeolite (SMZ)



Dissolved Boron
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

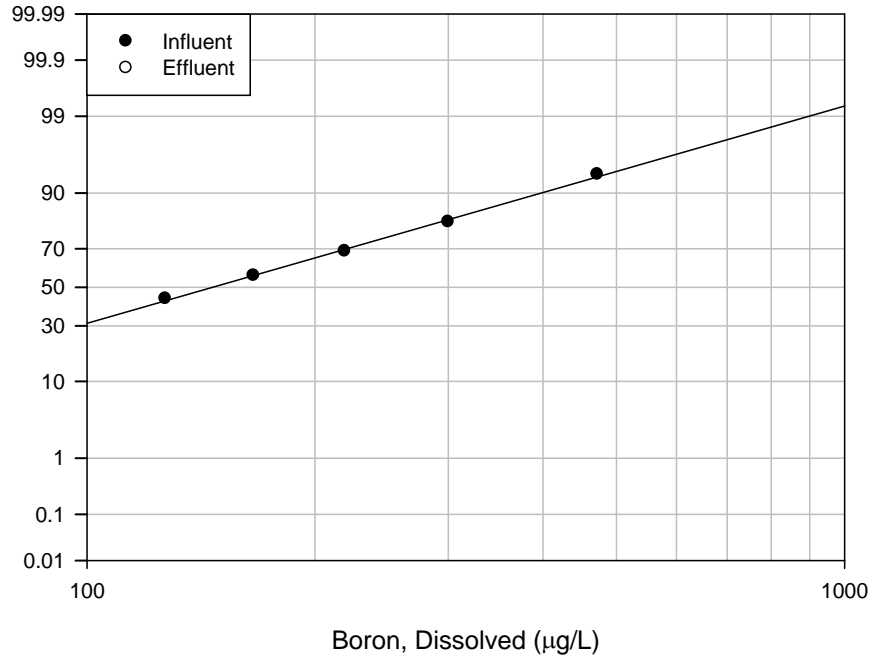


Dissolved Boron
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



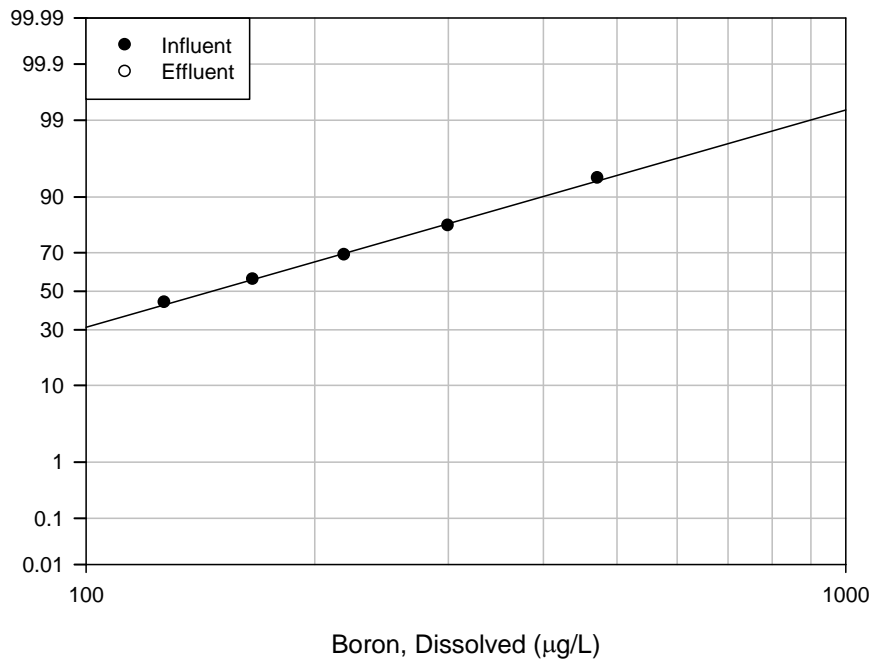
Dissolved Boron

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



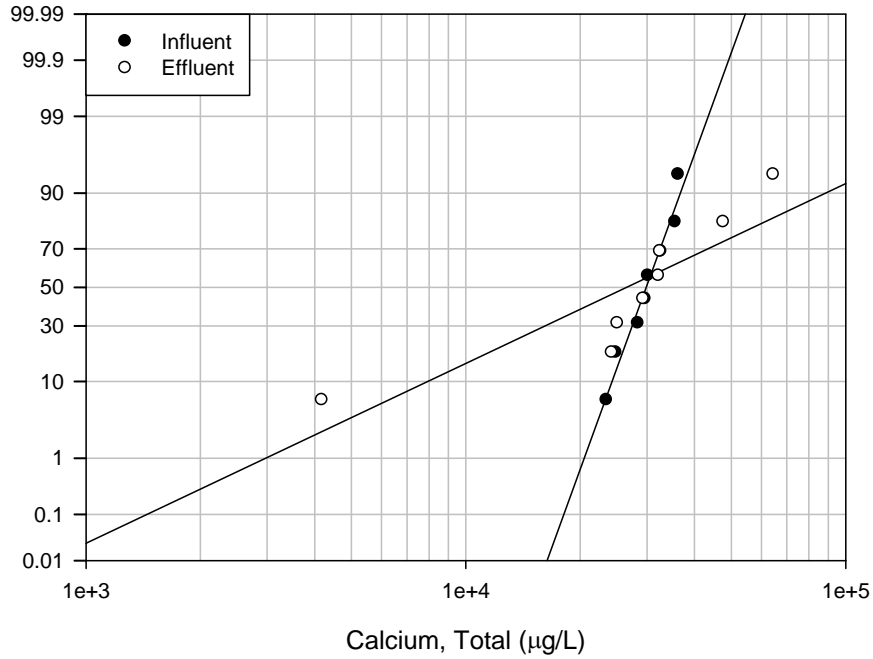
Dissolved Boron

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

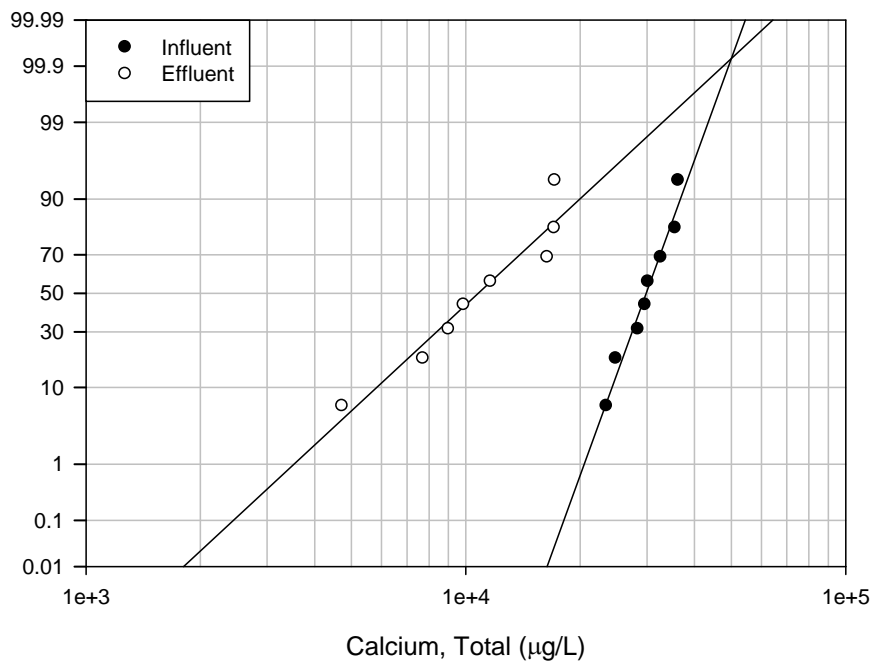


Calcium, Total

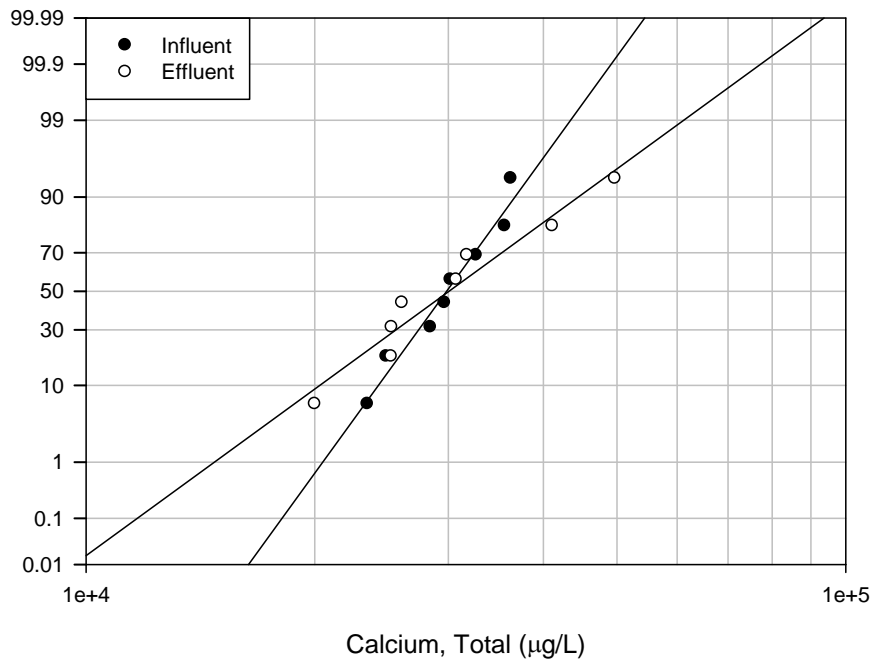
Total Calcium
Granular Activated Carbon (GAC)



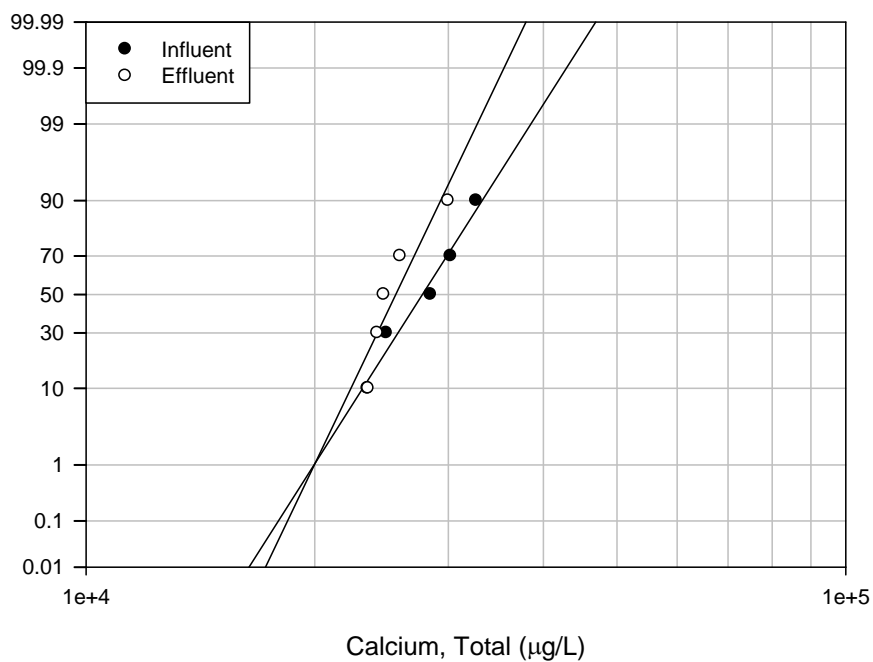
Total Calcium
Peat Moss (P)



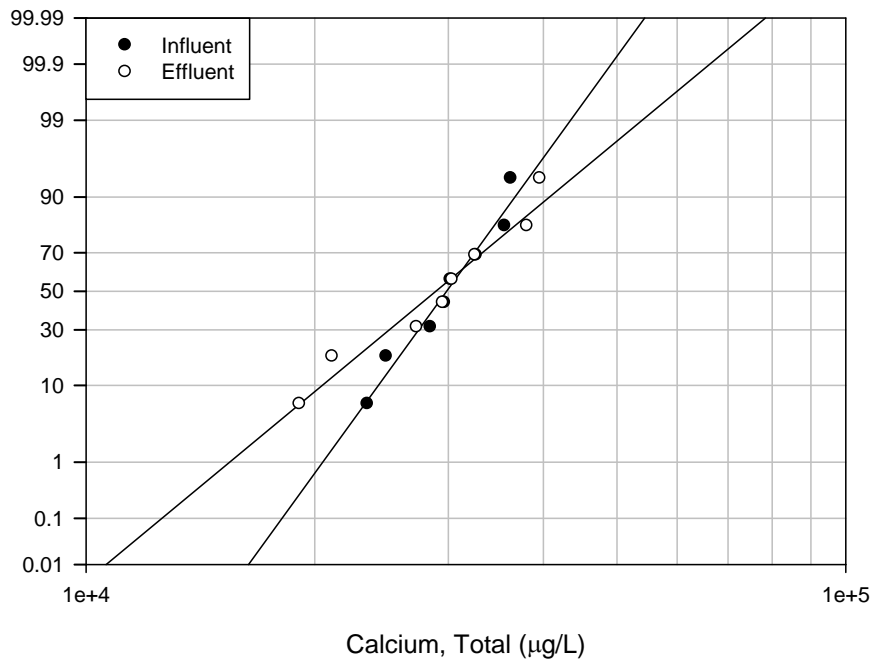
Total Calcium
Rhyolite Sand (R)



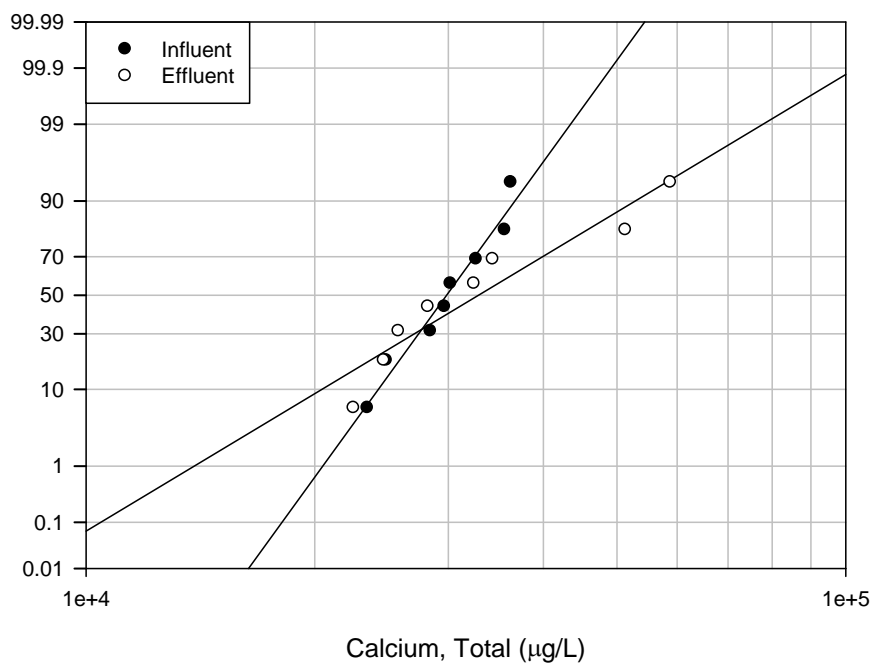
Total Calcium
Site Sand (S)



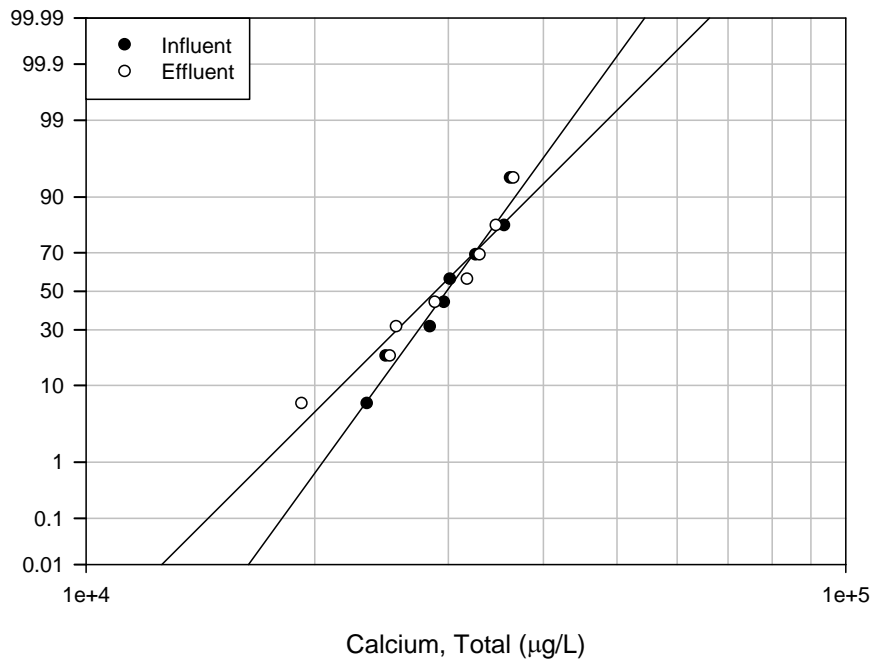
Total Calcium Site Zeolite (Z)



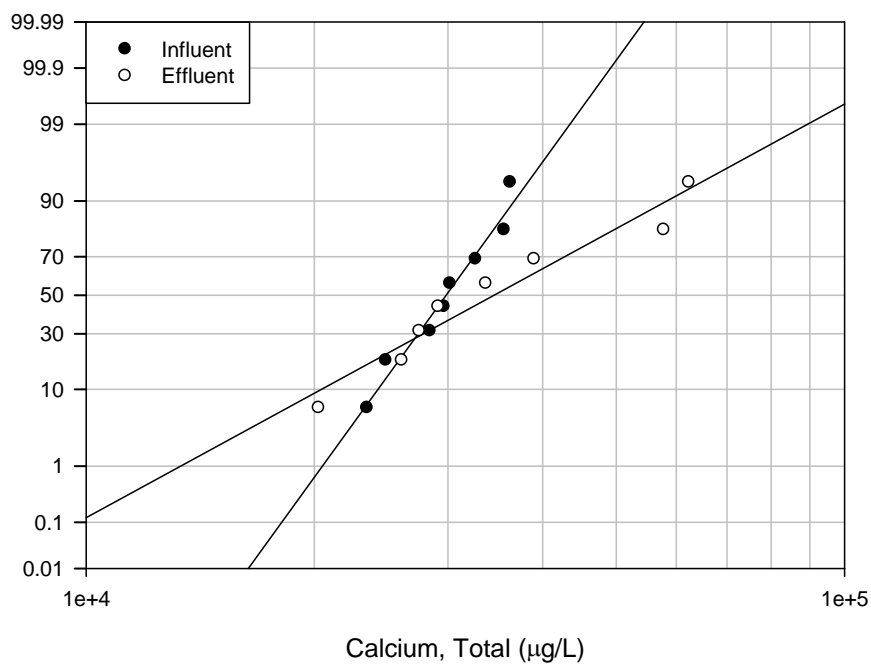
Total Calcium Surface Modified Zeolite (SMZ)



Total Calcium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

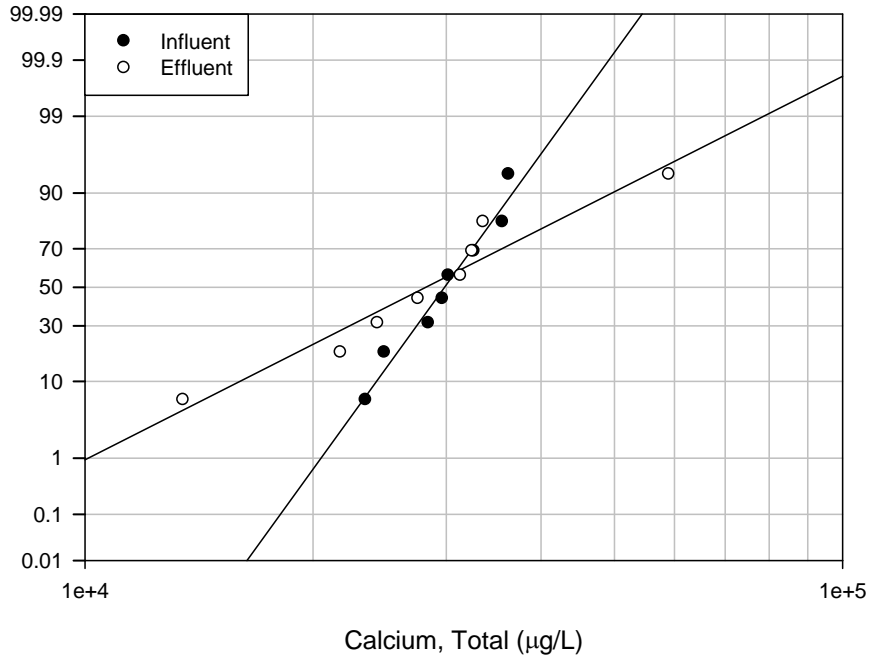


Total Calcium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



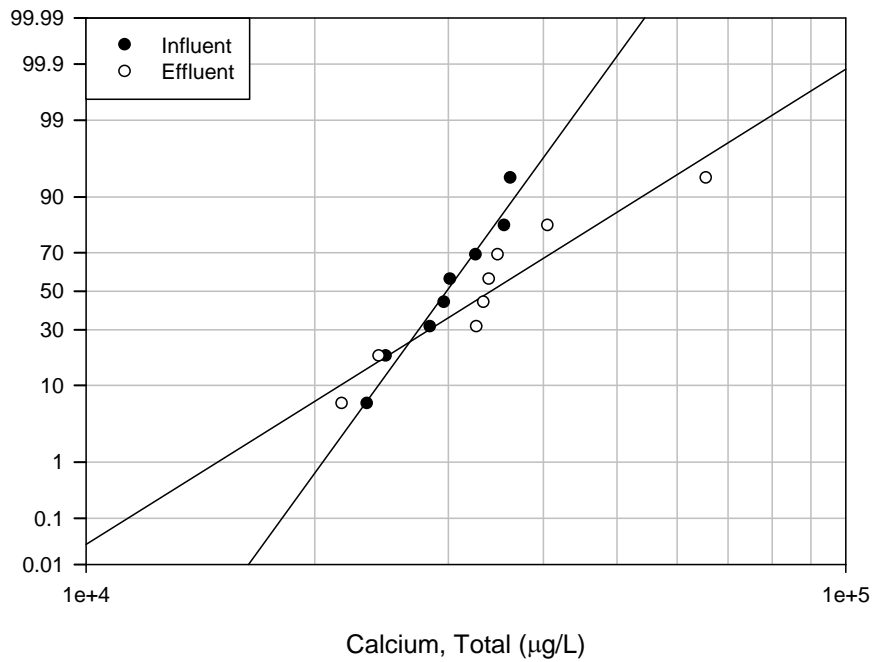
Total Calcium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



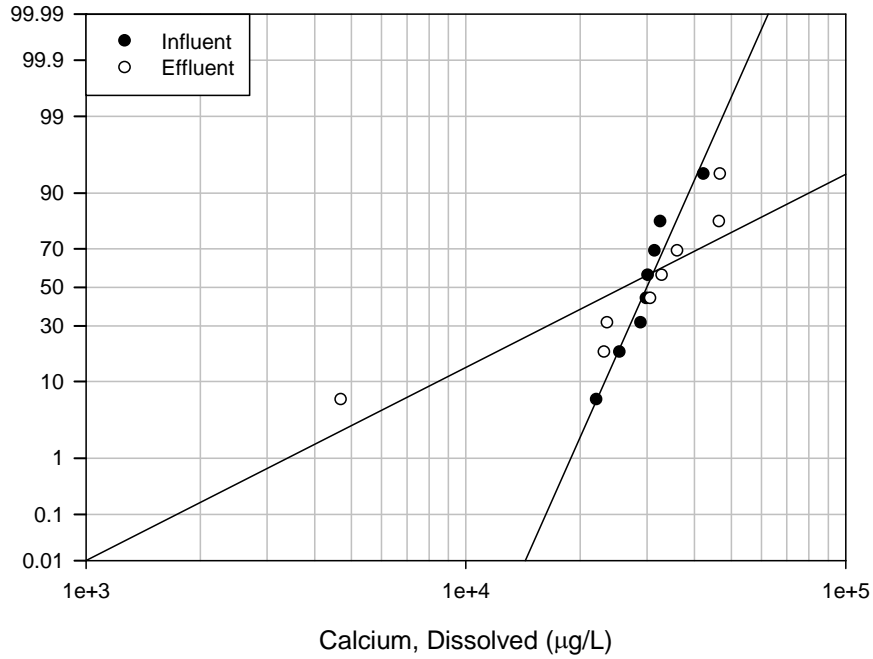
Total Calcium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

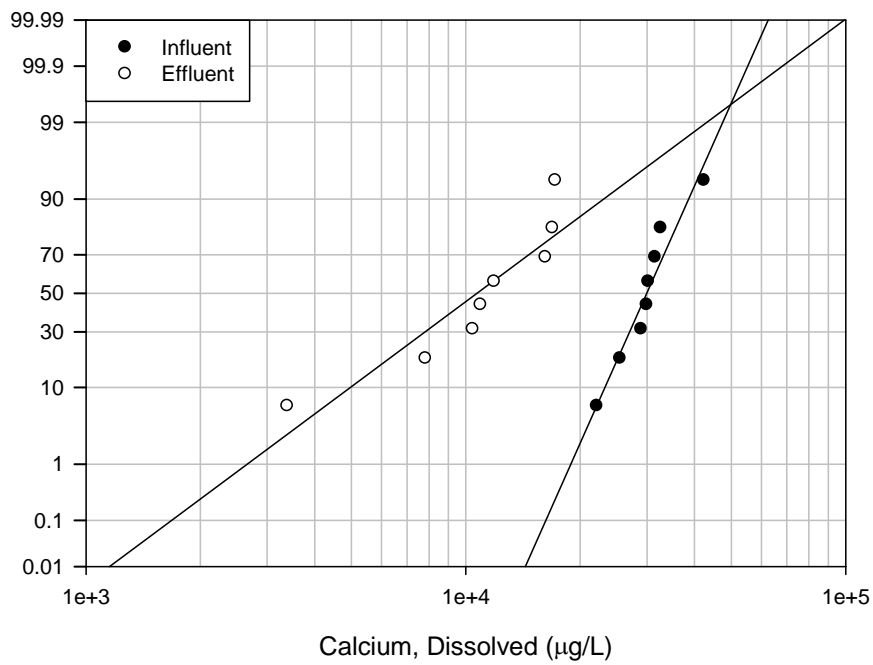


Calcium, Filtered

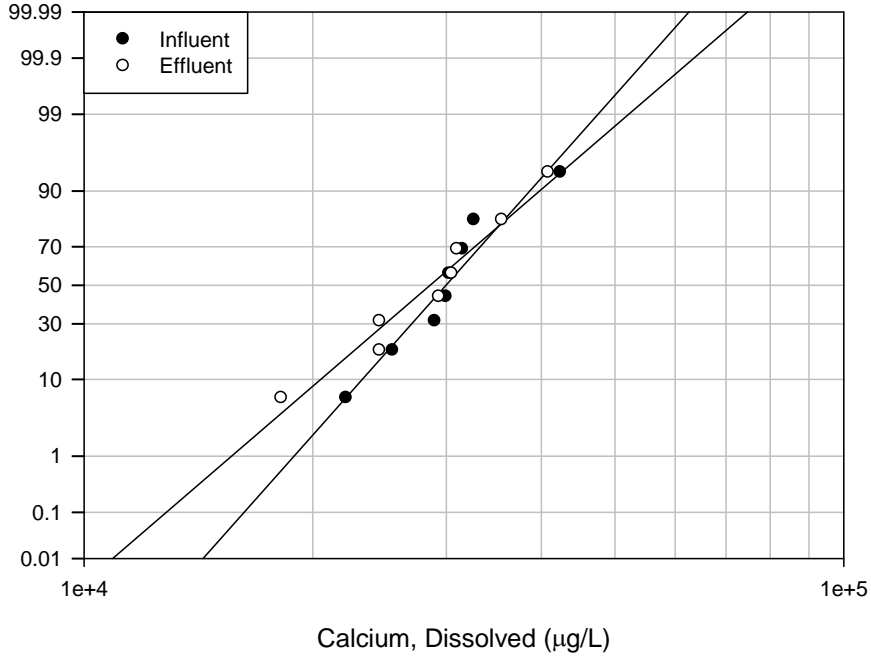
Dissolved Calcium
Granular Activated Carbon (GAC)



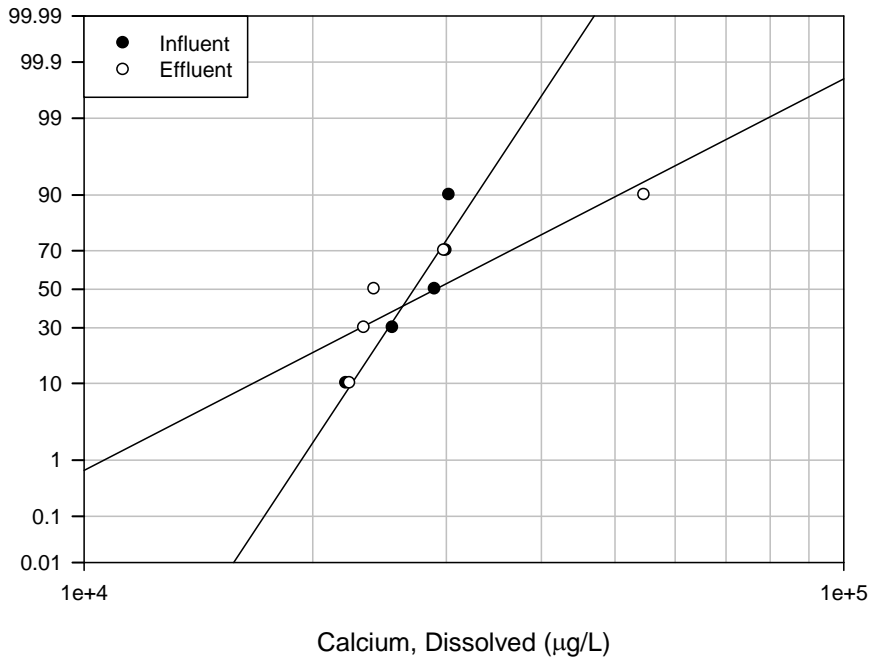
Dissolved Calcium
Peat Moss (P)



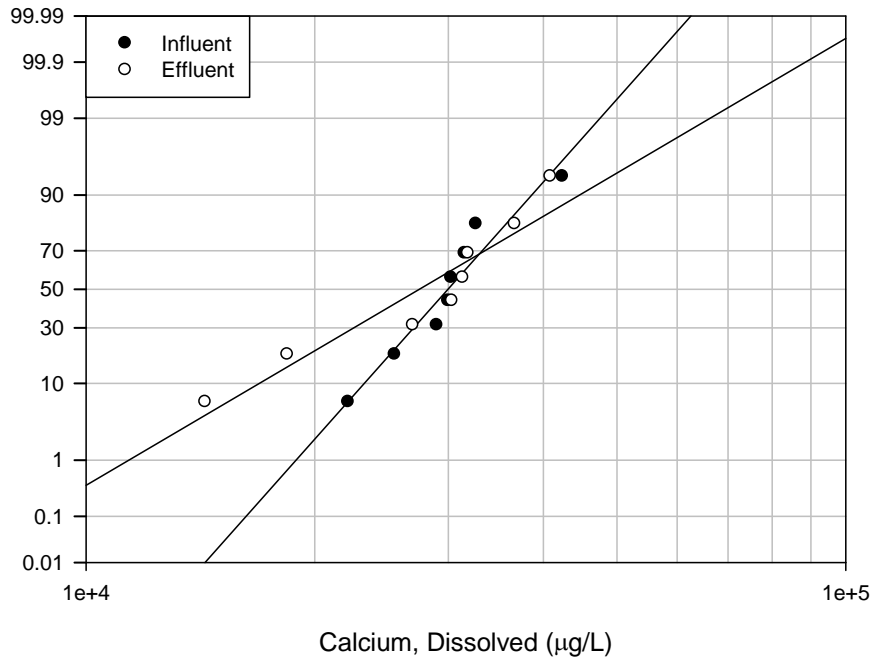
Dissolved Calcium
Rhyolite Sand (R)



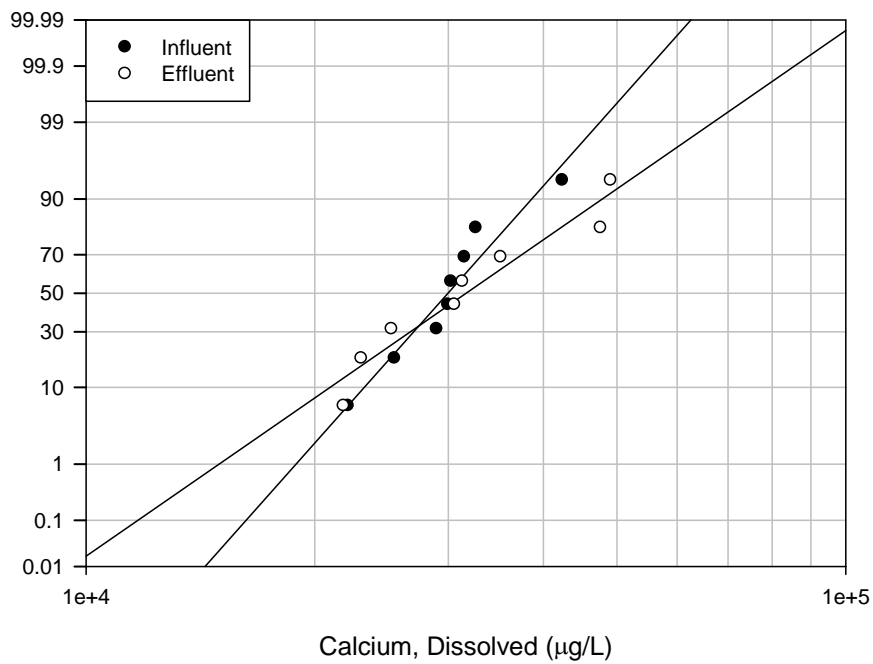
Dissolved Calcium
Site Sand (S)



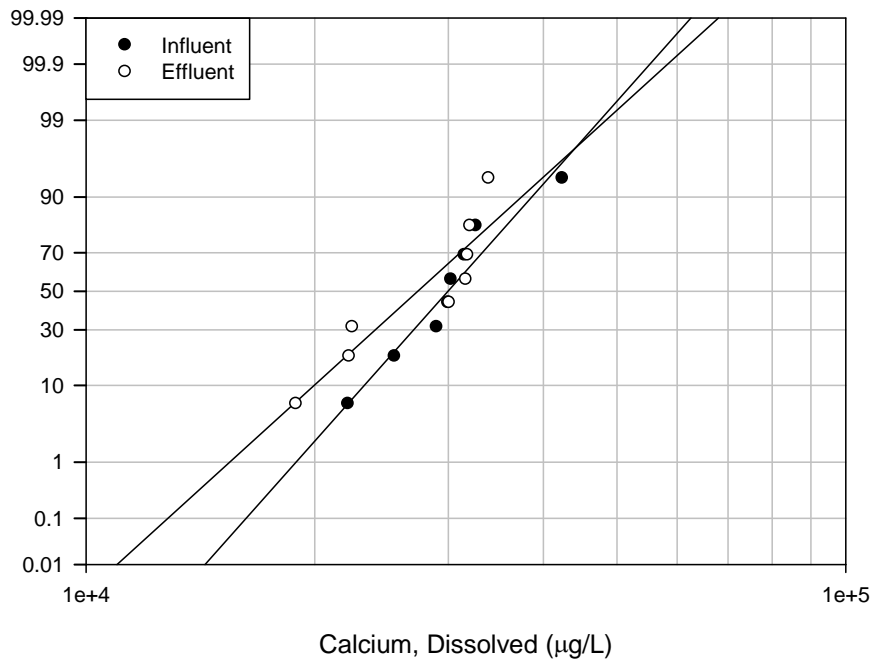
Dissolved Calcium
Site Zeolite (Z)



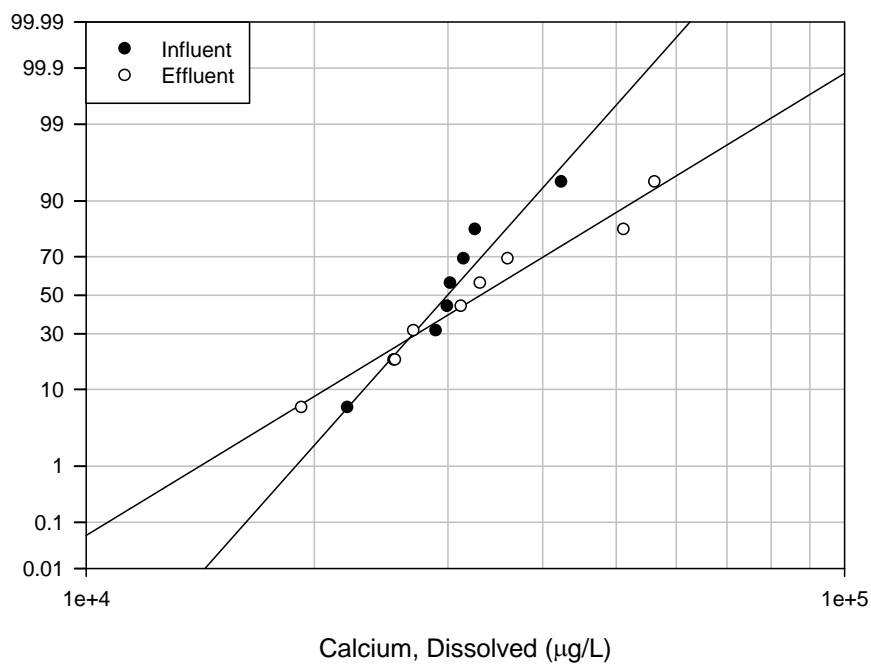
Dissolved Calcium
Surface Modified Zeolite (SMZ)



Dissolved Calcium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

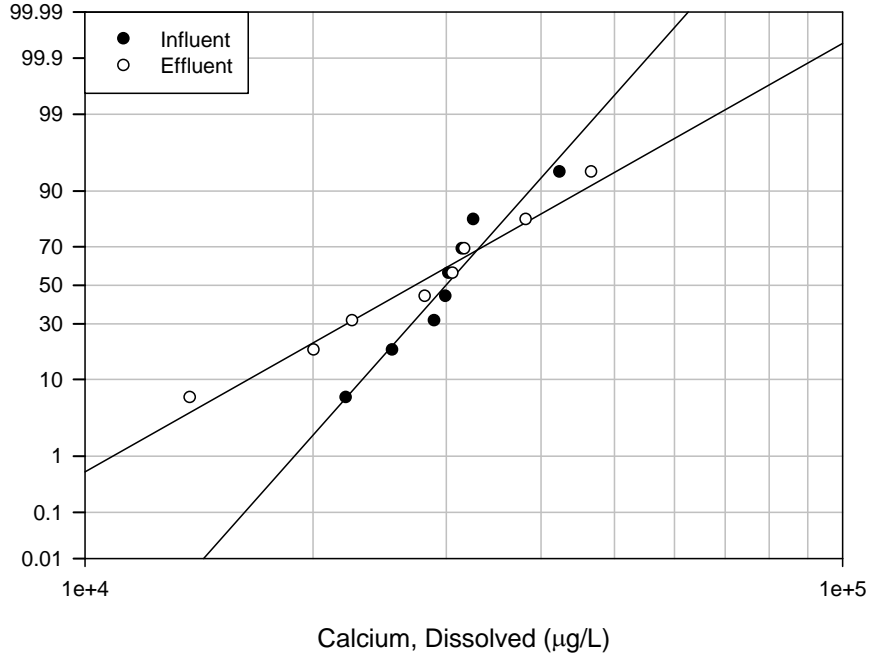


Dissolved Calcium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



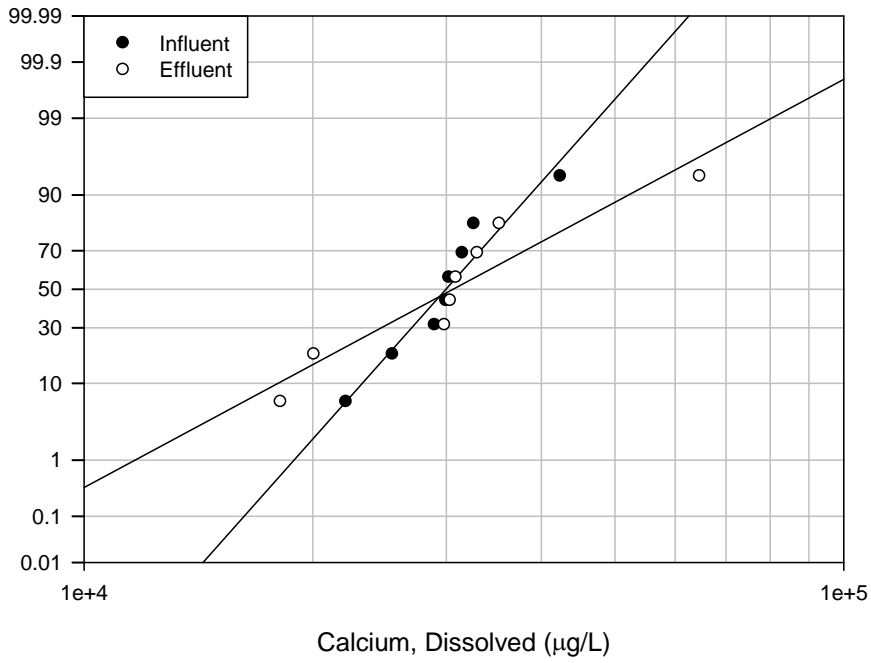
Dissolved Calcium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



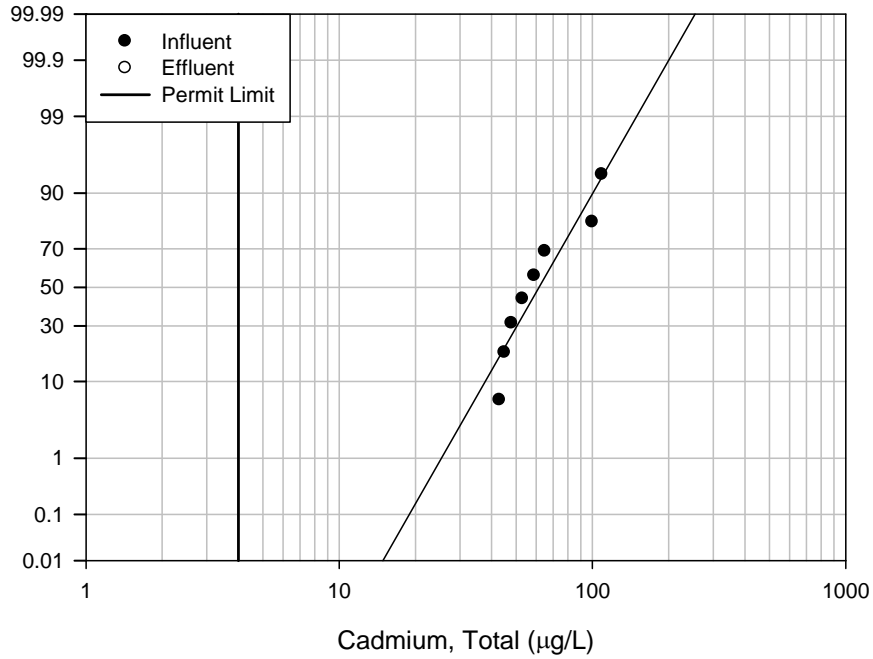
Dissolved Calcium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

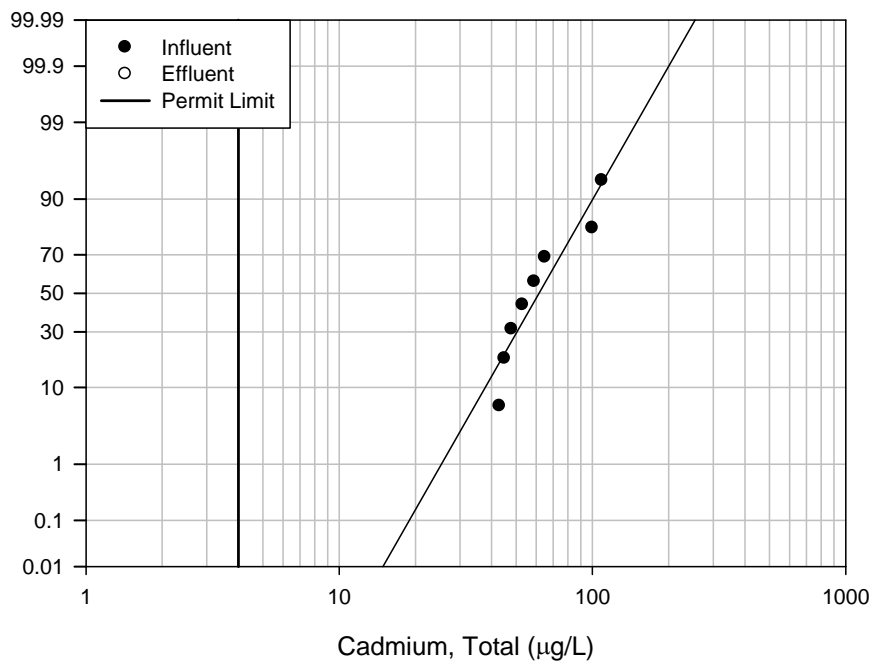


Cadmium, Total

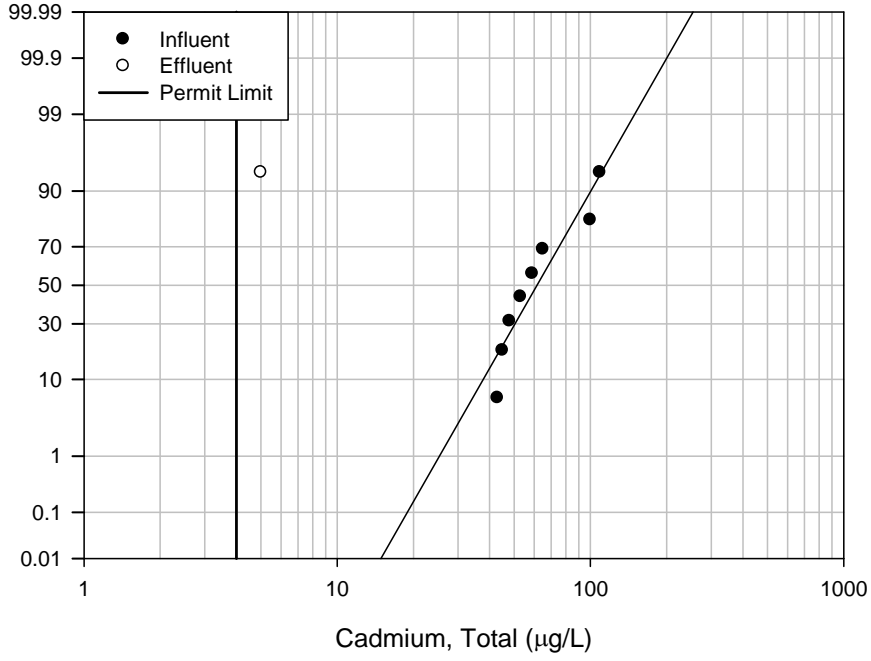
Total Cadmium
Granular Activated Carbon (GAC)



