APPENDIX B
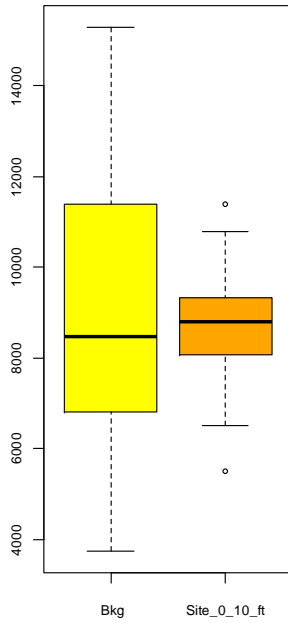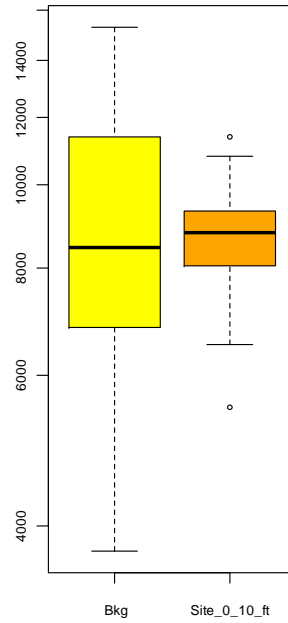## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Aluminum

Background vs Site Boxplots
chemical_name = Aluminum (log-scale)

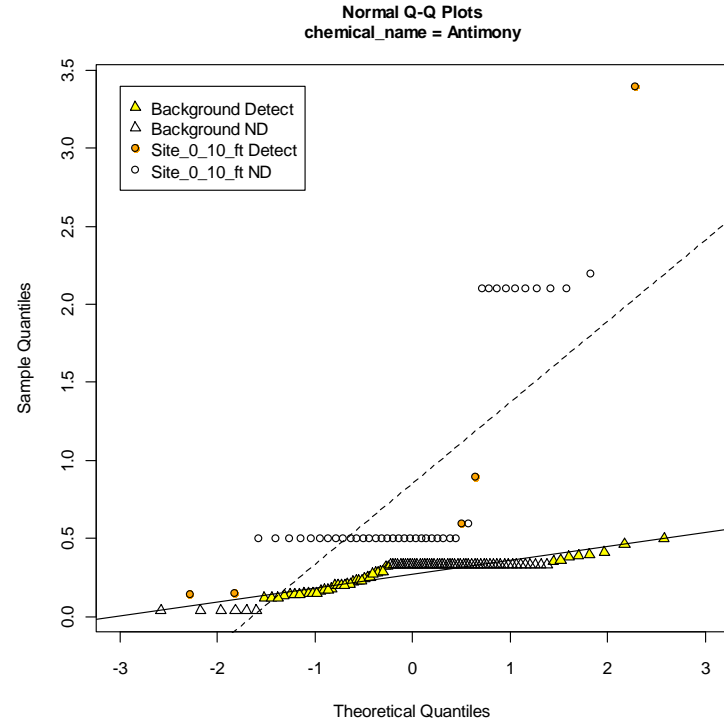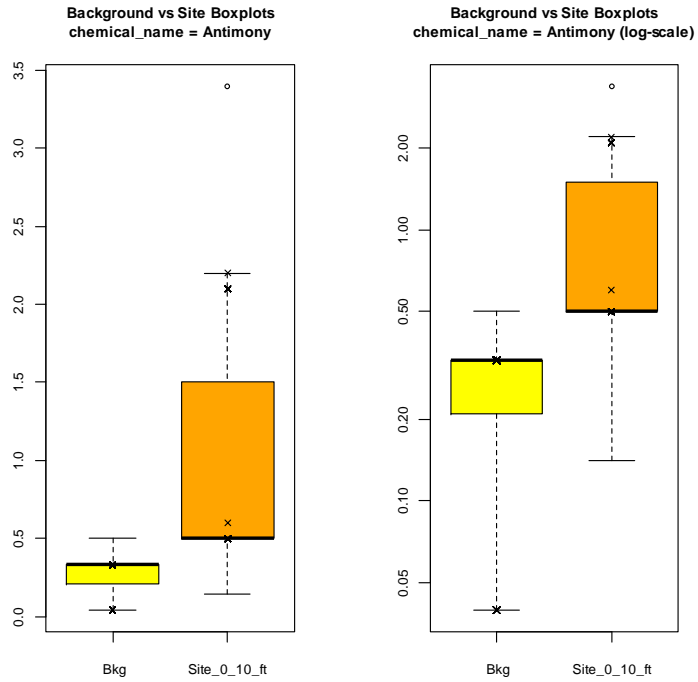**Normal Q-Q Plots**
chemical_name = Aluminum

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Antimony

Background vs Site Boxplots
chemical_name = Antimony (log-scale)

Normal Q-Q Plots
chemical_name = Antimony

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

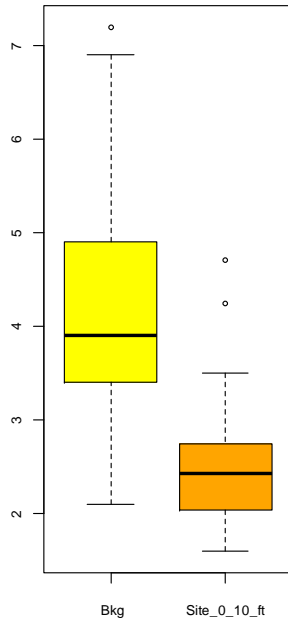RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

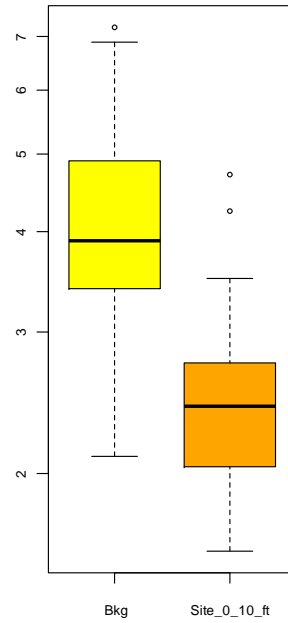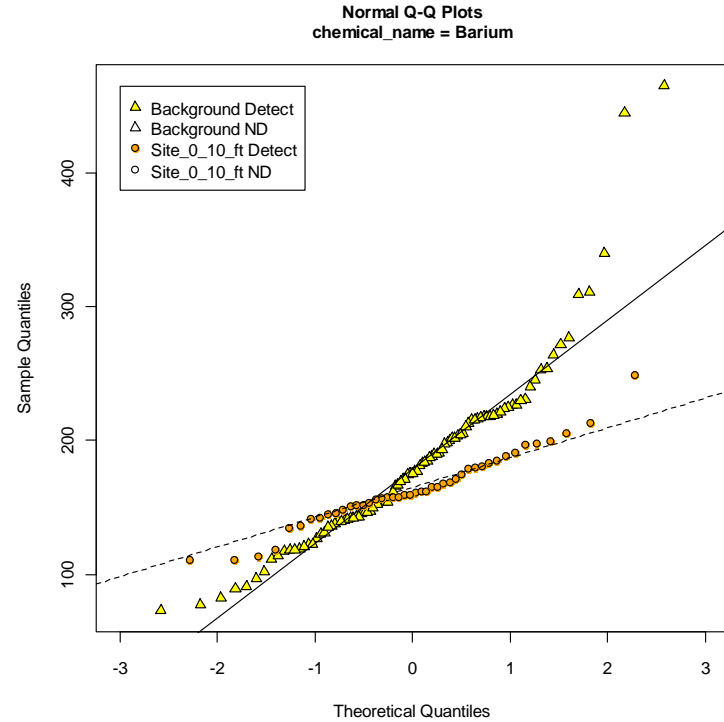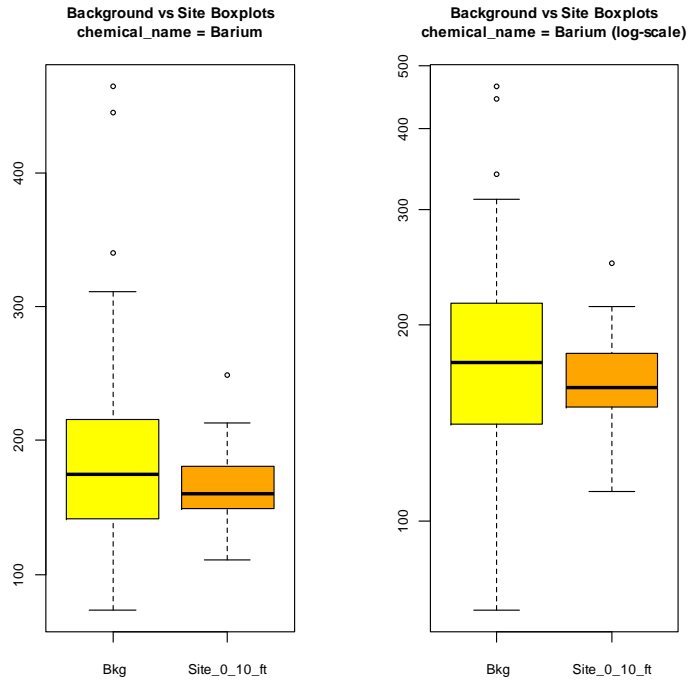**Background vs Site Boxplots**
chemical_name = Arsenic

Background vs Site Boxplots
chemical_name = Arsenic (log-scale)

Normal Q-Q Plots
chemical_name = Arsenic

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)   RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Barium

Background vs Site Boxplots
chemical_name = Barium (log-scale)

Normal Q-Q Plots
chemical_name = Barium

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

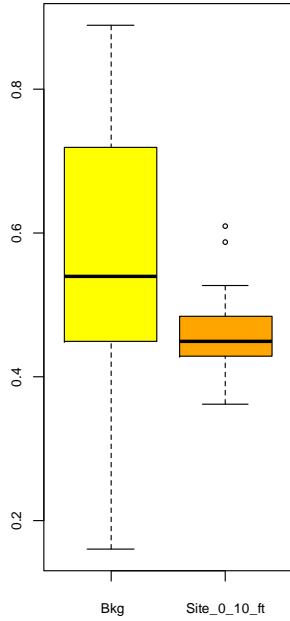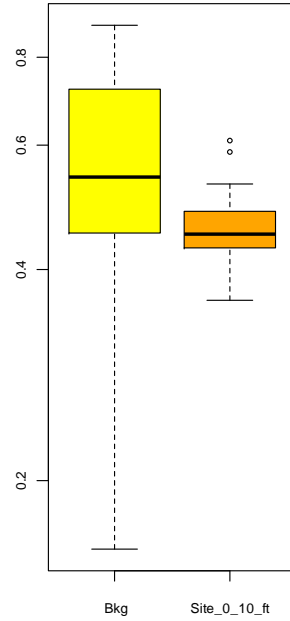RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Beryllium

Background vs Site Boxplots
chemical_name = Beryllium (log-scale)

Normal Q-Q Plots
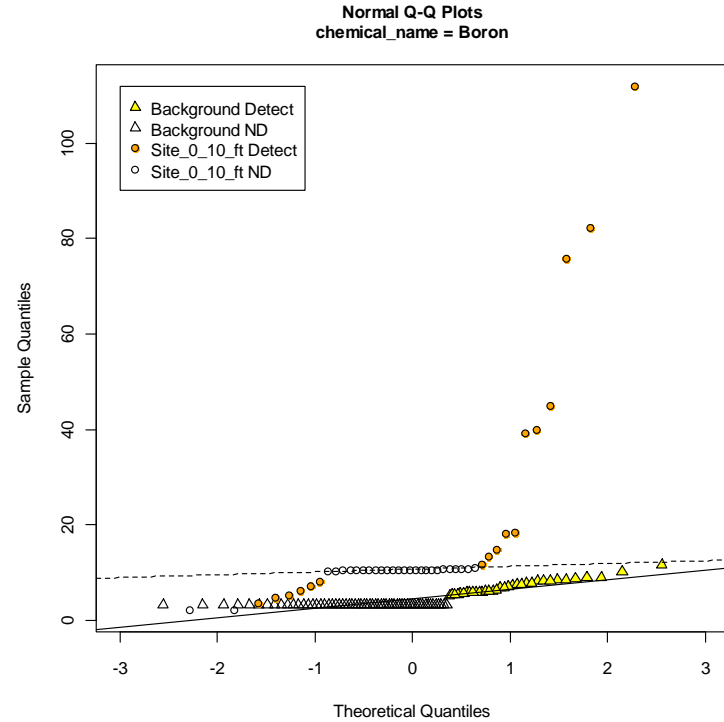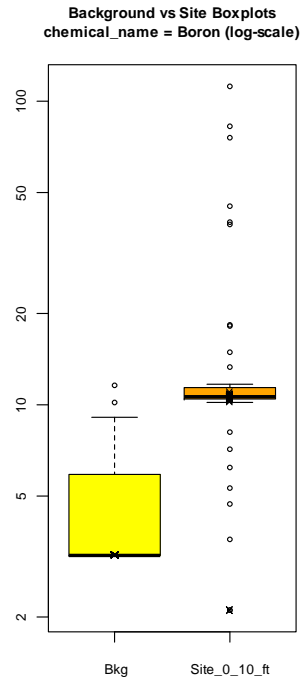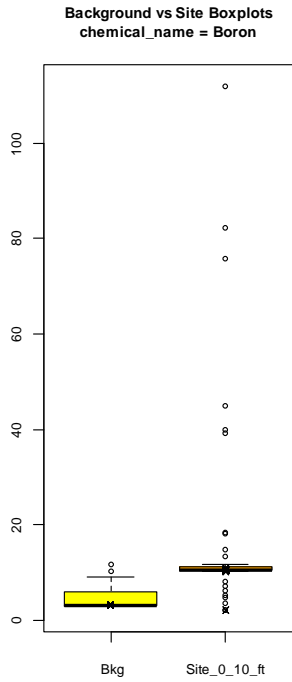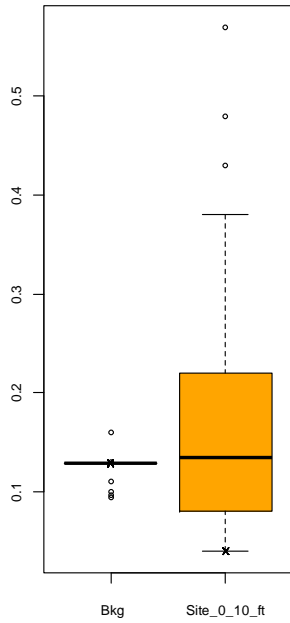**chemical_name = Beryllium**

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Boron

Background vs Site Boxplots
chemical_name = Boron (log-scale)

Normal Q-Q Plots
chemical_name = Boron

APPENDIX B
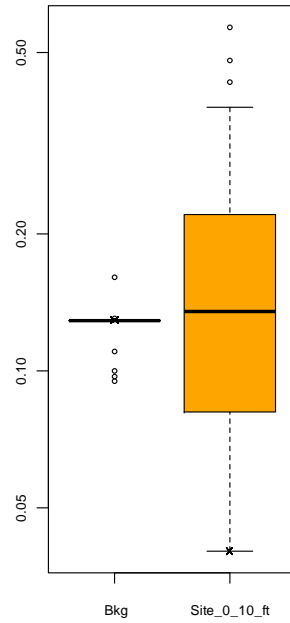## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

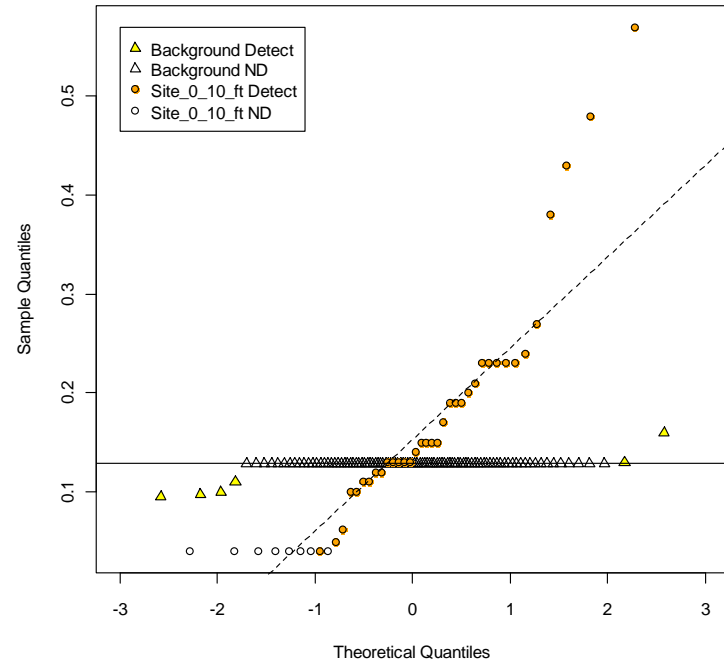RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Cadmium

Background vs Site Boxplots
chemical_name = Cadmium (log-scale)

Normal Q-Q Plots
chemical_name = Cadmium

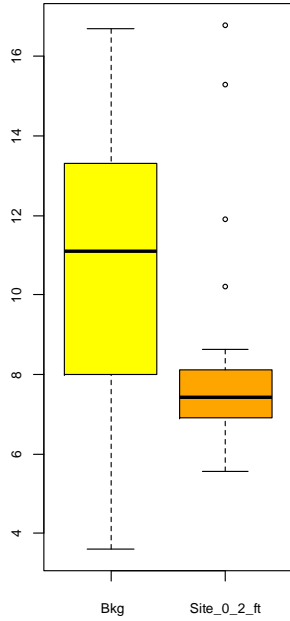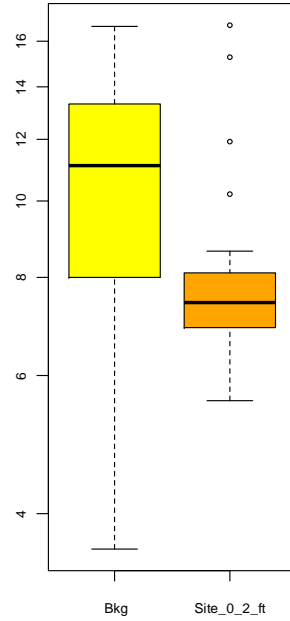# APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

Background vs Site Boxplots
chemical_name = Chromium (Total)

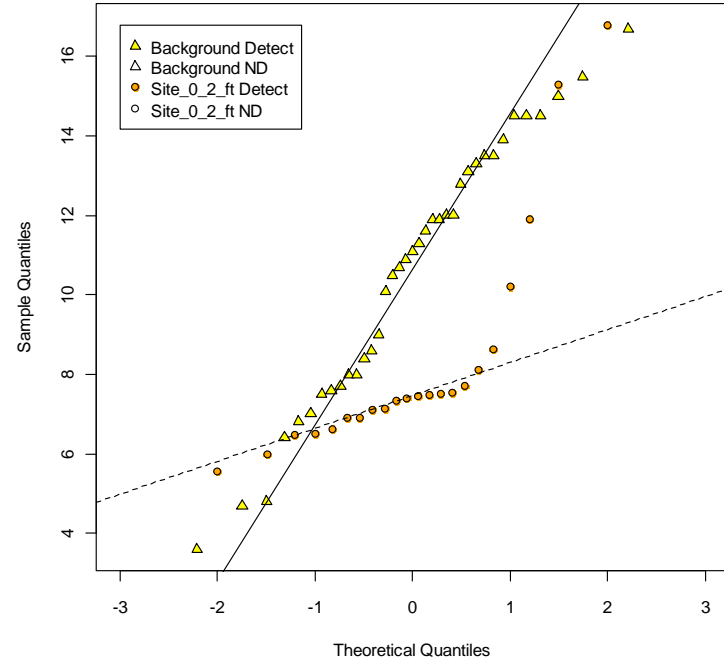**Background vs Site Boxplots**
chemical_name = Chromium (Total) (log-scale)