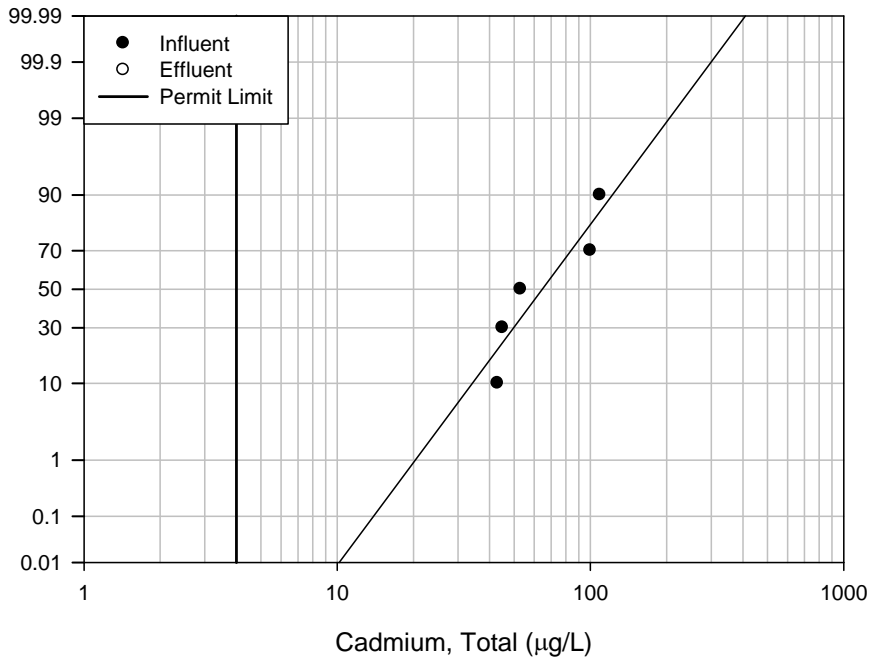
Total Cadmium
Peat Moss (P)



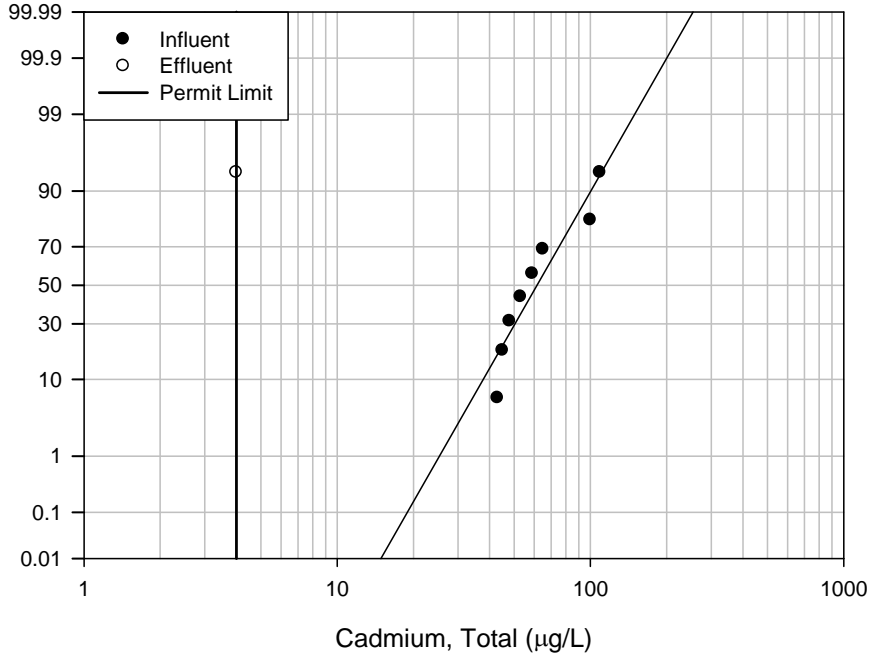
Total Cadmium
Rhyolite Sand (R)



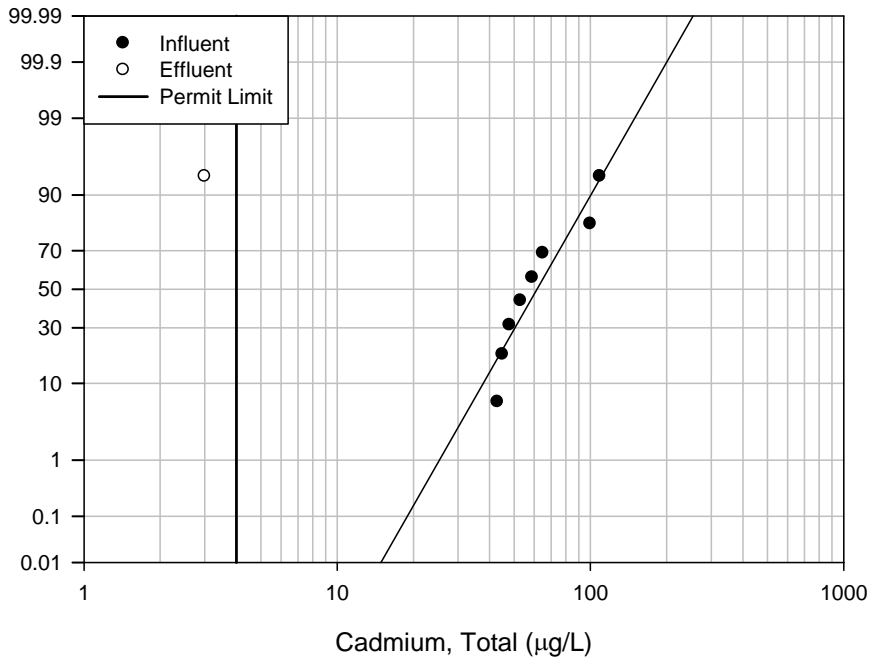
Total Cadmium
Site Sand (S)



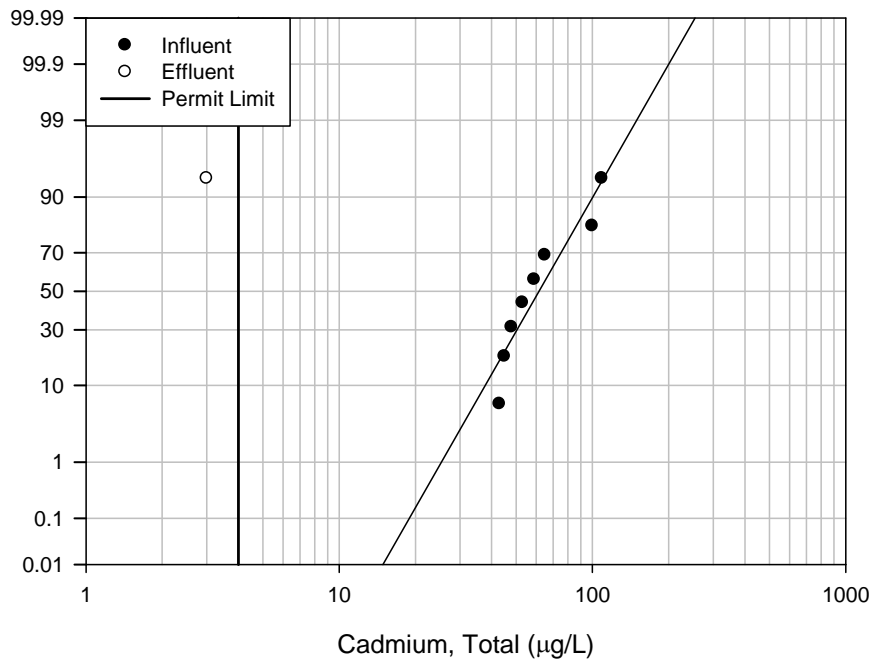
Total Cadmium
Site Zeolite (Z)



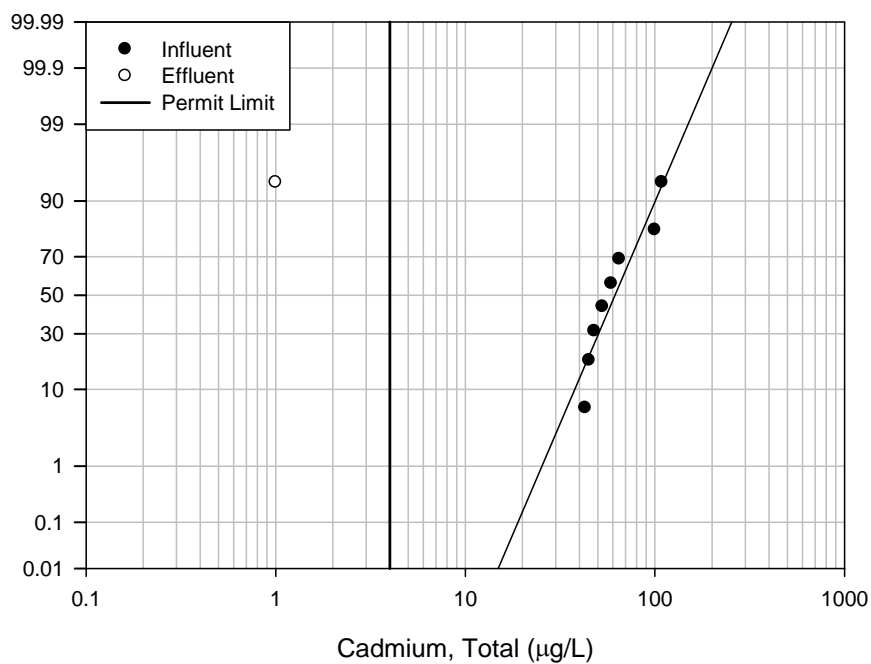
Total Cadmium
Surface Modified Zeolite (SMZ)



Total Cadmium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

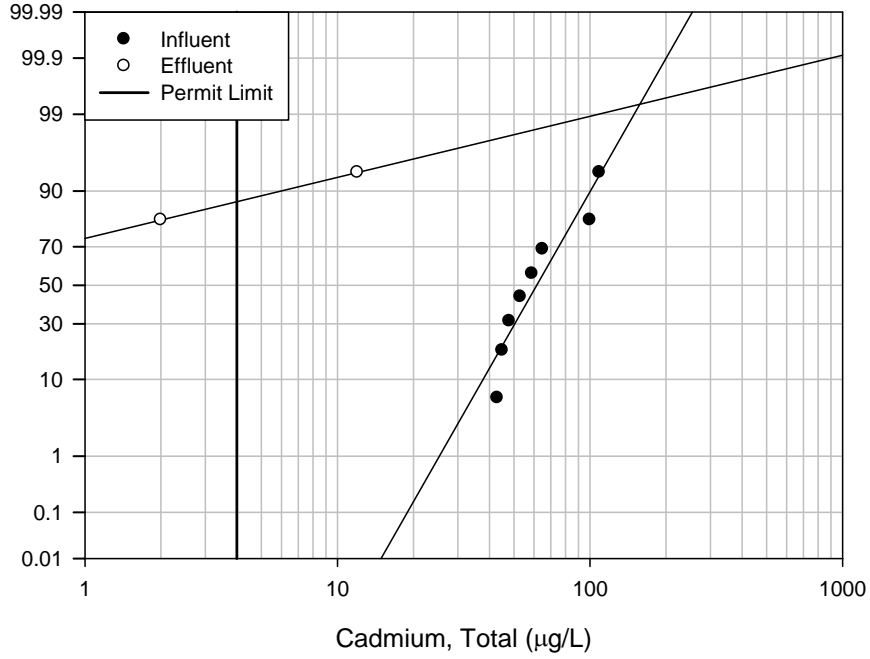


Total Cadmium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



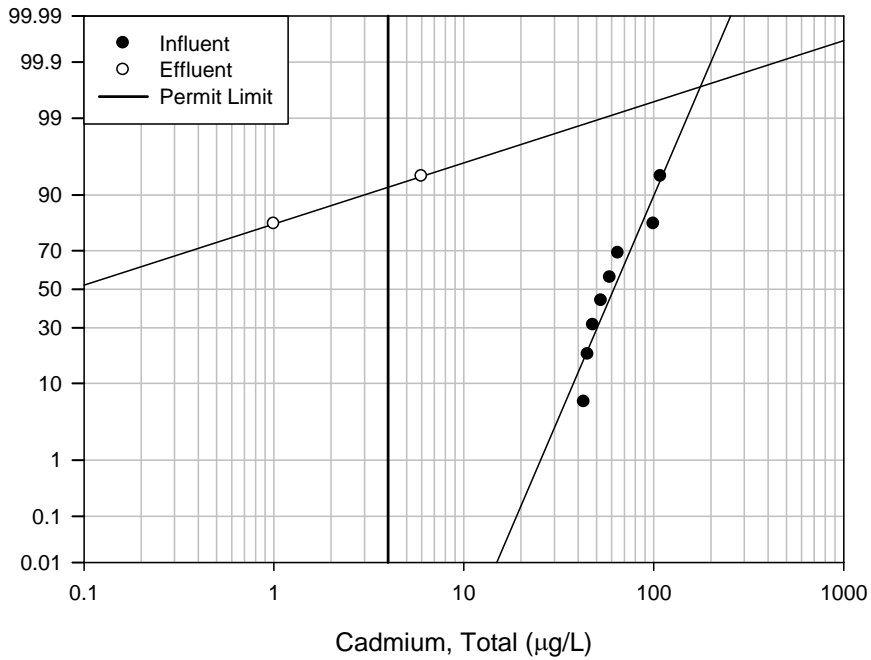
Total Cadmium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



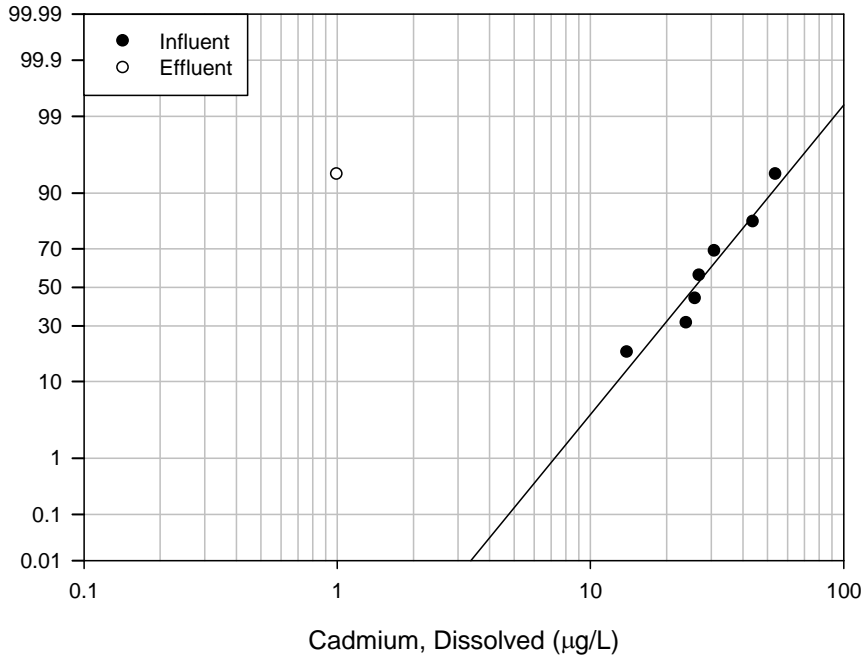
Total Cadmium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

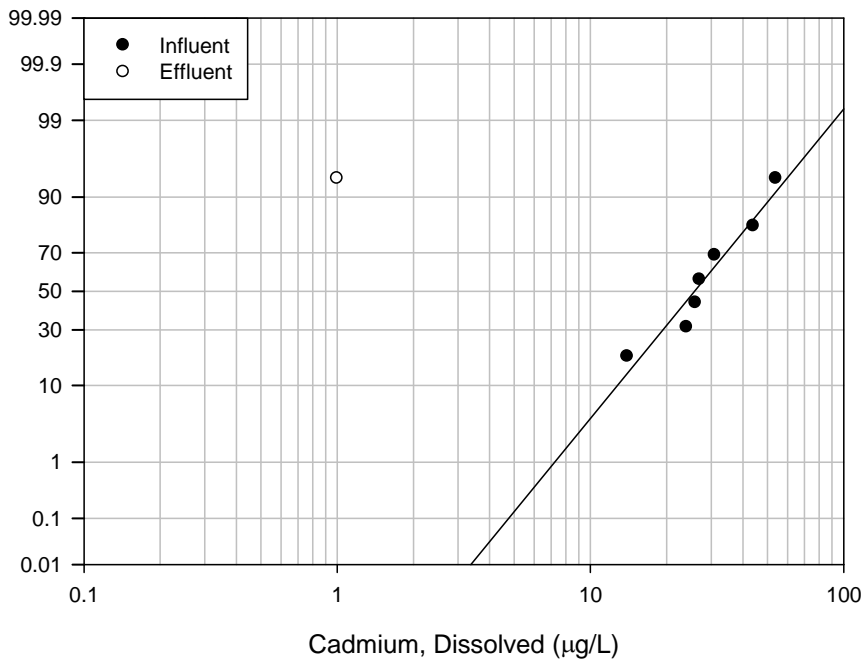


Cadmium, Filtered

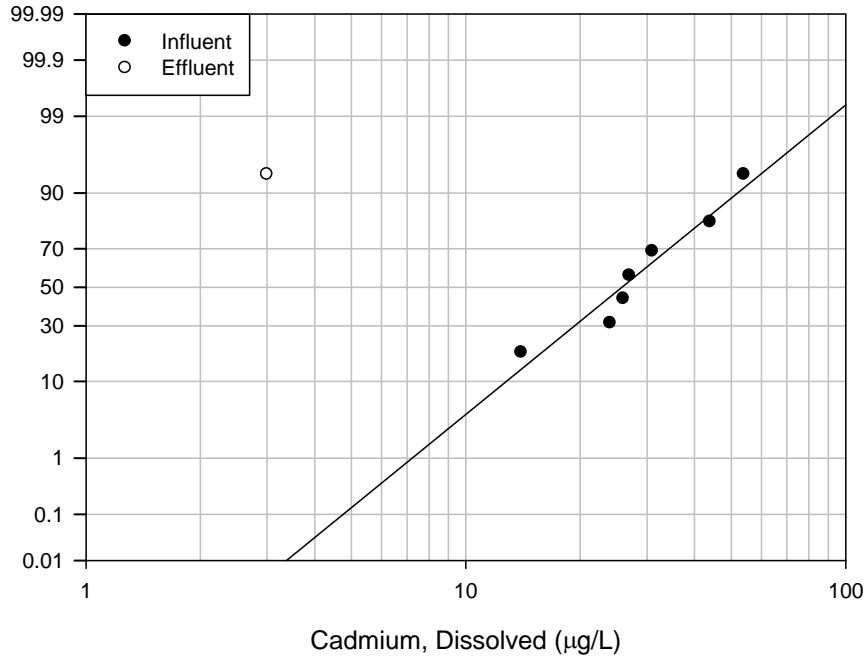
Dissolved Cadmium
Granular Activated Carbon (GAC)



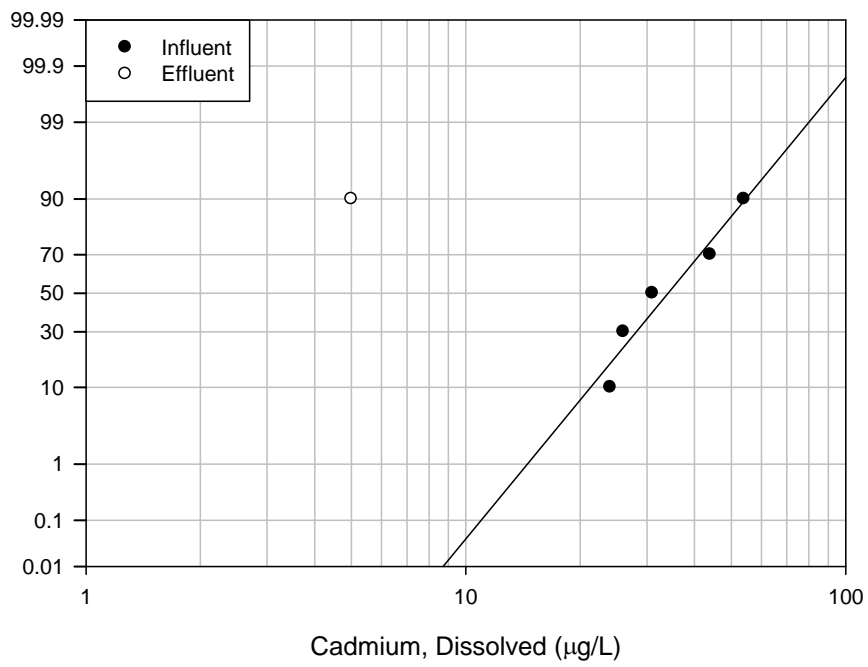
Dissolved Cadmium
Peat Moss (P)



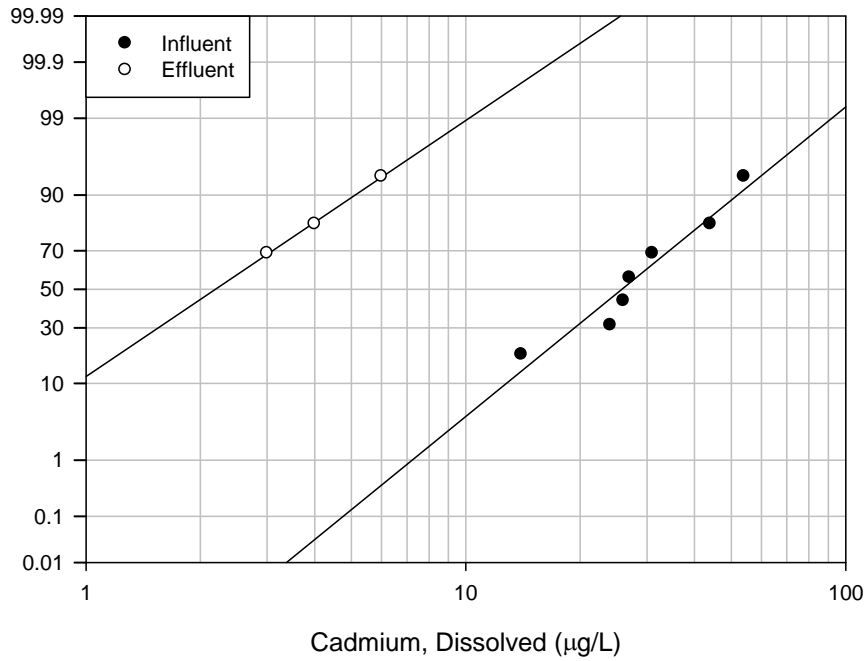
Dissolved Cadmium
Rhyolite Sand (R)



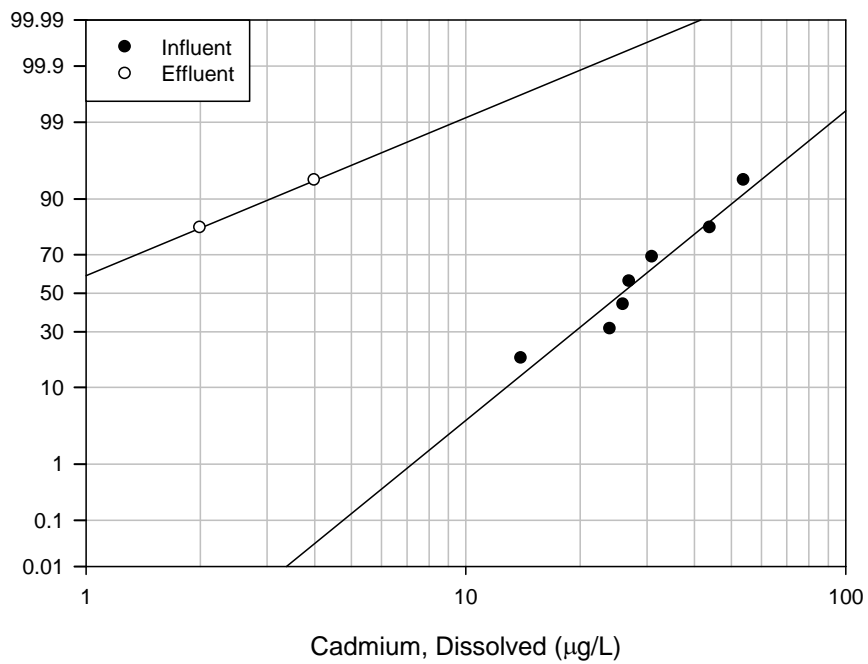
Dissolved Cadmium
Site Sand (S)



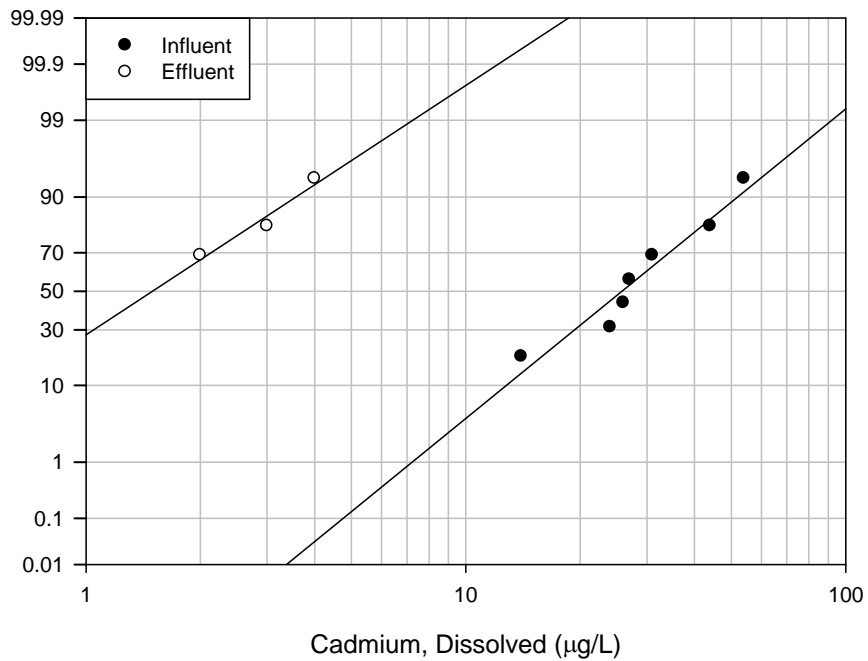
Dissolved Cadmium Site Zeolite (Z)



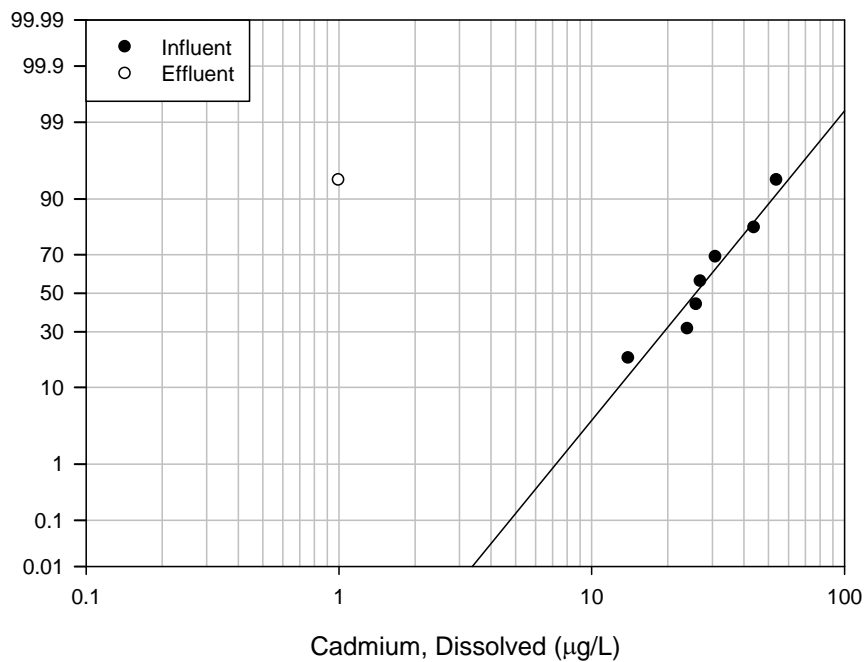
Dissolved Cadmium Surface Modified Zeolite (SMZ)



Dissolved Cadmium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

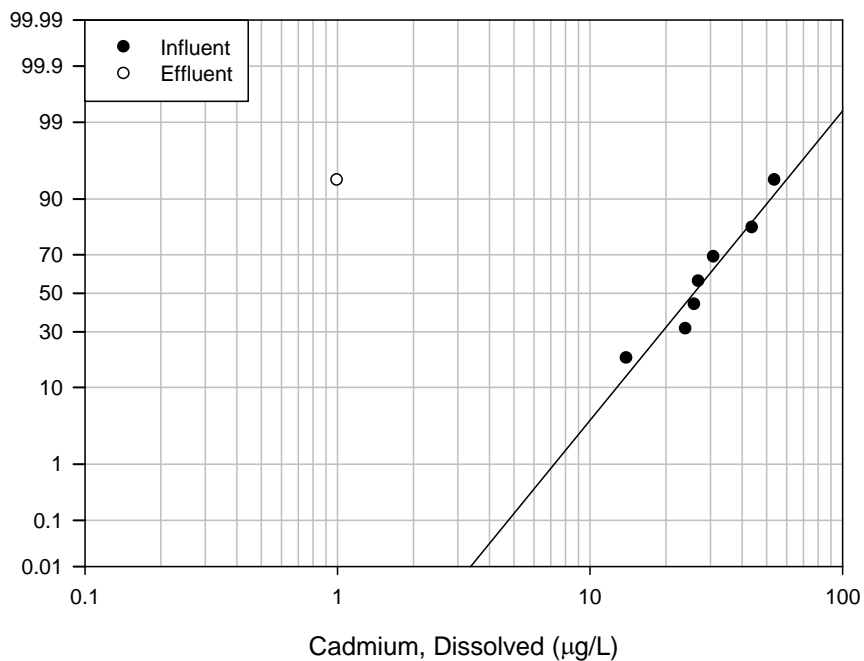


Dissolved Cadmium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



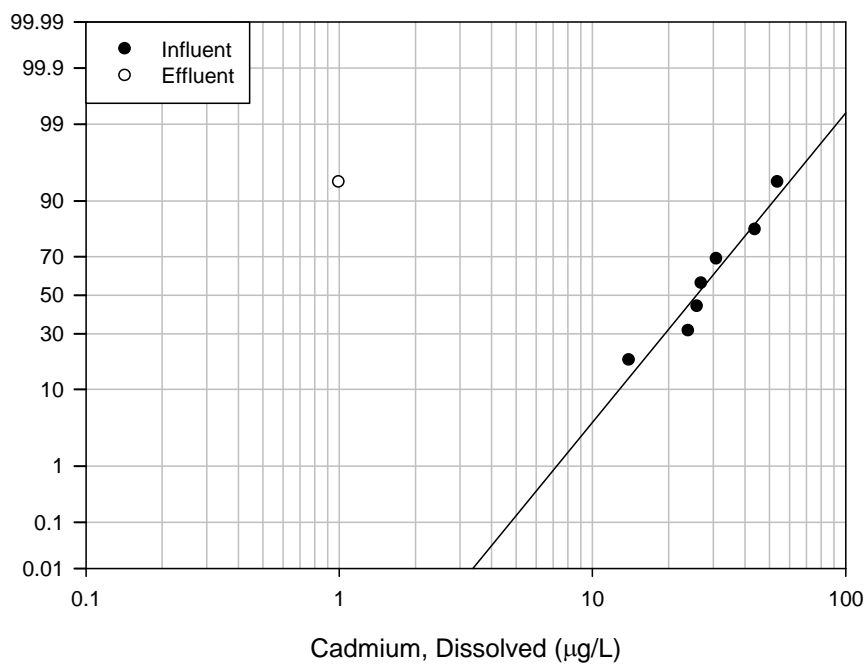
Dissolved Cadmium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



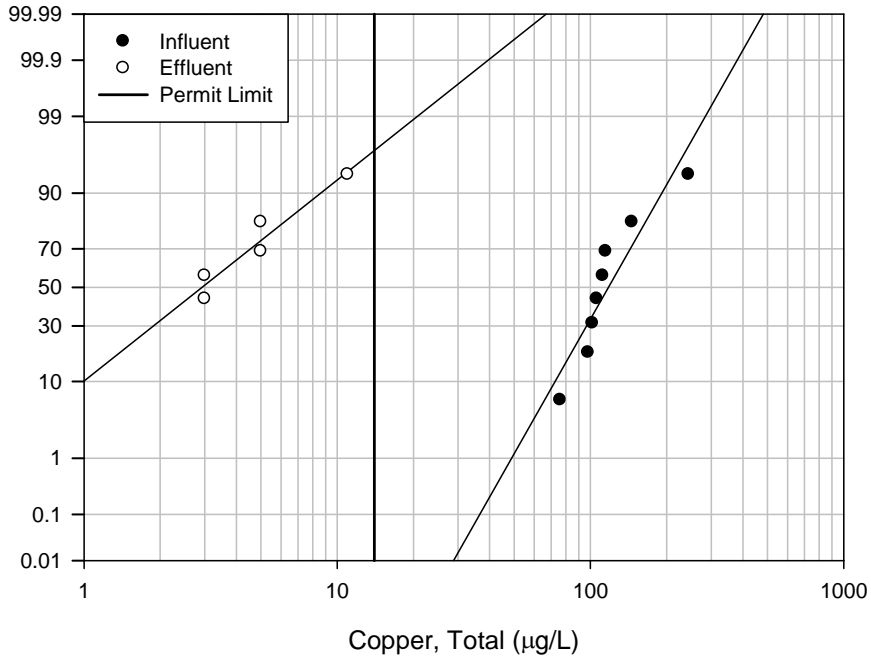
Dissolved Cadmium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

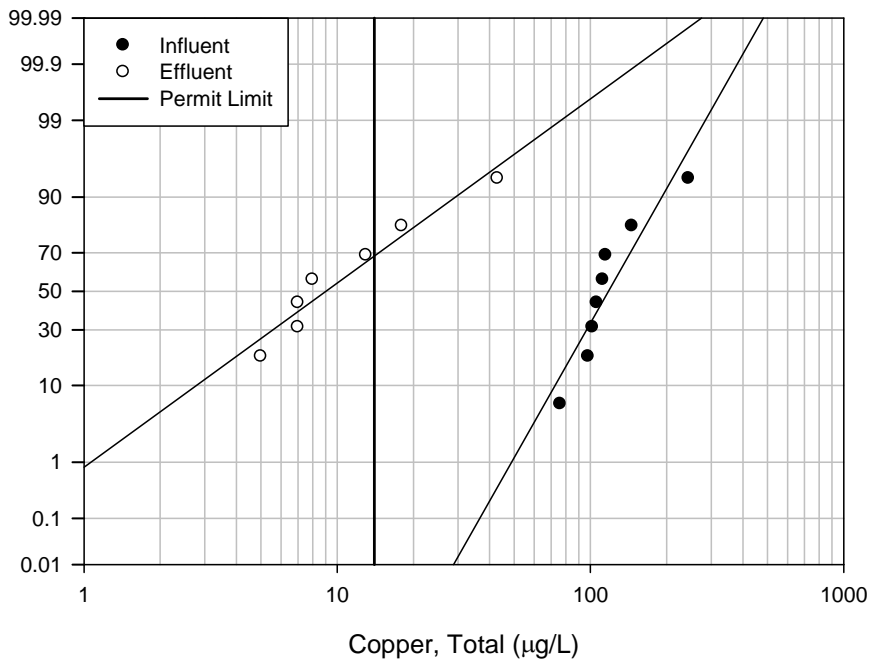


Copper, Total

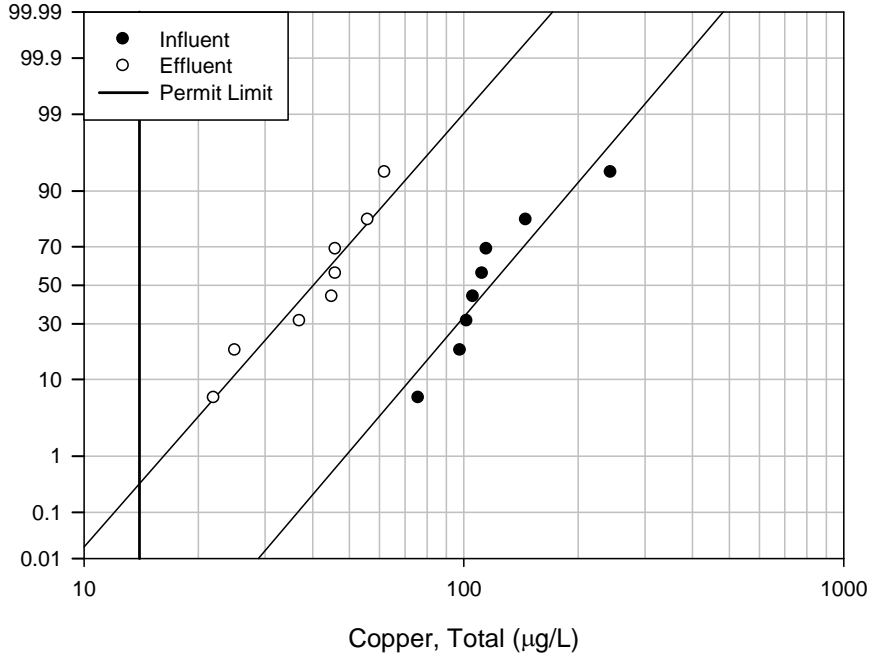
Total Copper
Granular Activated Carbon (GAC)



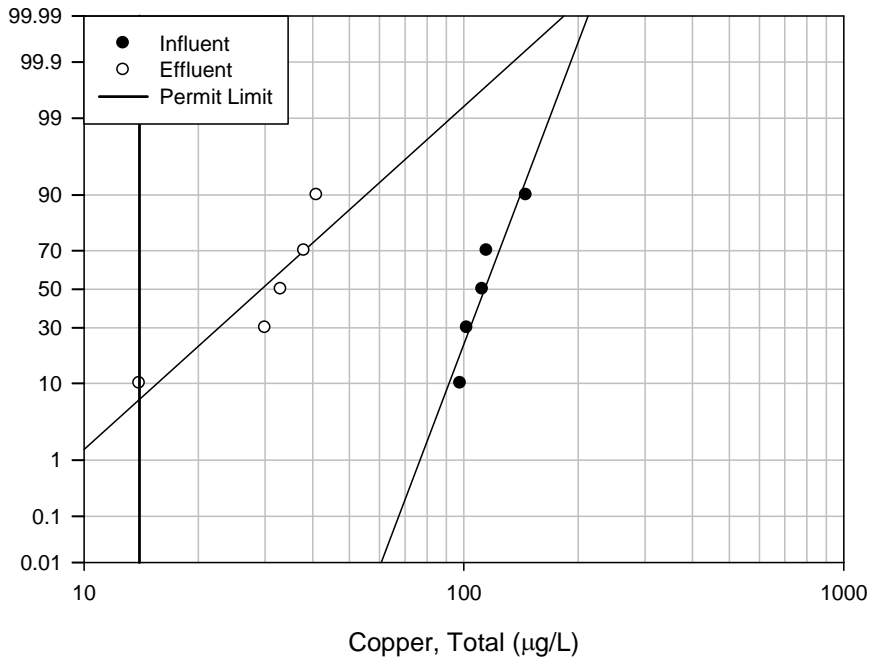
Total Copper
Peat Moss (P)



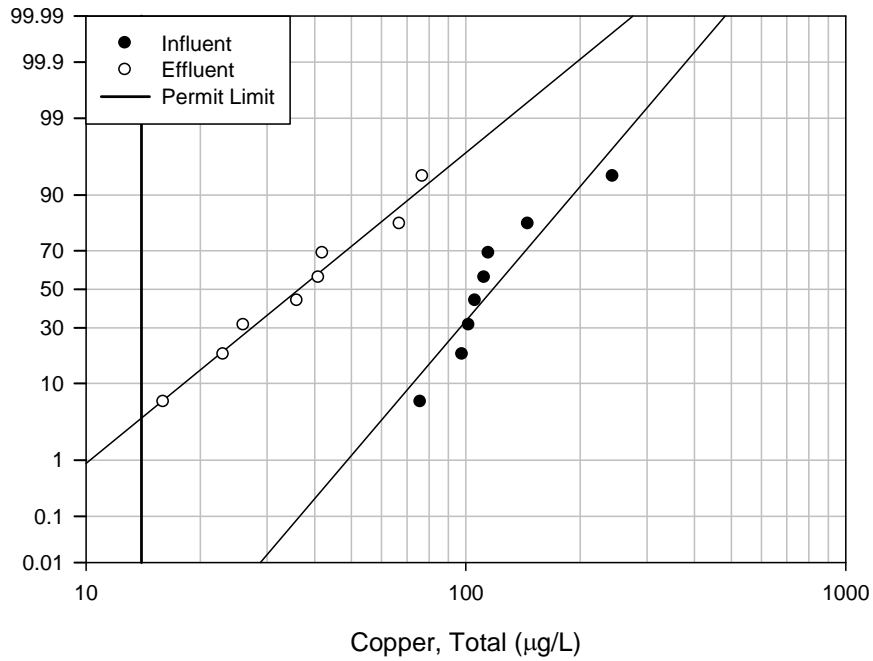
Total Copper
Rhyolite Sand (R)



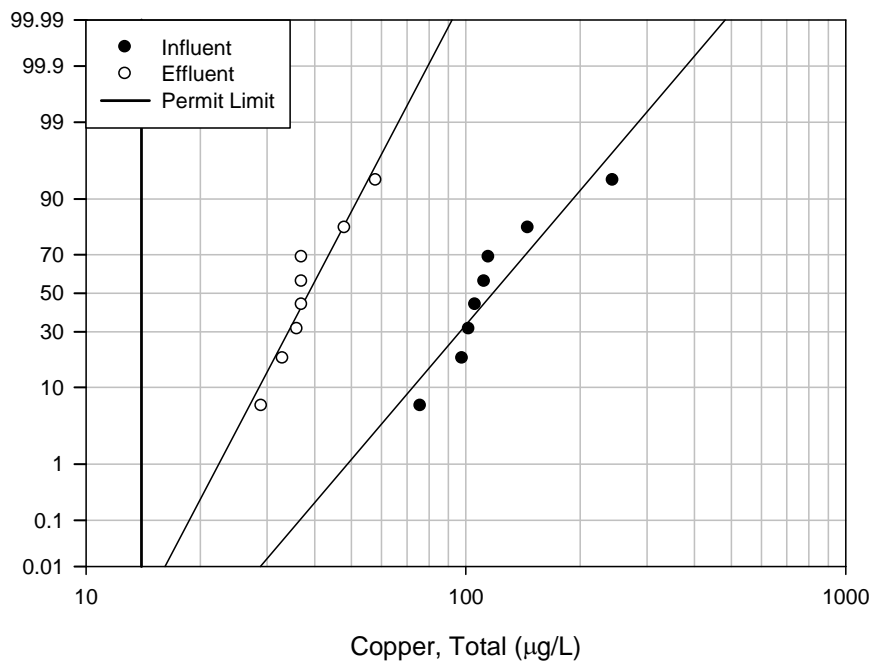
Total Copper
Site Sand (S)



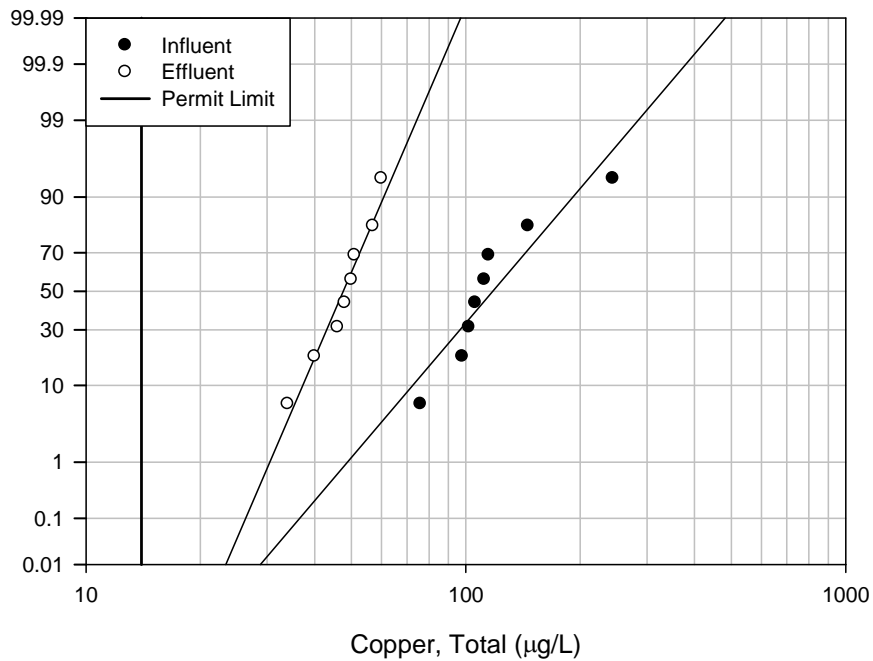
Total Copper
Site Zeolite (Z)



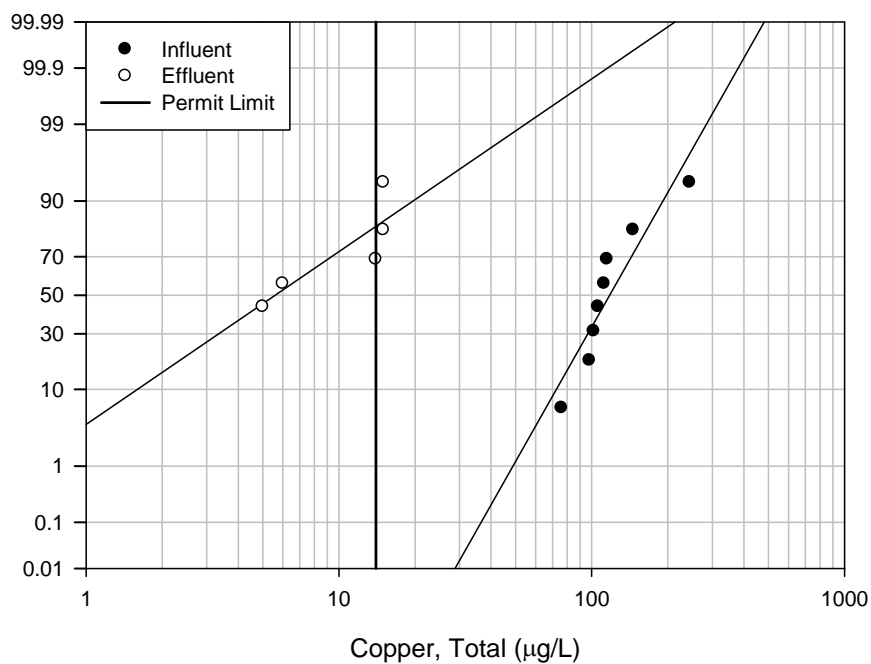
Total Copper
Surface Modified Zeolite (SMZ)