Normal Q-Q Plots
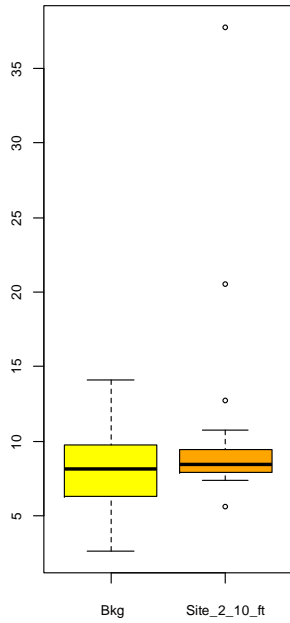**chemical_name = Chromium (Total)**

APPENDIX B
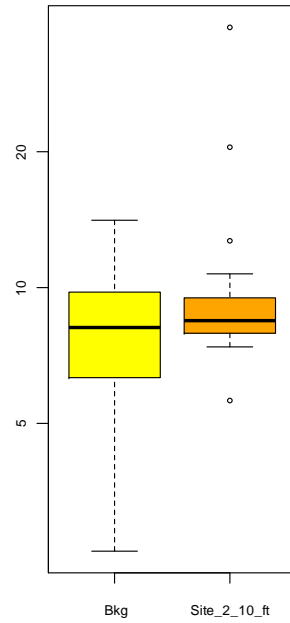## Probability Plots for Background Metal Evaluation

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

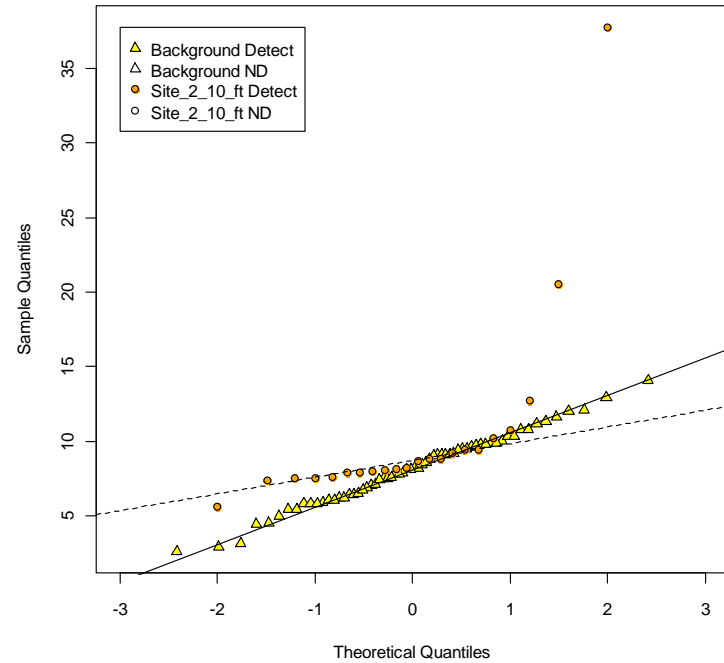RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

Background vs Site Boxplots
chemical_name = Chromium (Total)

Background vs Site Boxplots
chemical_name = Chromium (Total) (log-scale)

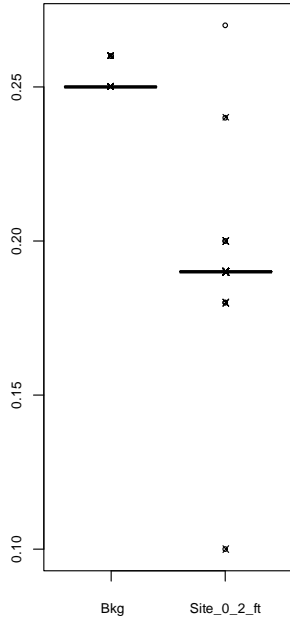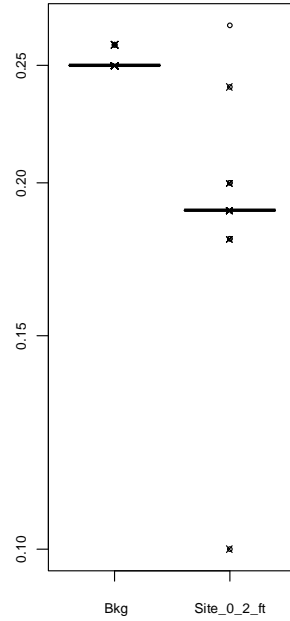**Normal Q-Q Plots**
chemical_name = Chromium (Total)

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)   RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

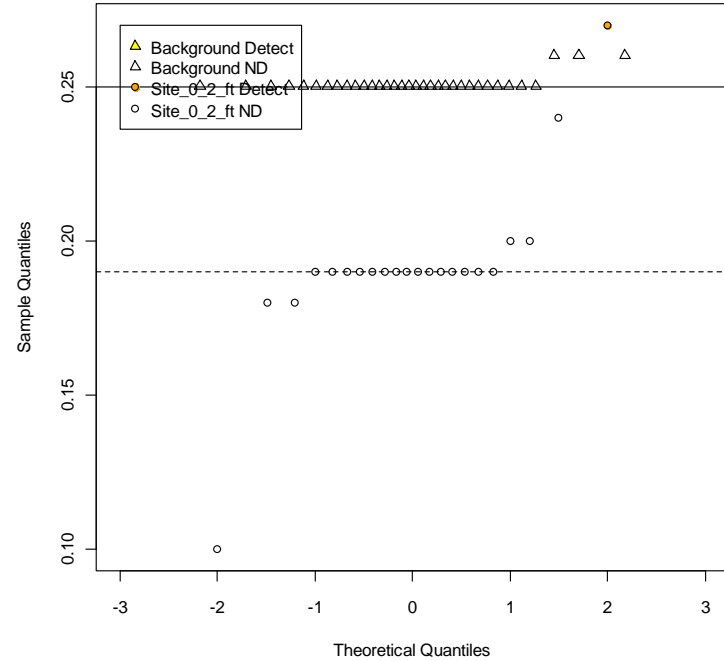**Background vs Site Boxplots**
chemical_name = Chromium (VI)

Background vs Site Boxplots
chemical_name = Chromium (VI) (log-scale)

Normal Q-Q Plots
chemical_name = Chromium (VI)

Legend:
- △ Background Detect
- △ Background ND
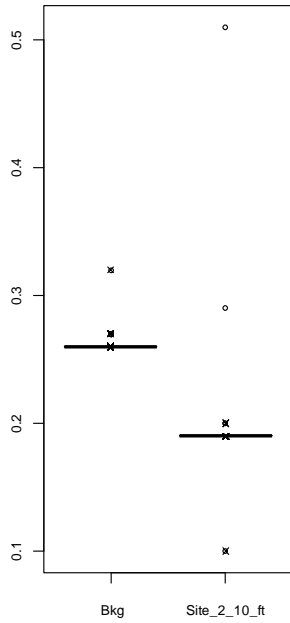- ● Site_0_2_ft Detect
- ○ Site_0_2_ft ND

APPENDIX B
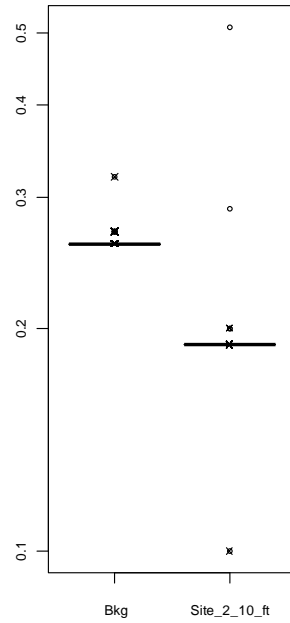## Probability Plots for Background Metal Evaluation

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

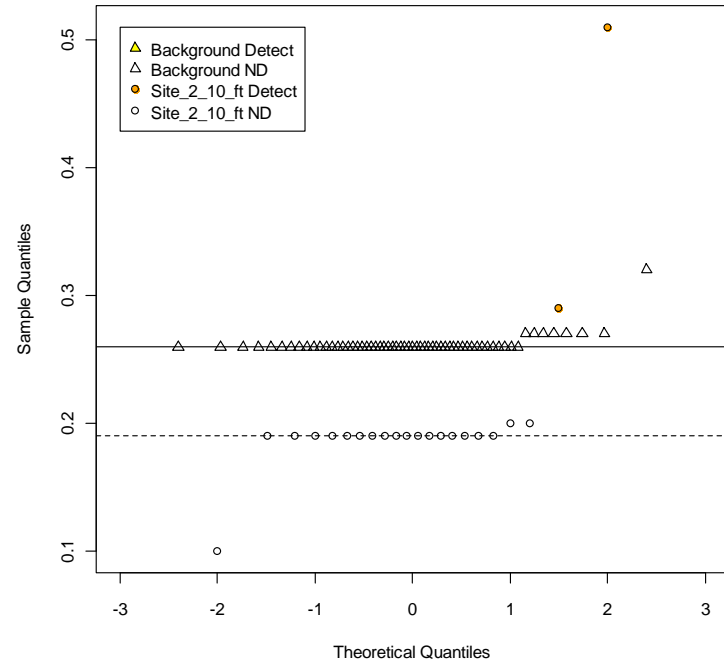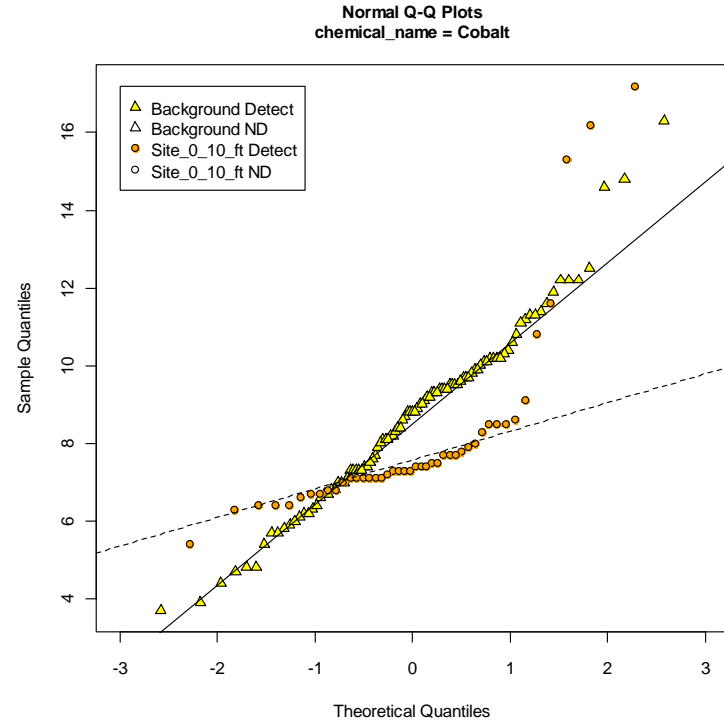RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