Total Copper Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

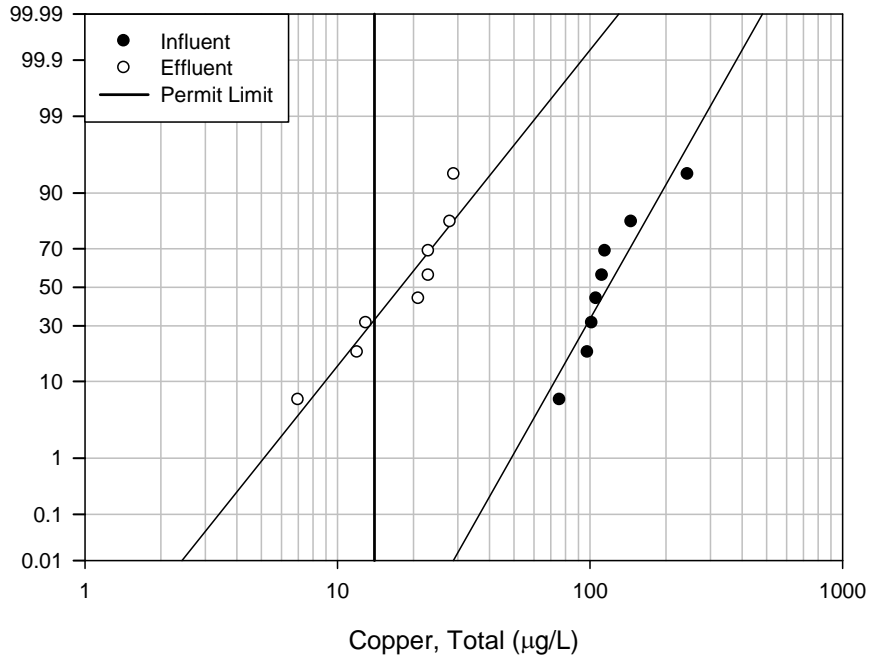


Total Copper Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



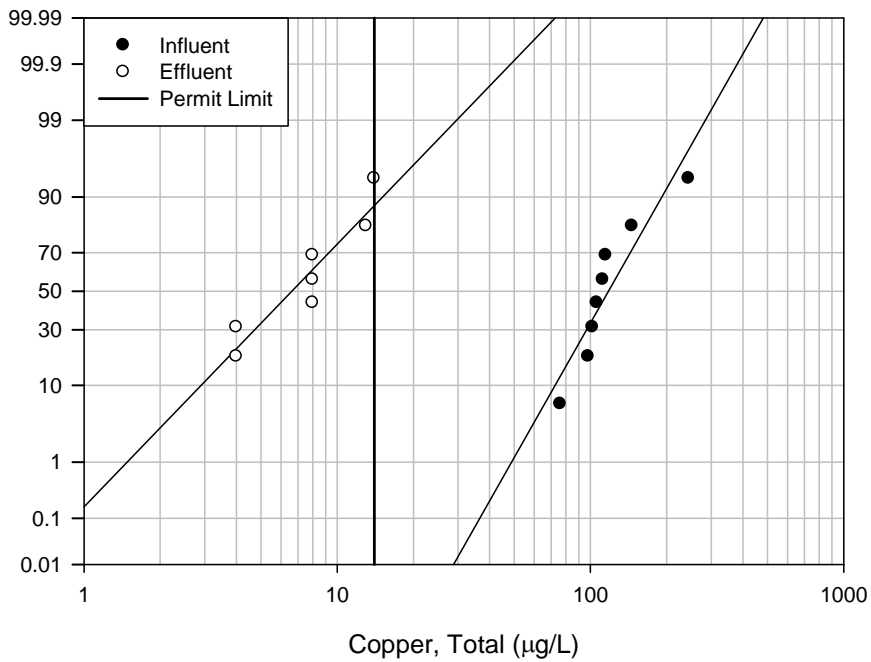
Total Copper

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



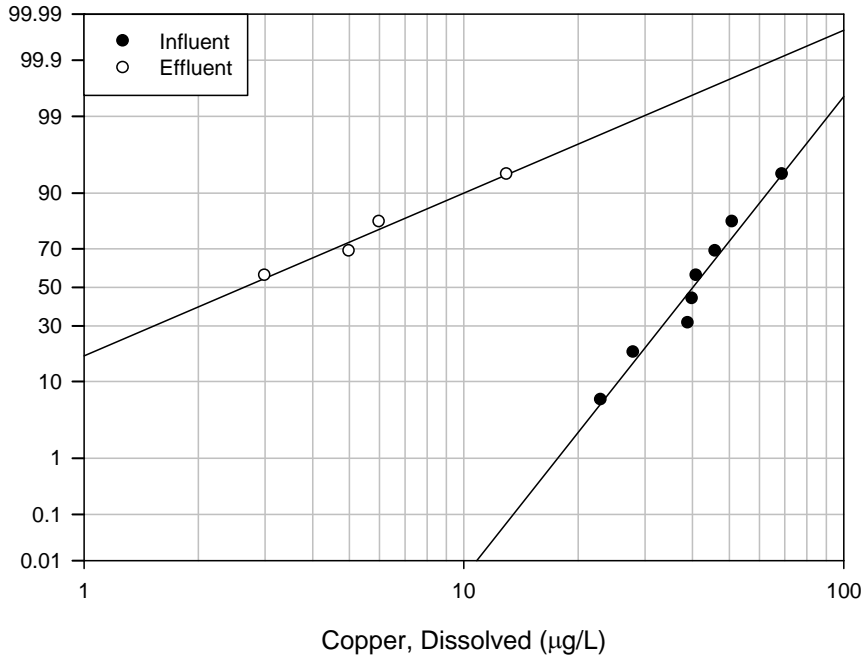
Total Copper

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

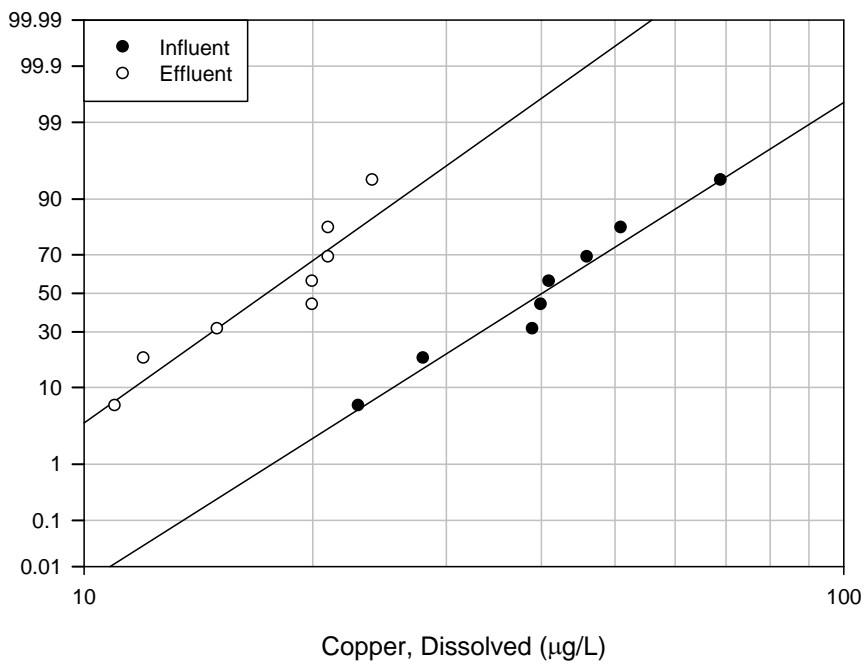


Copper, Filtered

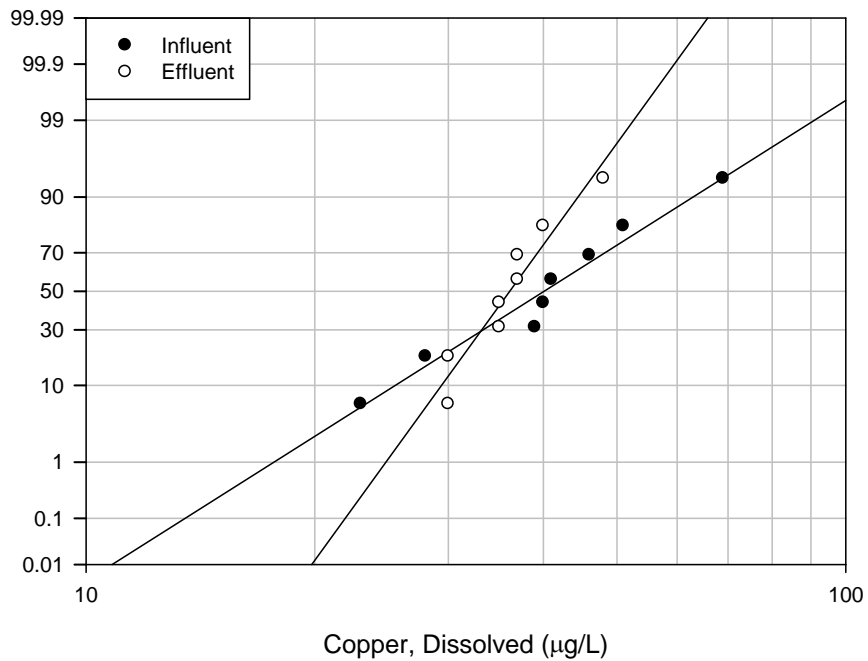
Dissolved Copper
Granular Activated Carbon (GAC)



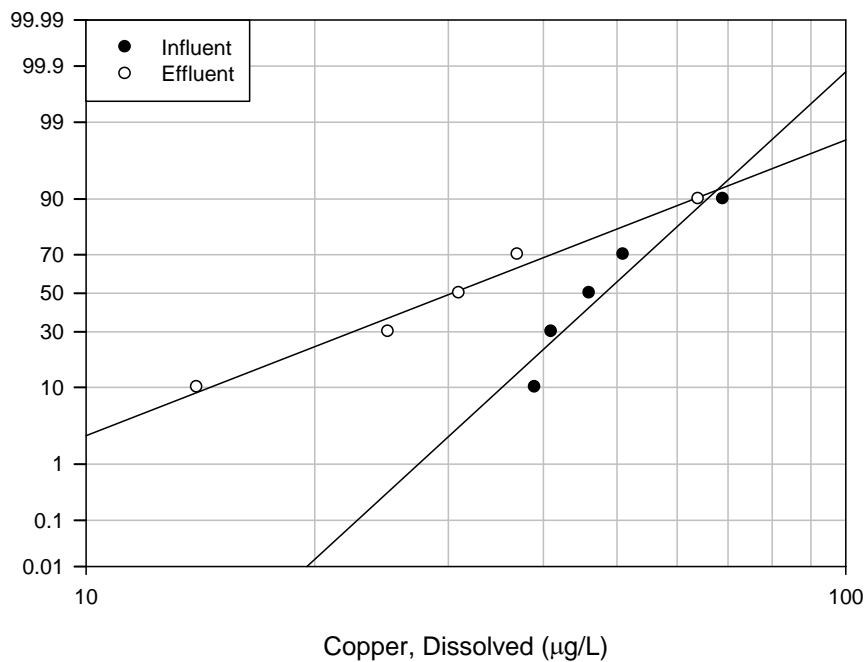
Dissolved Copper
Peat Moss (P)



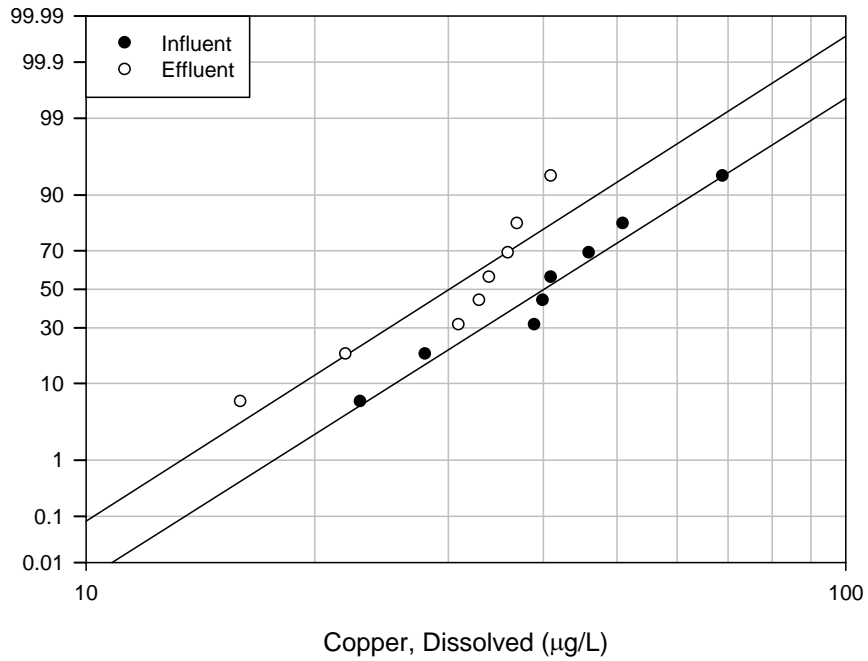
Dissolved Copper
Rhyolite Sand (R)



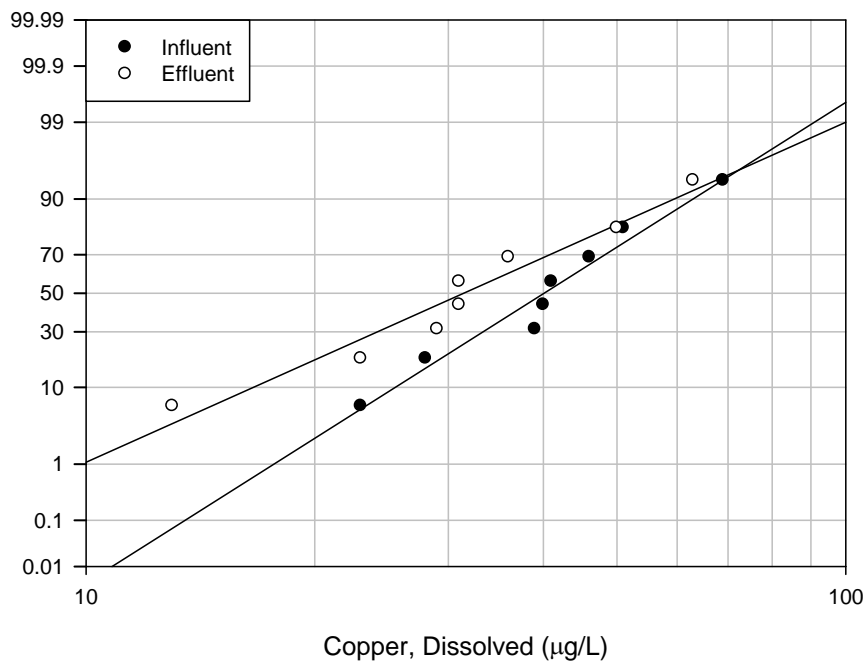
Dissolved Copper
Site Sand (S)



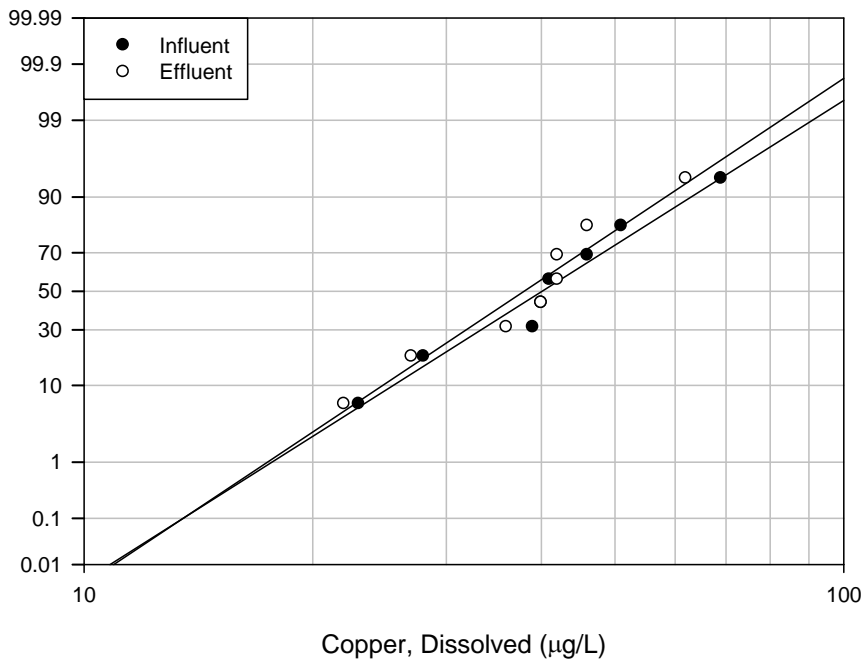
Dissolved Copper Site Zeolite (Z)



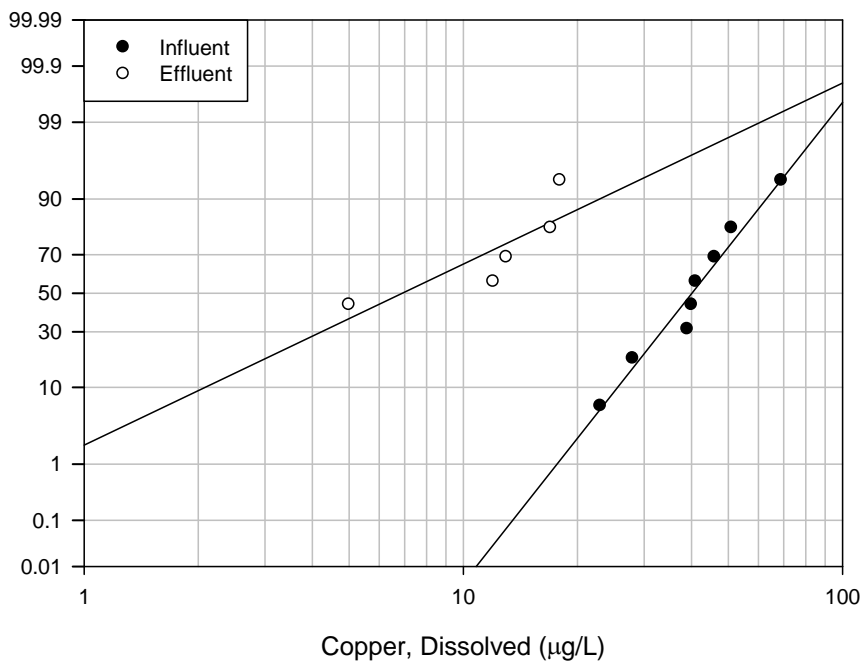
Dissolved Copper Surface Modified Zeolite (SMZ)



Dissolved Copper
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

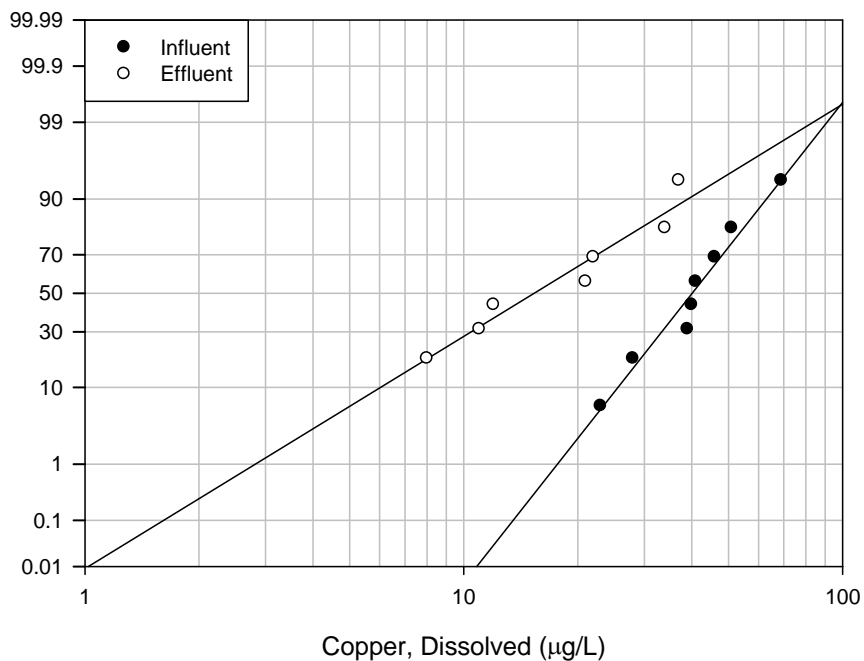


Dissolved Copper
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



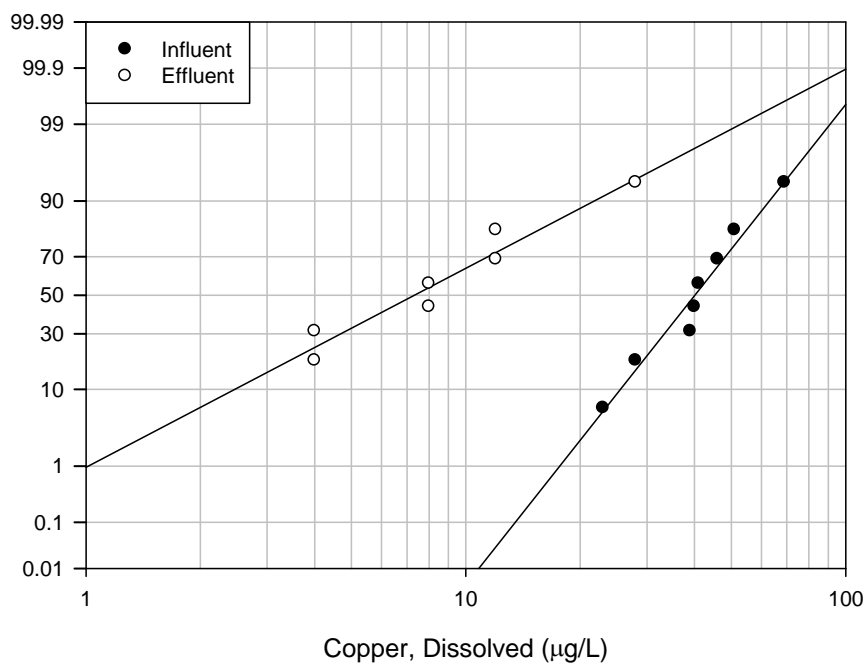
Dissolved Copper

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



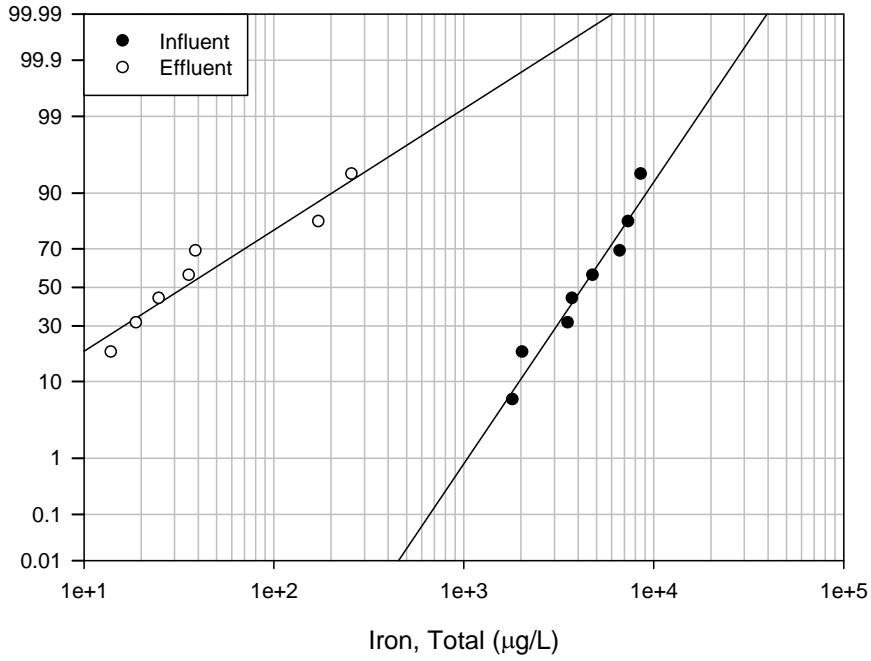
Dissolved Copper

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

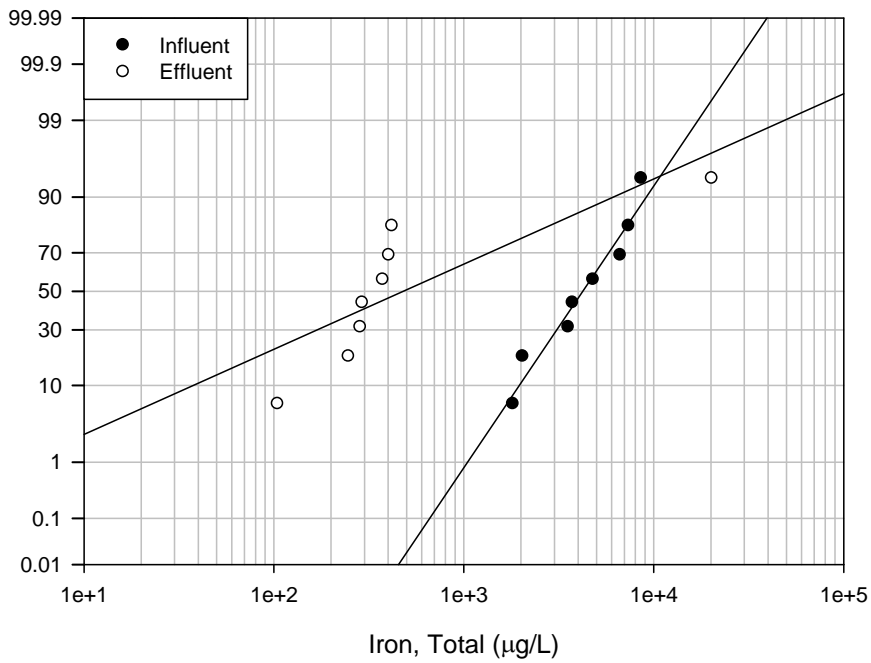


Iron, Total

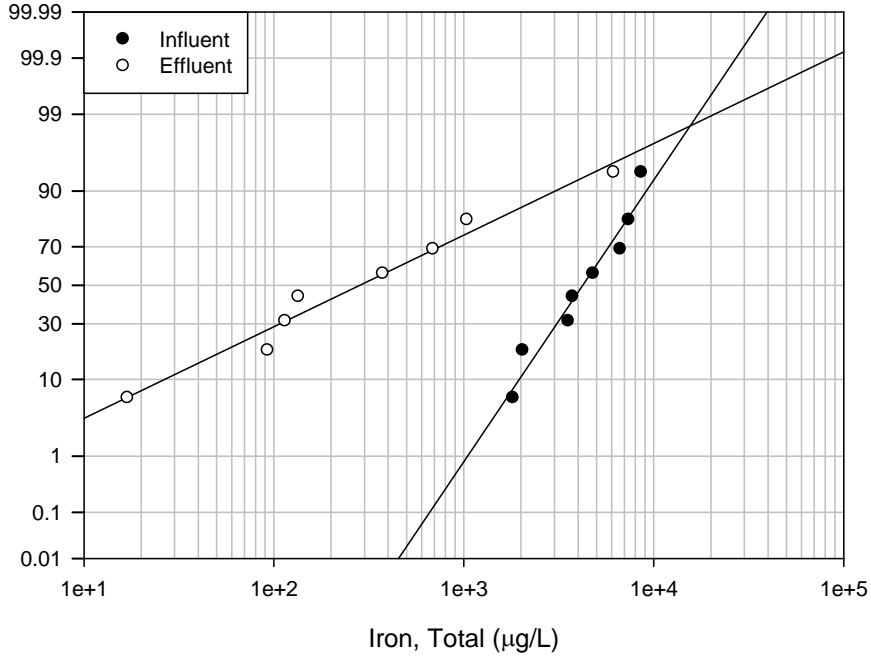
Total Iron
Granular Activated Carbon (GAC)



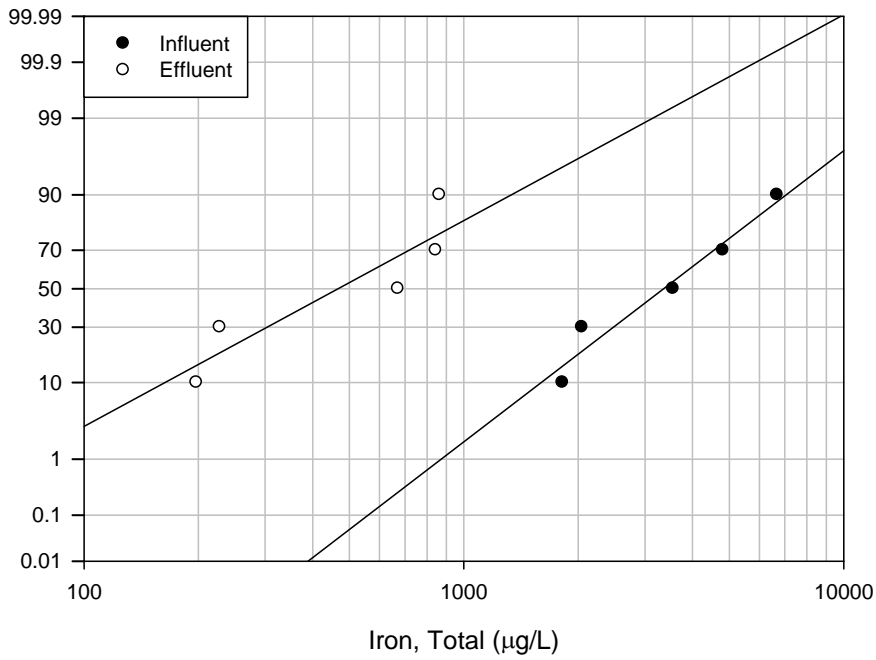
Total Iron
Peat Moss (P)



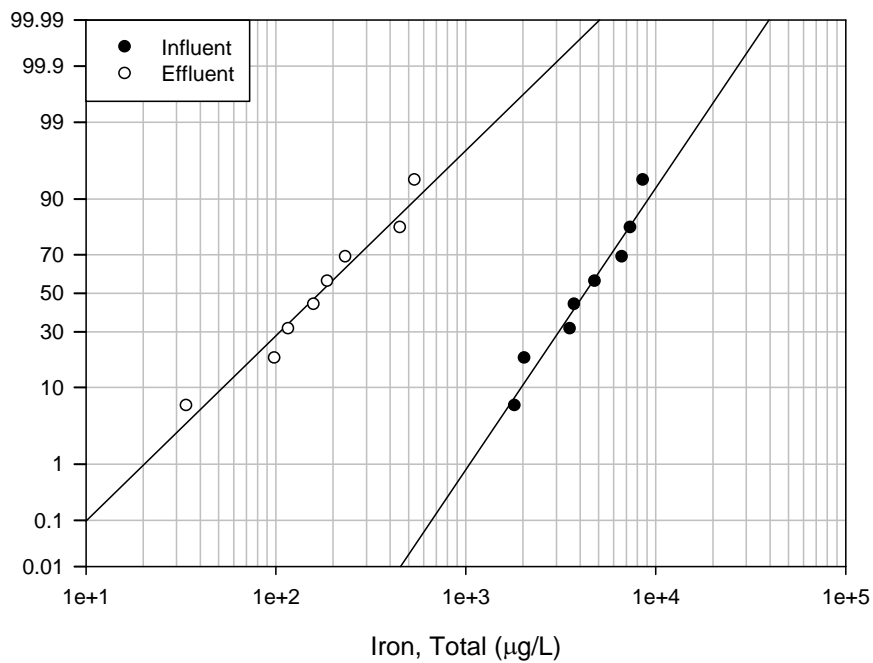
Total Iron
Rhyolite Sand (R)



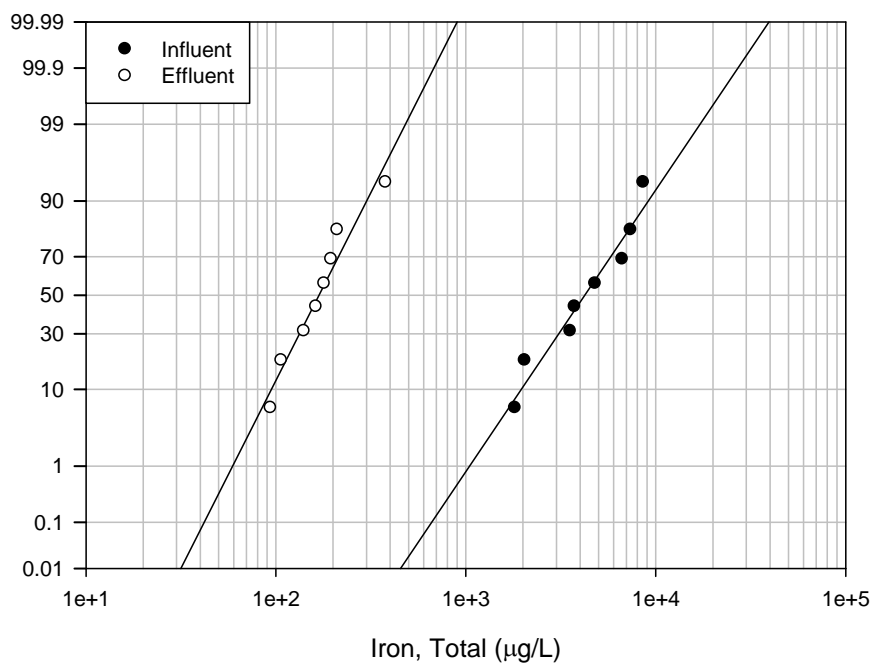
Total Iron
Site Sand (S)



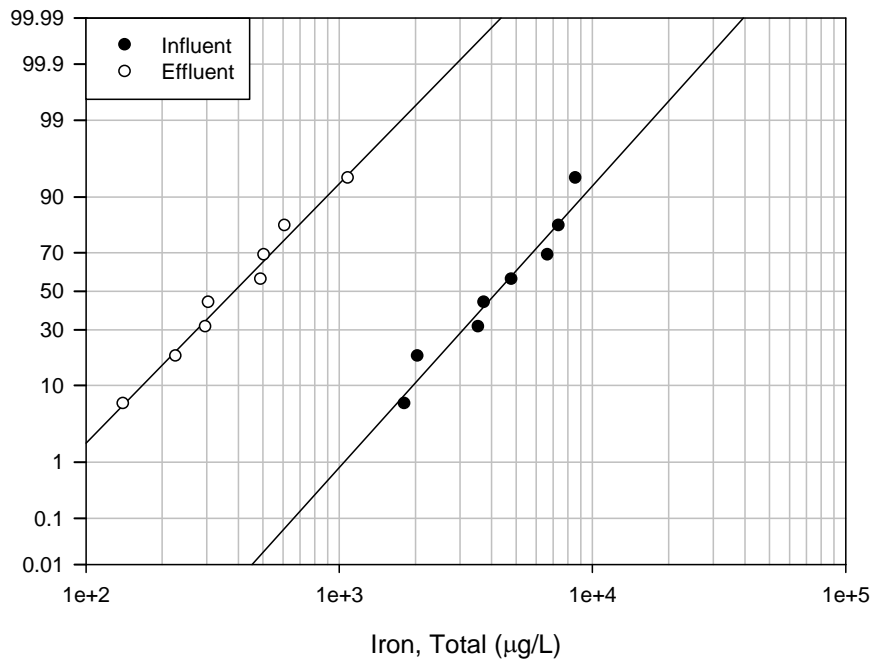
Total Iron Site Zeolite (Z)



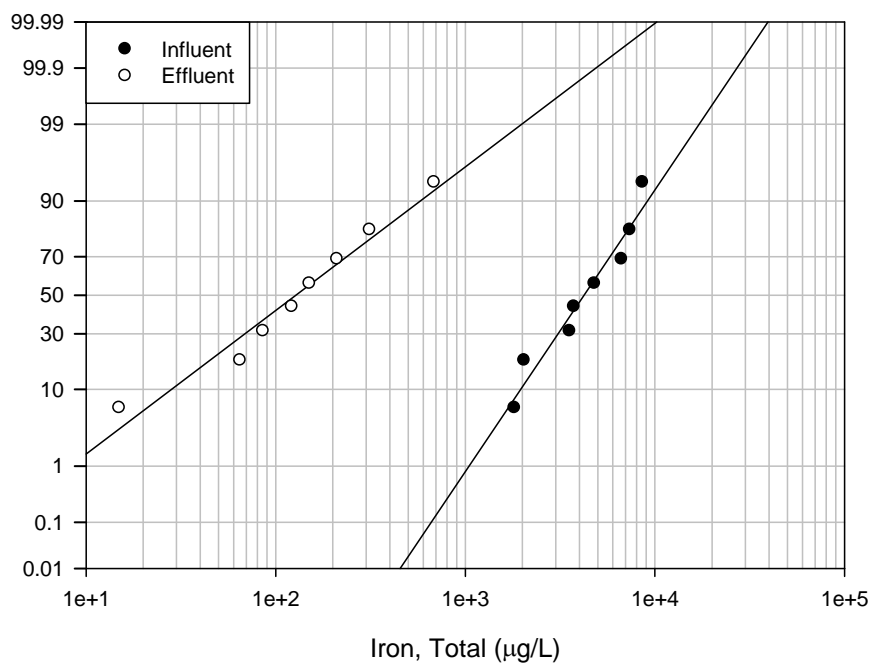
Total Iron Surface Modified Zeolite (SMZ)



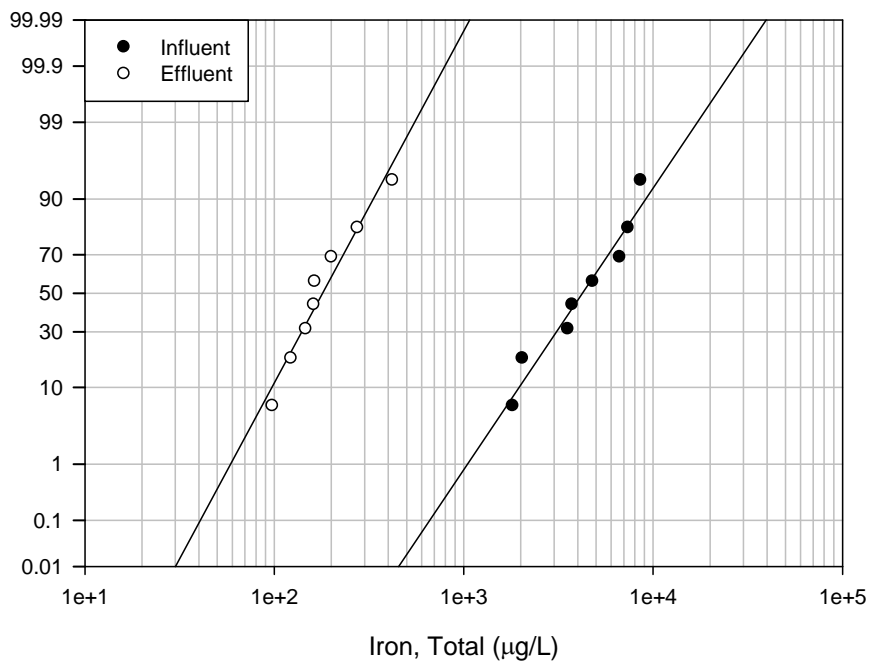
Total Iron
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)



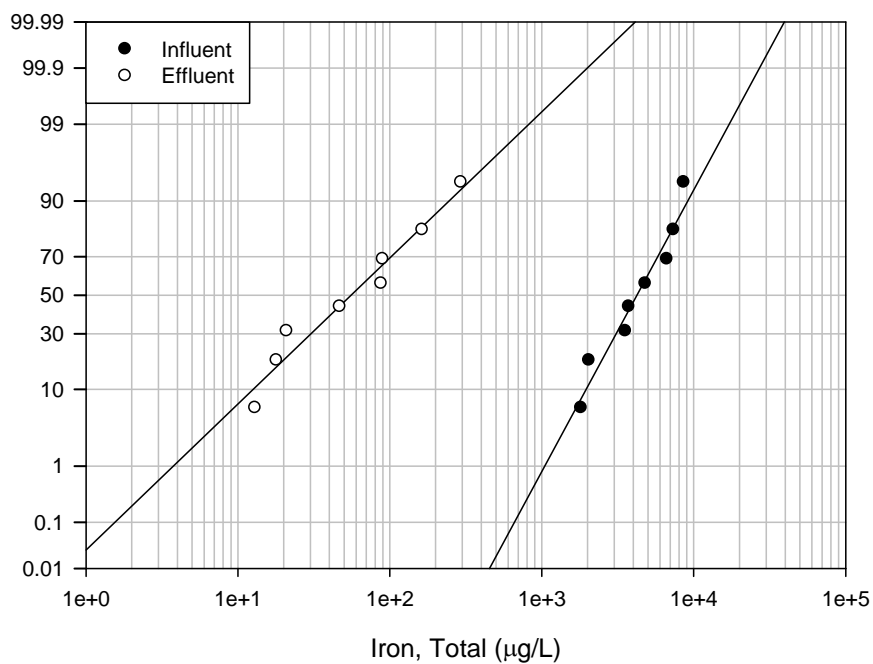
Total Iron
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



Total Iron
 Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)

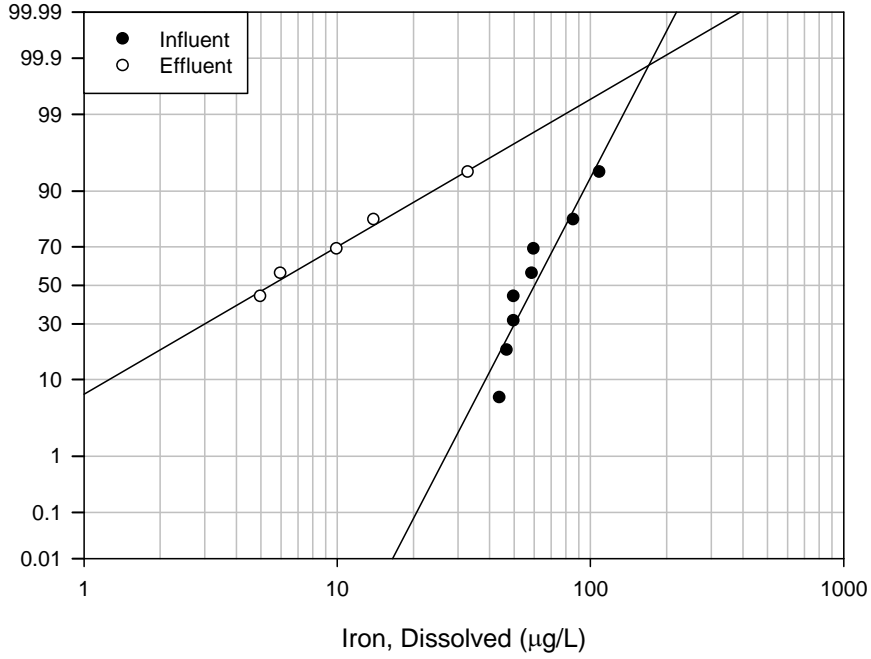


Total Iron
 Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

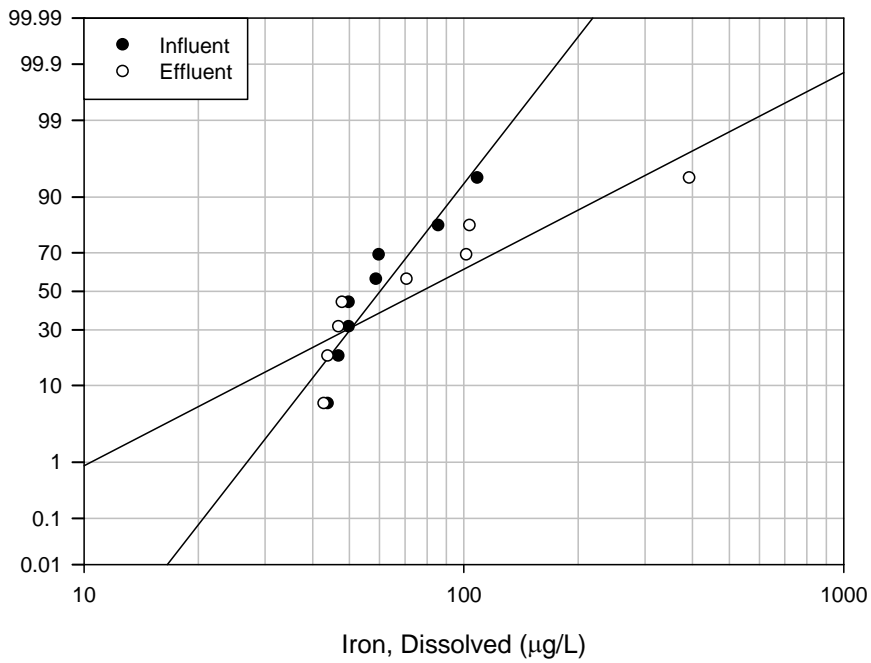


Iron, Filtered

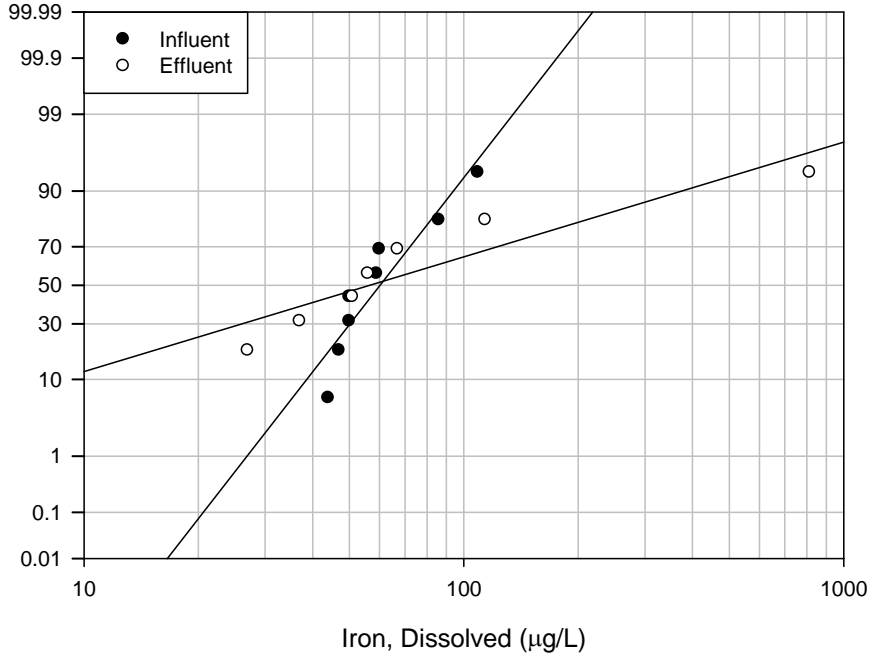
Dissolved Iron
Granular Activated Carbon (GAC)



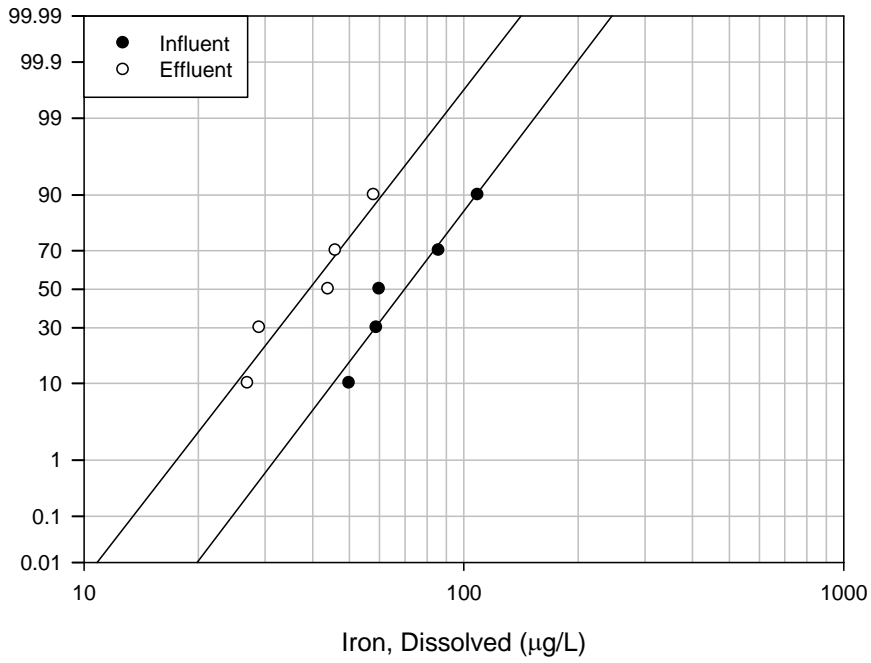
Dissolved Iron
Peat Moss (P)



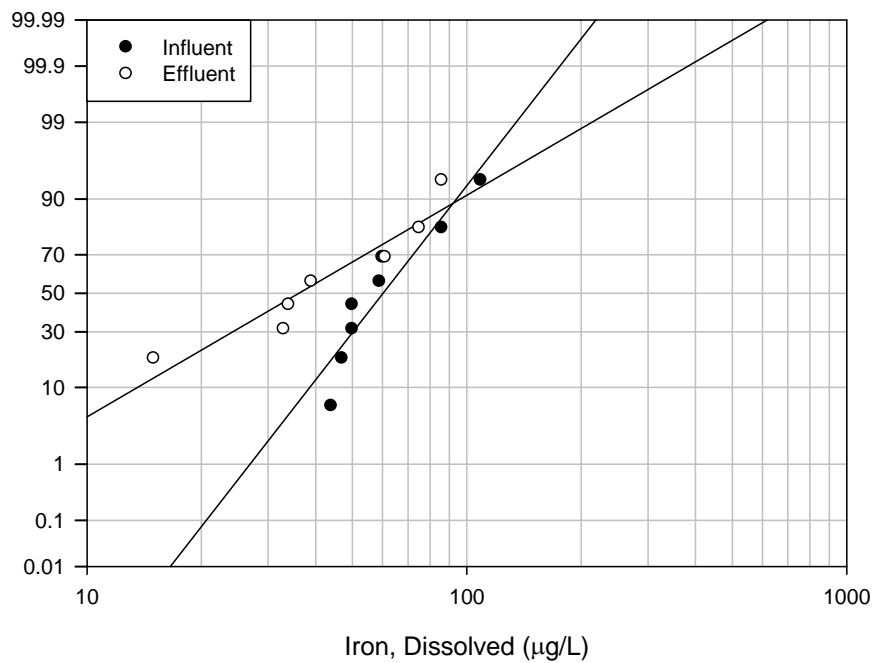
Dissolved Iron
Rhyolite Sand (R)



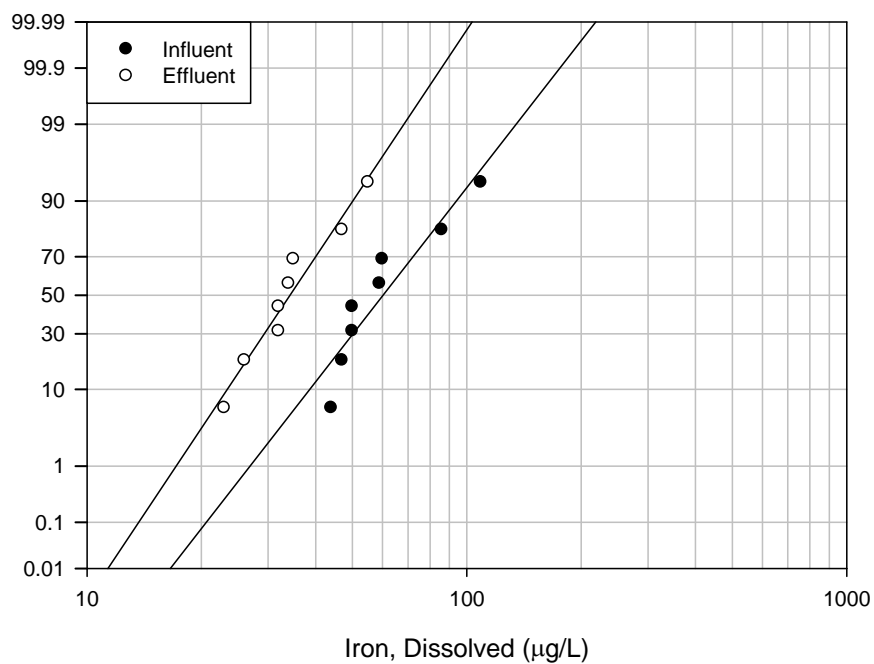
Dissolved Iron
Site Sand (S)



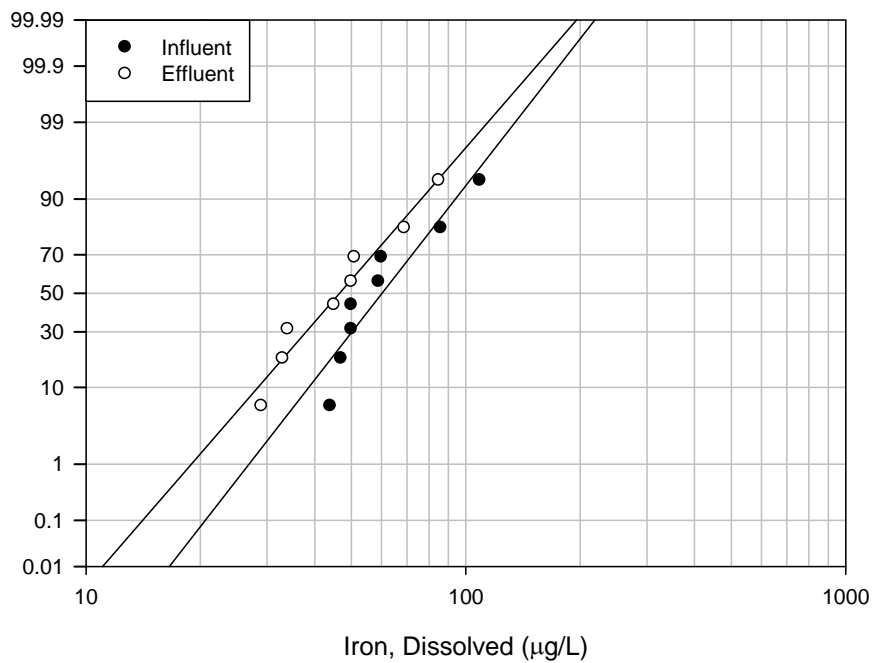
Dissolved Iron Site Zeolite (Z)



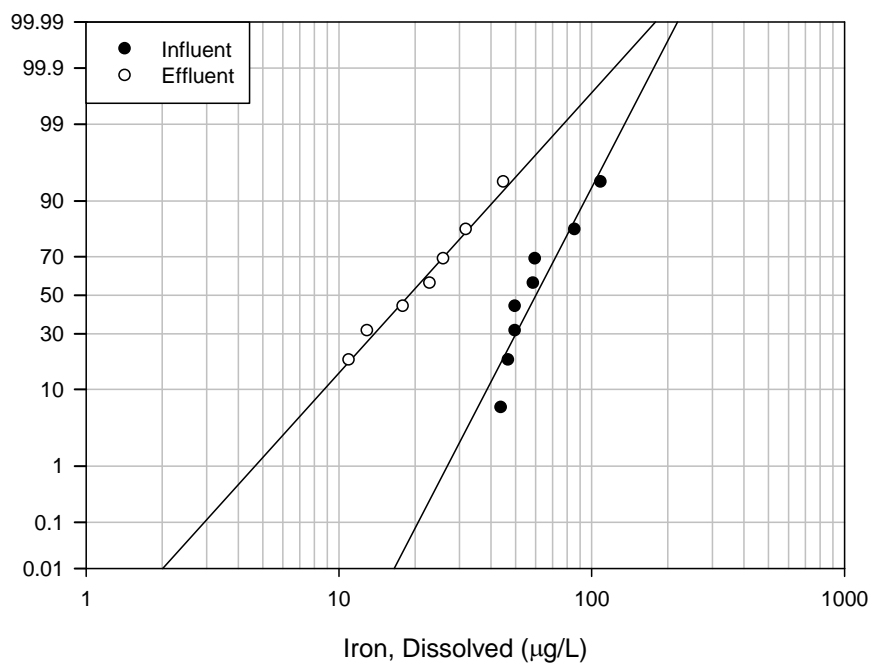
Dissolved Iron Surface Modified Zeolite (SMZ)



Dissolved Iron
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

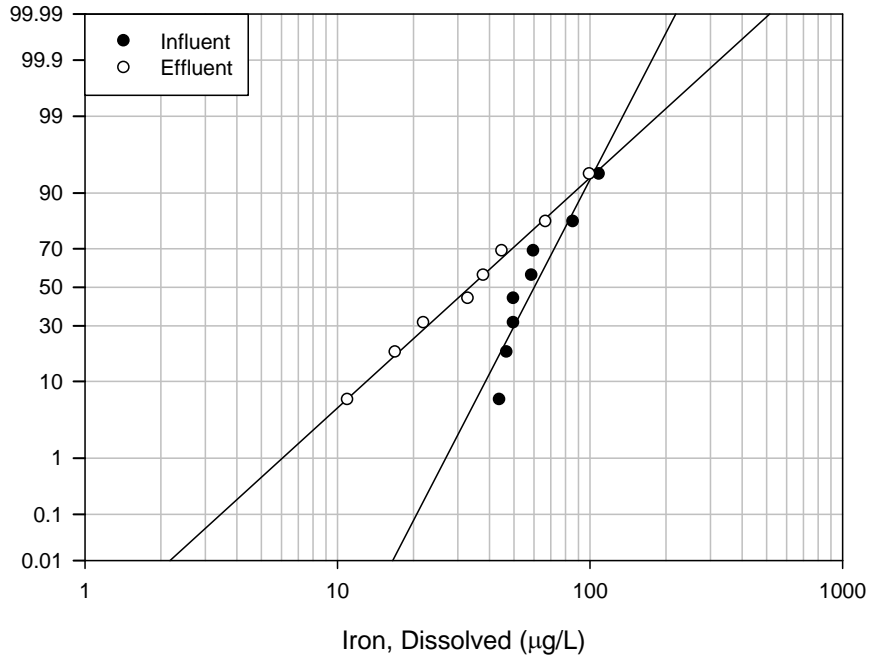


Dissolved Iron
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



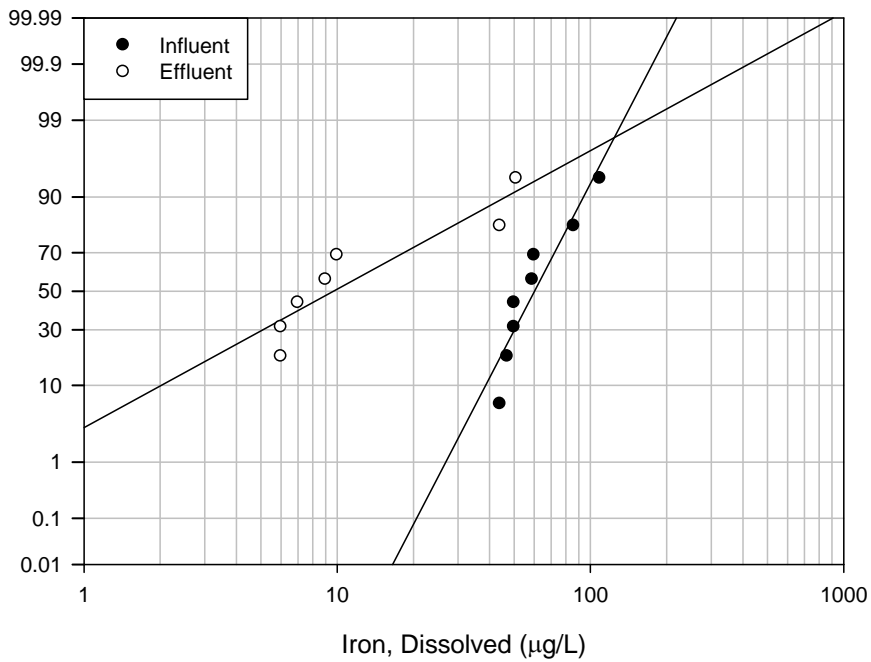
Dissolved Iron

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



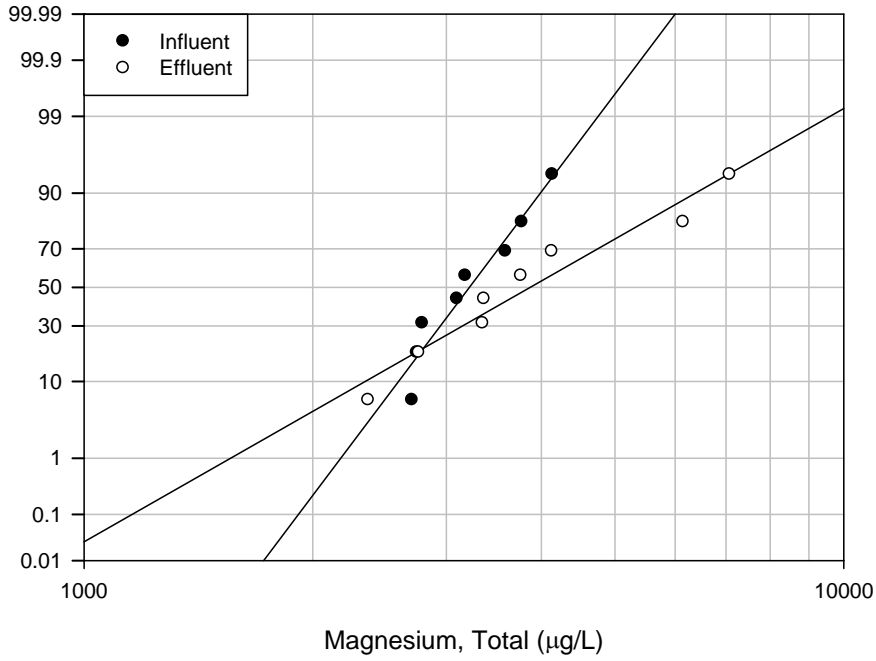
Dissolved Iron

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

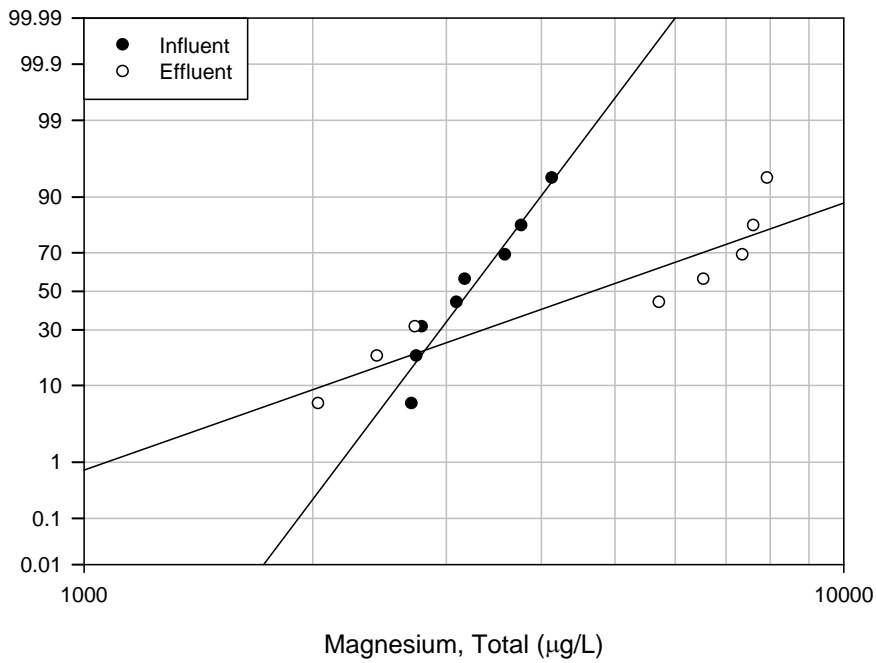


Magnesium, Total

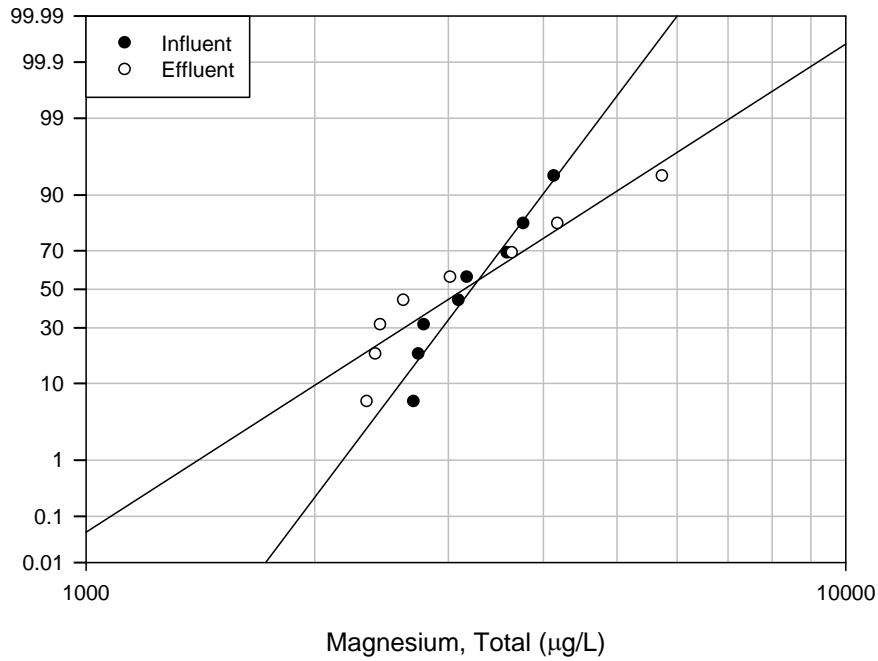
Total Magnesium
Granular Activated Carbon (GAC)



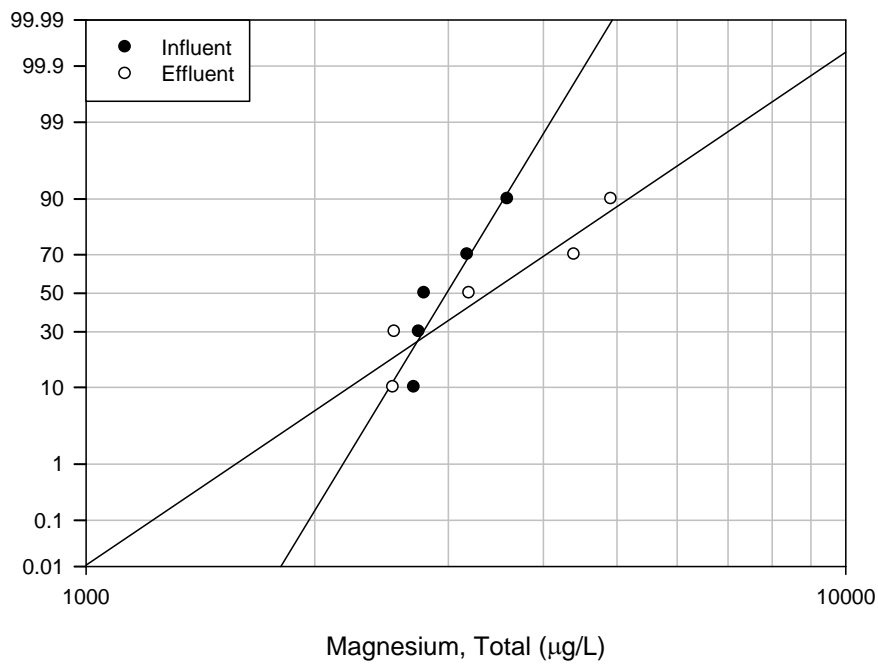
Total Magnesium
Peat Moss (P)



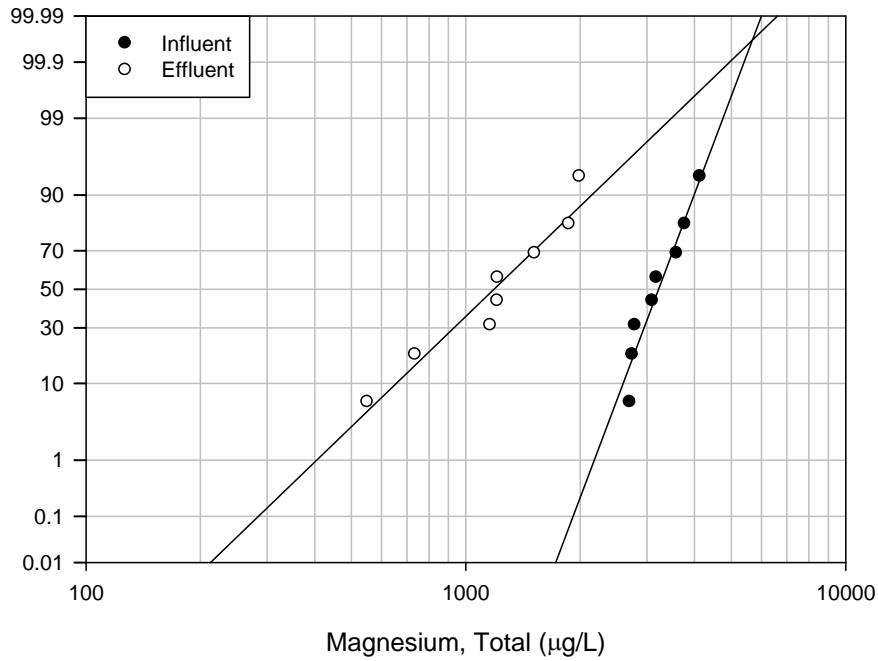
Total Magnesium
Rhyolite Sand (R)



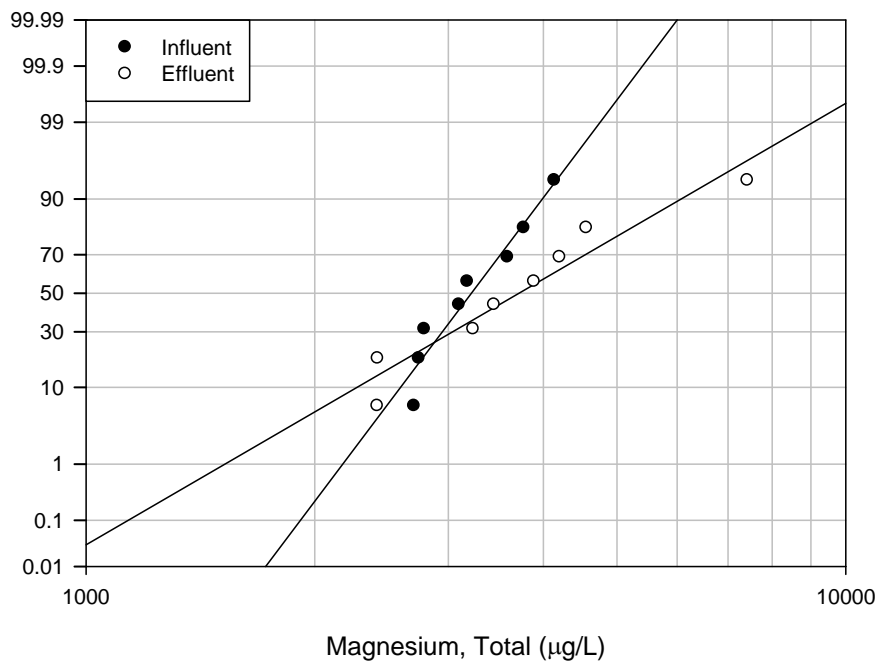
Total Magnesium
Site Sand (S)



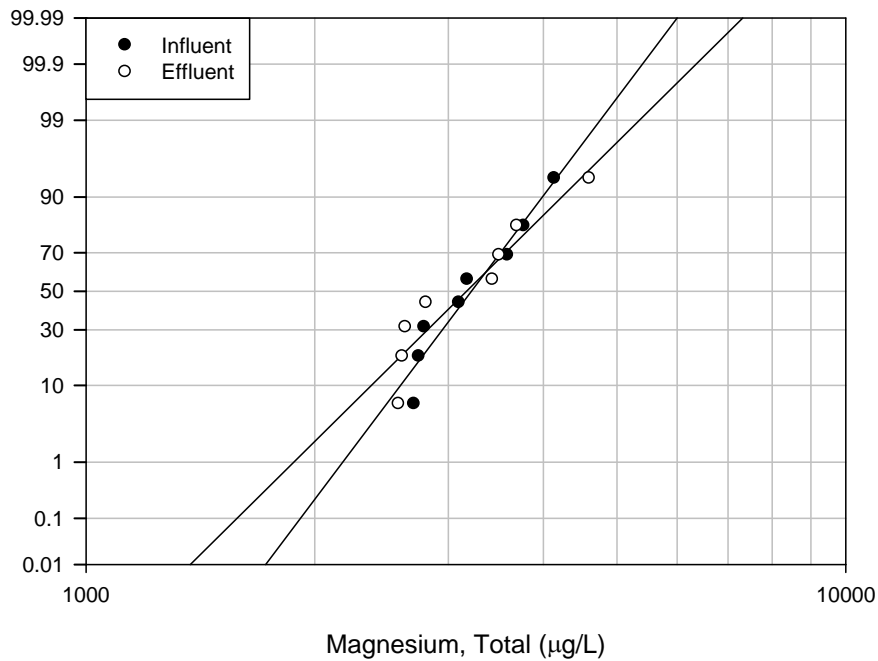
Total Magnesium
Site Zeolite (Z)



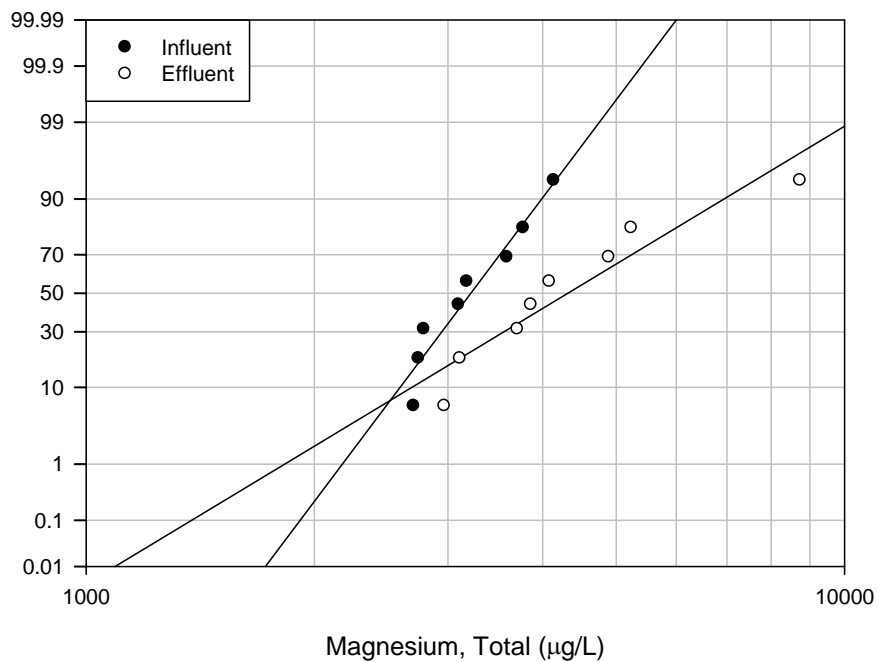
Total Magnesium
Surface Modified Zeolite (SMZ)



Total Magnesium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

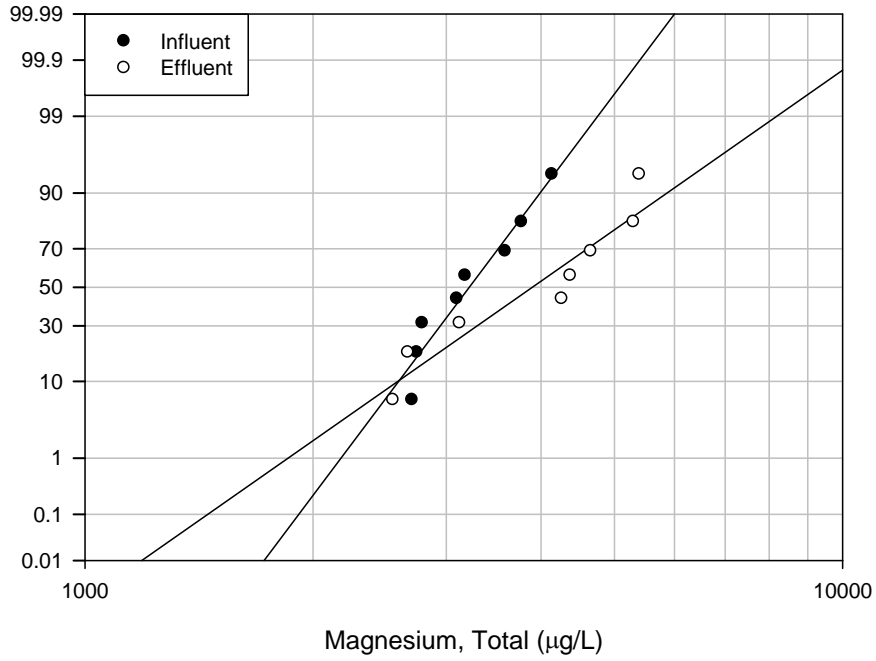


Total Magnesium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



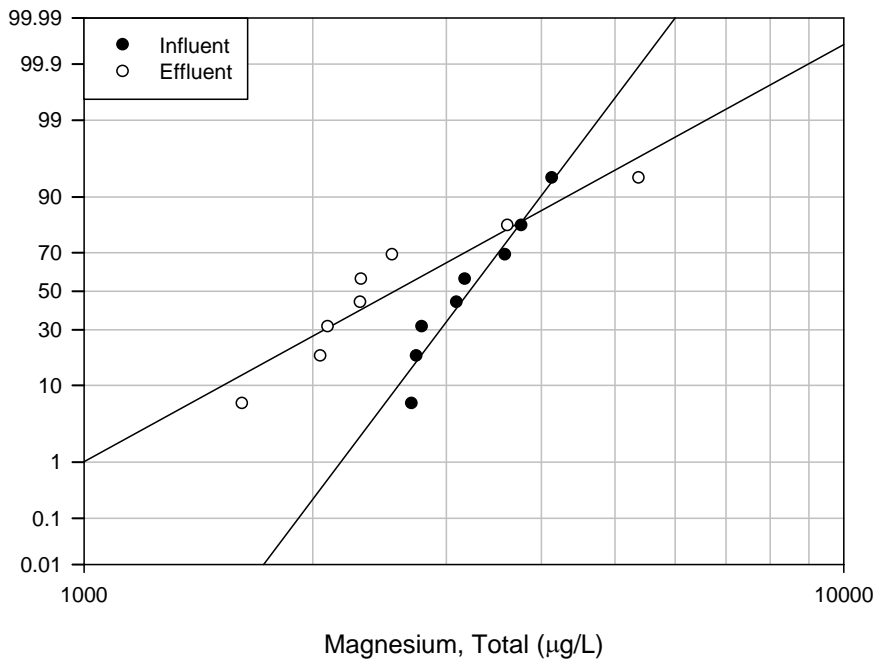
Total Magnesium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



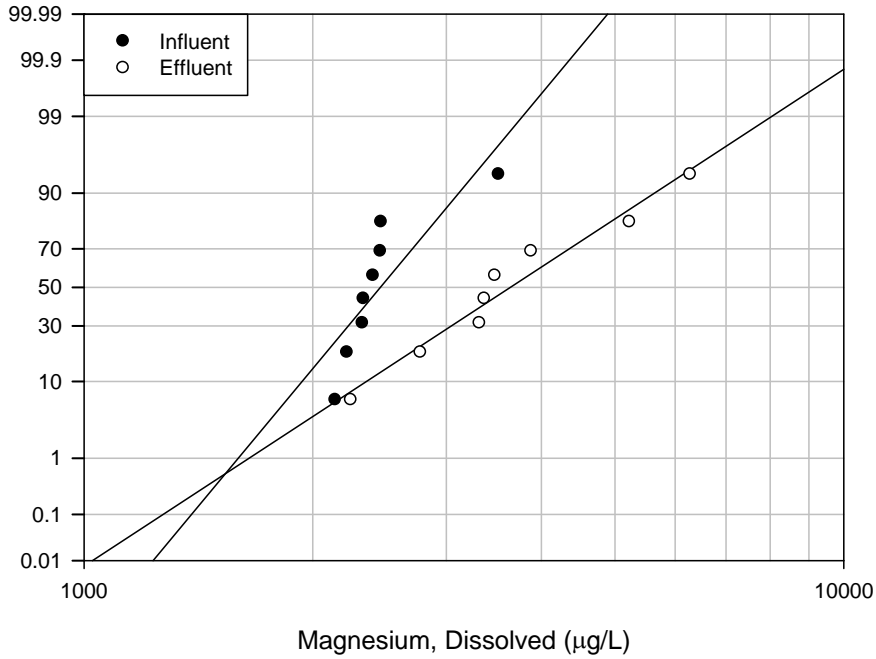
Total Magnesium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

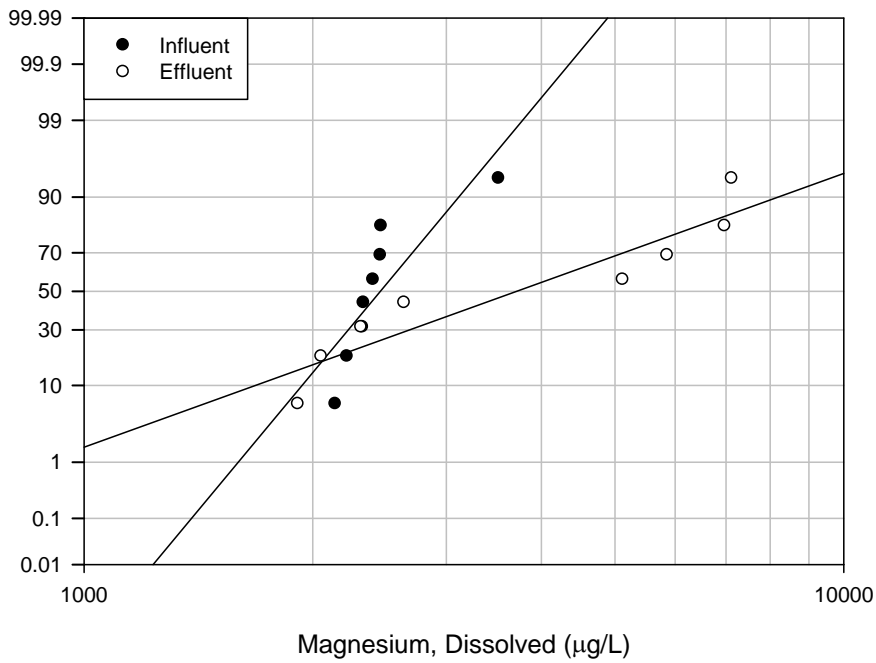


Magnesium, Filtered

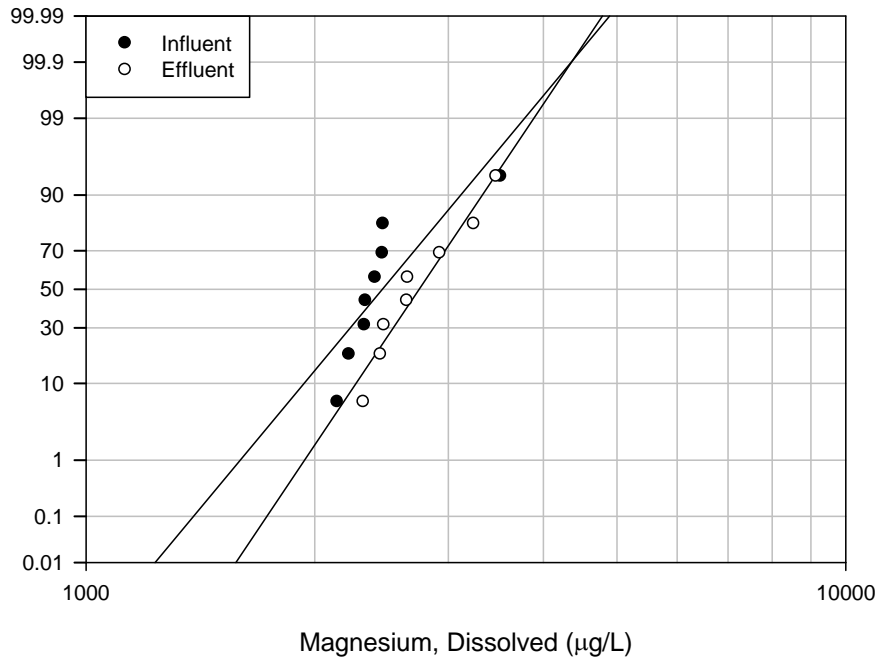
Dissolved Magnesium
Granular Activated Carbon (GAC)



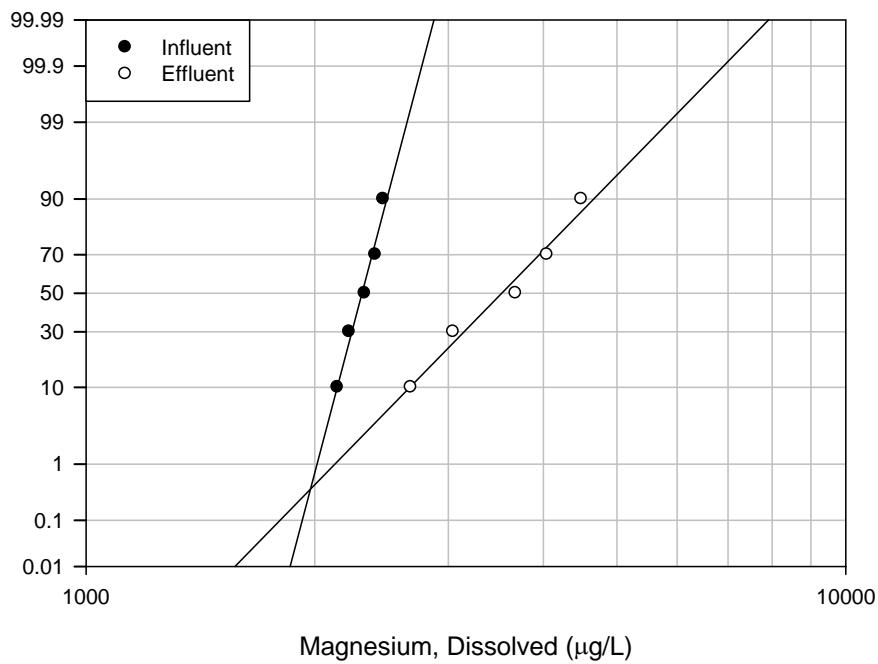
Dissolved Magnesium
Peat Moss (P)



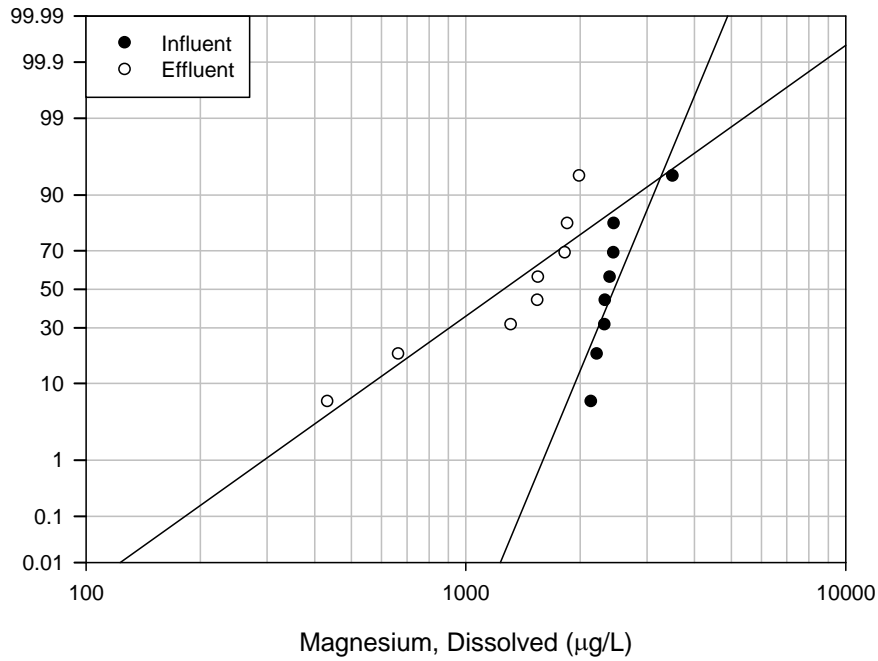
Dissolved Magnesium
Rhyolite Sand (R)



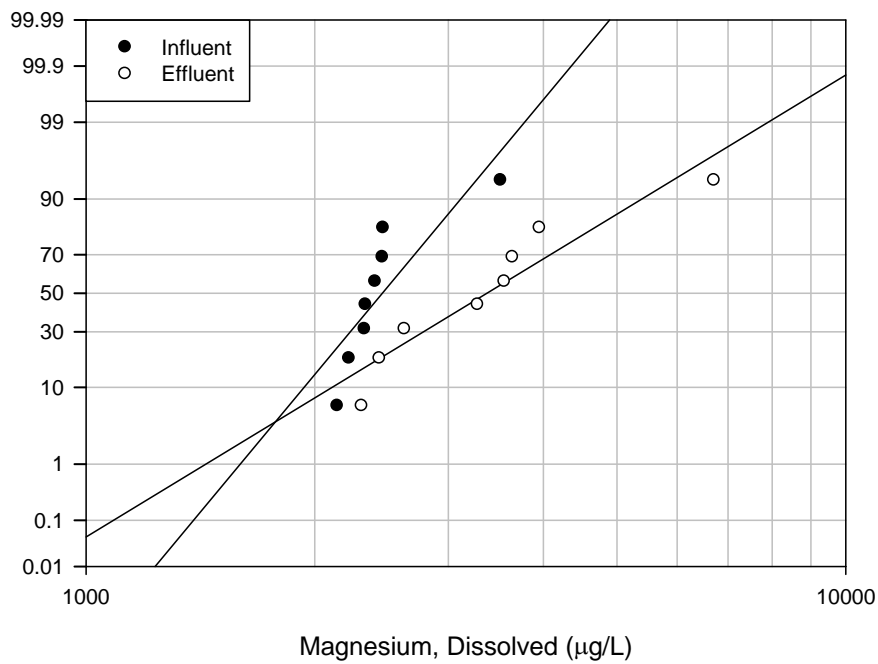
Dissolved Magnesium
Site Sand (S)



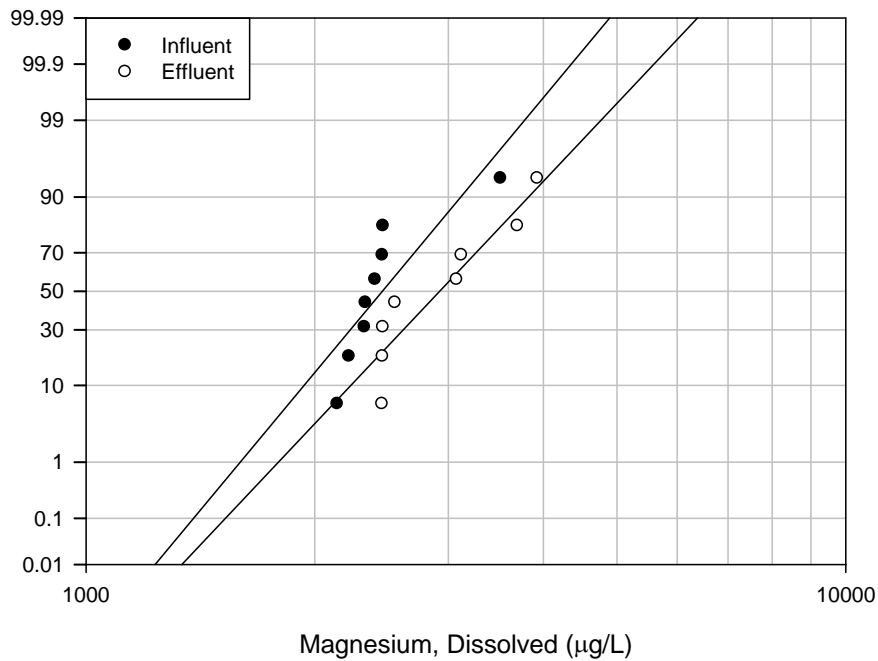
Dissolved Magnesium Site Zeolite (Z)



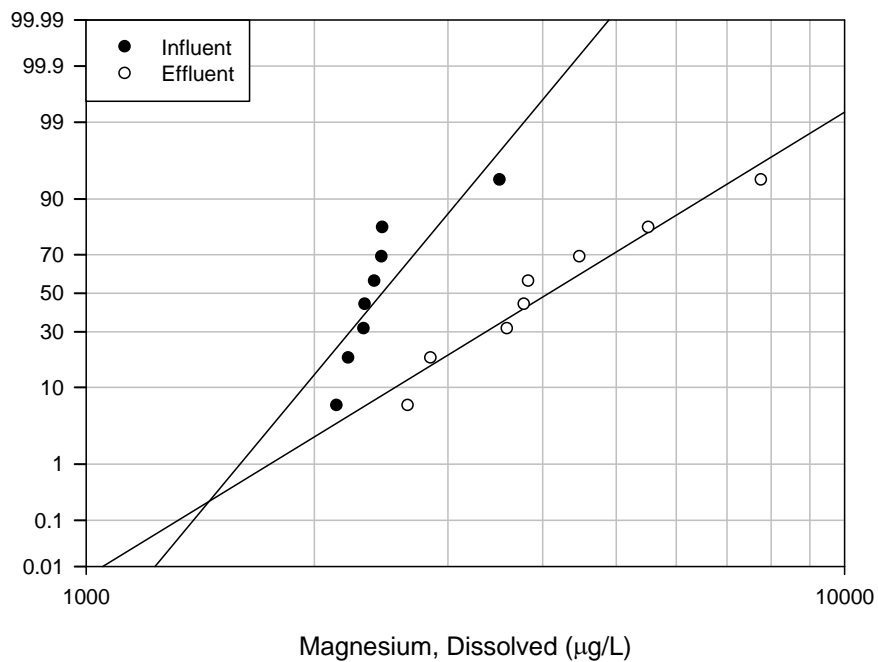
Dissolved Magnesium Surface Modified Zeolite (SMZ)



Dissolved Magnesium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

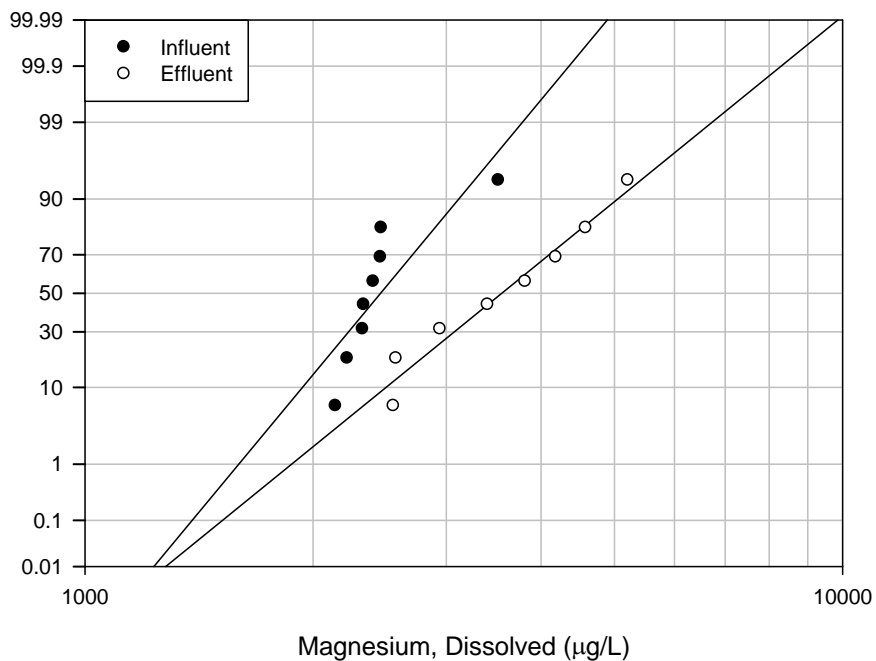


Dissolved Magnesium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



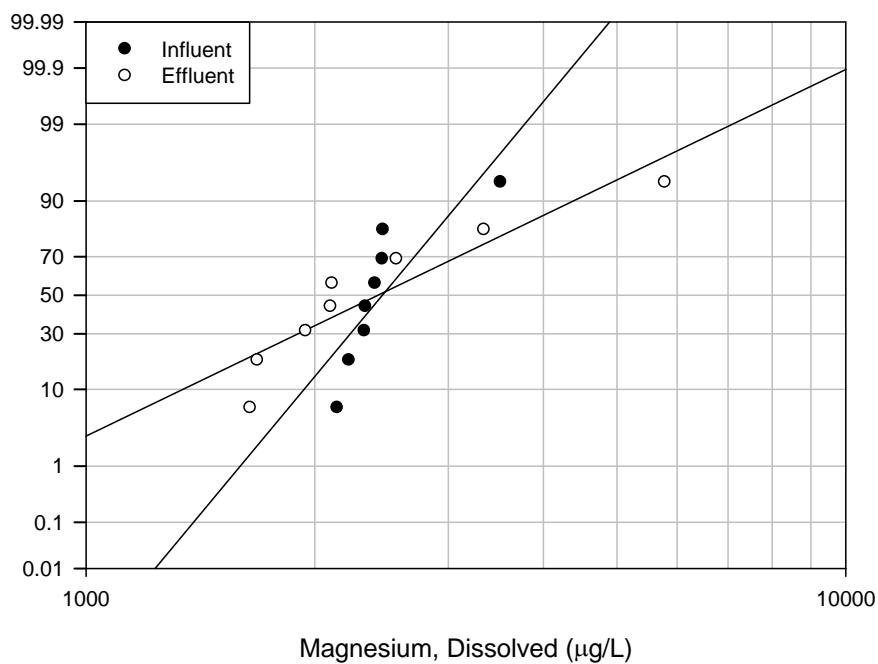
Dissolved Magnesium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