Background vs Site Boxplots
chemical_name = Chromium (VI)

Background vs Site Boxplots
chemical_name = Chromium (VI) (log-scale)

Normal Q-Q Plots
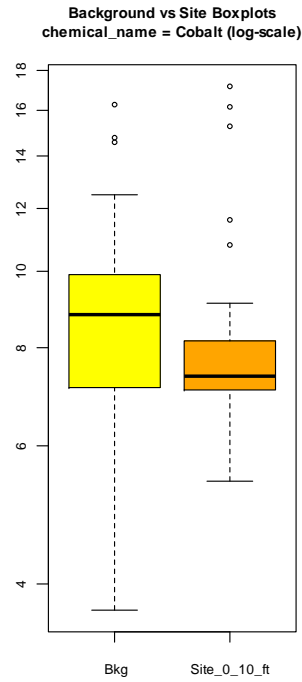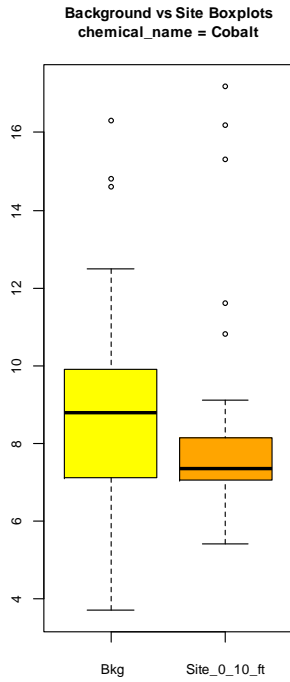**chemical_name = Chromium (VI)**

APPENDIX B
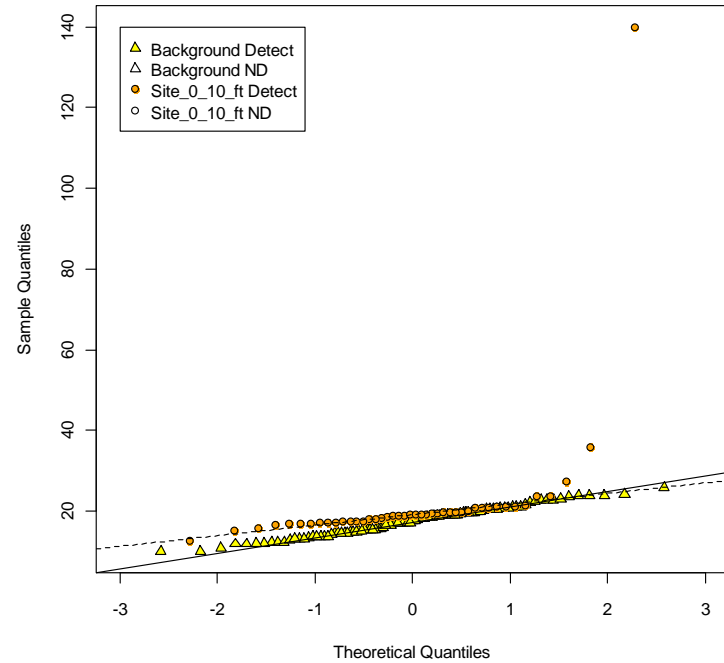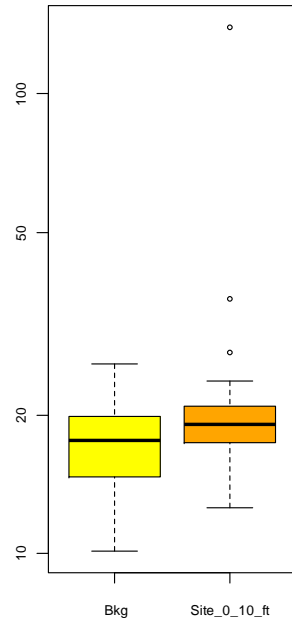## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Cobalt

Background vs Site Boxplots
chemical_name = Cobalt (log-scale)

Normal Q-Q Plots
chemical_name = Cobalt

APPENDIX B
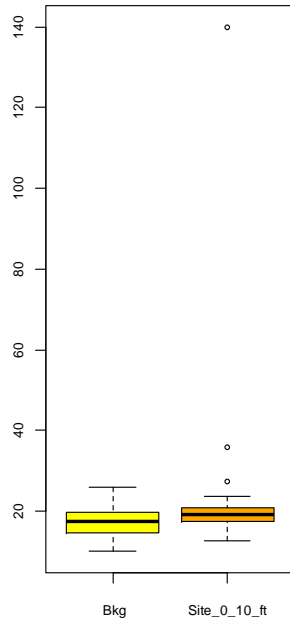## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Copper

Background vs Site Boxplots
chemical_name = Copper (log-scale)
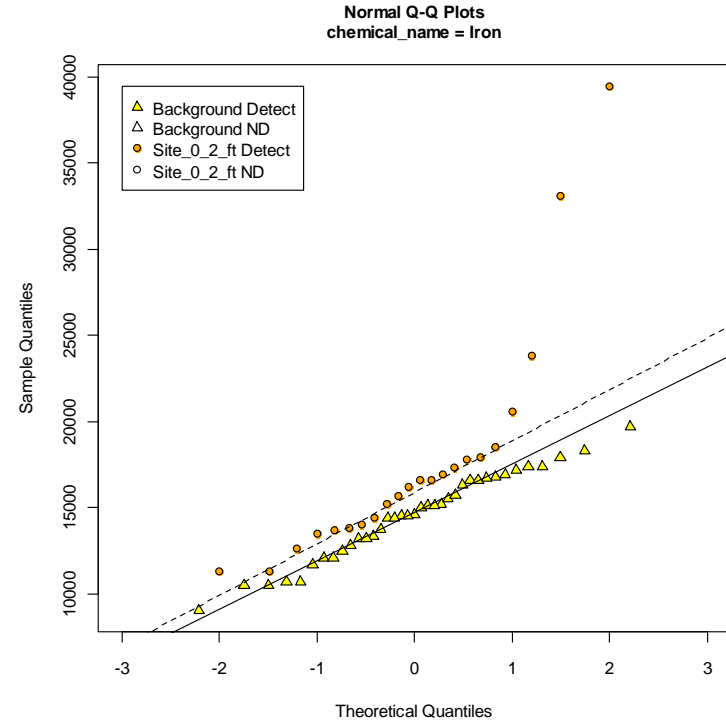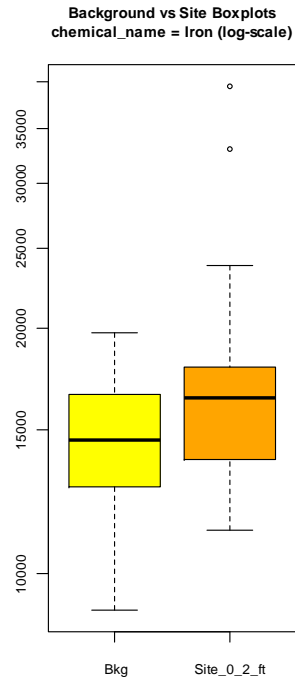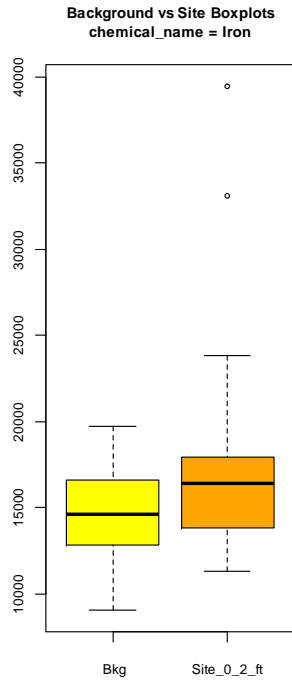
Normal Q-Q Plots
chemical_name = Copper

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

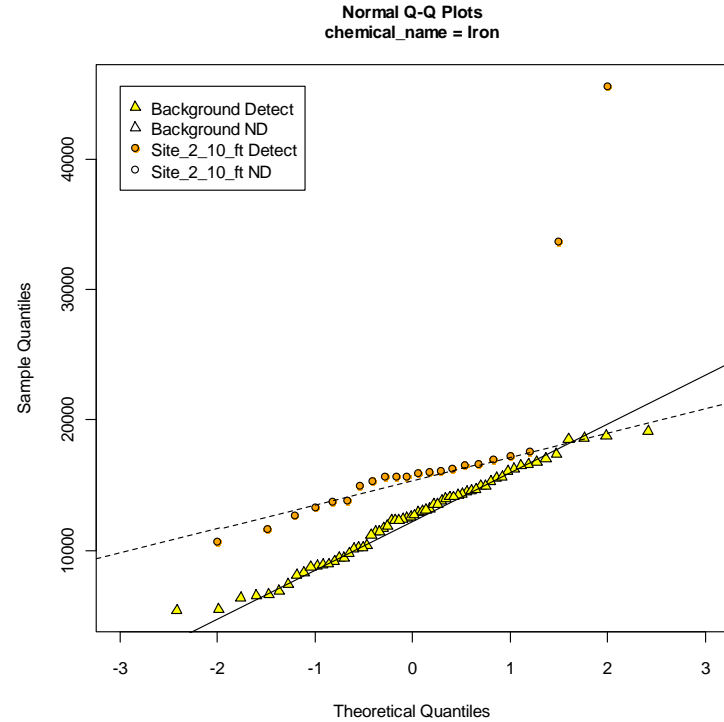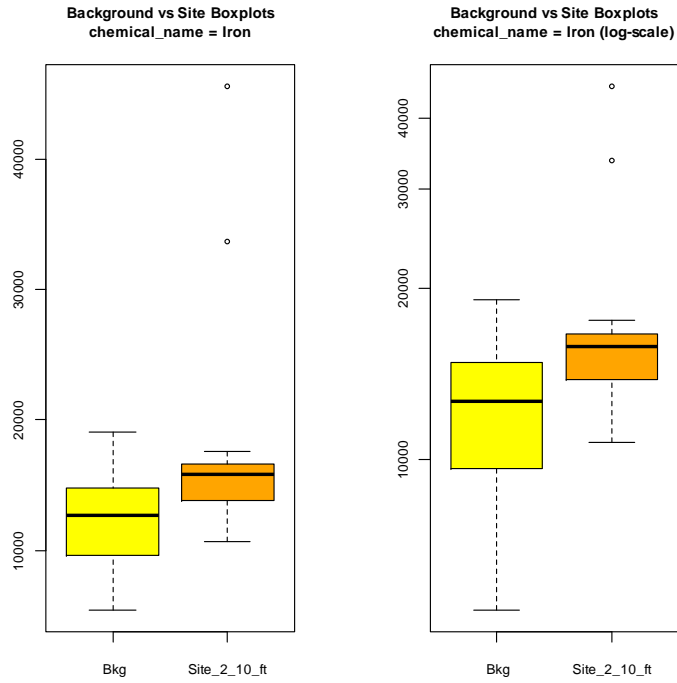RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

**Background vs Site Boxplots
chemical_name = Iron**

**Background vs Site Boxplots
chemical_name = Iron (log-scale)**

**Normal Q-Q Plots
chemical_name = Iron**

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

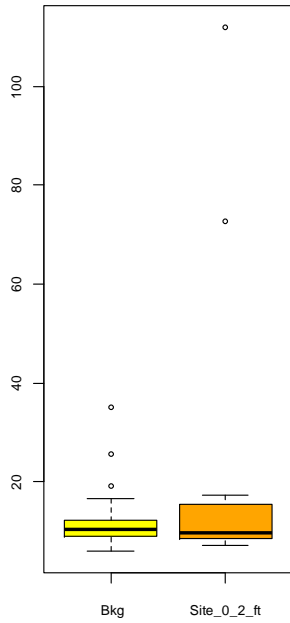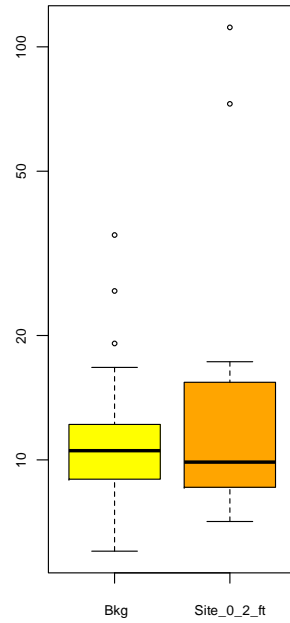RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

**Background vs Site Boxplots
chemical_name = Iron**

**Background vs Site Boxplots
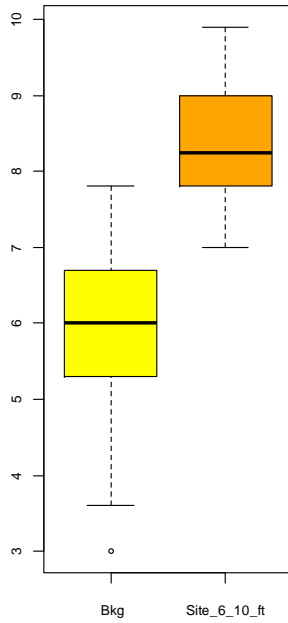chemical_name = Iron (log-scale)**

**Normal Q-Q Plots
chemical_name = Iron**

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

Background vs Site Boxplots
chemical_name = Lead

Background vs Site Boxplots
chemical_name = Lead (log-scale)

Normal Q-Q Plots
chemical_name = Lead

RZA −Background Data (10 fbgs) , Site Data (6-10 fbgs)

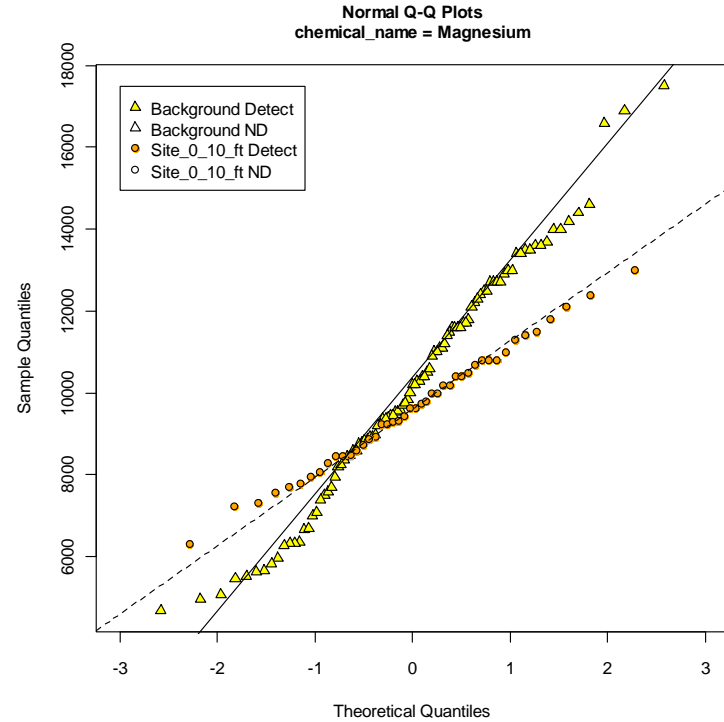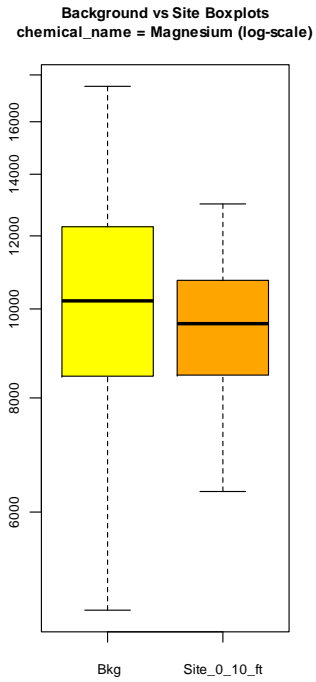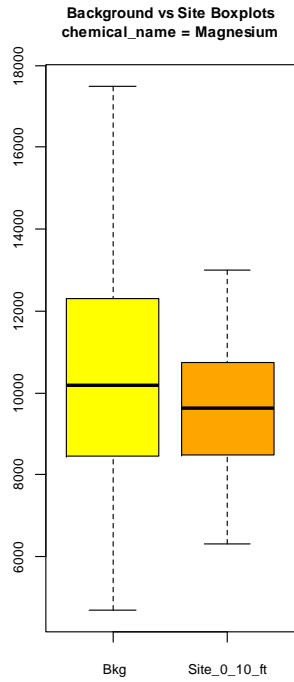RZA −Background Data (10 fbgs) , Site Data (6-10 fbgs)

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

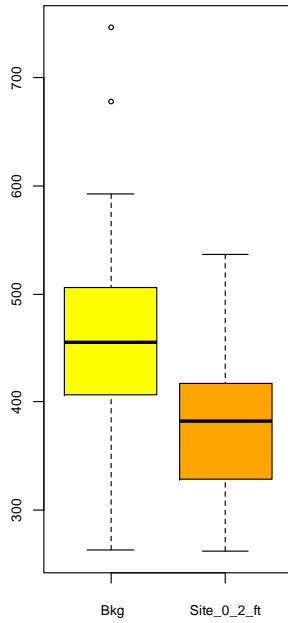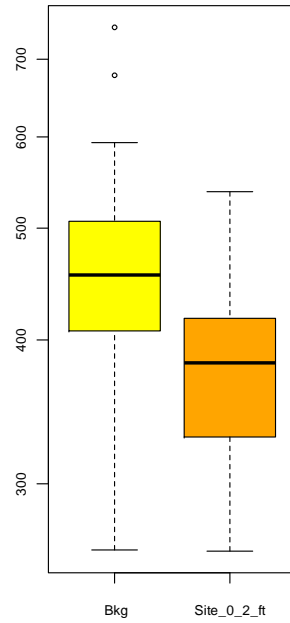RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Magnesium

Background vs Site Boxplots
chemical_name = Magnesium (log-scale)