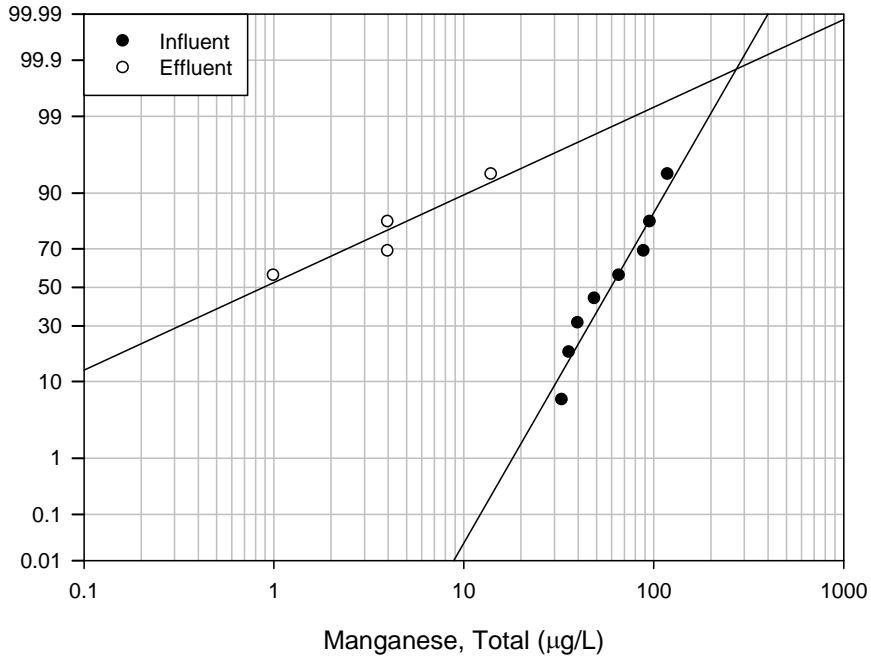
Dissolved Magnesium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

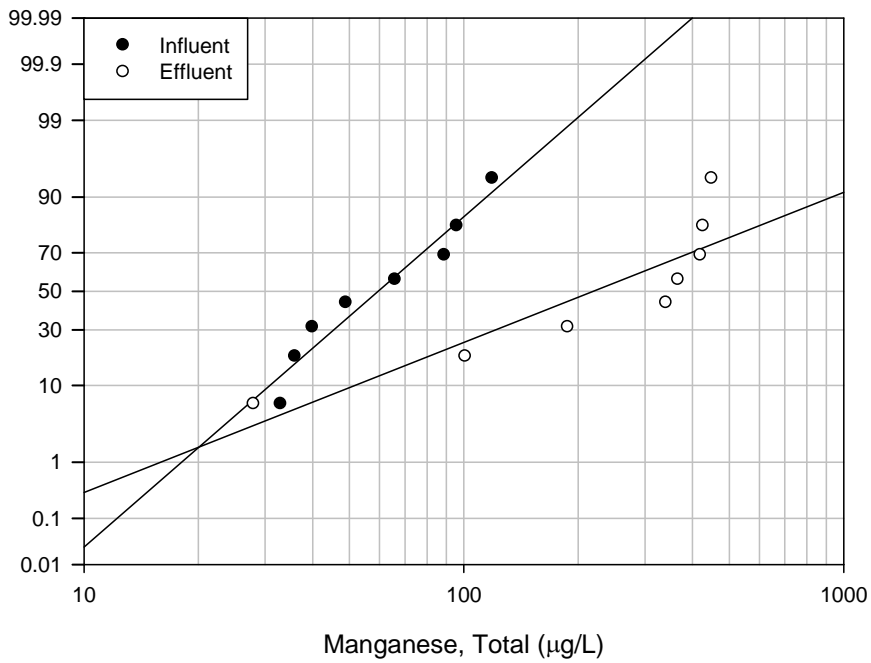


Manganese, Total

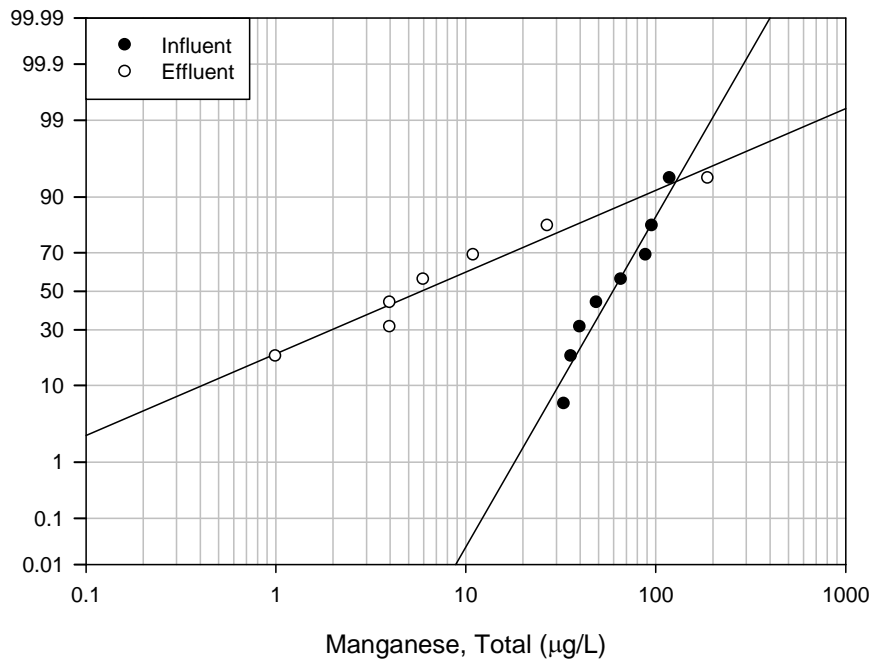
Total Manganese
Granular Activated Carbon (GAC)



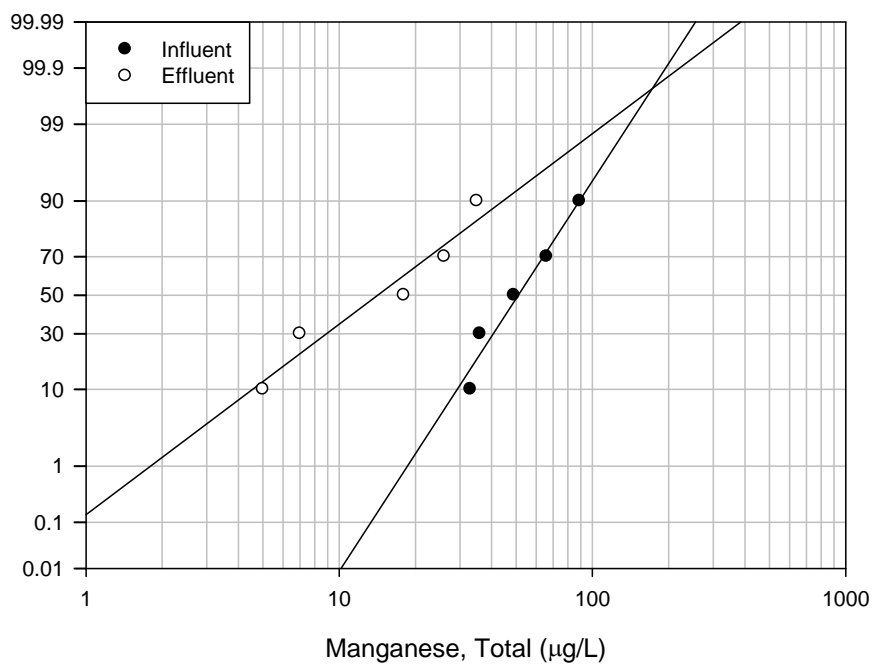
Total Manganese
Peat Moss (P)



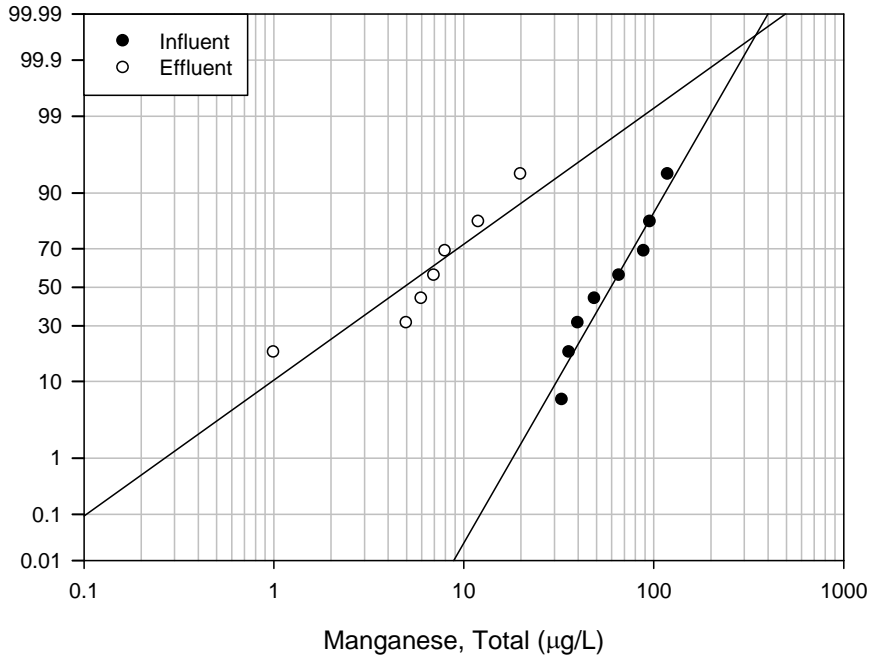
Total Manganese
Rhyolite Sand (R)



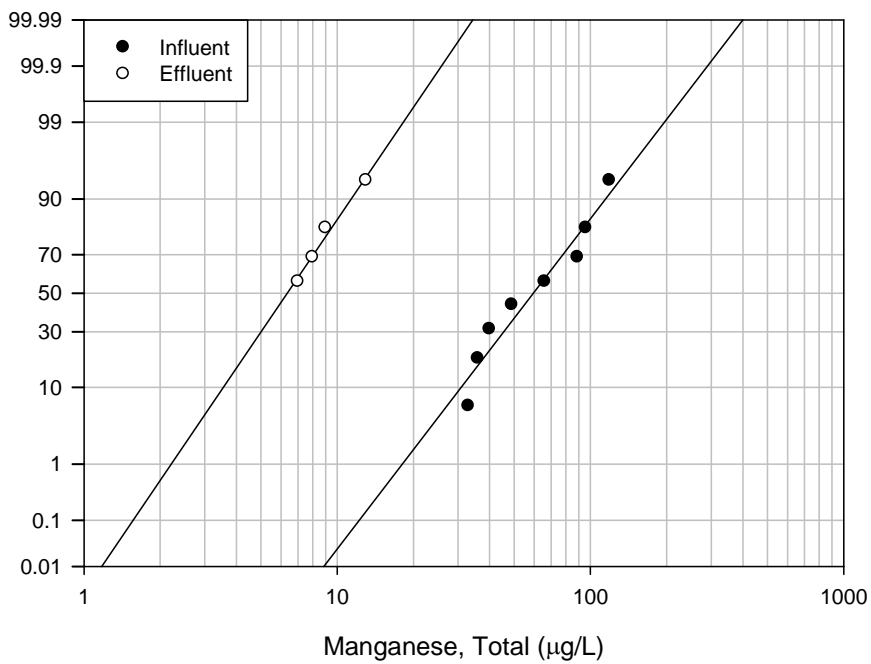
Total Manganese
Site Sand (S)



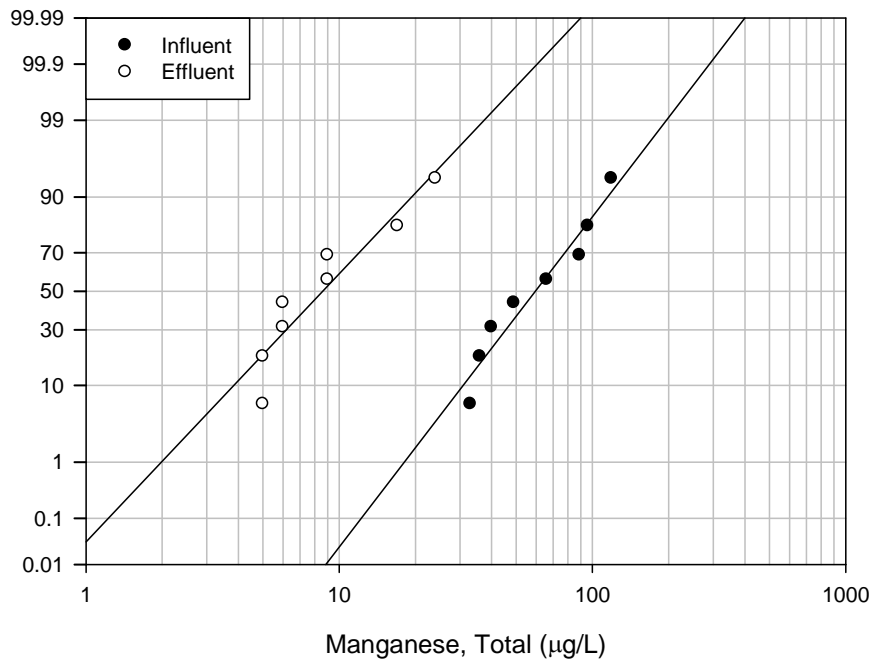
Total Manganese
Site Zeolite (Z)



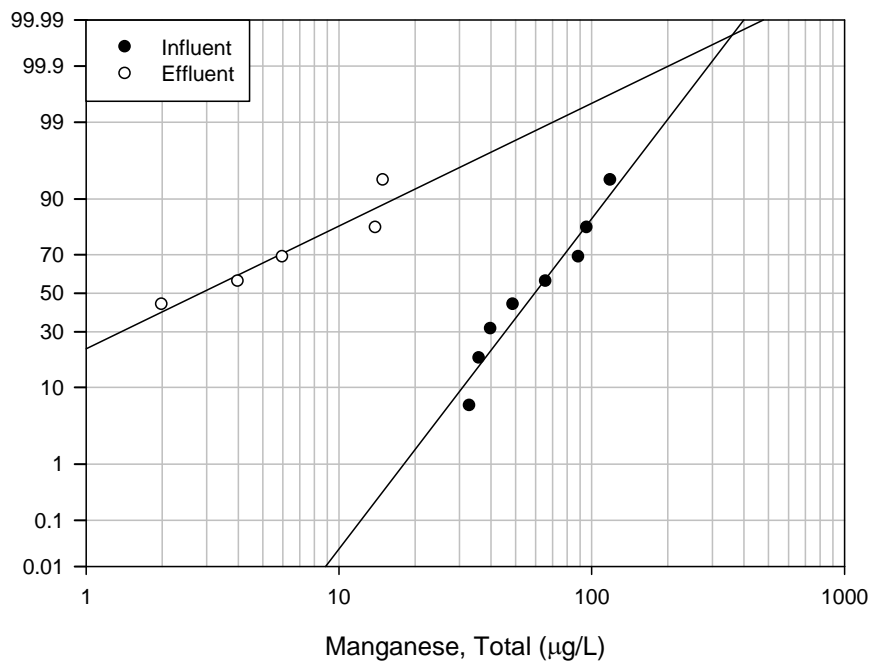
Total Manganese
Surface Modified Zeolite (SMZ)



Total Manganese
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

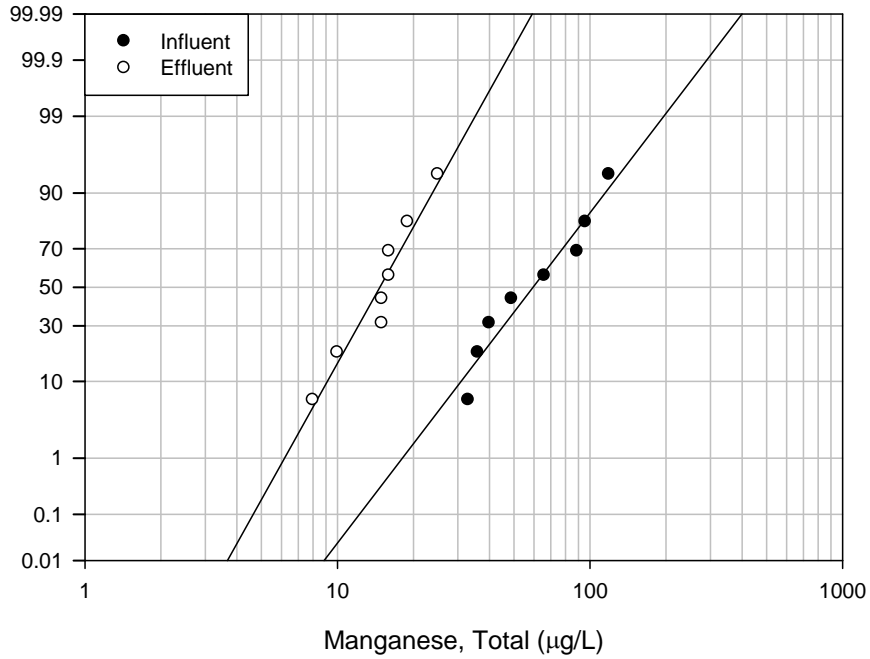


Total Manganese
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



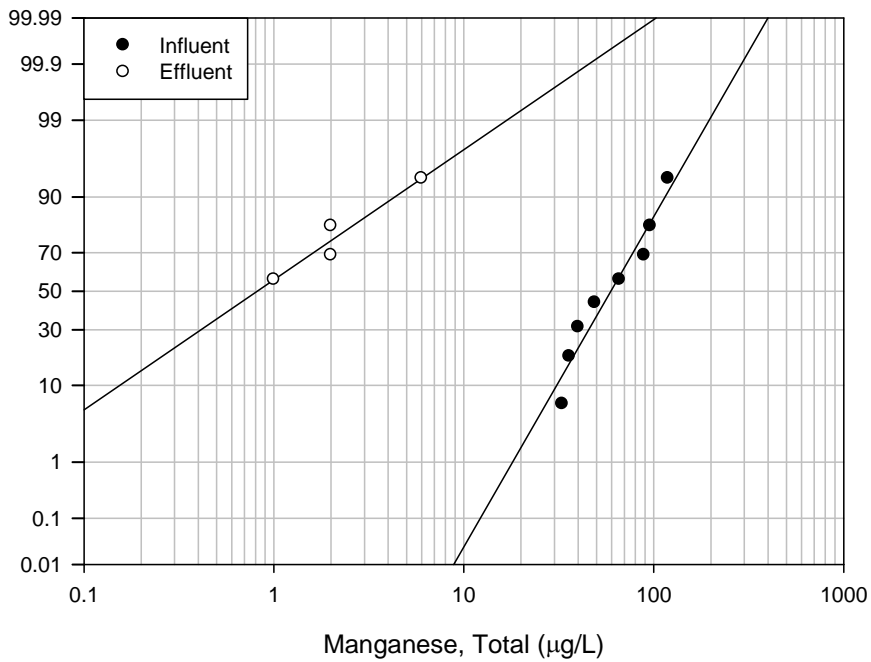
Total Manganese

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



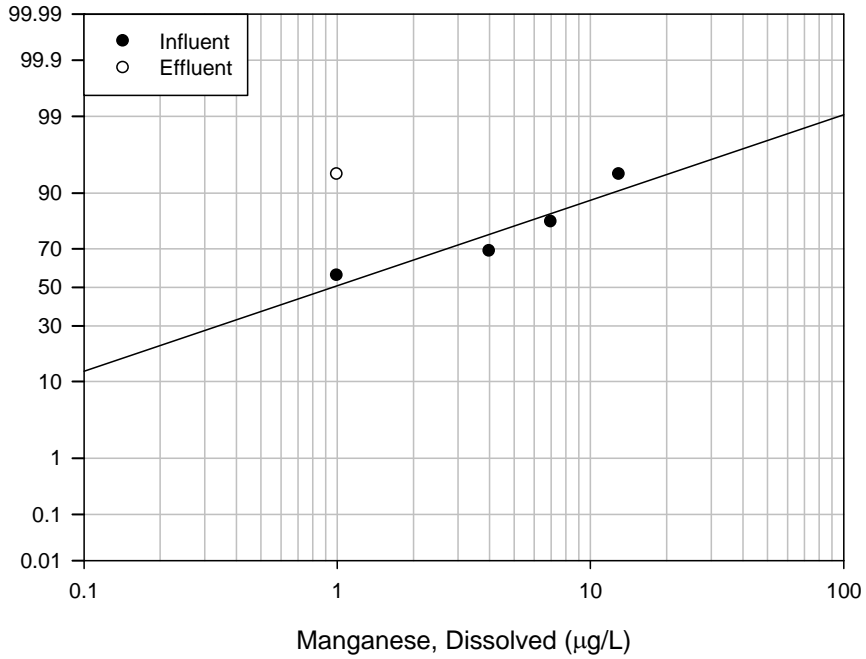
Total Manganese

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

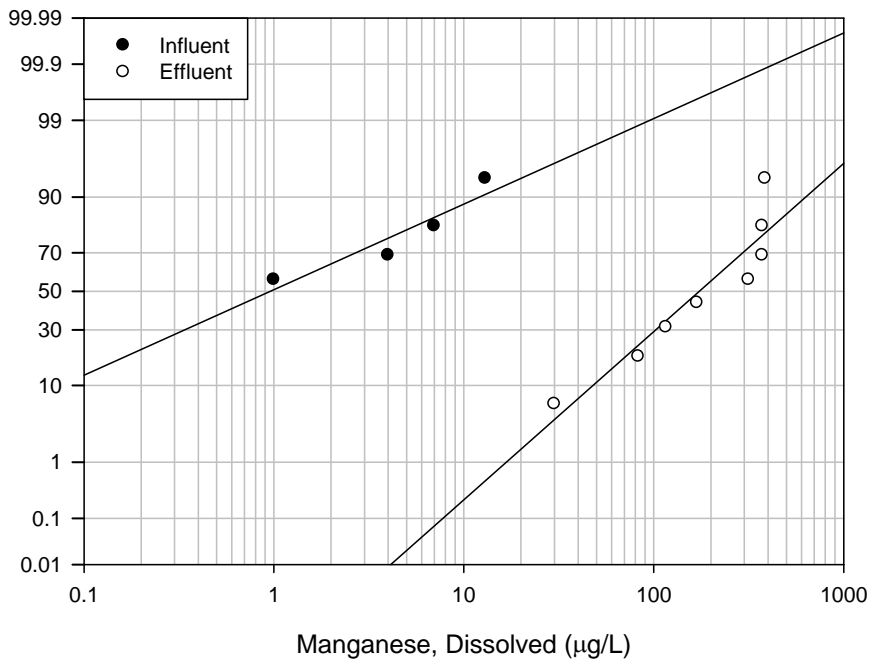


Manganese, Filtered

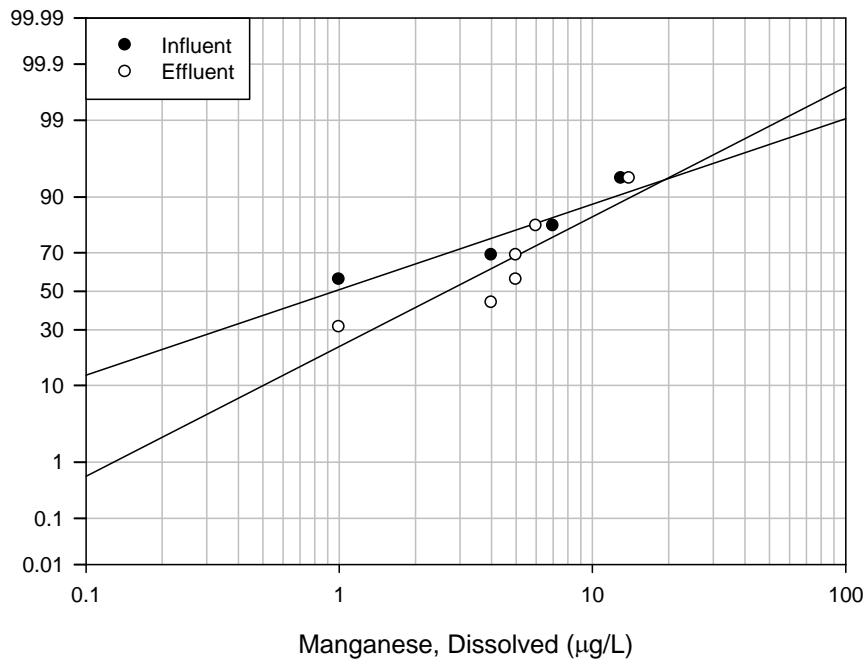
Dissolved Manganese
Granular Activated Carbon (GAC)



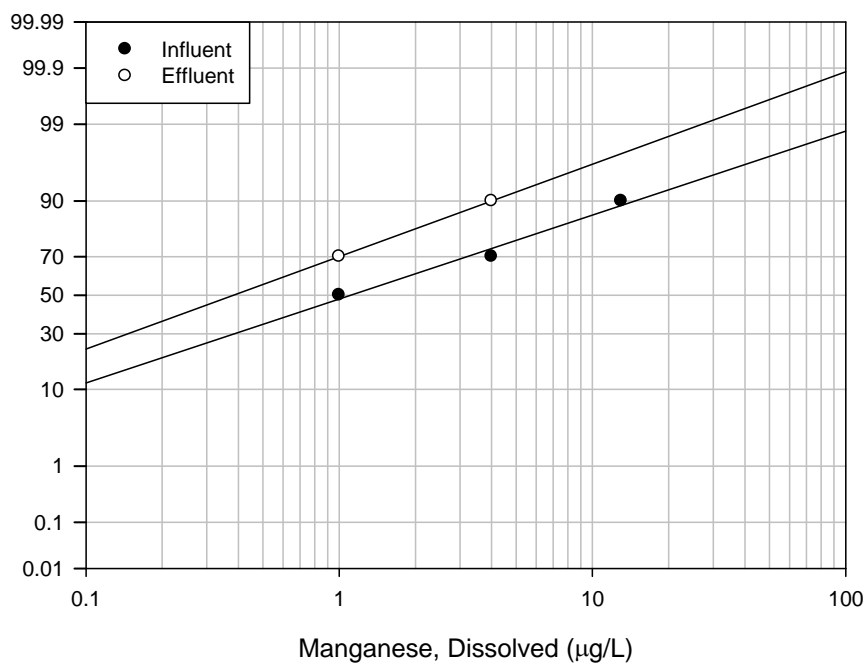
Dissolved Manganese
Peat Moss (P)



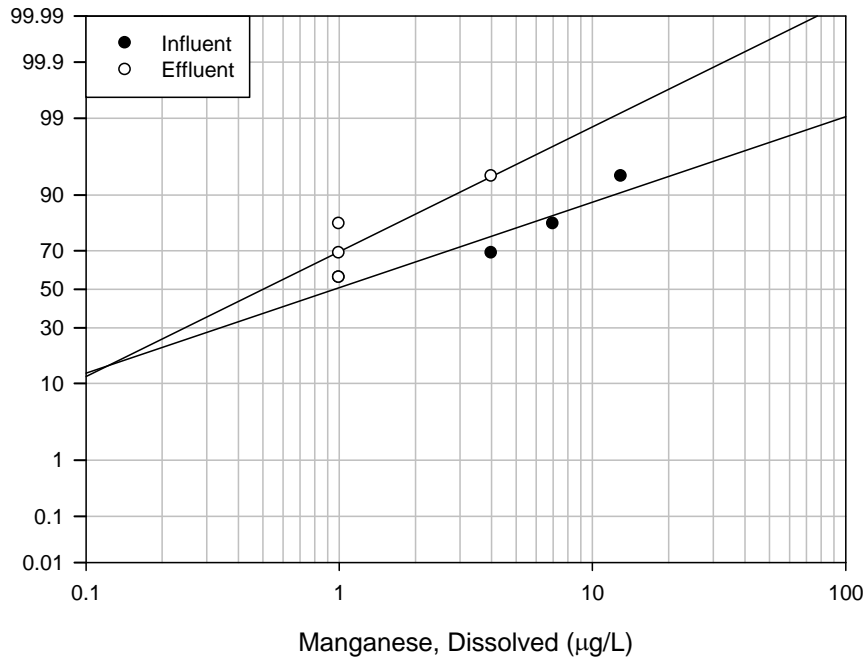
Dissolved Manganese Rhyolite Sand (R)



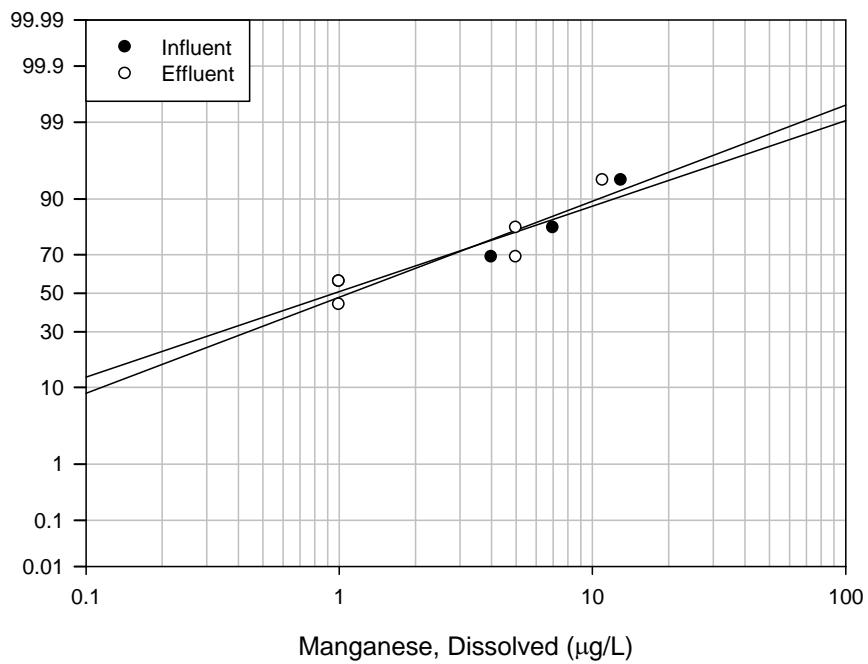
Dissolved Manganese Site Sand (S)



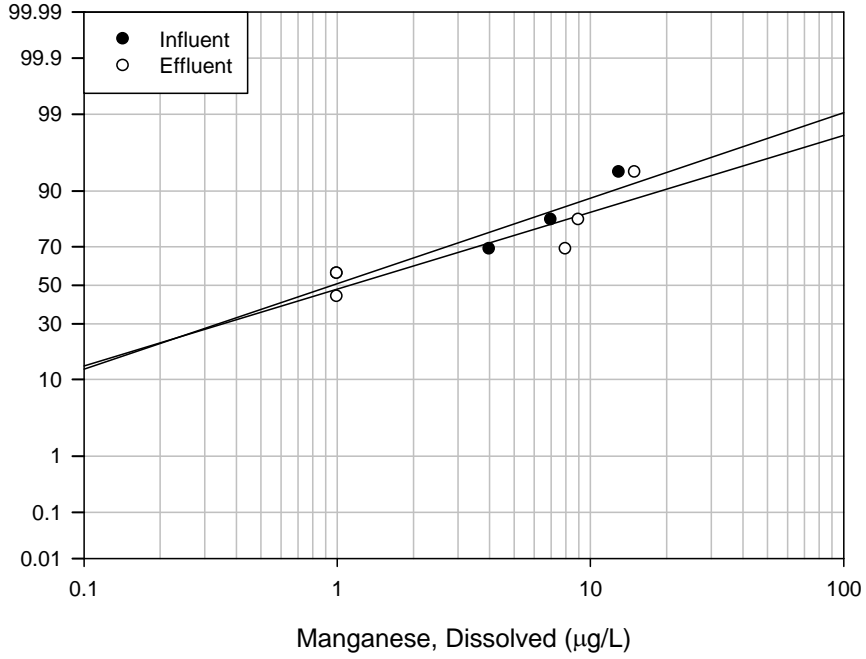
Dissolved Manganese
Site Zeolite (Z)



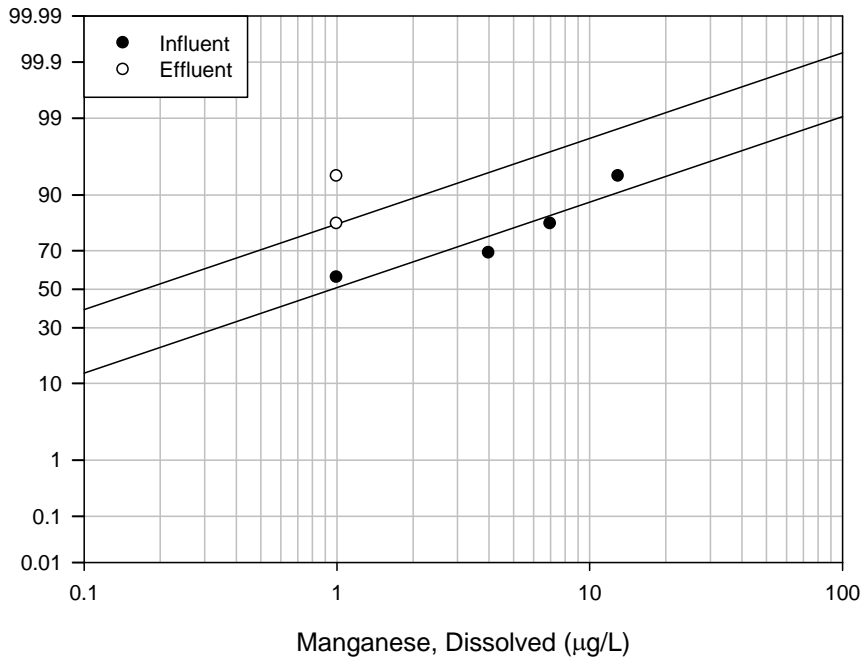
Dissolved Manganese
Surface Modified Zeolite (SMZ)



Dissolved Manganese
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

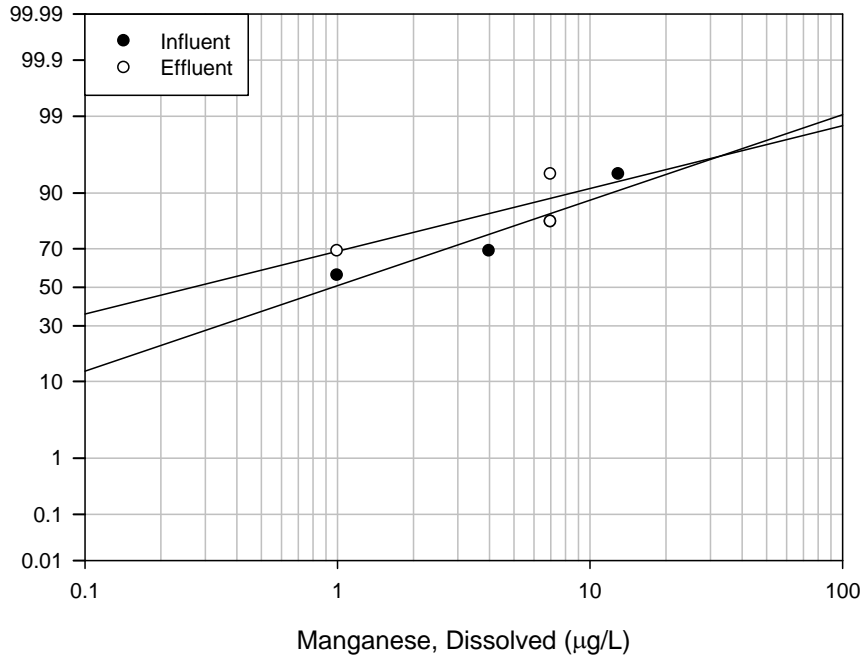


Dissolved Manganese
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



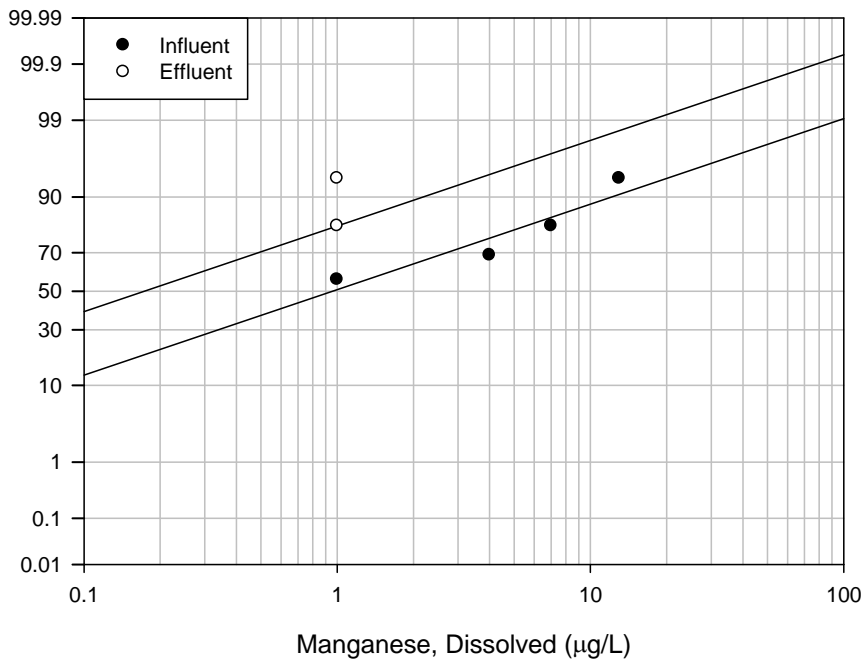
Dissolved Manganese

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



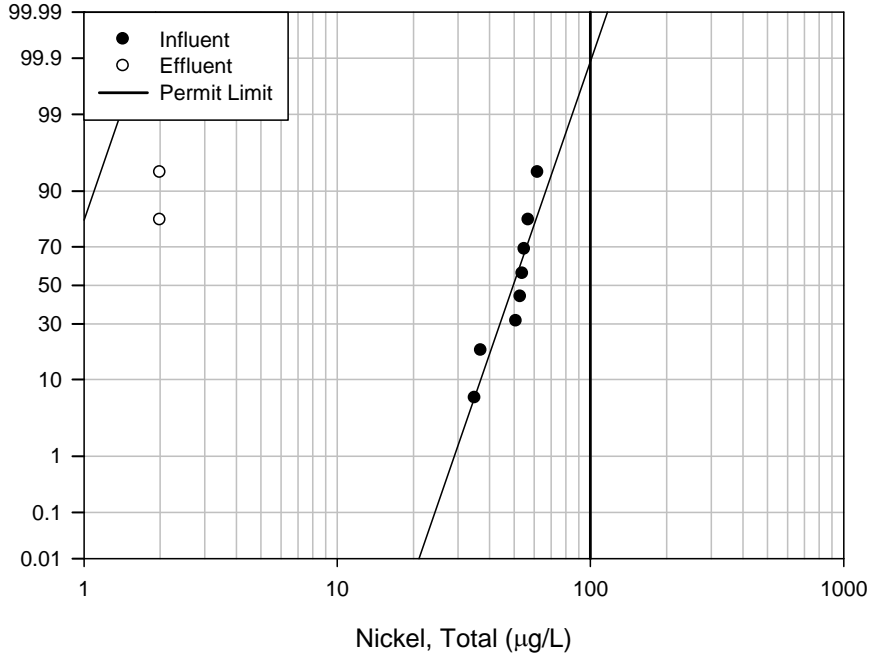
Dissolved Manganese

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

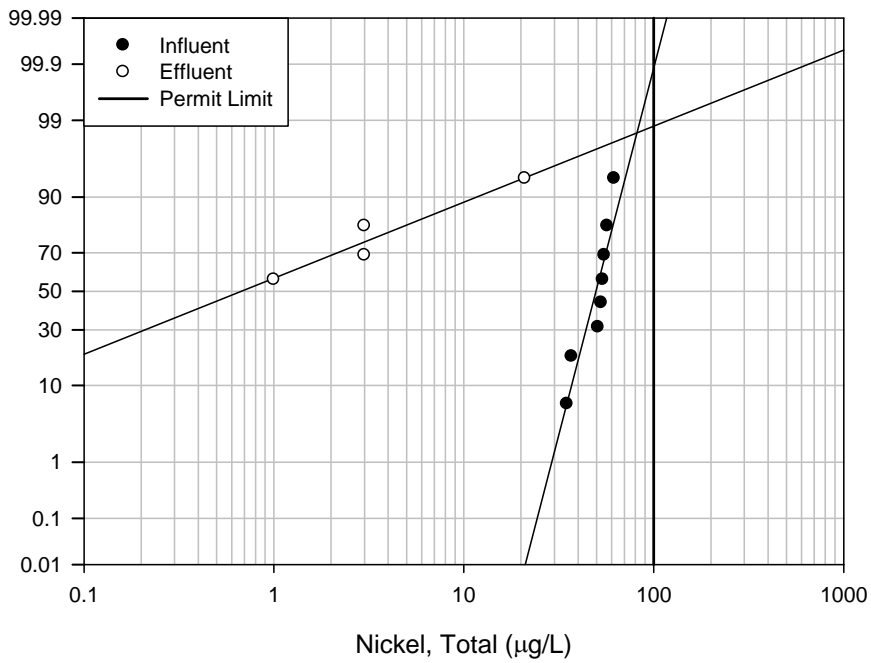


Nickel, Total

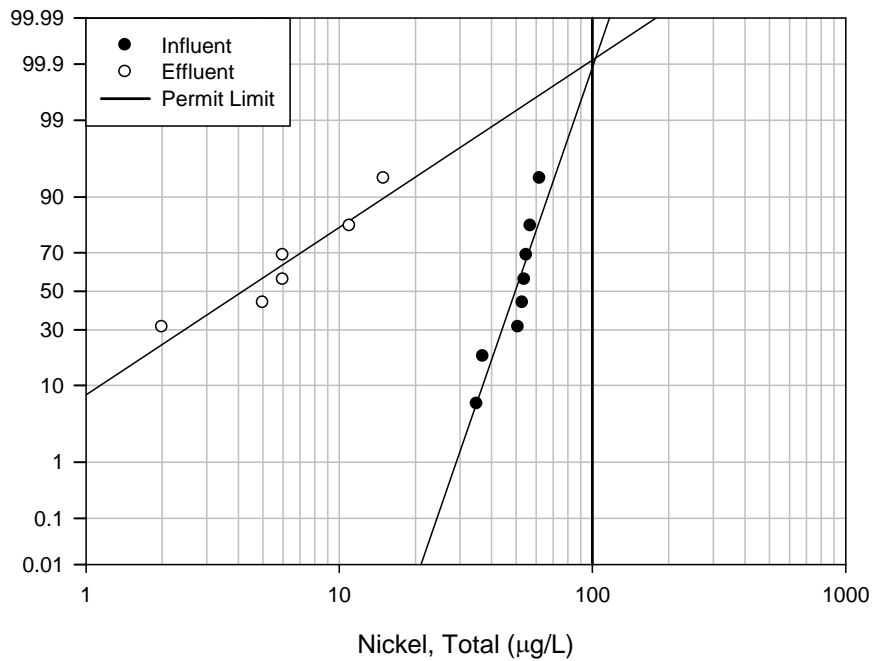
Total Nickel
Granular Activated Carbon (GAC)



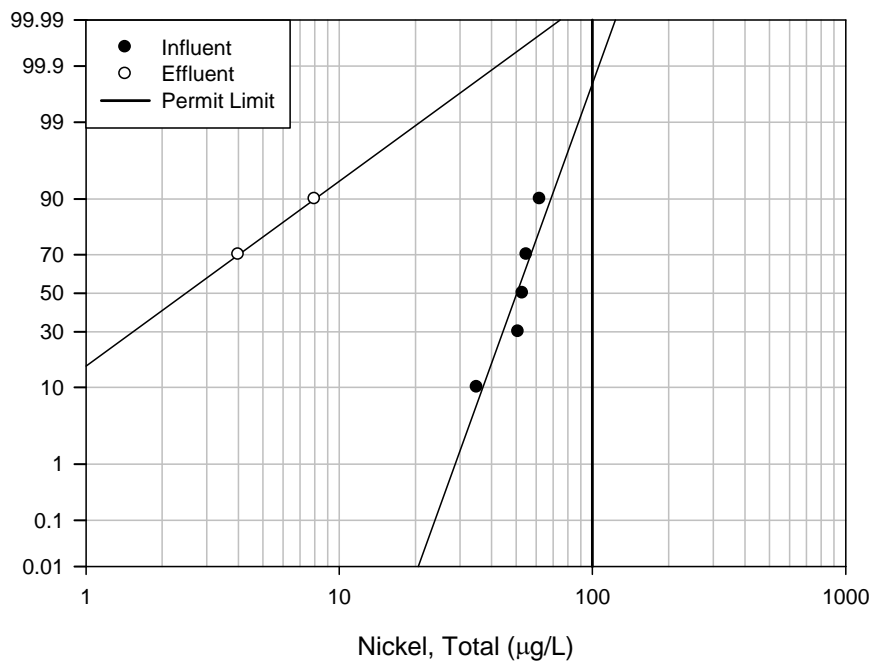
Total Nickel
Peat Moss (P)



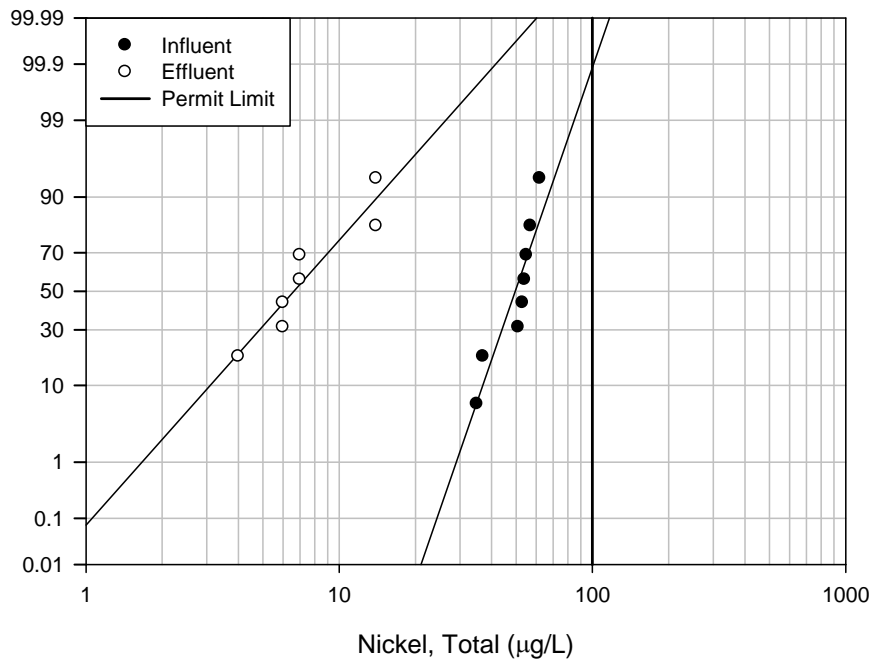
Total Nickel
Rhyolite Sand (R)



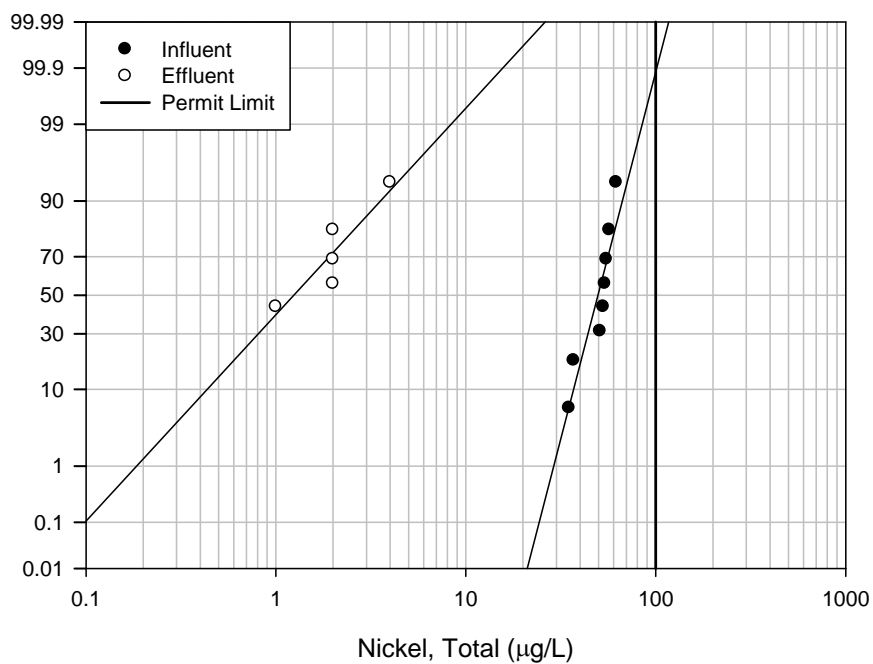
Total Nickel
Site Sand (S)