Normal Q-Q Plots
chemical_name = Magnesium

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

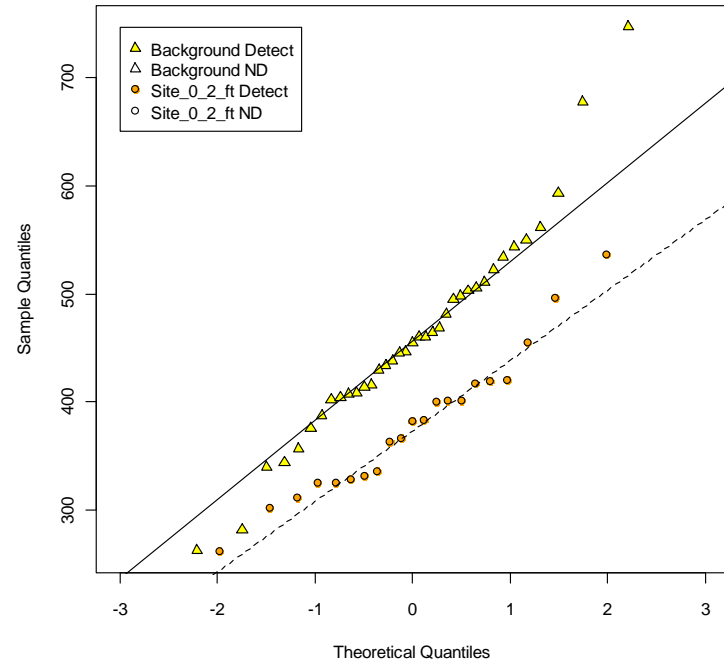**Background vs Site Boxplots**
chemical_name = Manganese

Background vs Site Boxplots
chemical_name = Manganese (log-scale)

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

Normal Q-Q Plots
chemical_name = Manganese

- ▲ Background Detect
- △ Background ND
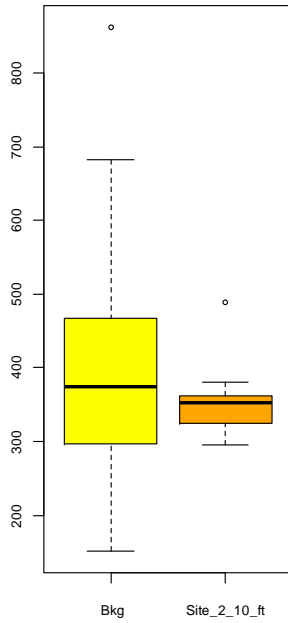- ● Site_0_2_ft Detect
- ○ Site_0_2_ft ND

APPENDIX B
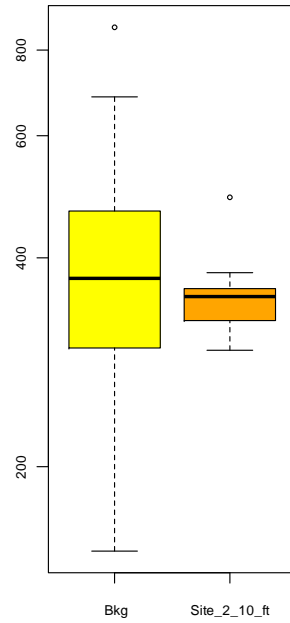## Probability Plots for Background Metal Evaluation

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

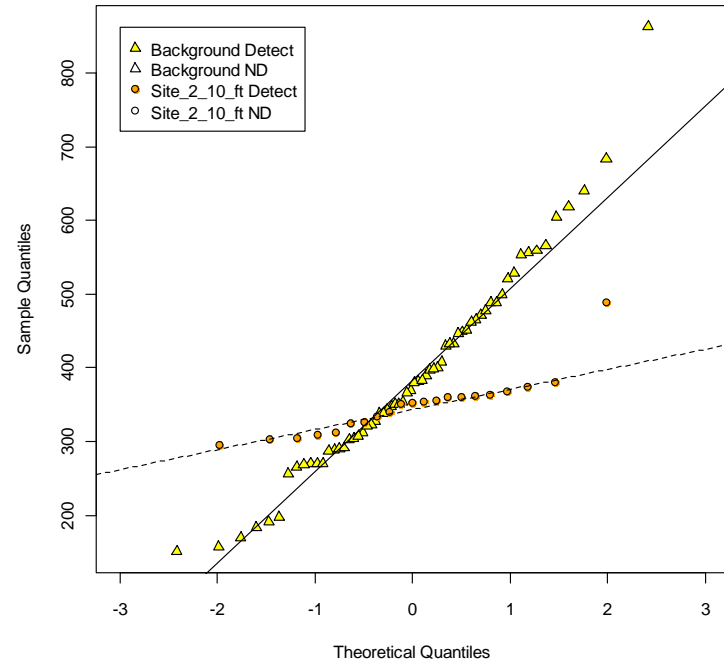RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

**Background vs Site Boxplots
chemical_name = Manganese**

**Background vs Site Boxplots
chemical_name = Manganese (log-scale)**

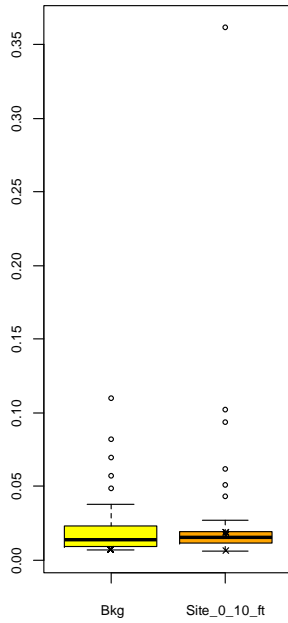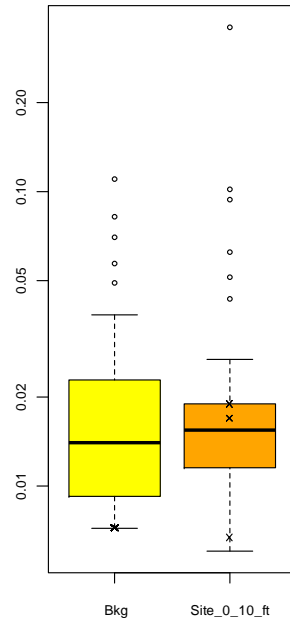**Normal Q-Q Plots
chemical_name = Manganese**

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Mercury

Background vs Site Boxplots
chemical_name = Mercury (log-scale)

Normal Q-Q Plots
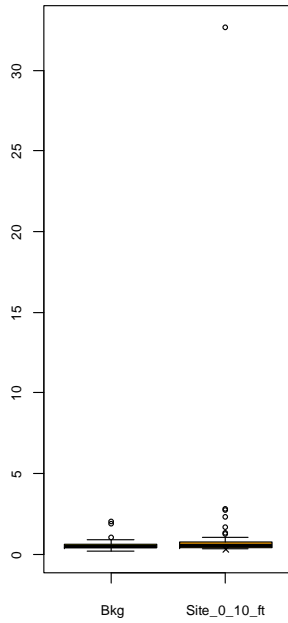**chemical_name = Mercury**

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)   RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

APPENDIX B
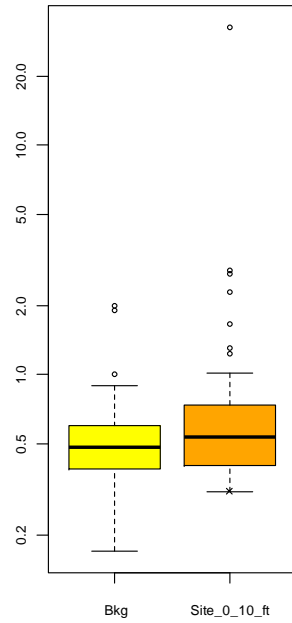## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

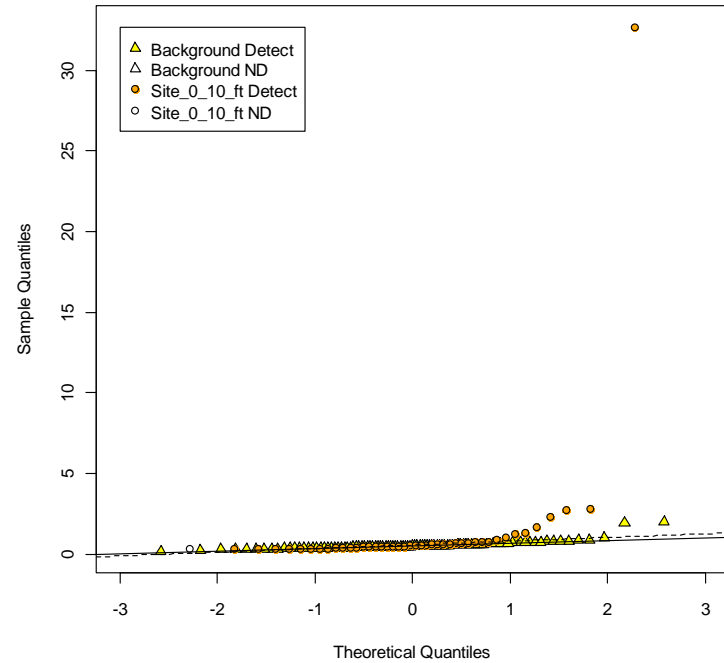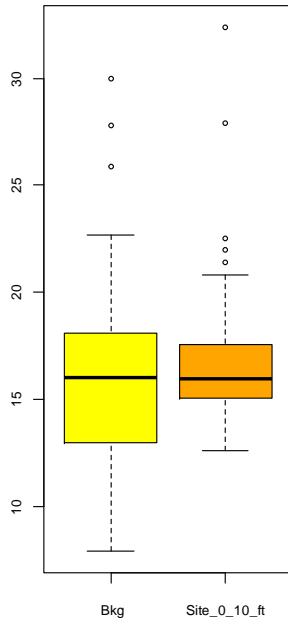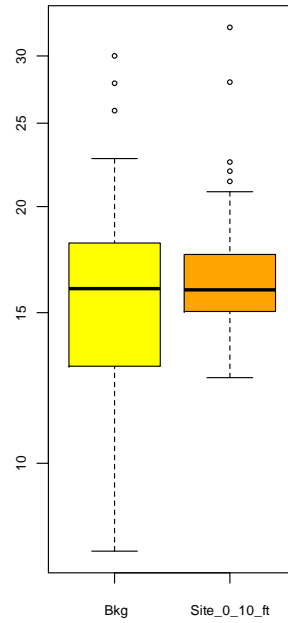RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Nickel

Background vs Site Boxplots
chemical_name = Nickel (log-scale)

Normal Q-Q Plots
chemical_name = Nickel

APPENDIX B
Probability Plots for Background Metal Evaluation

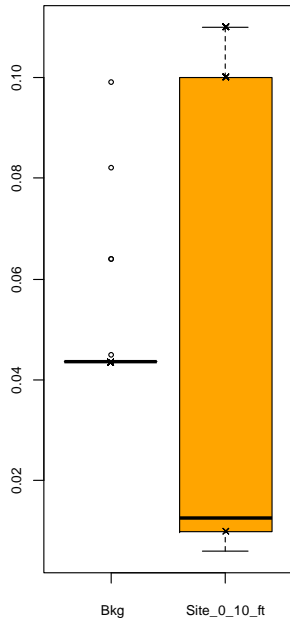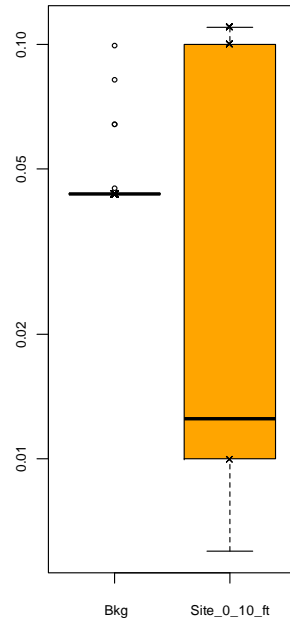RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)
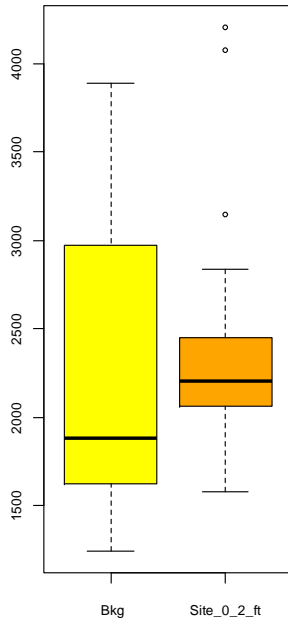
Background vs Site Boxplots
chemical_name = Platinum

Background vs Site Boxplots
chemical_name = Platinum (log-scale)

Normal Q-Q Plots
chemical_name = Platinum

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

Background vs Site Boxplots
chemical_name = Potassium

Background vs Site Boxplots
chemical_name = Potassium (log-scale)

Normal Q-Q Plots
chemical_name = Potassium

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

Background vs Site Boxplots
chemical_name = Potassium

Background vs Site Boxplots
chemical_name = Potassium (log-scale)

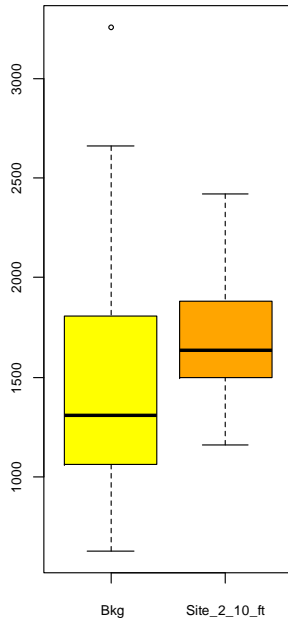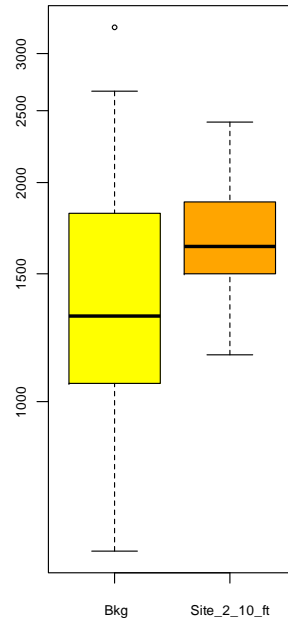**Normal Q-Q Plots**
chemical_name = Potassium

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

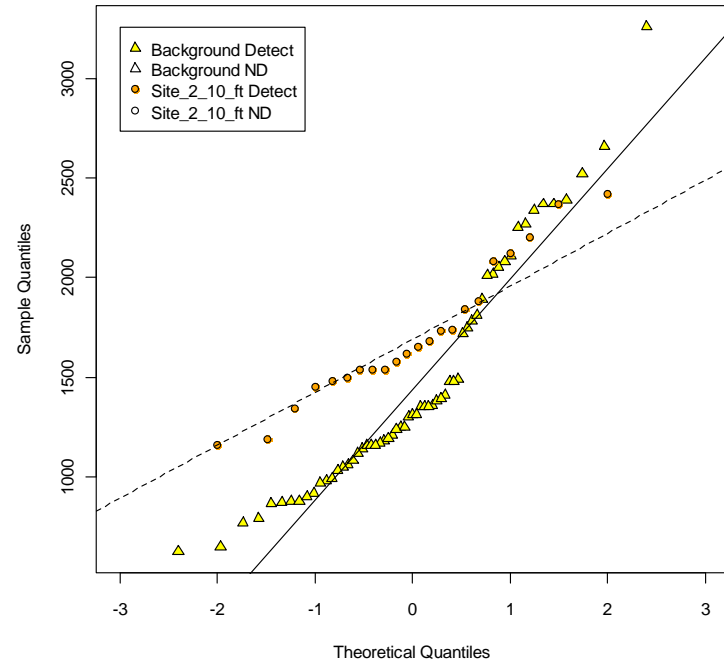RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Selenium

Background vs Site Boxplots
chemical_name = Selenium (log-scale)

Normal Q-Q Plots
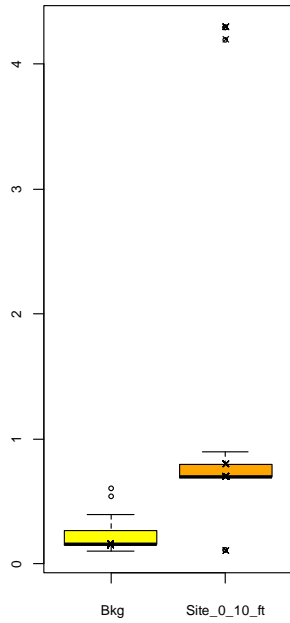**chemical_name = Selenium**

APPENDIX B
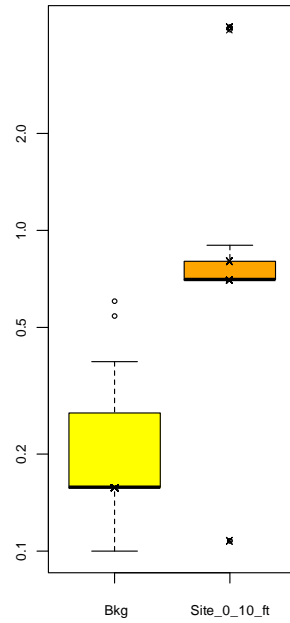## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

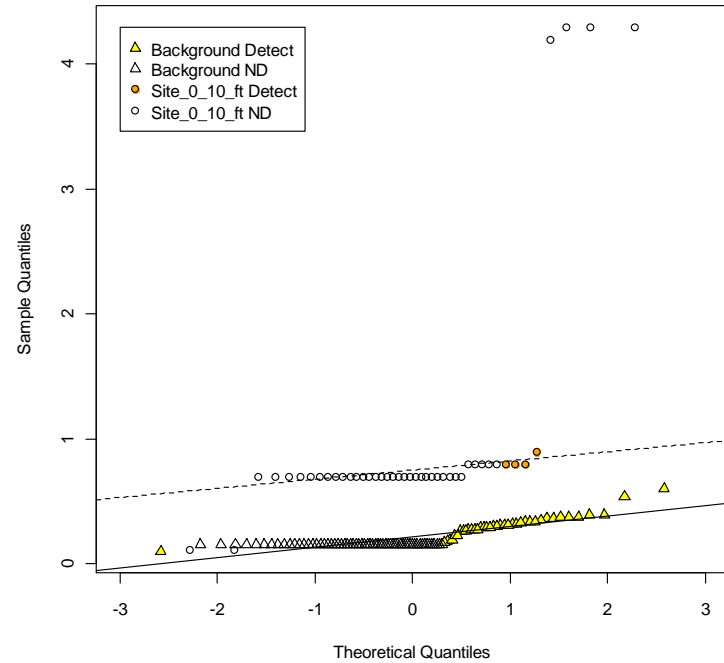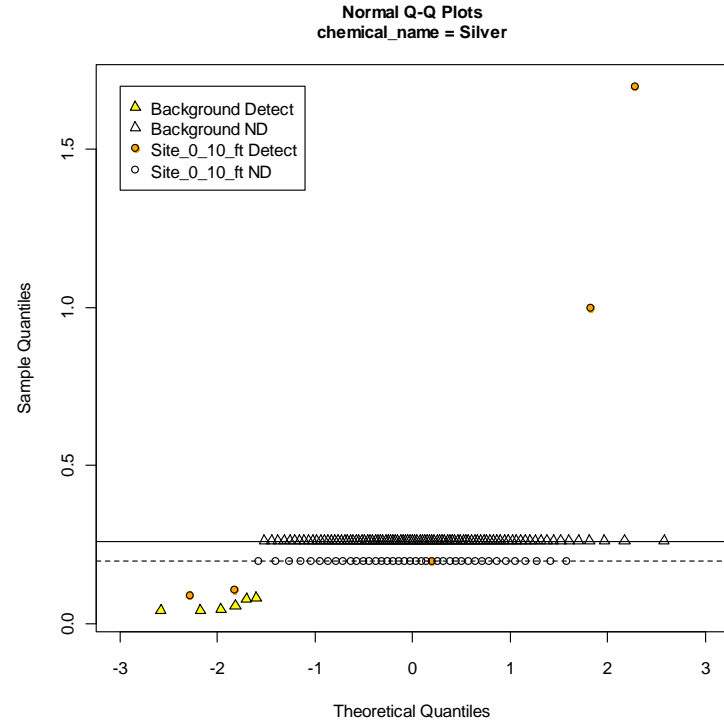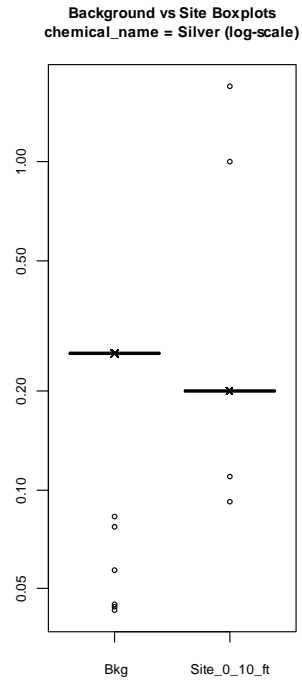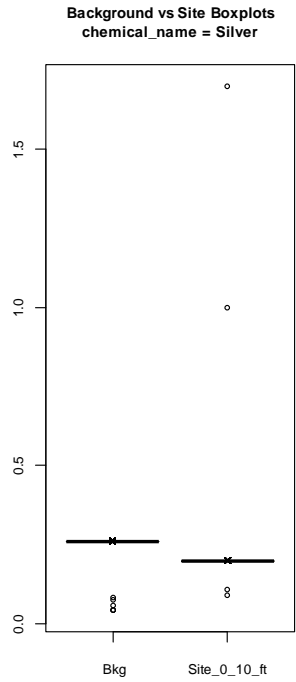RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Silver