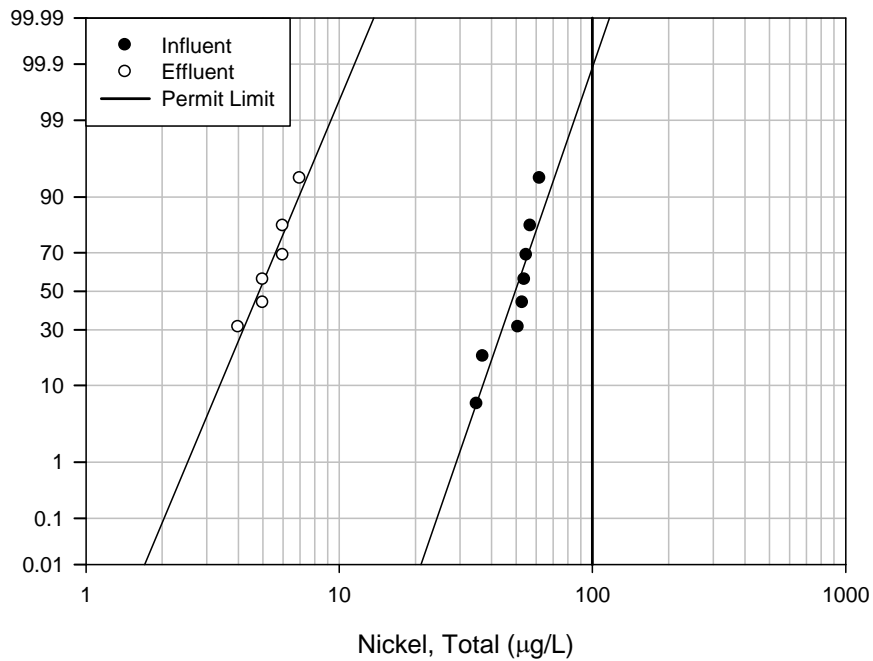
Total Nickel
Site Zeolite (Z)



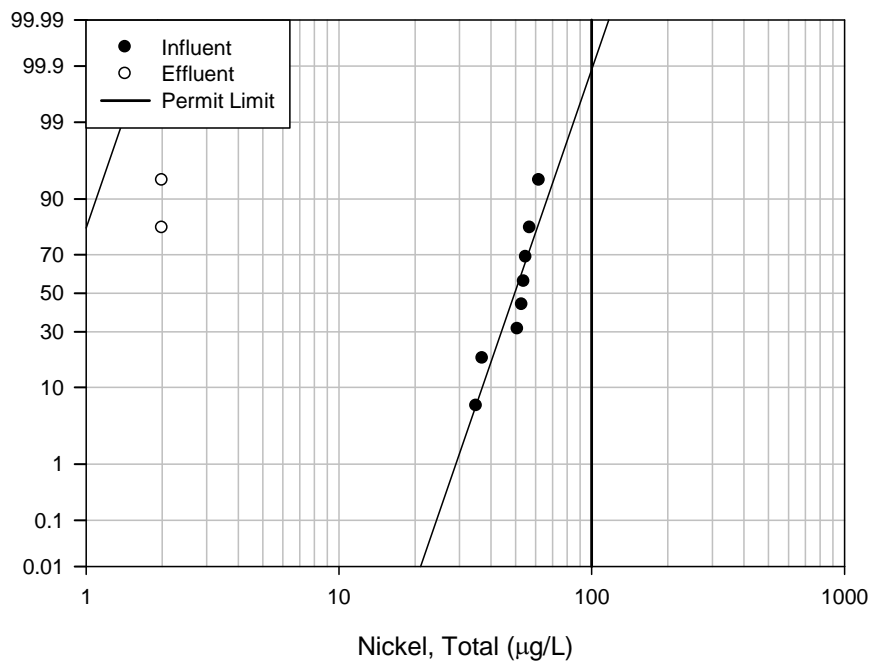
Total Nickel
Surface Modified Zeolite (SMZ)



Total Nickel
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

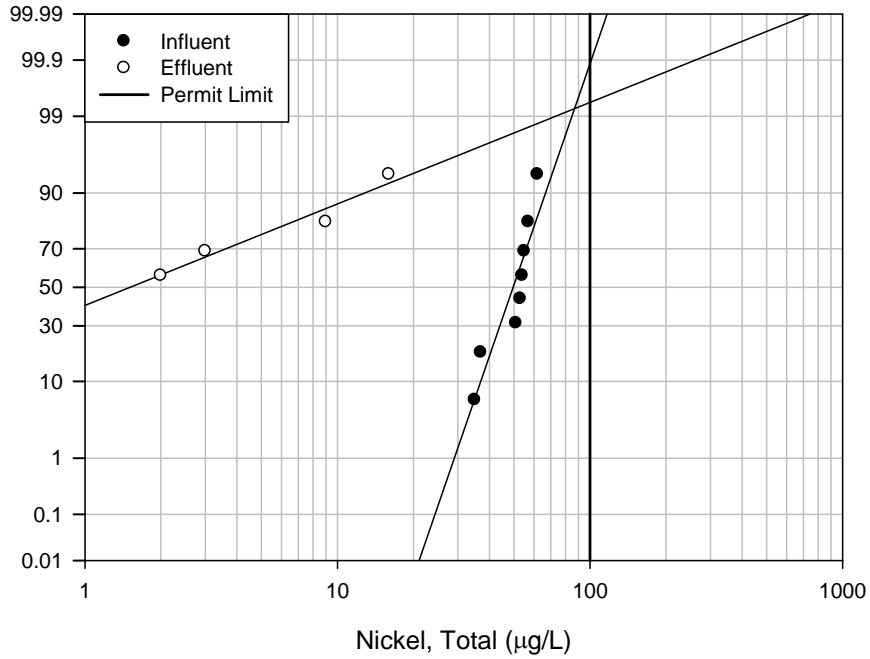


Total Nickel
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



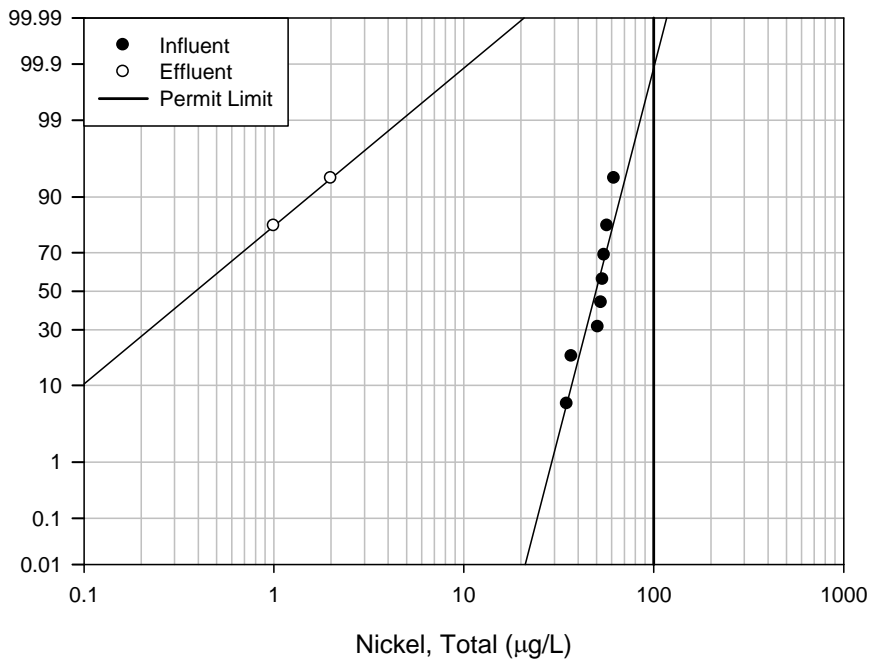
Total Nickel

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



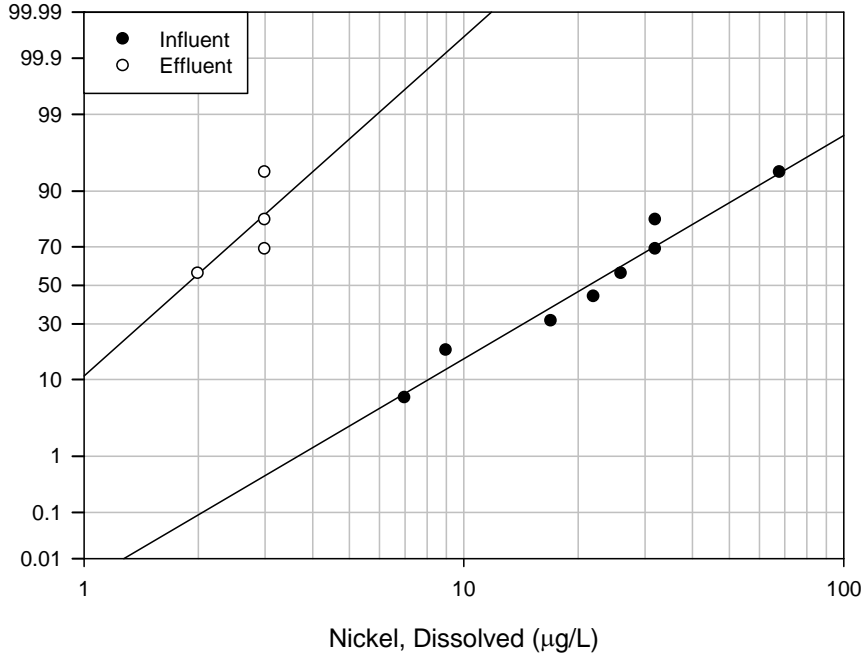
Total Nickel

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

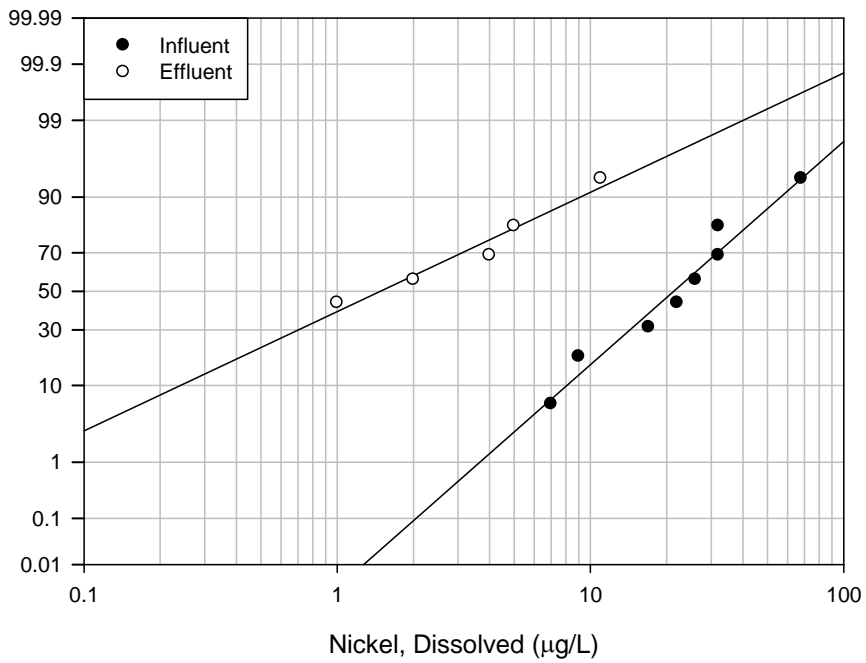


Nickel, Filtered

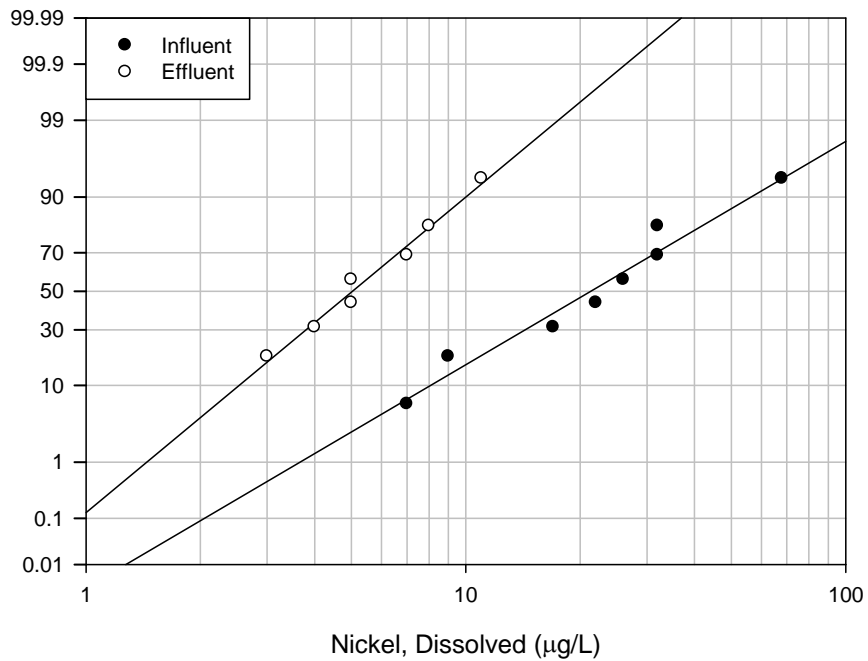
Dissolved Nickel
Granular Activated Carbon (GAC)



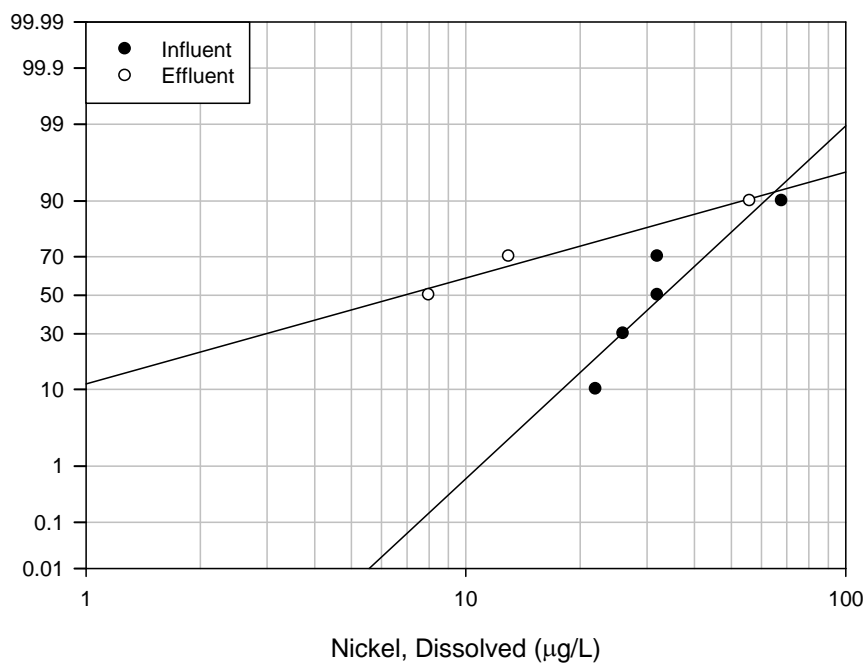
Dissolved Nickel
Peat Moss (P)



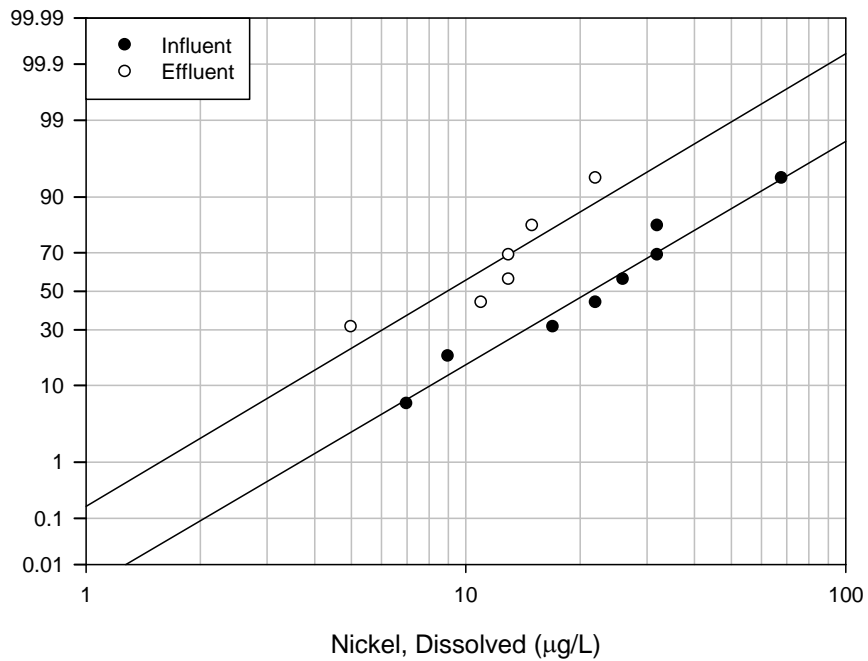
Dissolved Nickel
Rhyolite Sand (R)



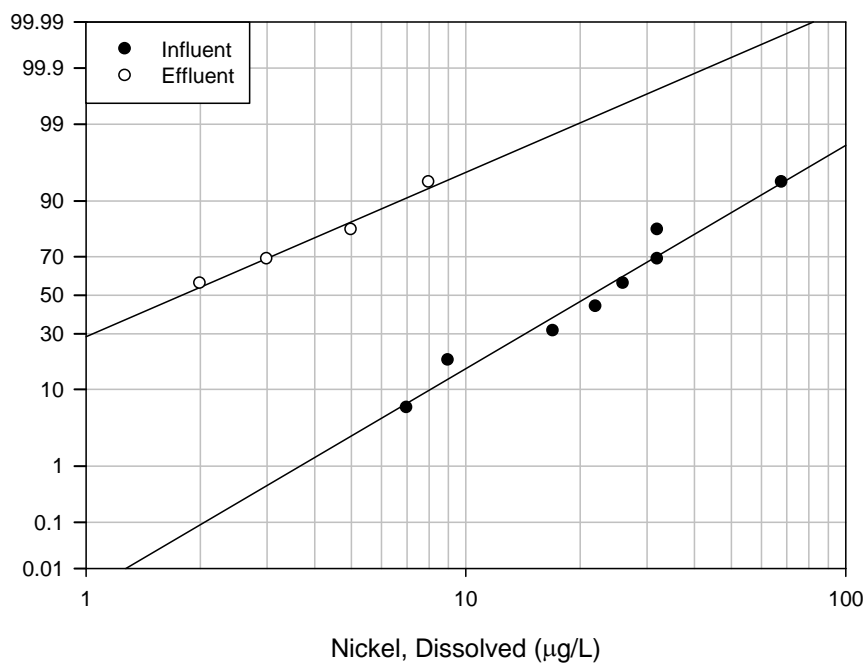
Dissolved Nickel
Site Sand (S)



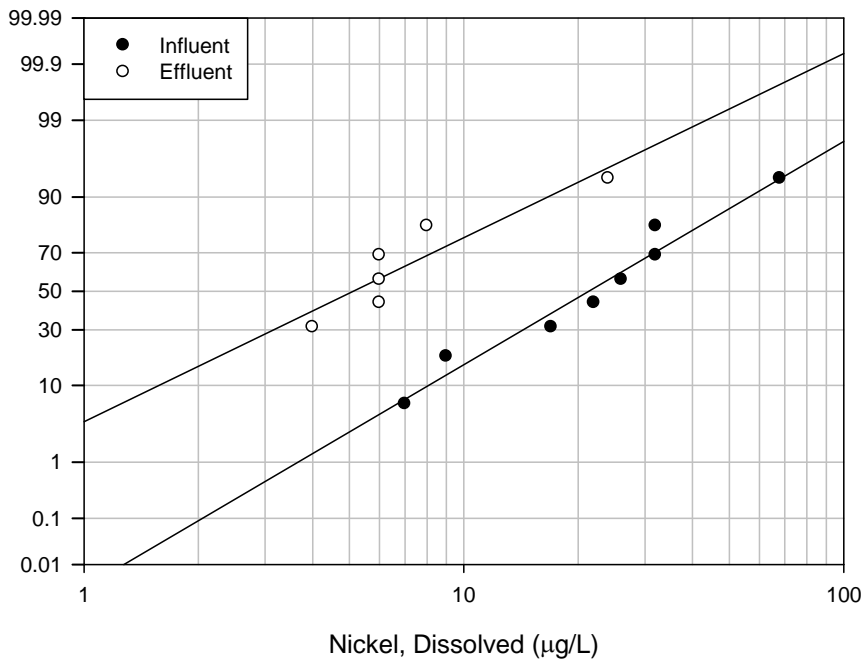
Dissolved Nickel
Site Zeolite (Z)



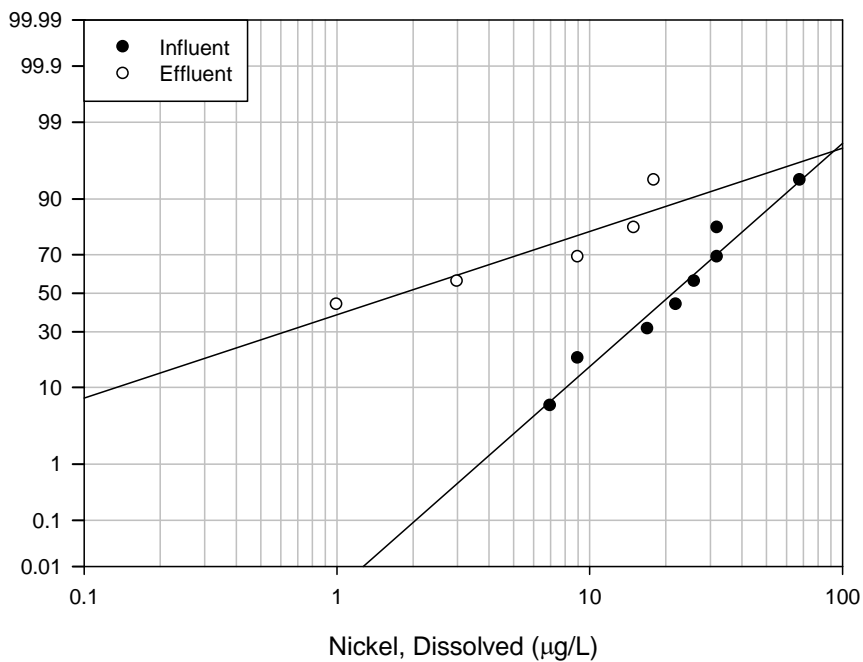
Dissolved Nickel
Surface Modified Zeolite (SMZ)



Dissolved Nickel
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

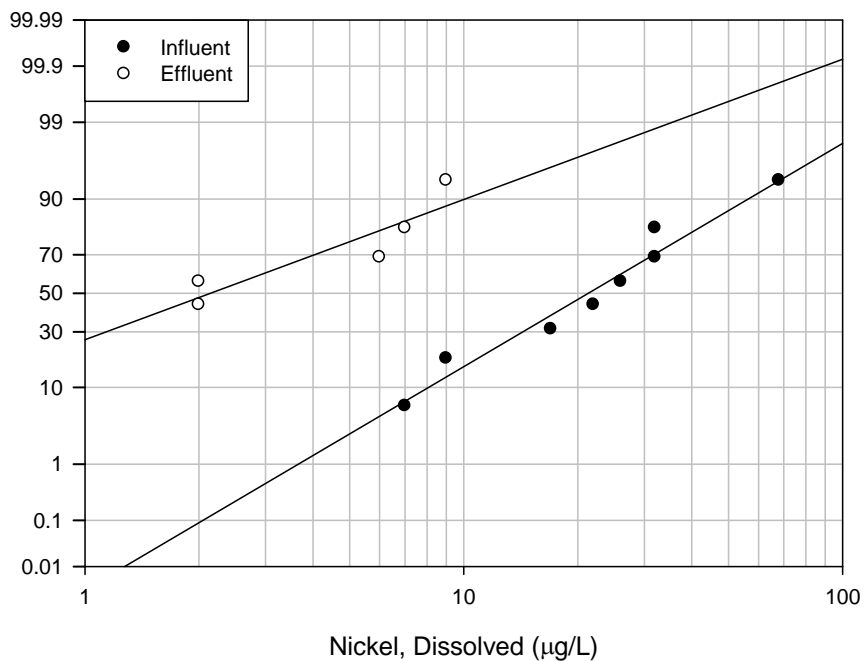


Dissolved Nickel
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



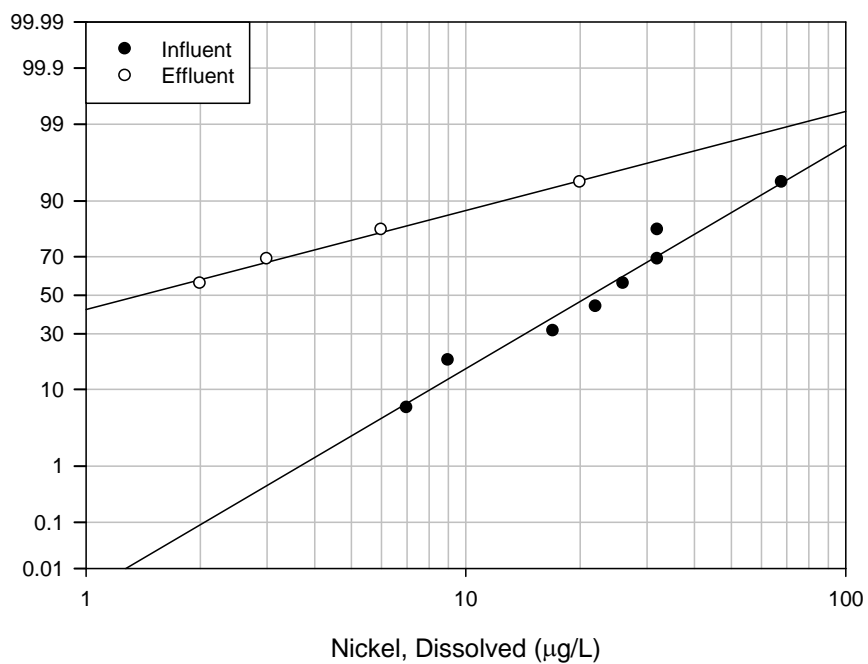
Dissolved Nickel

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



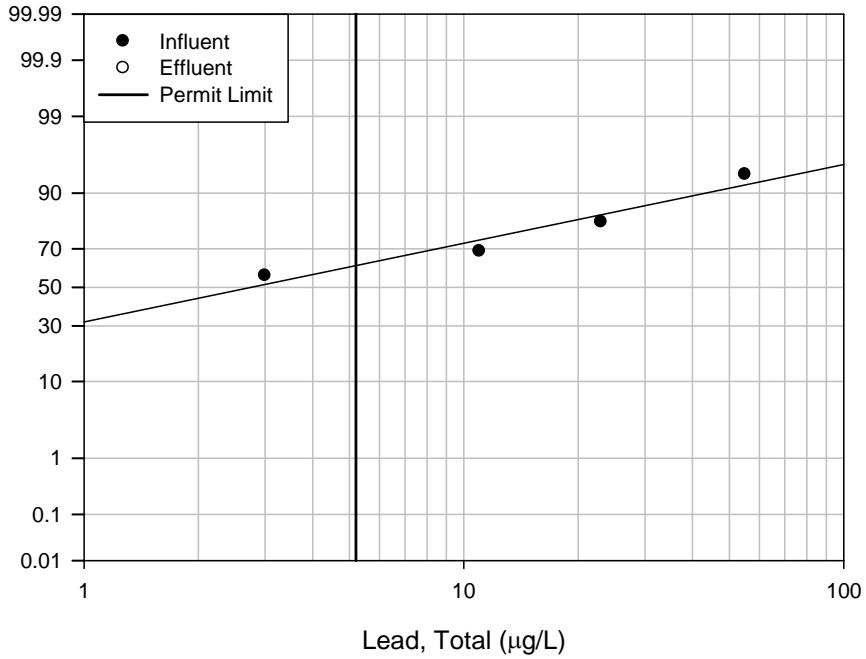
Dissolved Nickel

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

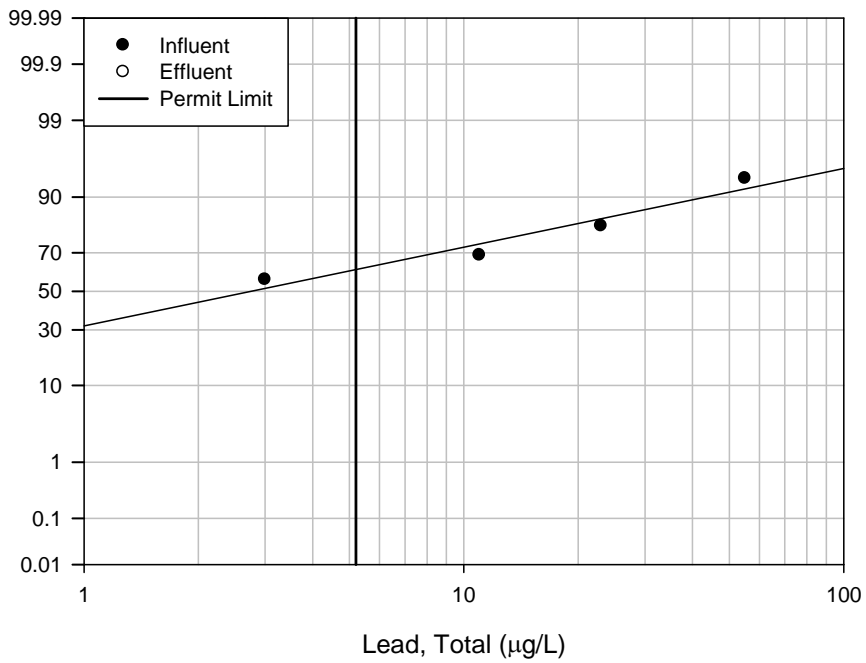


Lead, Total

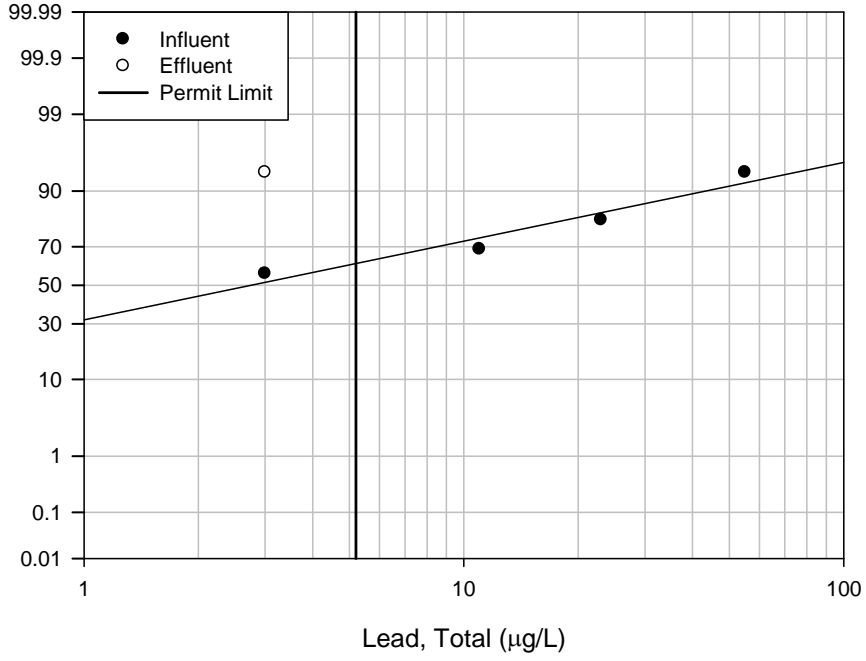
Total Lead
Granular Activated Carbon (GAC)



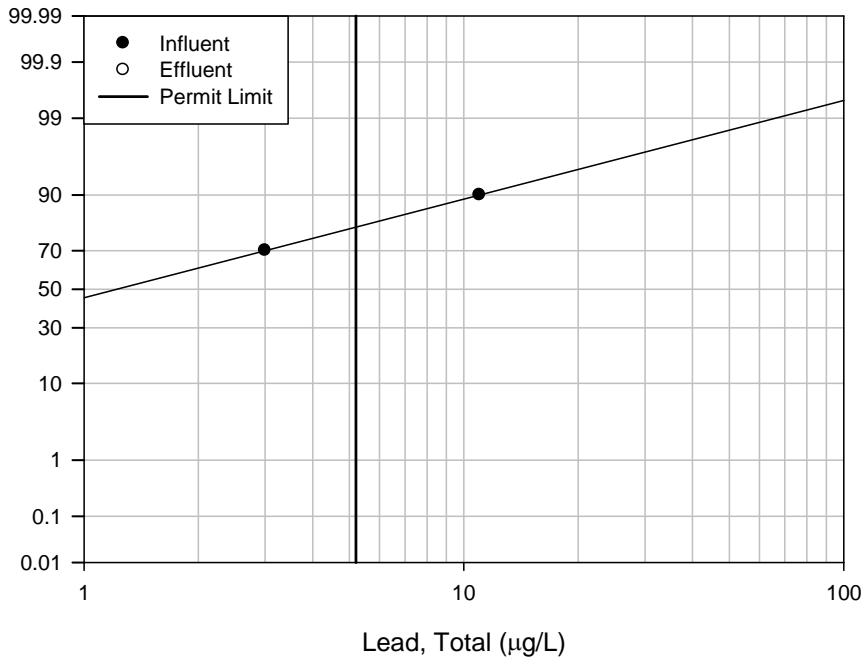
Total Lead
Peat Moss (P)



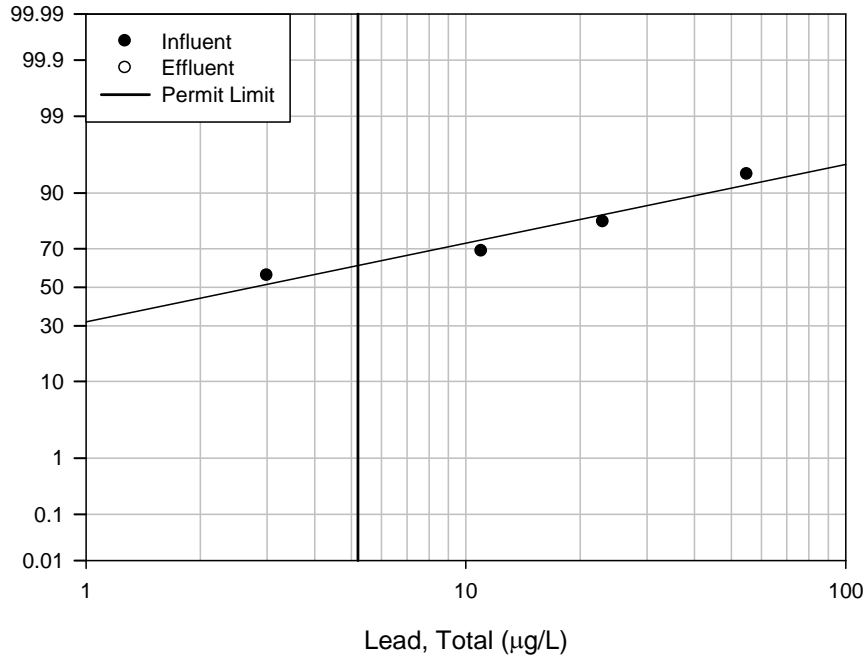
Total Lead
Rhyolite Sand (R)



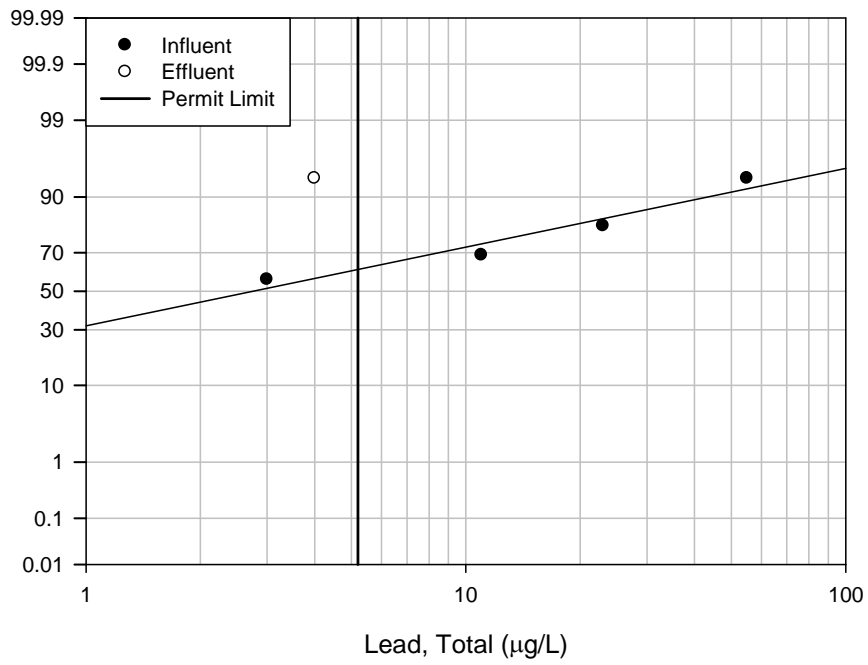
Total Lead
Site Sand (S)



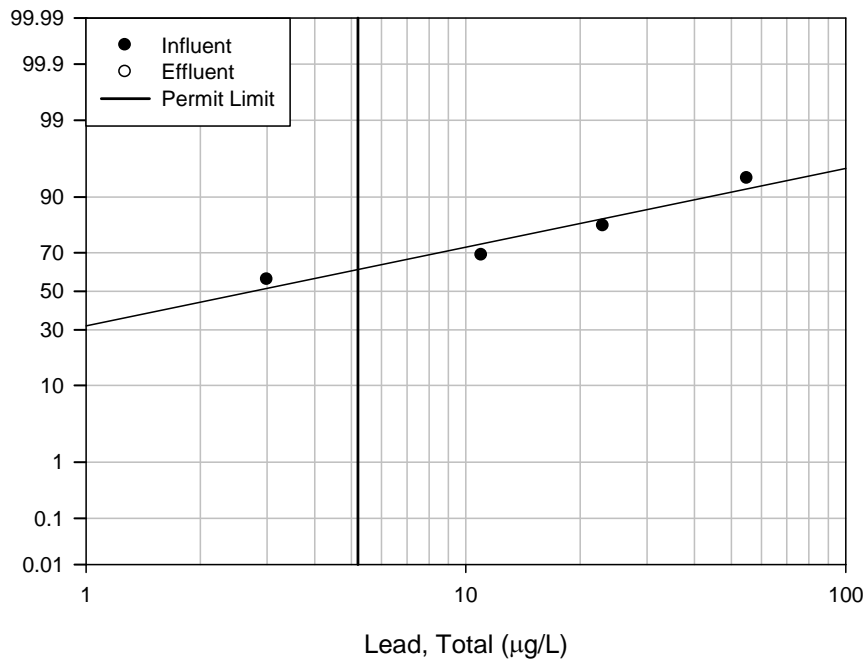
Total Lead
Site Zeolite (Z)



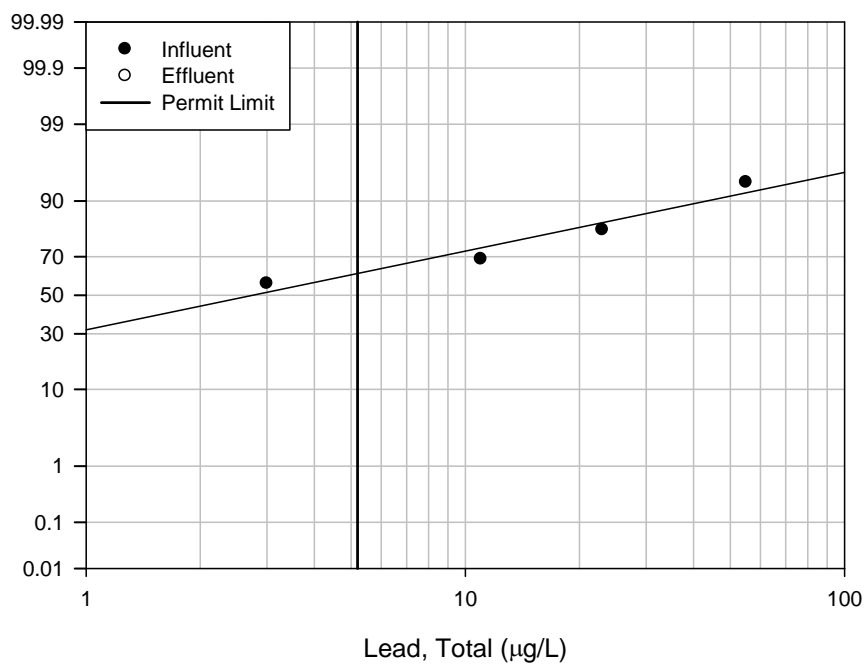
Total Lead
Surface Modified Zeolite (SMZ)



Total Lead
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

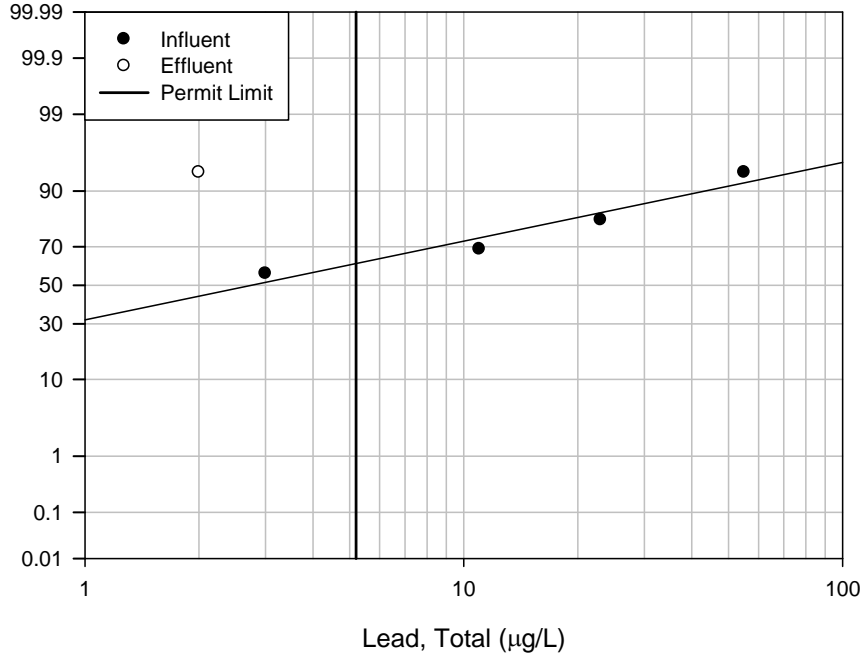


Total Lead
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



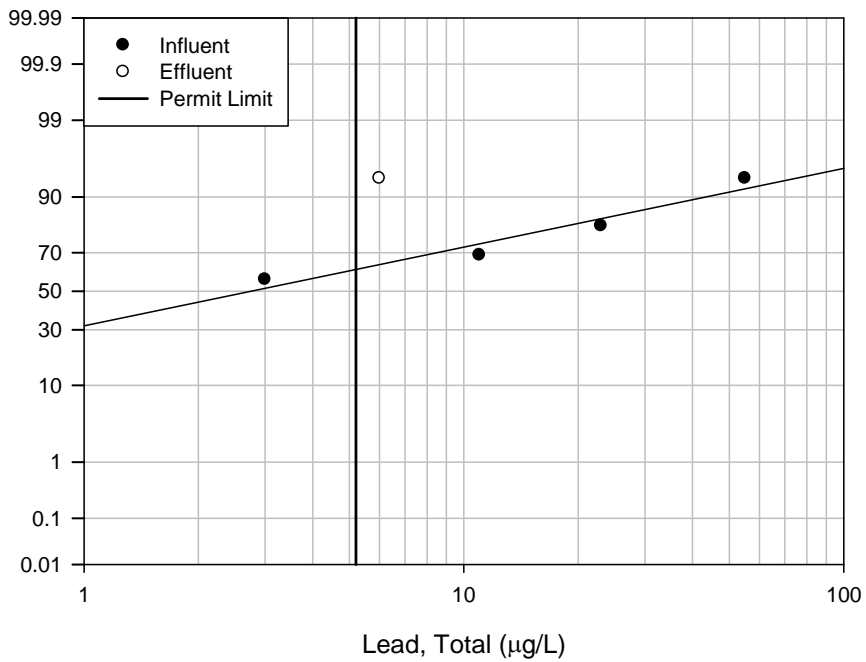
Total Lead

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



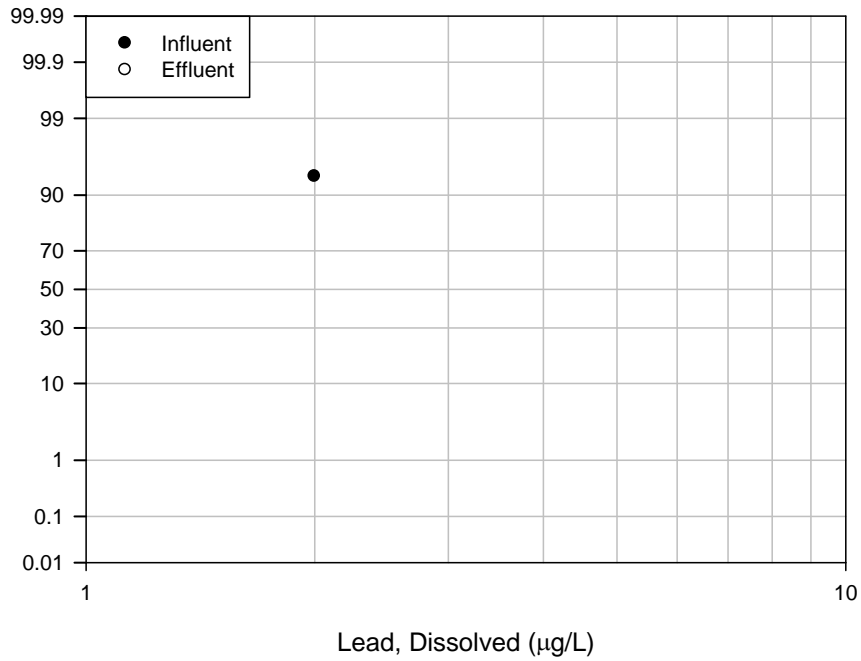
Total Lead

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

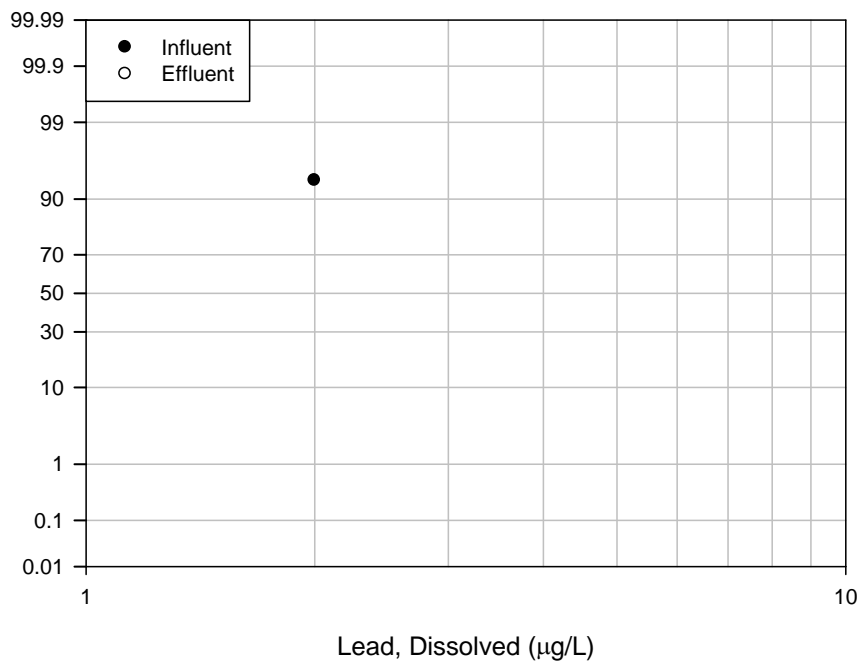


Lead, Filtered

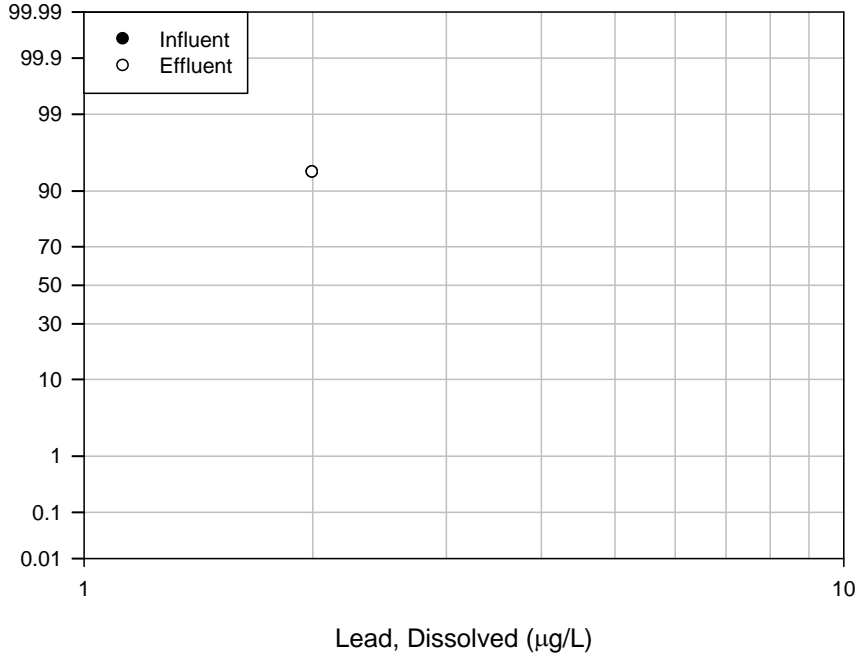
Dissolved Lead
Granular Activated Carbon (GAC)



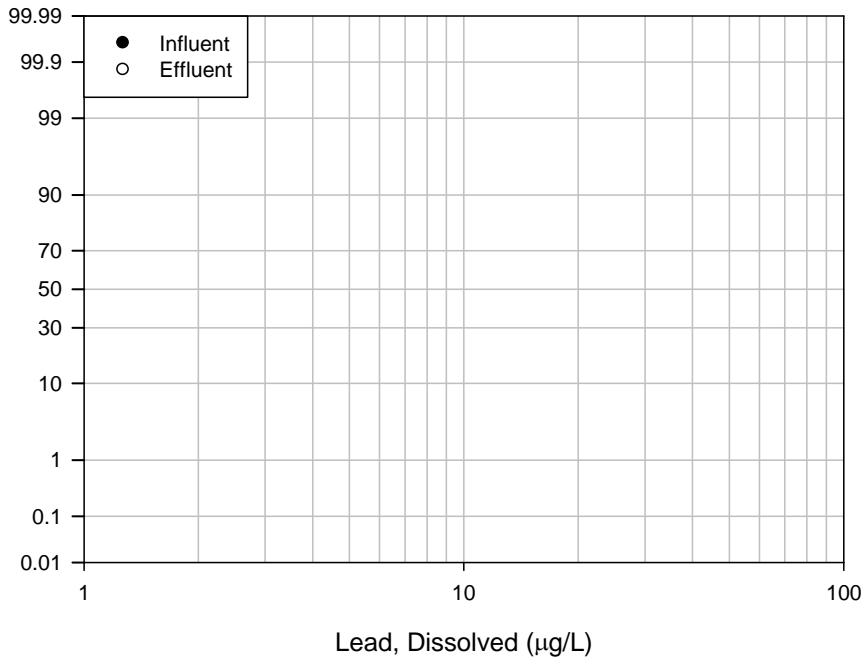
Dissolved Lead
Peat Moss (P)



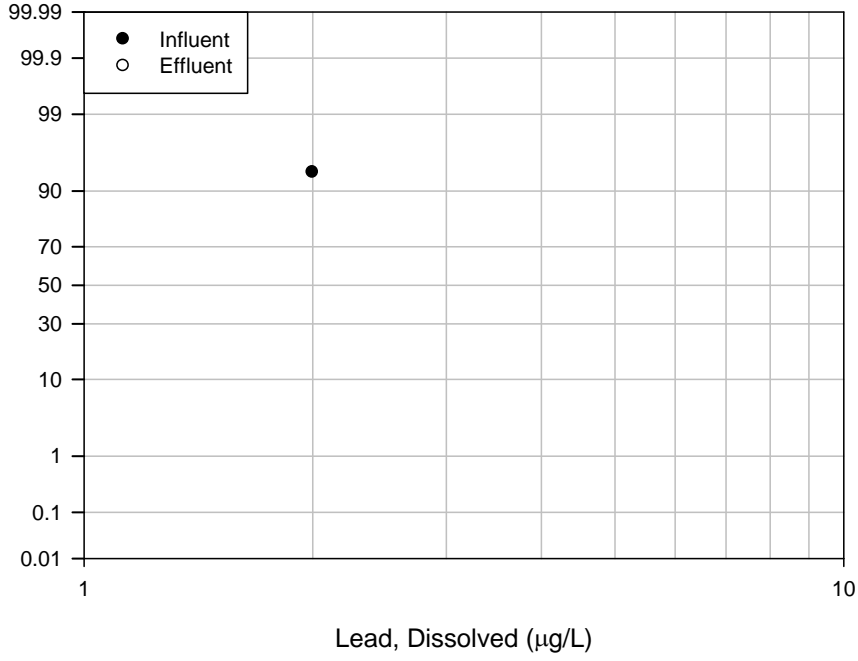
Dissolved Lead
Rhyolite Sand (R)



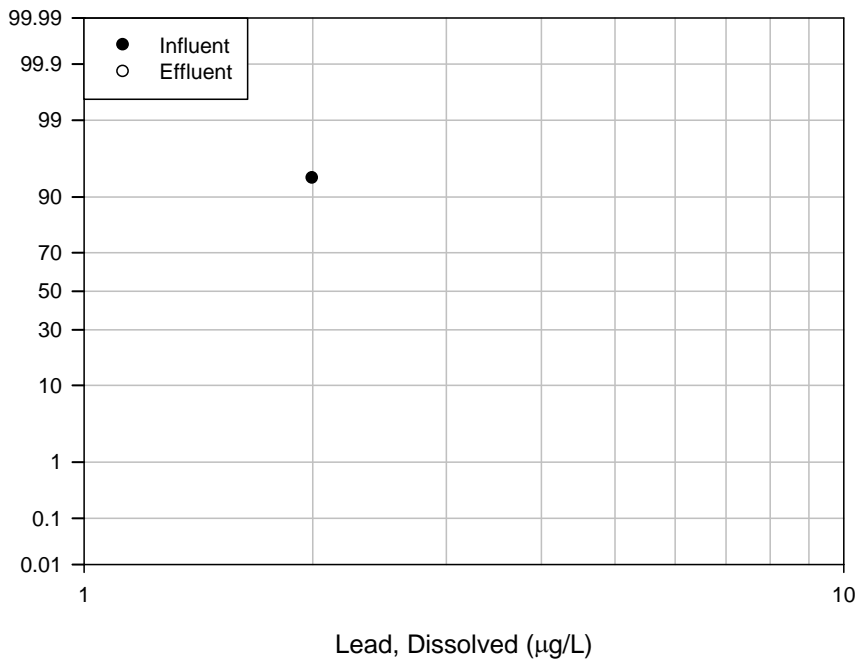
Dissolved Lead
Site Sand (S)



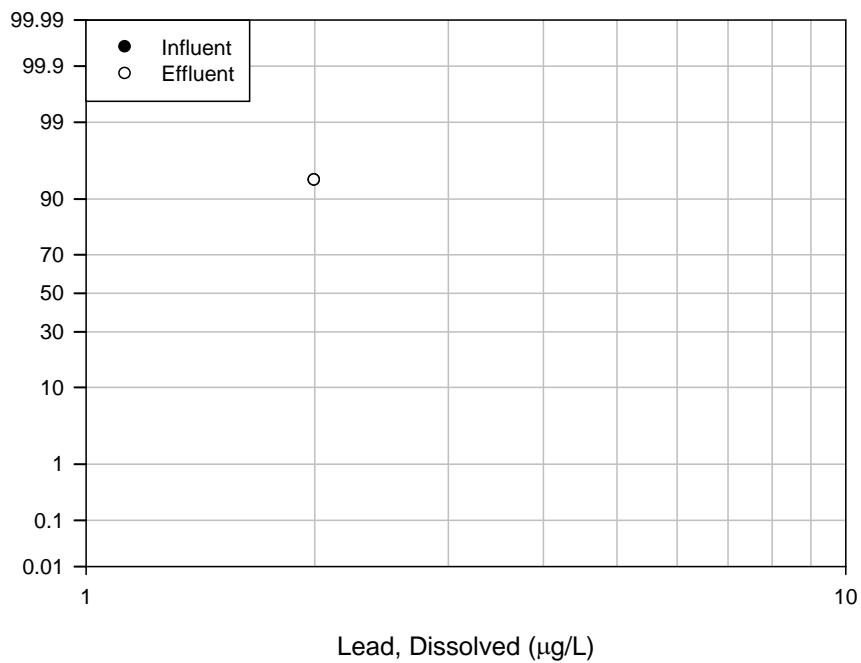
Dissolved Lead
Site Zeolite (Z)



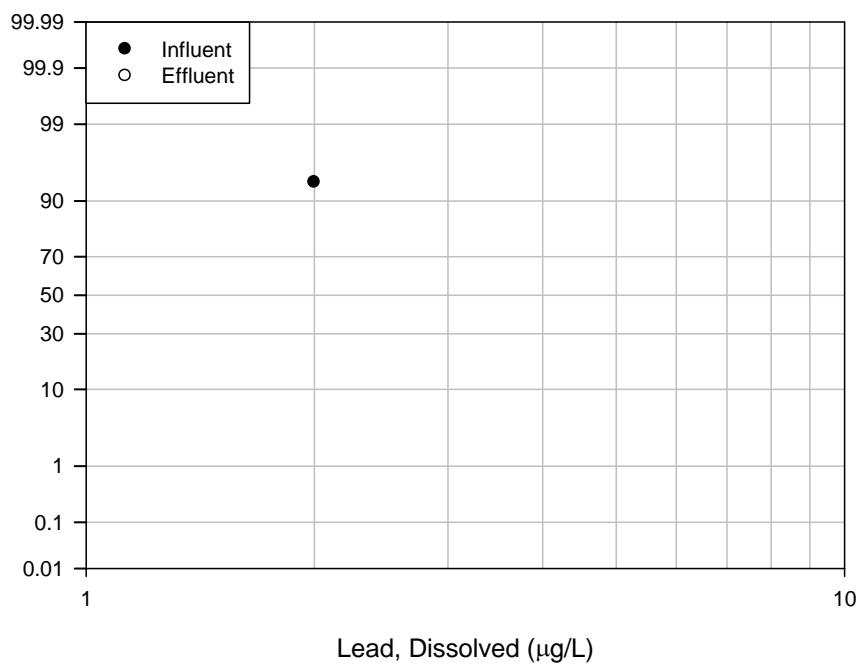
Dissolved Lead
Surface Modified Zeolite (SMZ)



Dissolved Lead
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

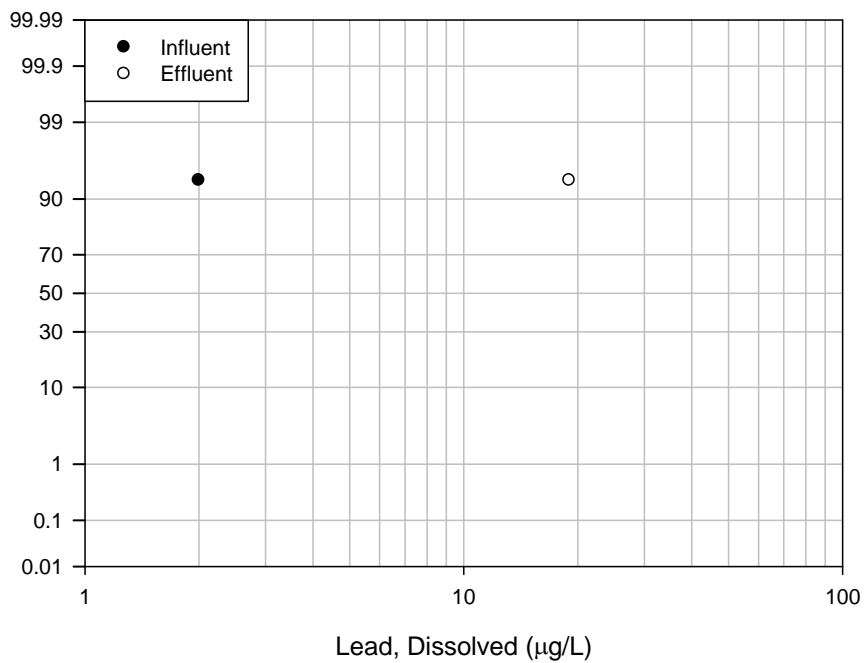


Dissolved Lead
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



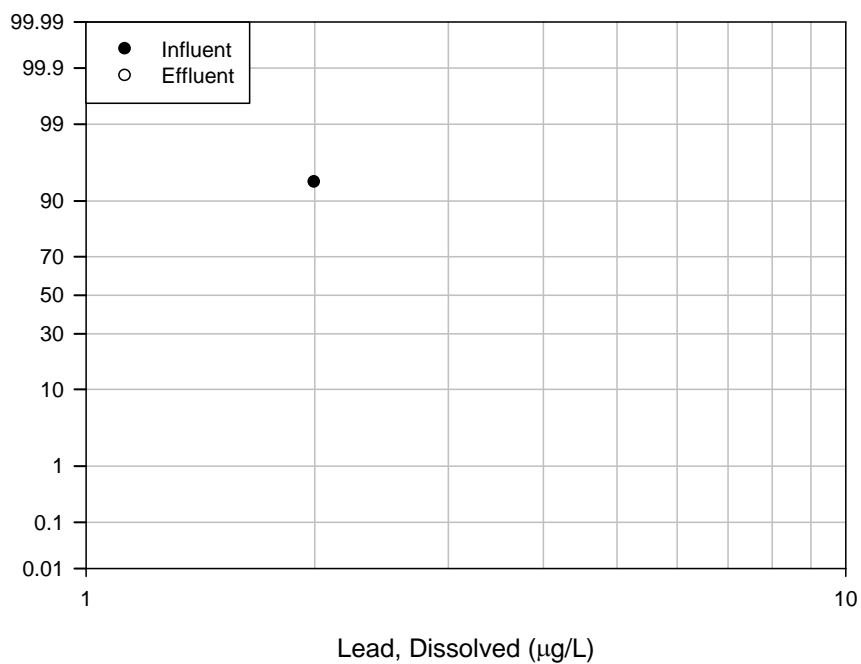
Dissolved Lead

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



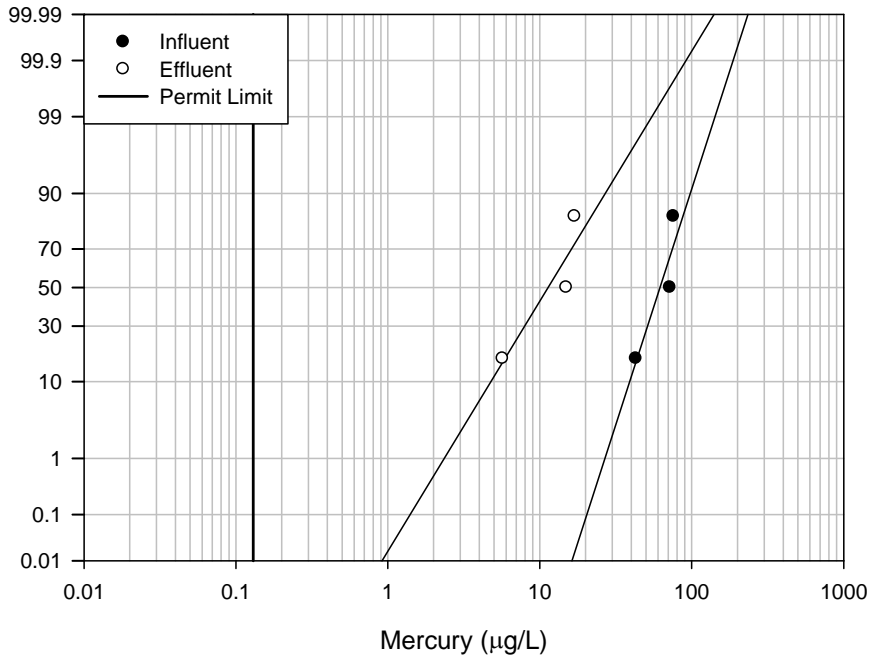
Dissolved Lead

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

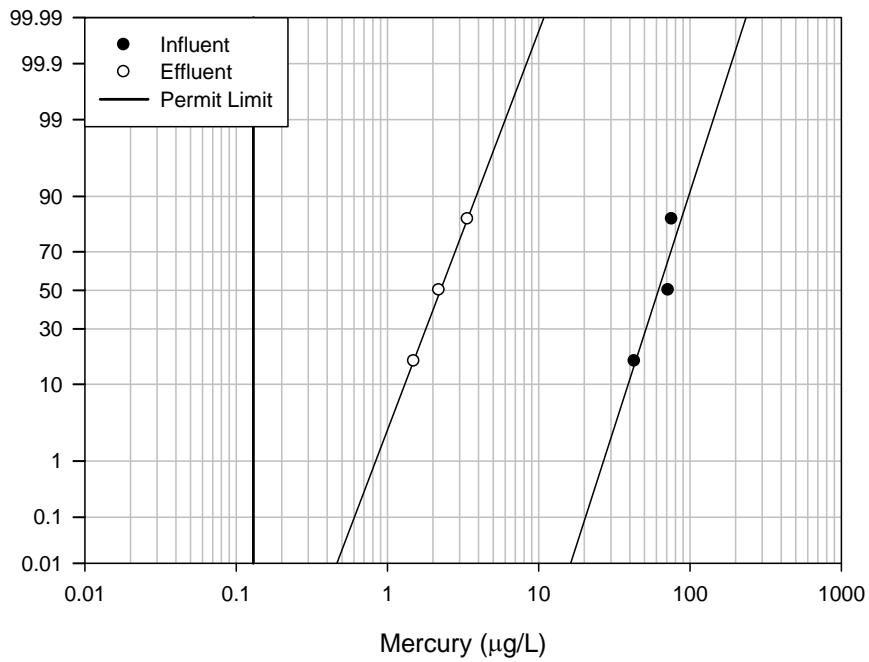


Mercury

Mercury
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

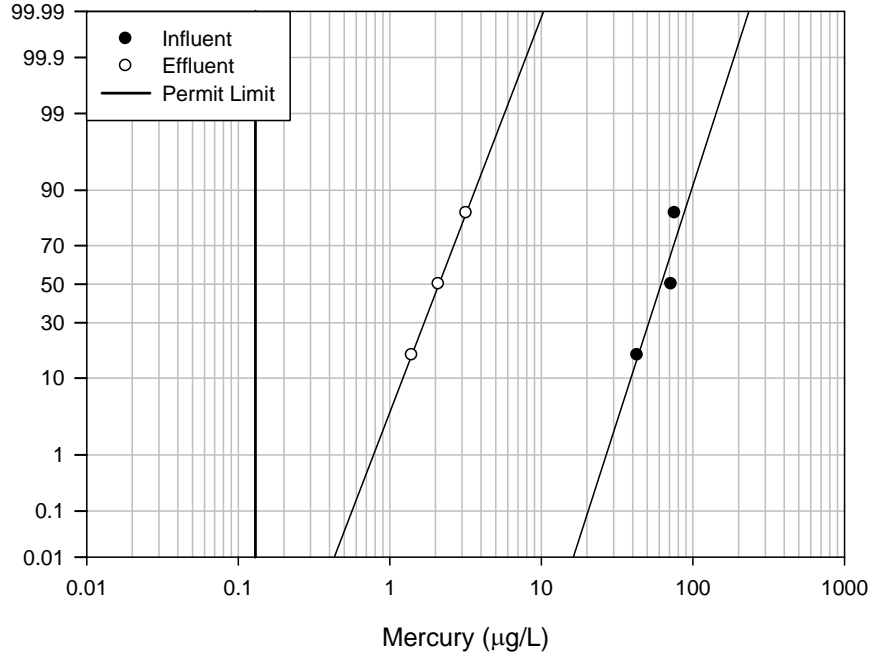


Mercury
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



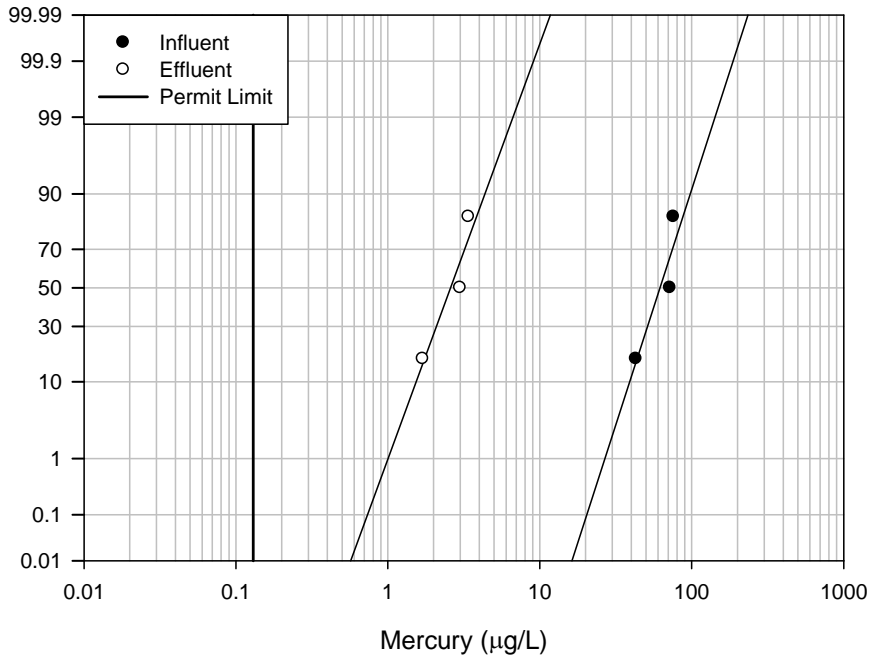
Mercury

Shyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



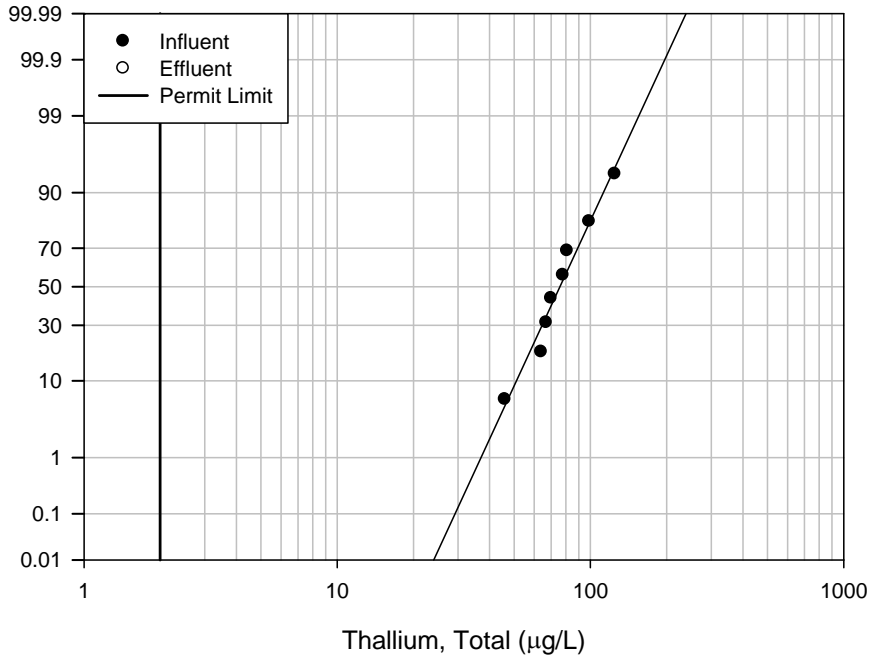
Mercury

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

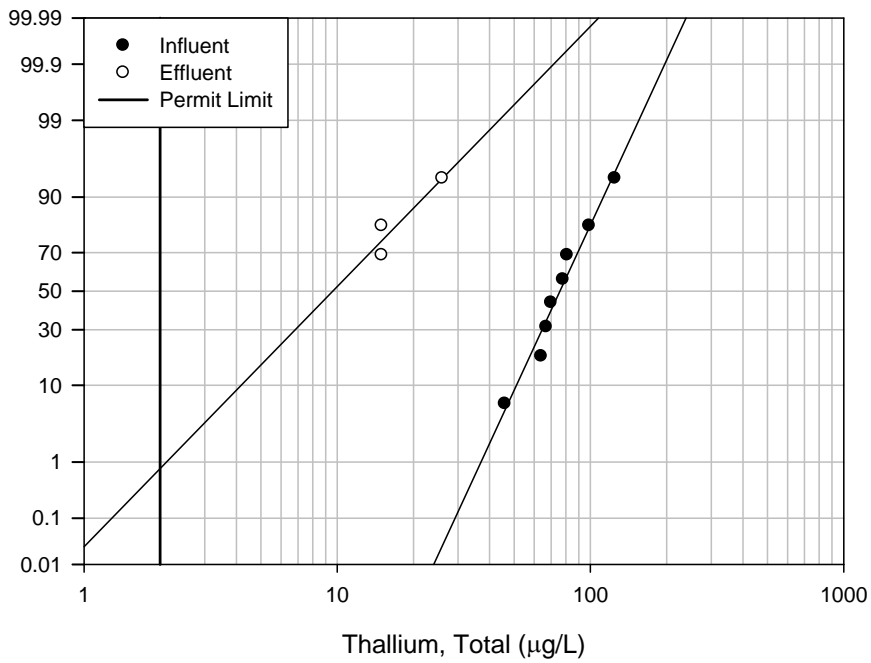


Thallium, Total

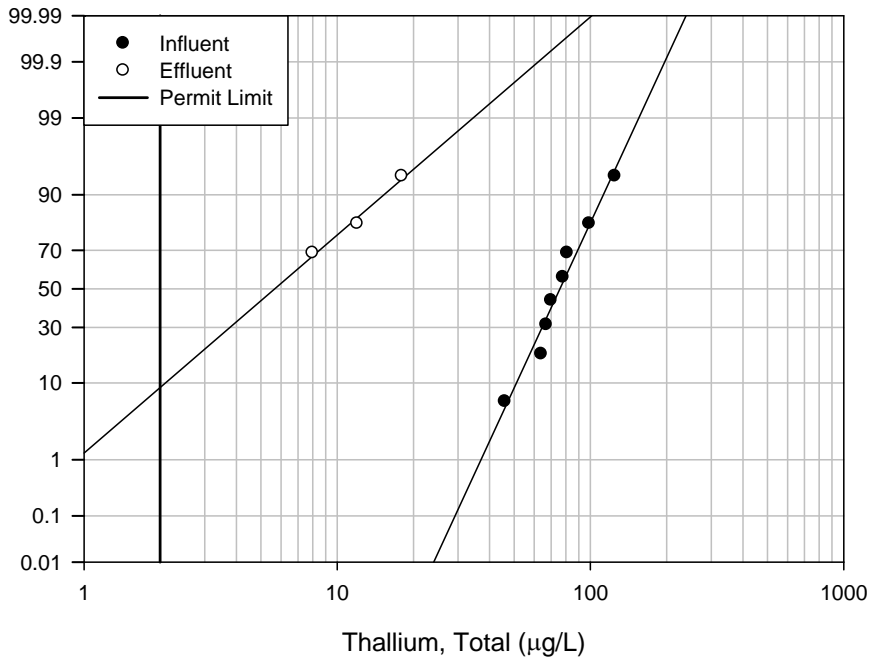
Total Thallium
Granular Activated Carbon (GAC)



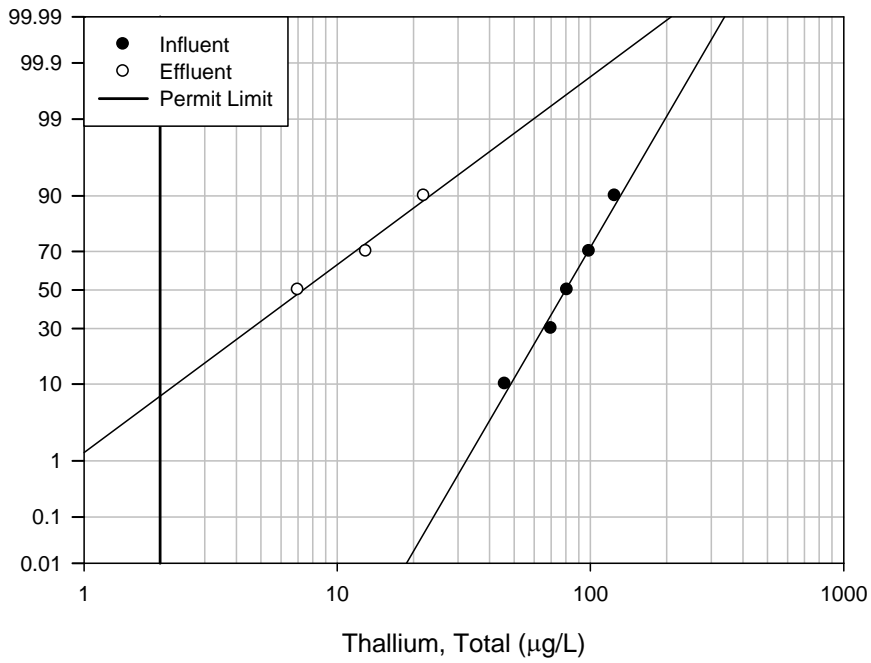
Total Thallium
Peat Moss (P)



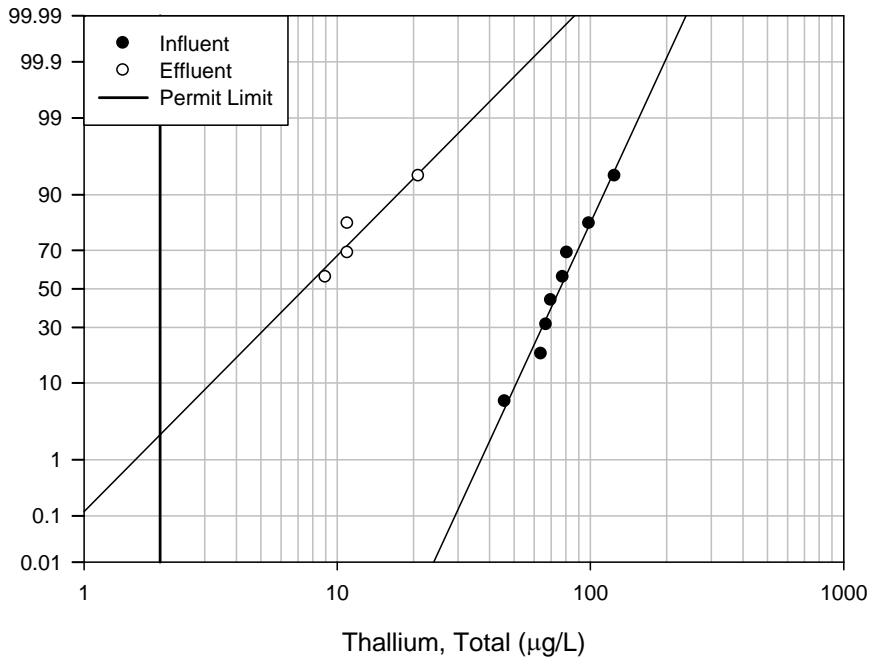
Total Thallium
Rhyolite Sand (R)



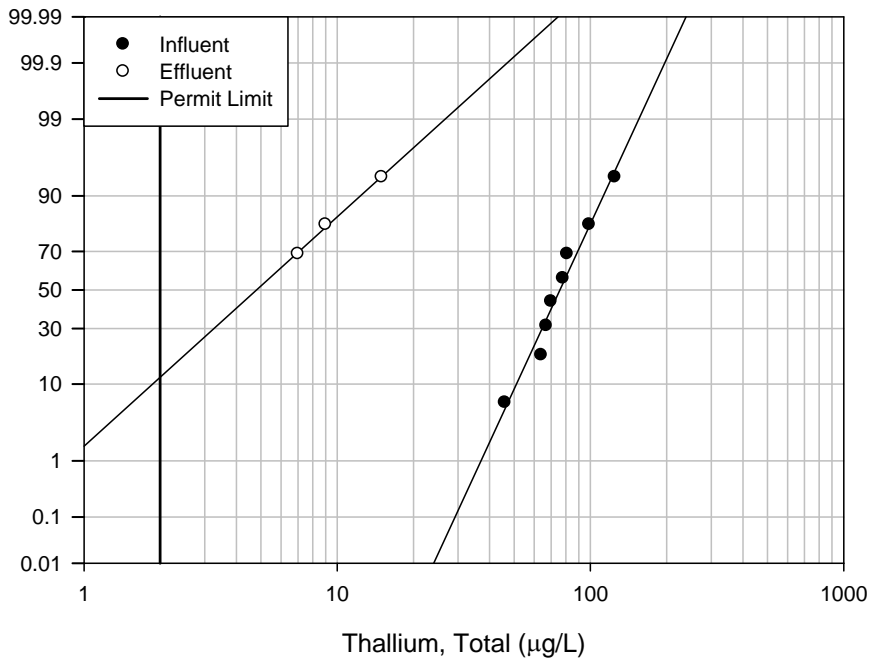
Total Thallium
Site Sand (S)



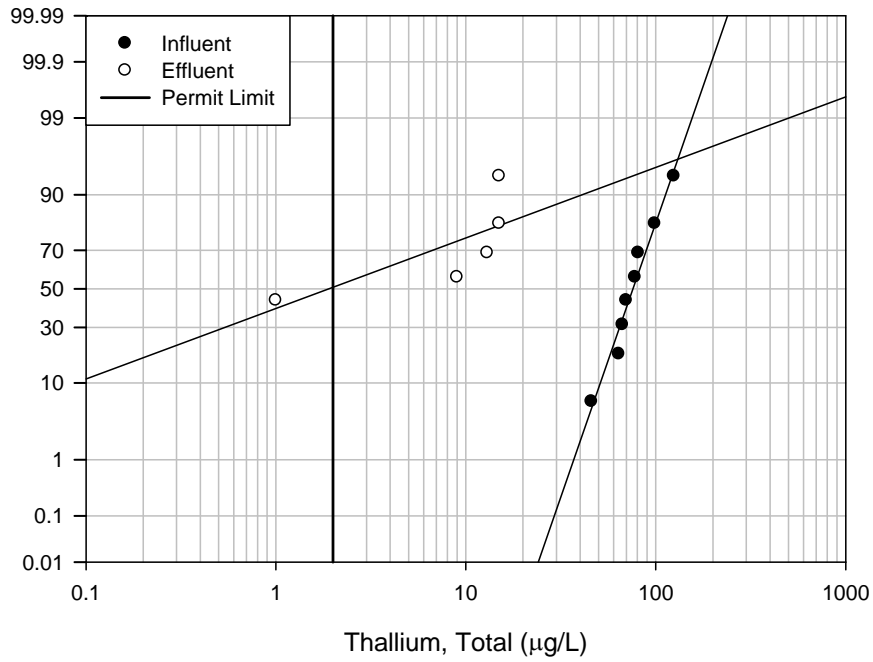
Total Thallium Site Zeolite (Z)



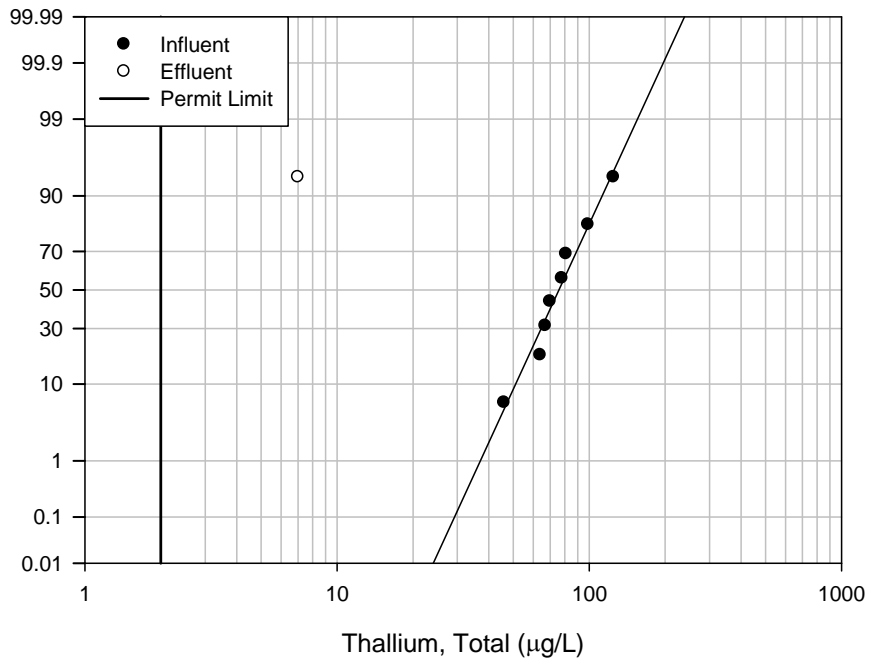
Total Thallium Surface Modified Zeolite (SMZ)



Total Thallium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

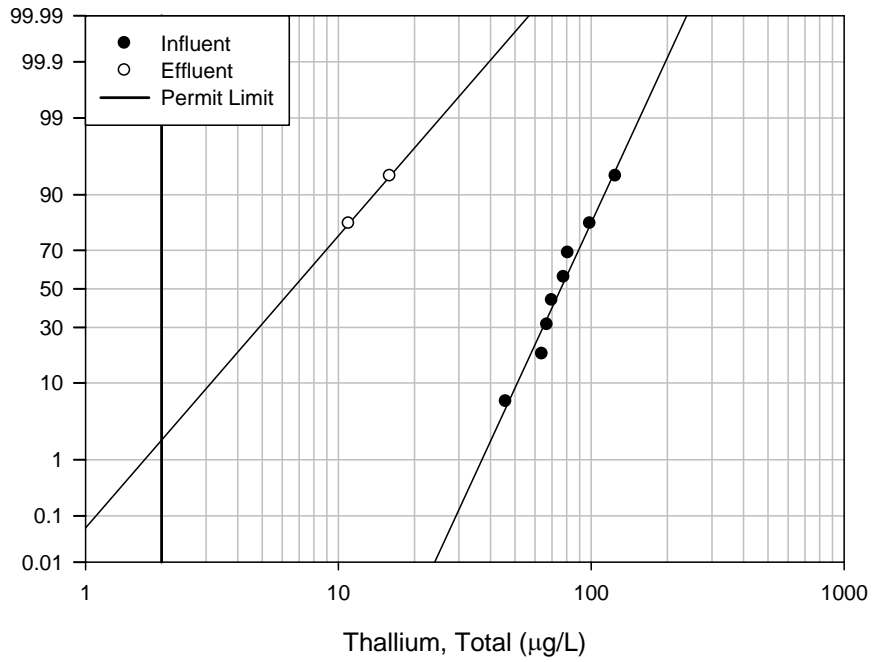


Total Thallium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



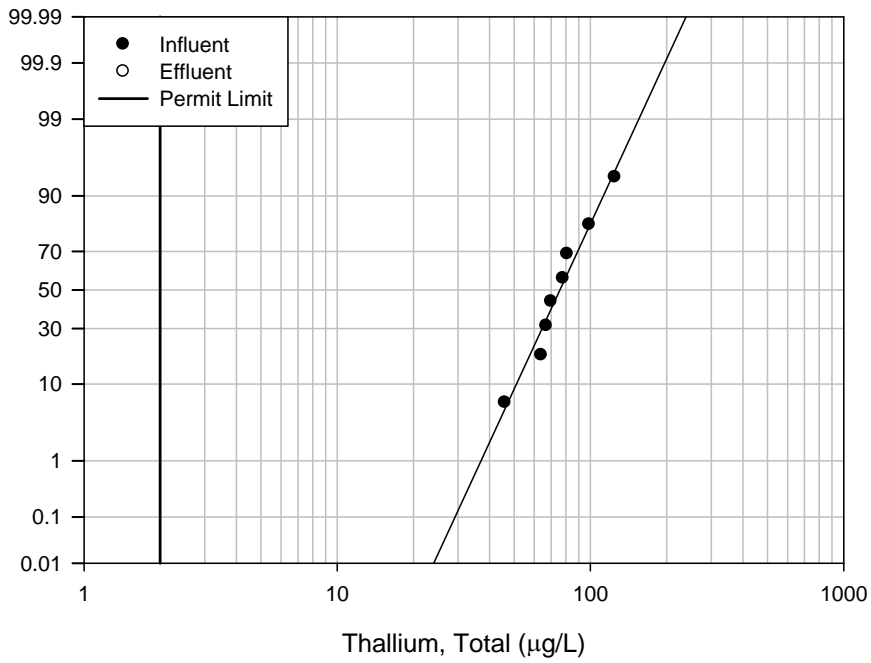
Total Thallium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



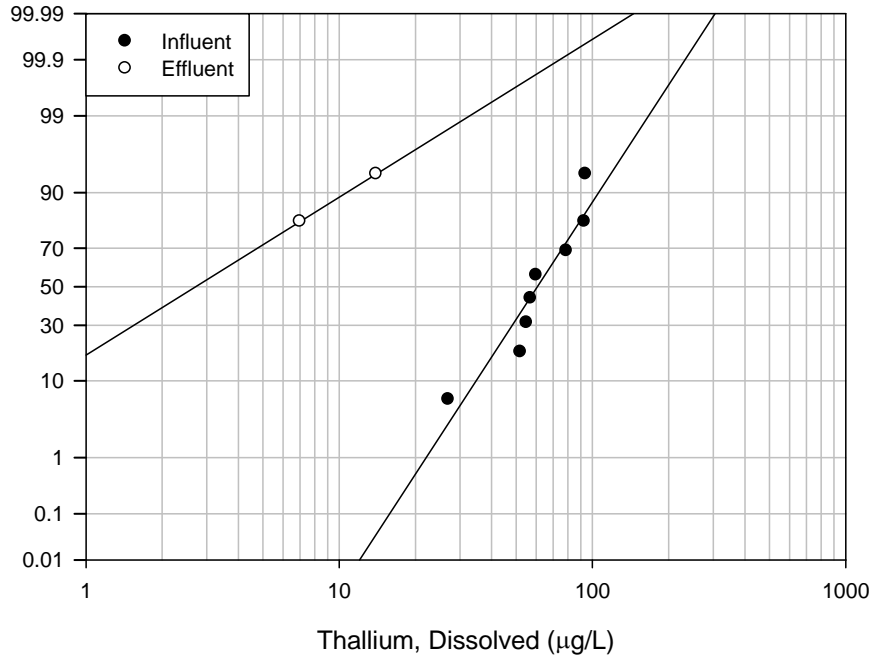
Total Thallium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

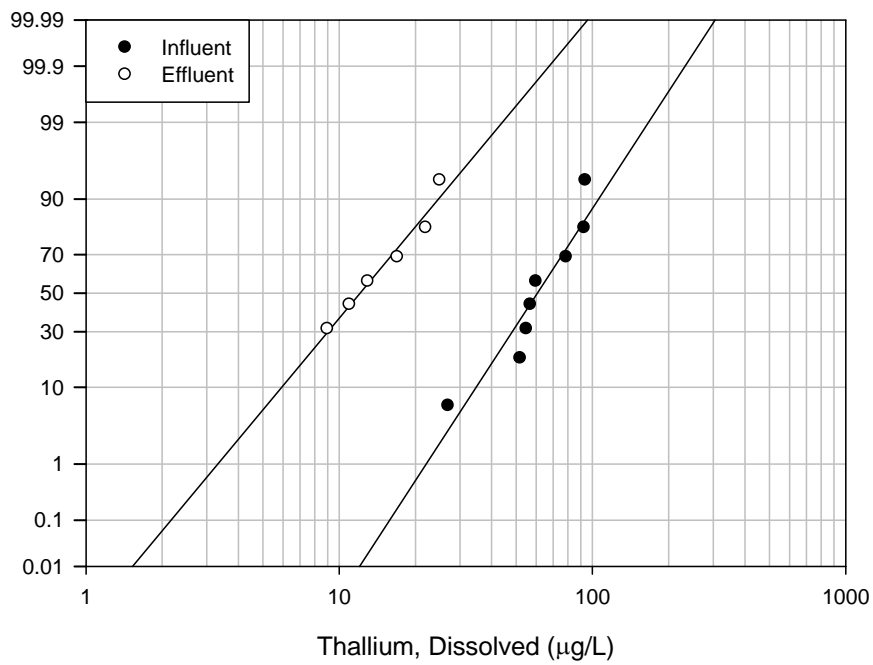


Thallium, Filtered

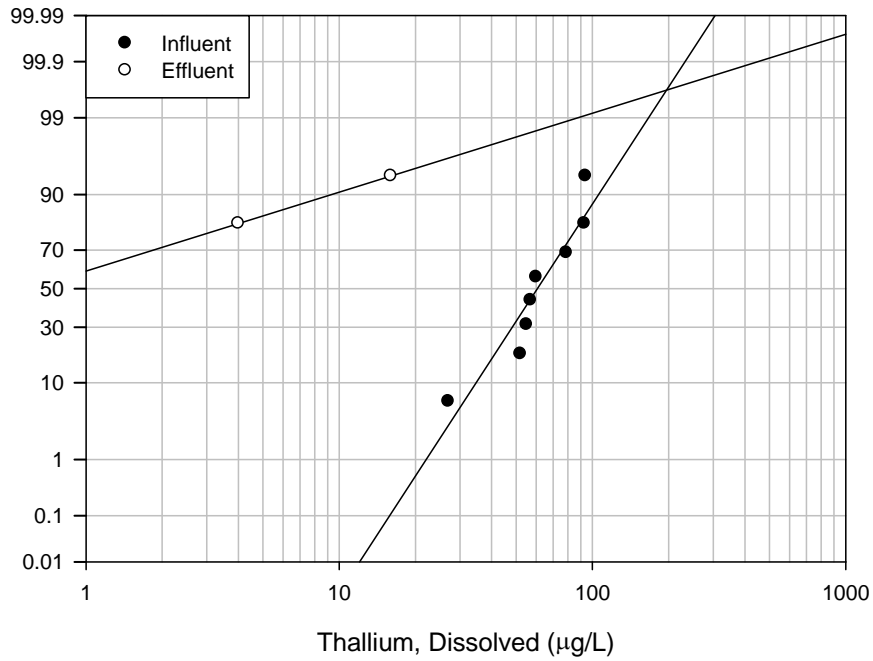
Dissolved Thallium
Granular Activated Carbon (GAC)



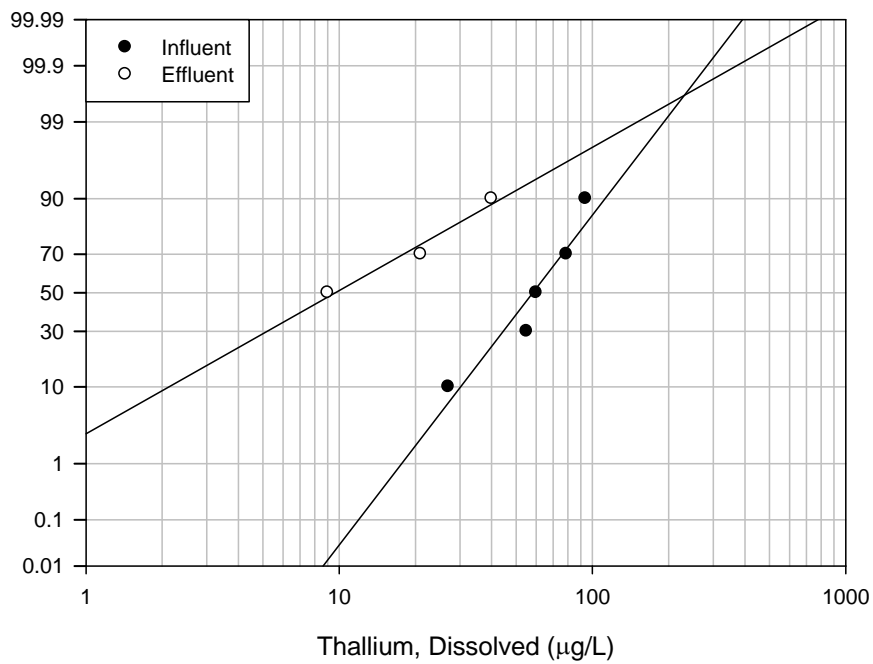
Dissolved Thallium
Peat Moss (P)



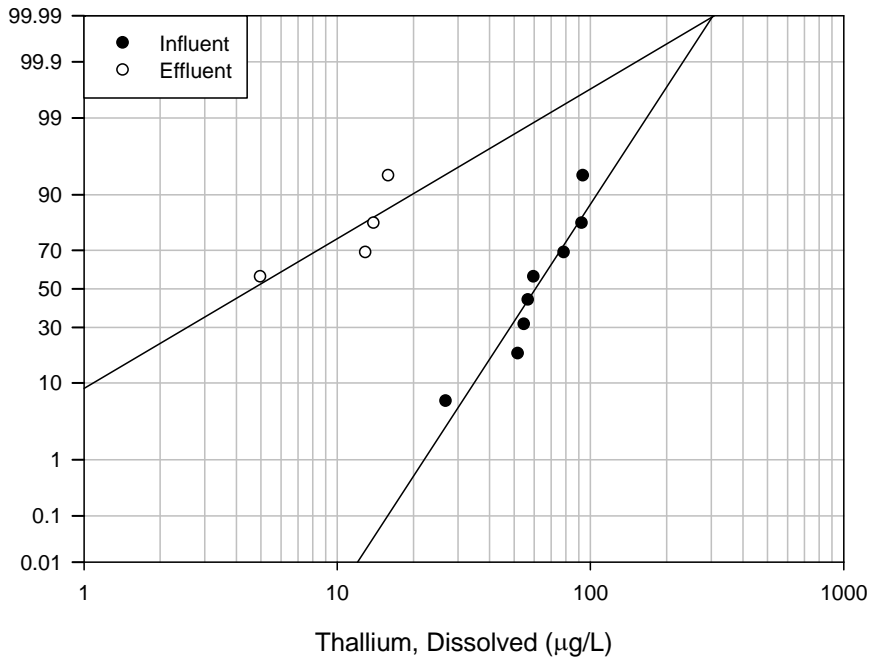
Dissolved Thallium
Rhyolite Sand (R)



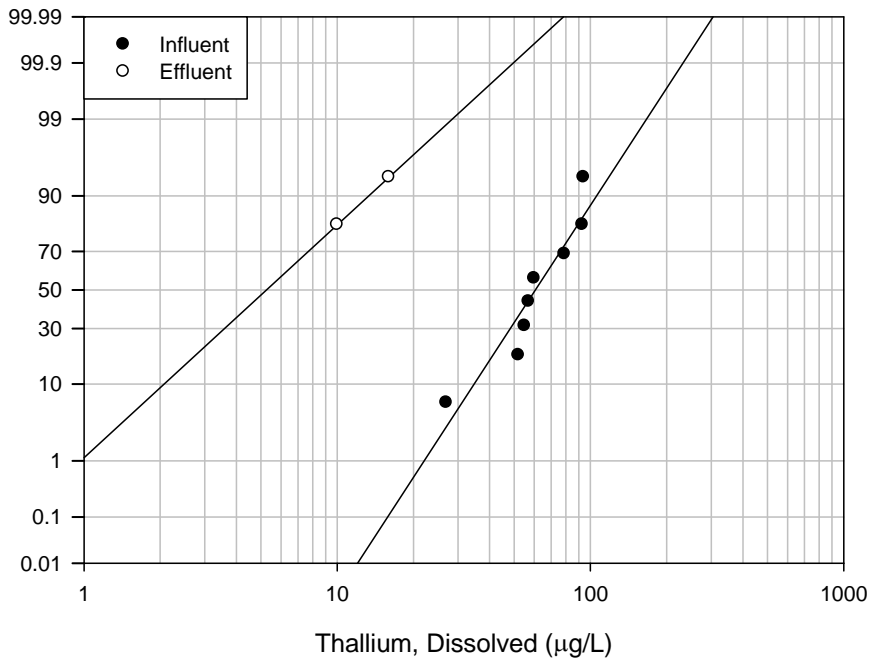
Dissolved Thallium
Site Sand (S)



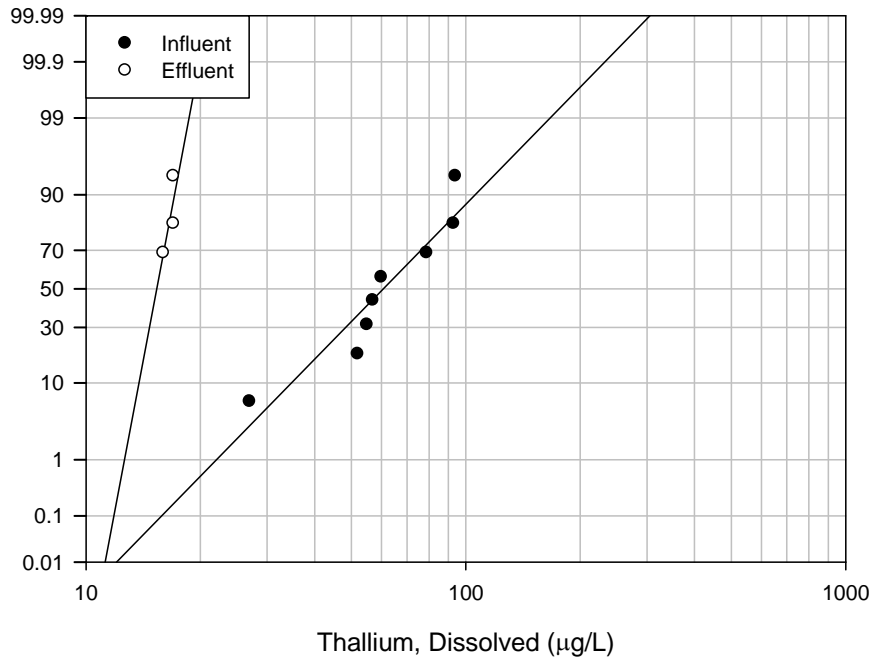
Dissolved Thallium Site Zeolite (Z)



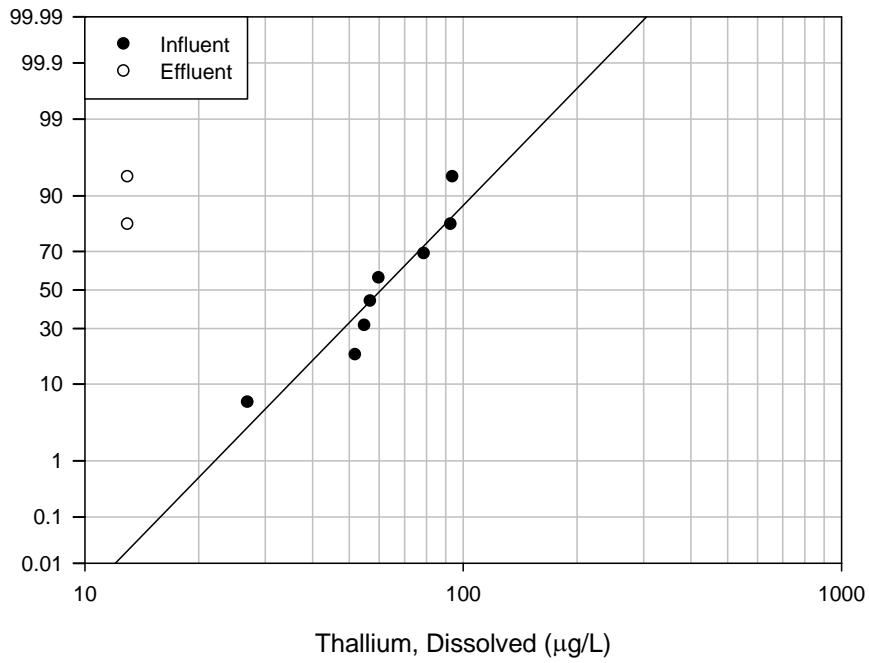
Dissolved Thallium Surface Modified Zeolite (SMZ)



Dissolved Thallium
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

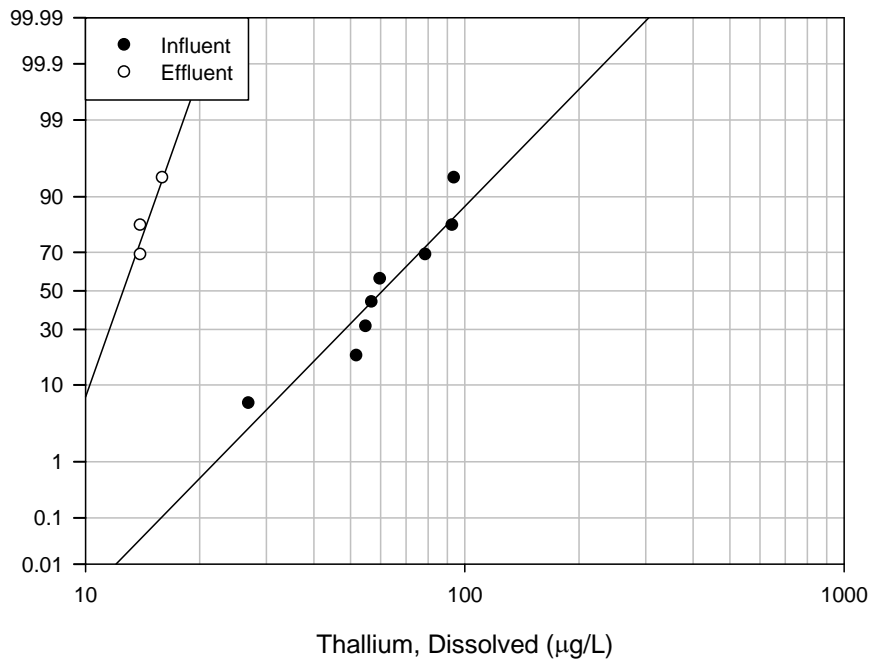


Dissolved Thallium
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



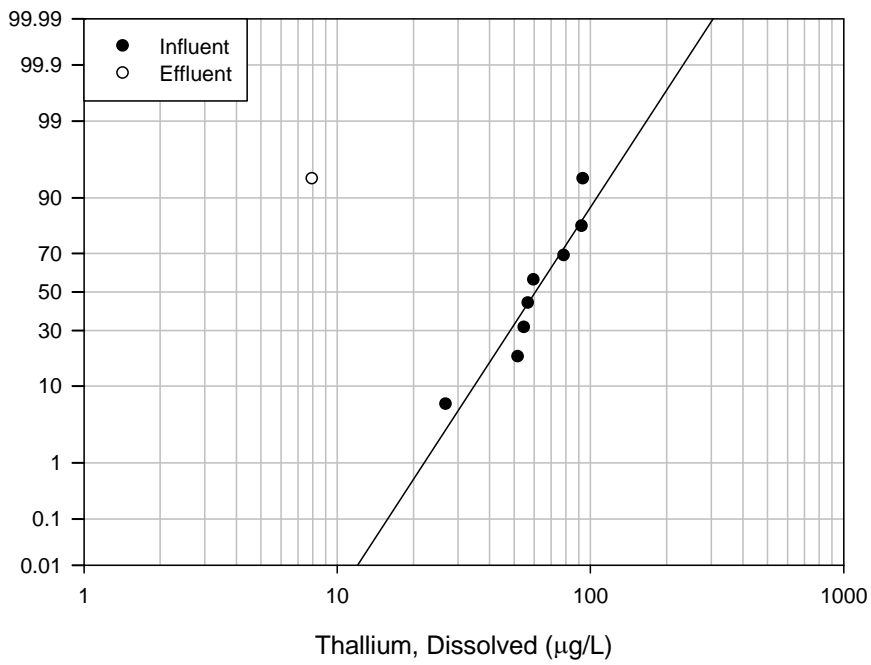
Dissolved Thallium

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



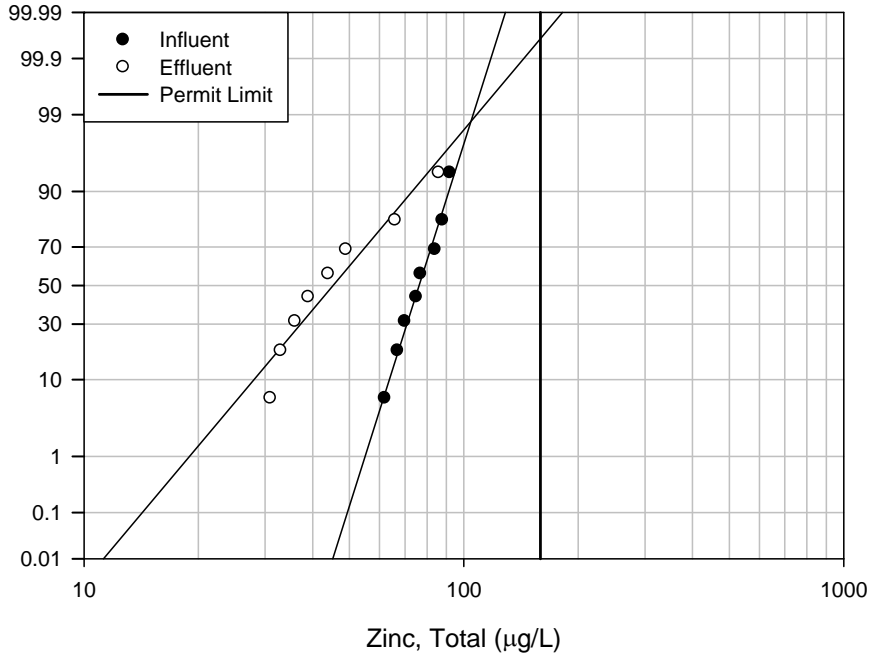
Dissolved Thallium

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

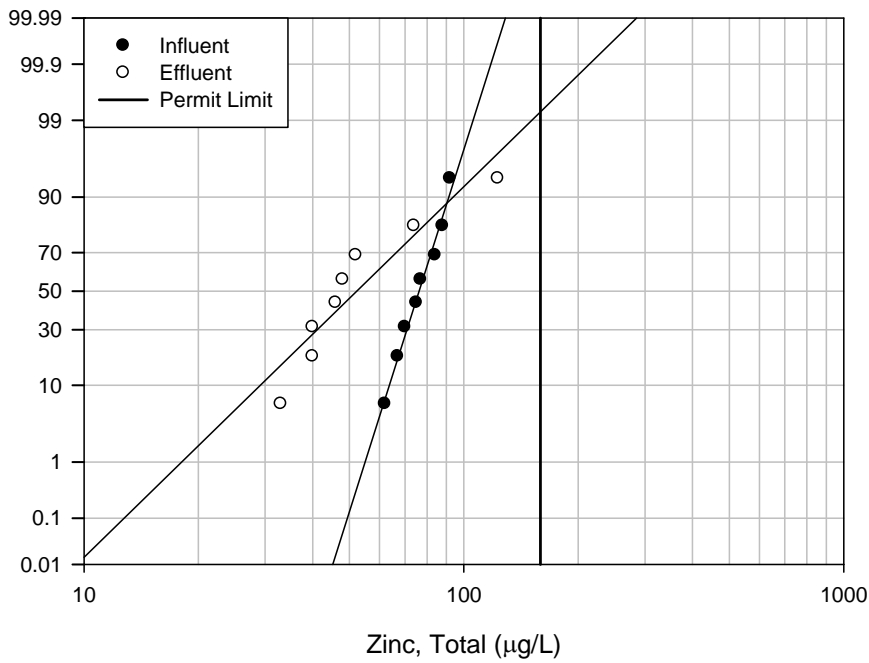


Zinc, Total

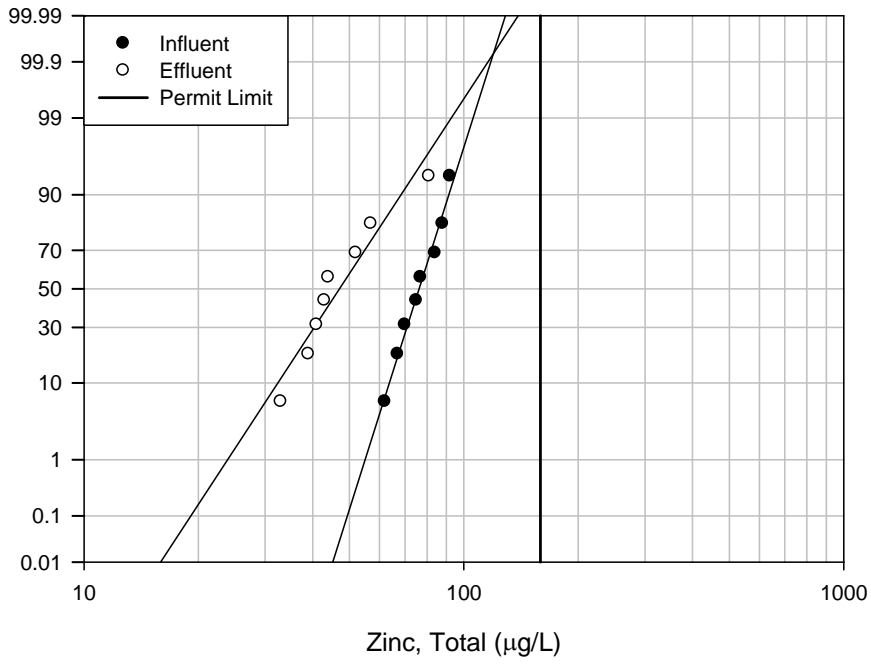
Total Zinc
Granular Activated Carbon (GAC)



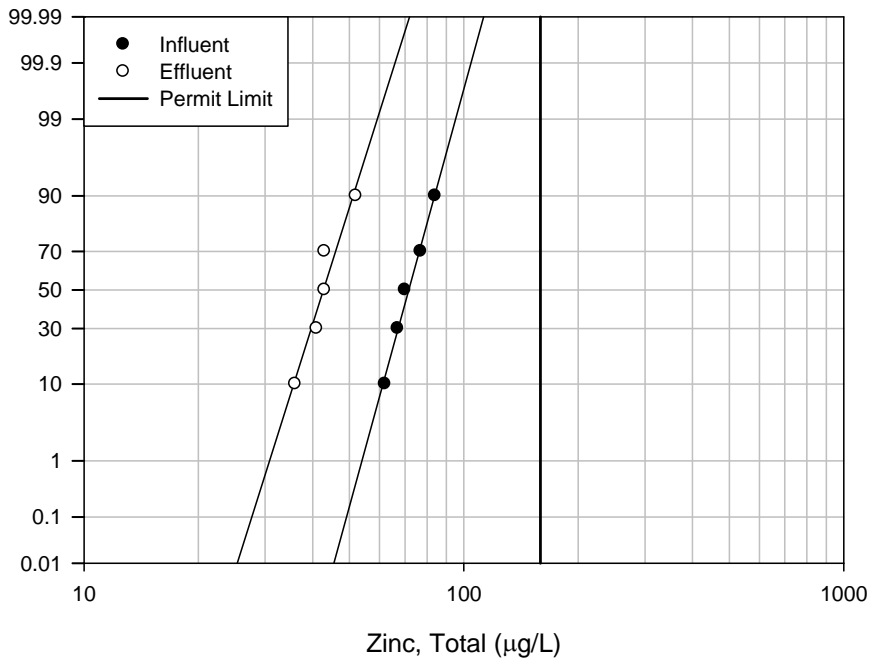
Total Zinc
Peat Moss (P)



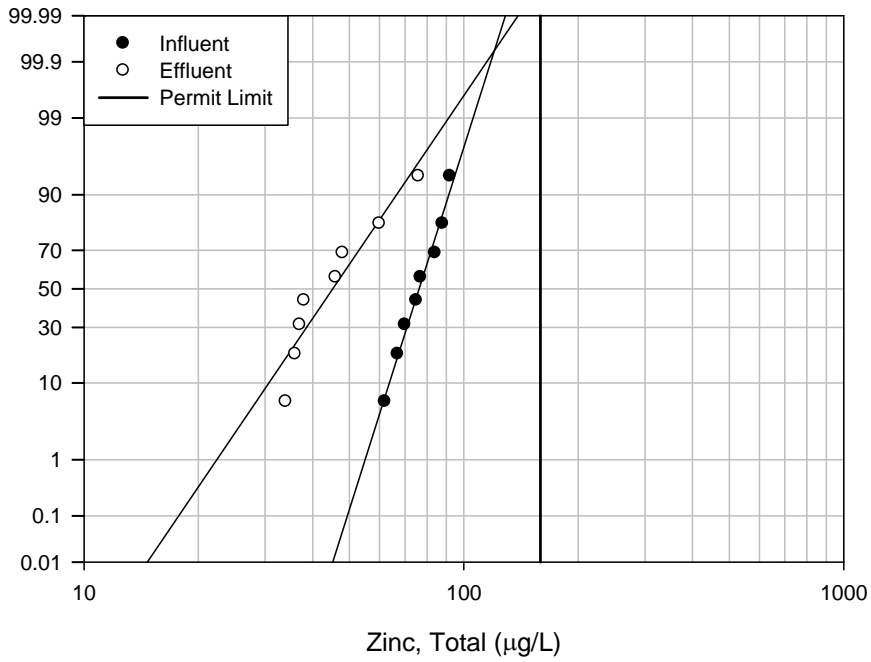
Total Zinc
Rhyolite Sand (R)



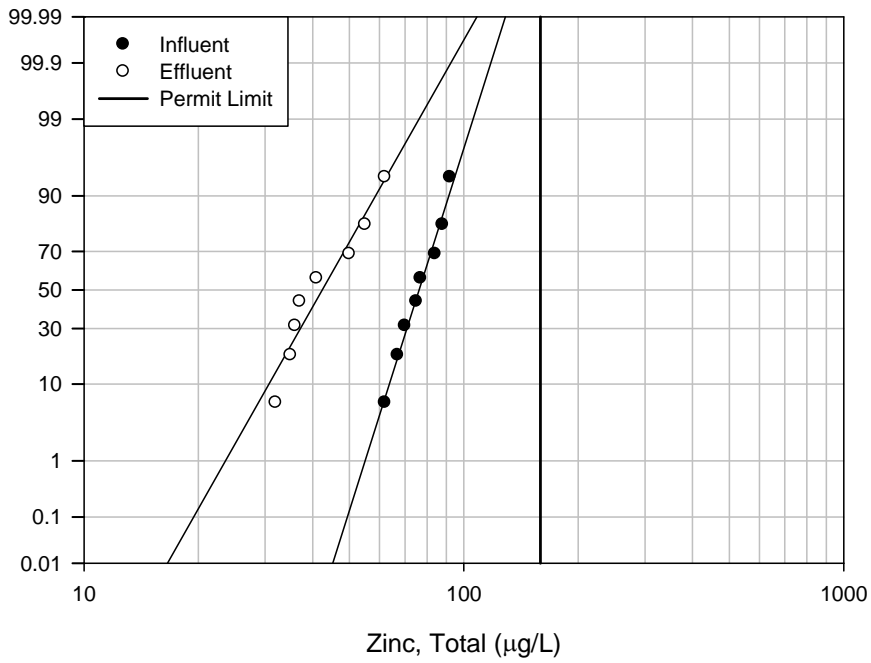
Total Zinc
Site Sand (S)



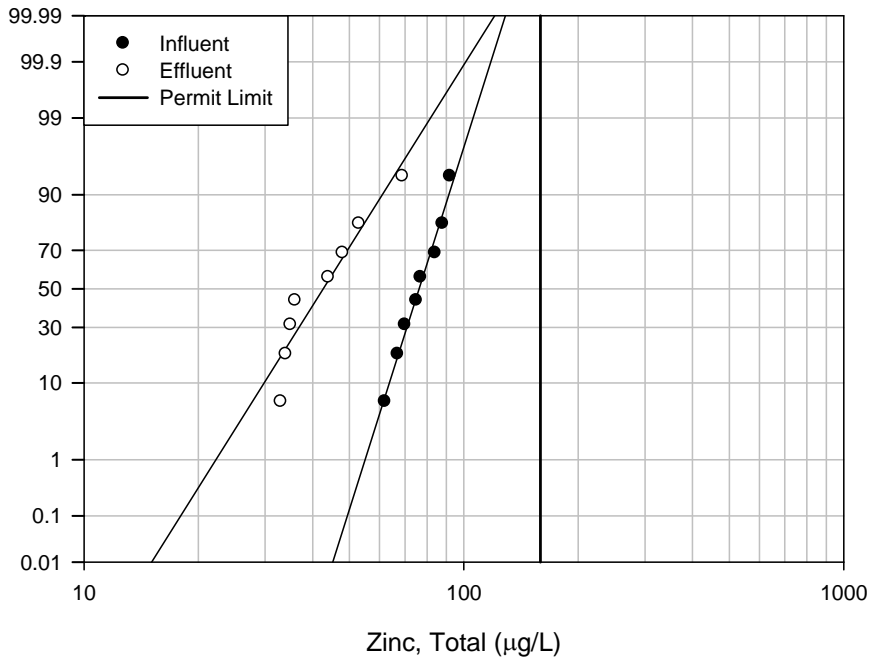
Total Zinc Site Zeolite (Z)



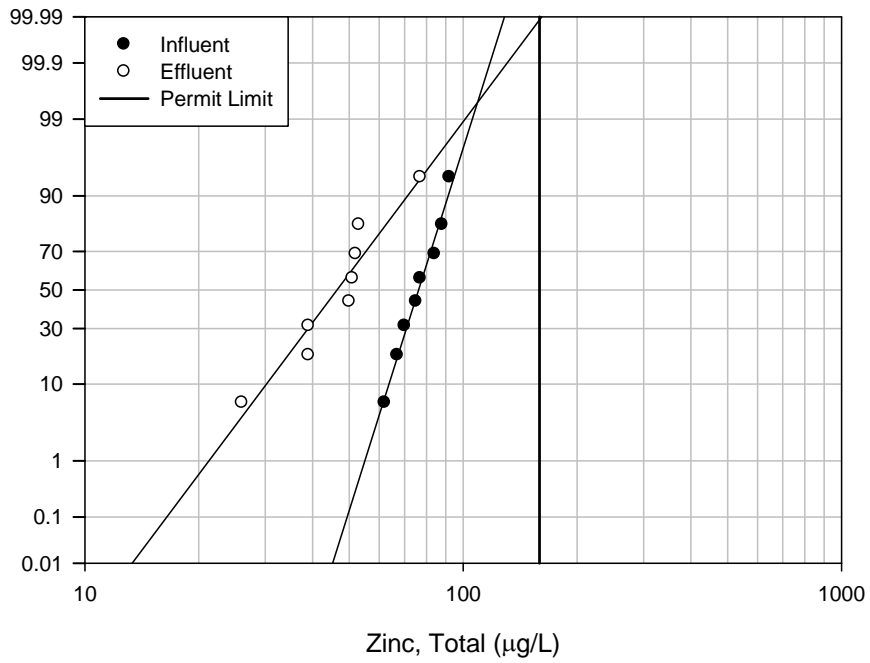
Total Zinc Surface Modified Zeolite (SMZ)



Total Zinc Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

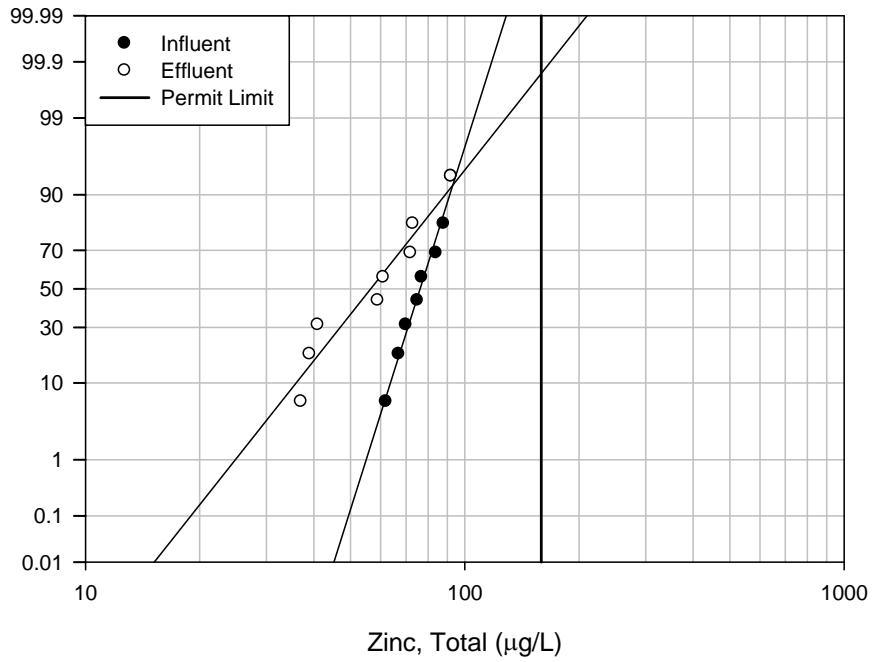


Total Zinc Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



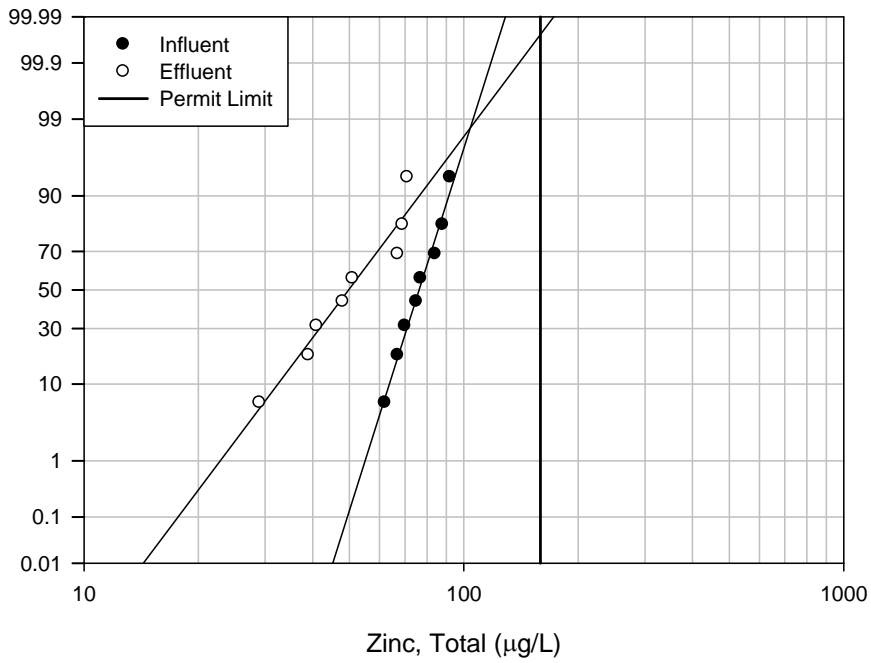
Total Zinc

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



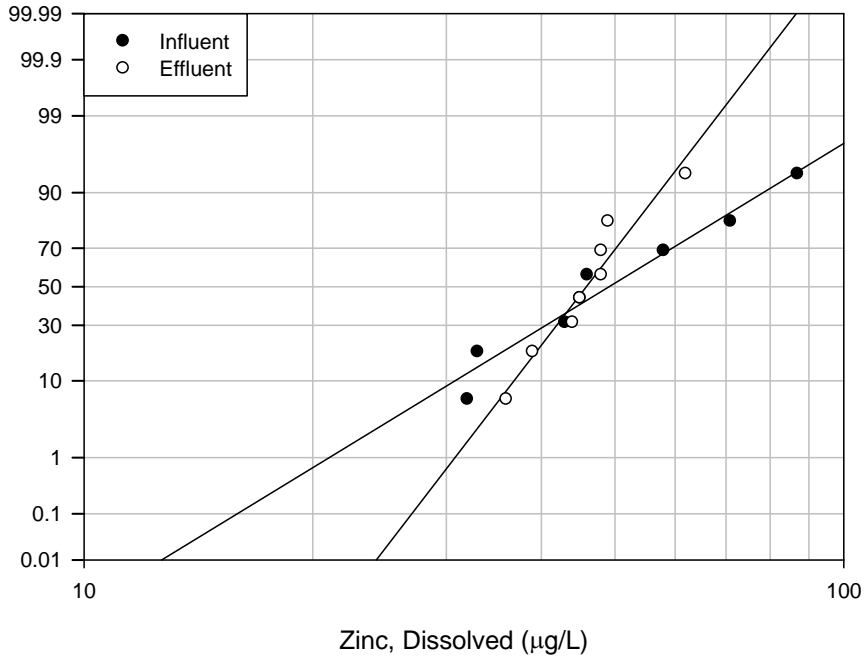
Total Zinc

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

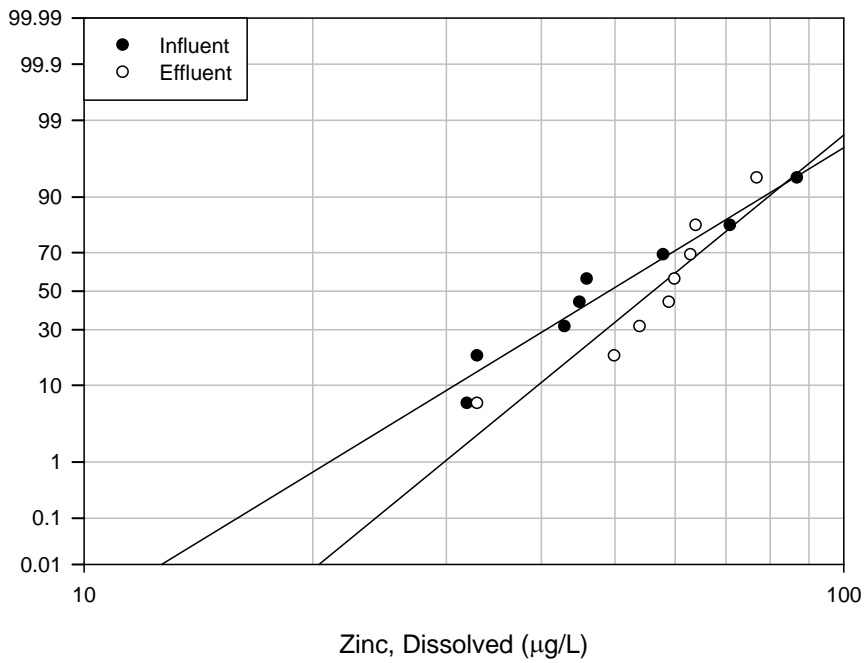


Zinc, Filtered

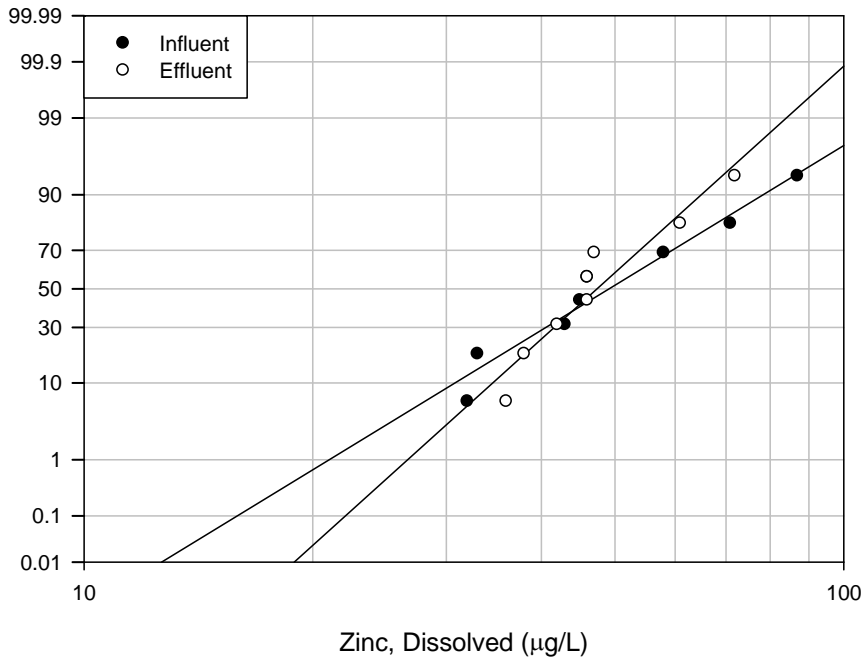
Dissolved Zinc
Granular Activated Carbon (GAC)



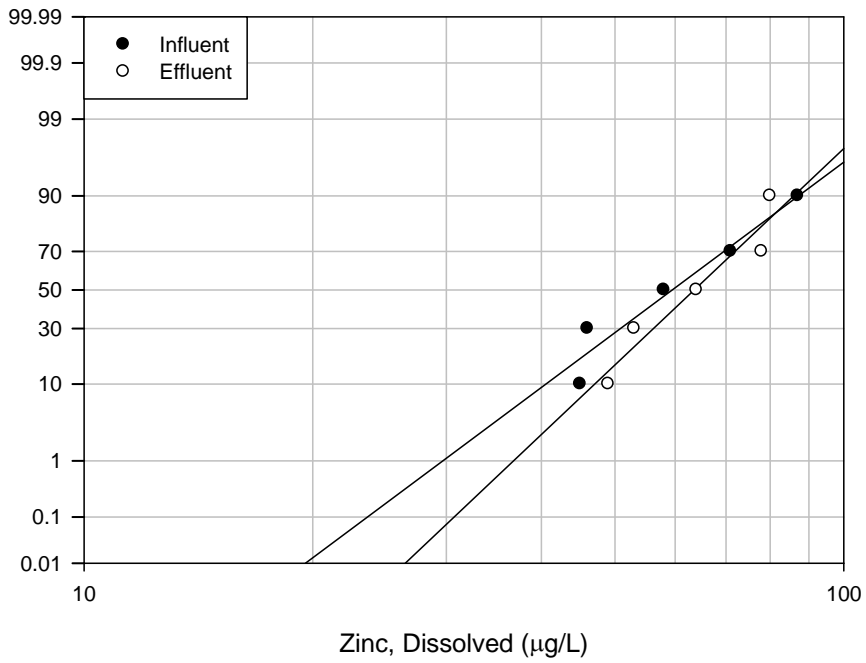
Dissolved Zinc
Peat Moss (P)



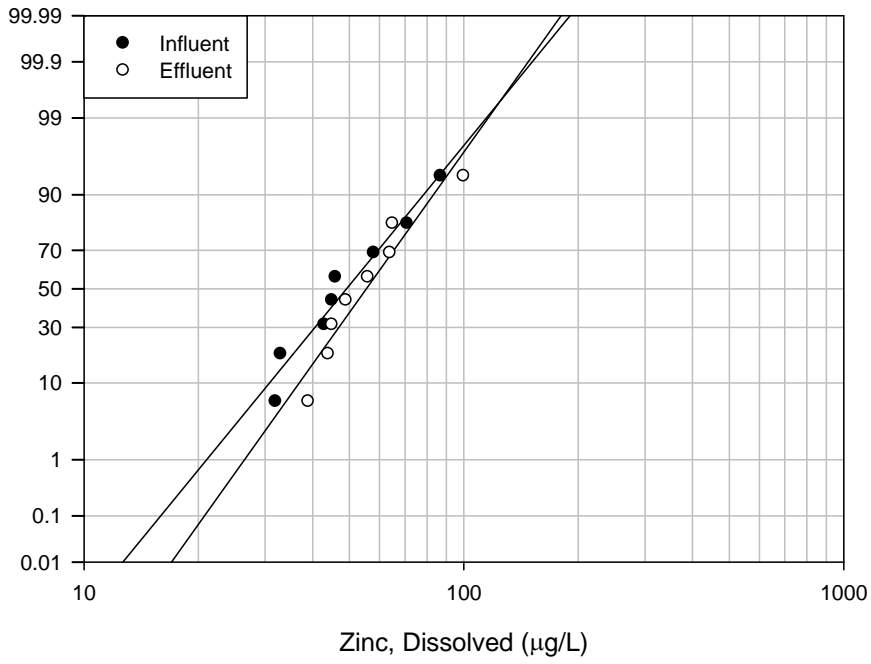
Dissolved Zinc
Rhyolite Sand (R)



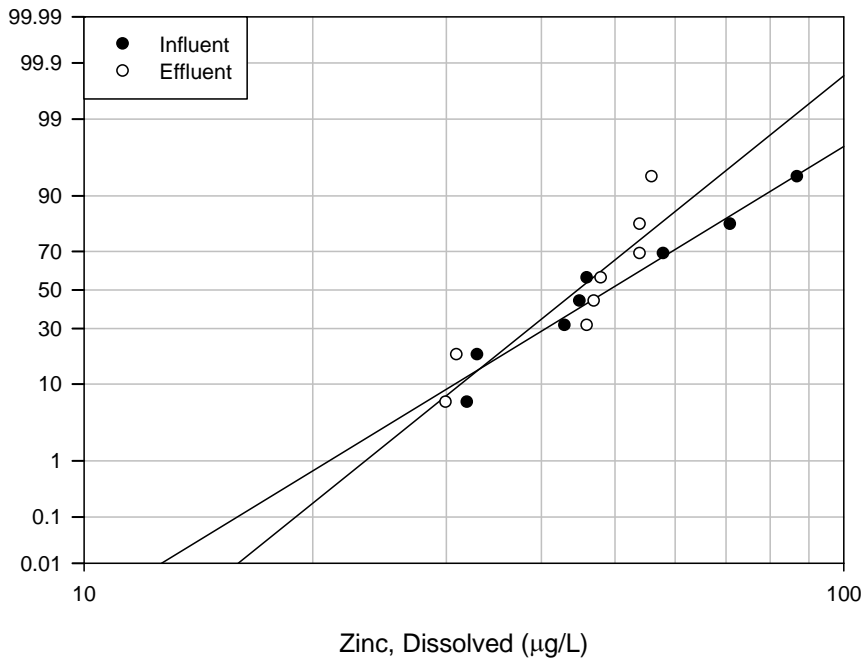
Dissolved Zinc
Site Sand (S)



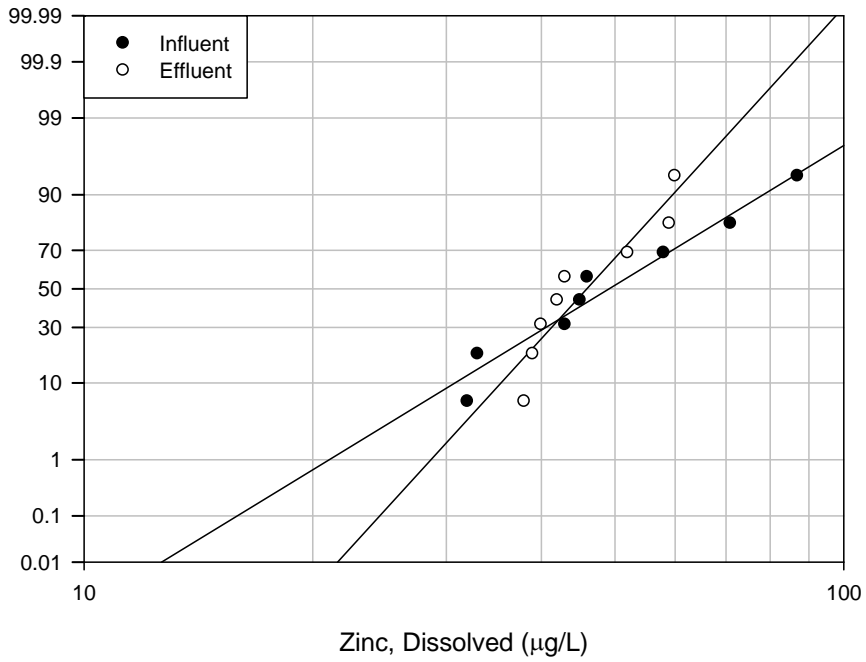
Dissolved Zinc
Site Zeolite (Z)



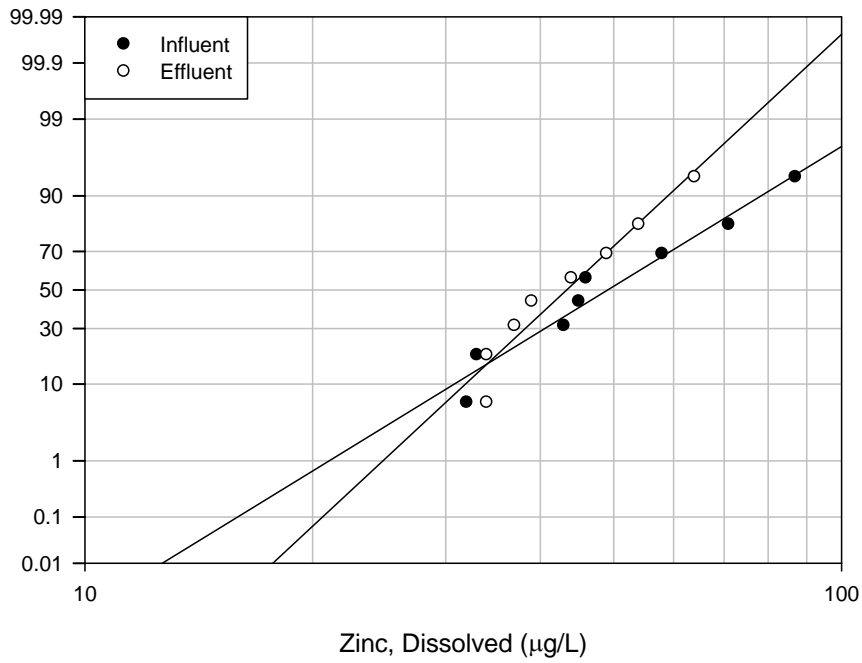
Dissolved Zinc
Surface Modified Zeolite (SMZ)



Dissolved Zinc
Rhyolite Sand - Surface Modified Zeolite (R - SMZ)

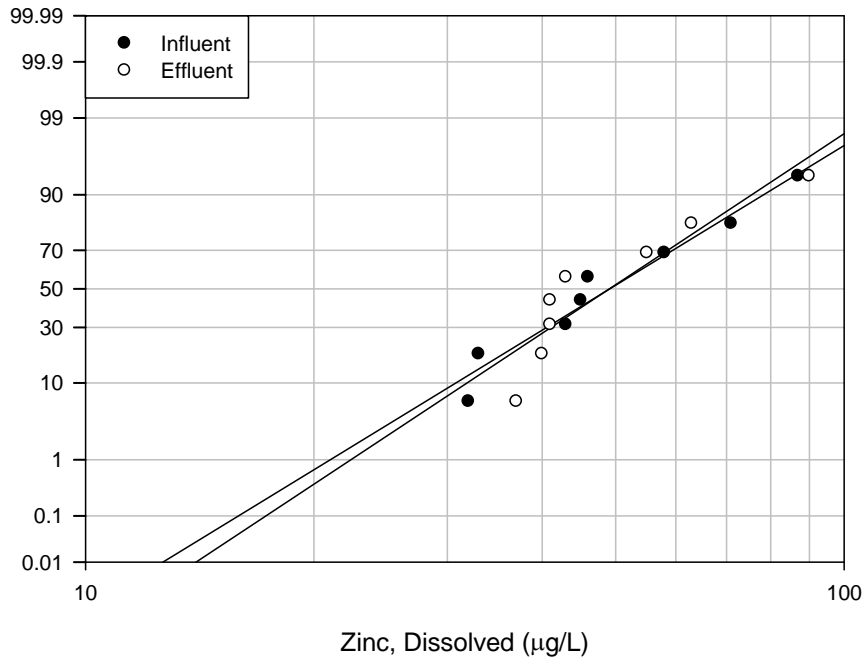


Dissolved Zinc
Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon (R - SMZ - G) Mixed Media



Dissolved Zinc

Rhyolite Sand - Surface Modified Zeolite - Granular Activated Carbon - Peat Moss (R - SMZ - G - P)



Dissolved Zinc

Layered Site Sand - Site Zeolite - Granular Activated Carbon (SZG)