Background vs Site Boxplots
chemical_name = Silver (log-scale)

Normal Q-Q Plots
chemical_name = Silver

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

Background vs Site Boxplots
chemical_name = Sodium

Background vs Site Boxplots
chemical_name = Sodium (log-scale)

Normal Q-Q Plots
chemical_name = Sodium

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

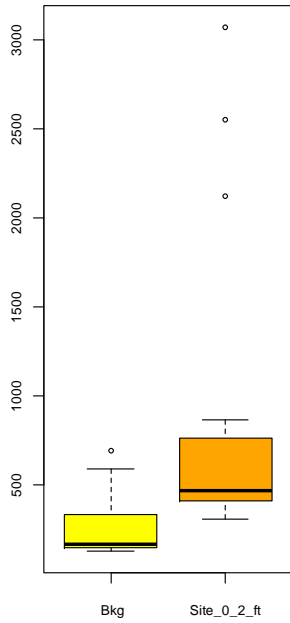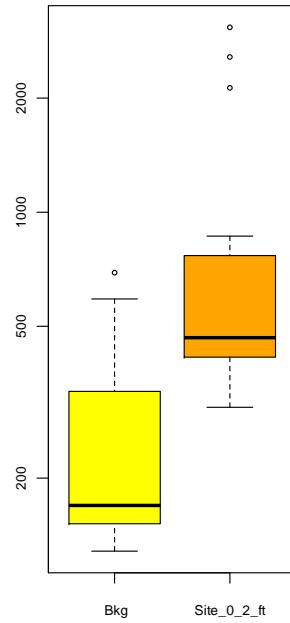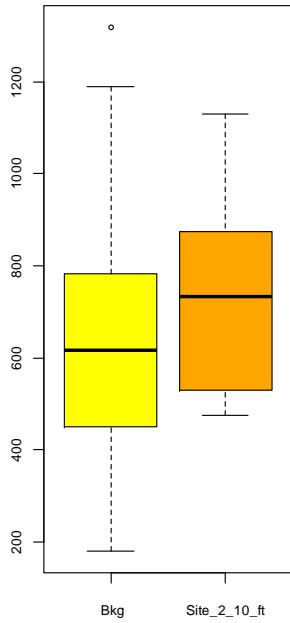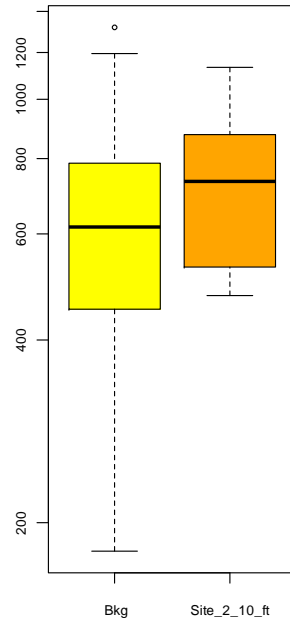RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Strontium

Background vs Site Boxplots
chemical_name = Strontium (log-scale)

Normal Q-Q Plots
chemical_name = Strontium

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

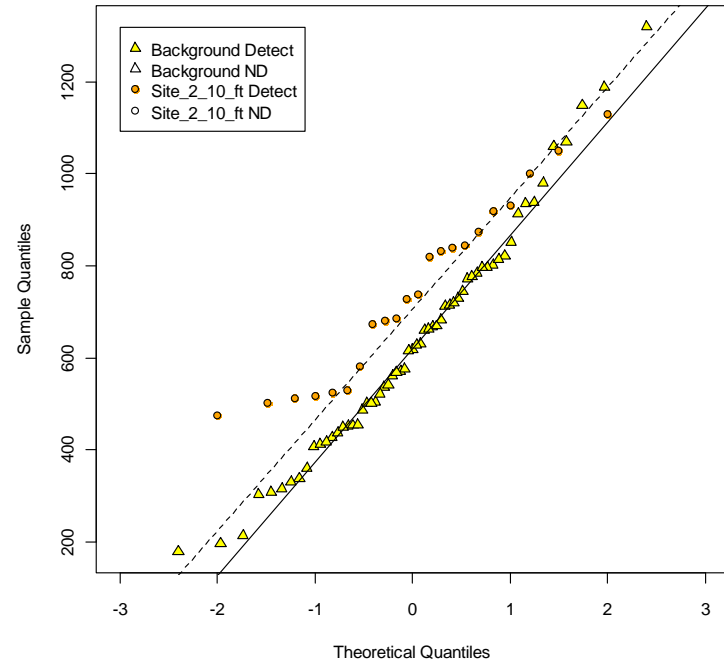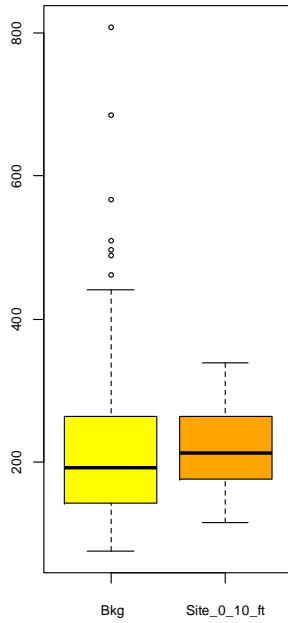RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Thallium

Background vs Site Boxplots
chemical_name = Thallium (log-scale)

Normal Q-Q Plots
chemical_name = Thallium

APPENDIX B
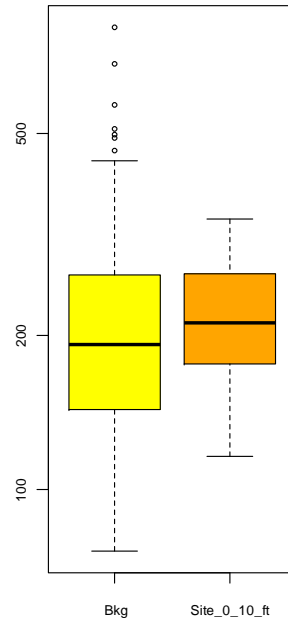## Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

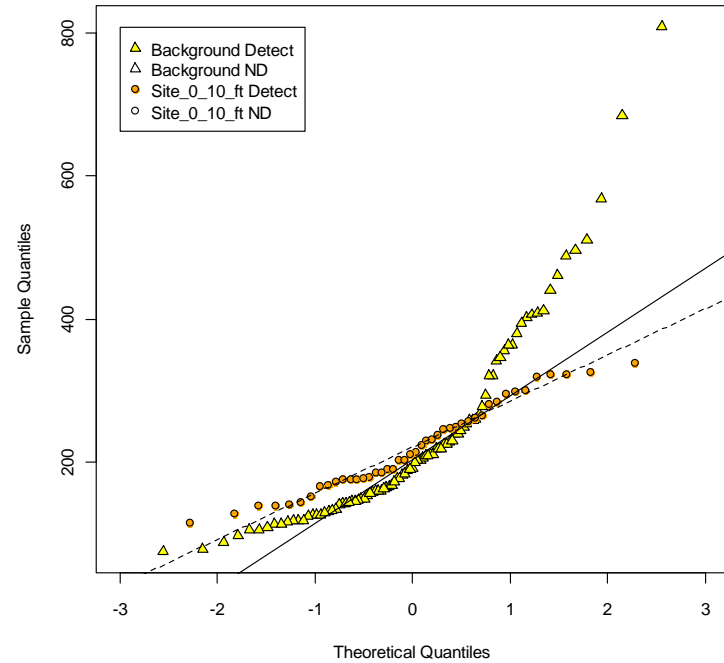RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Tin

Background vs Site Boxplots
chemical_name = Tin (log-scale)

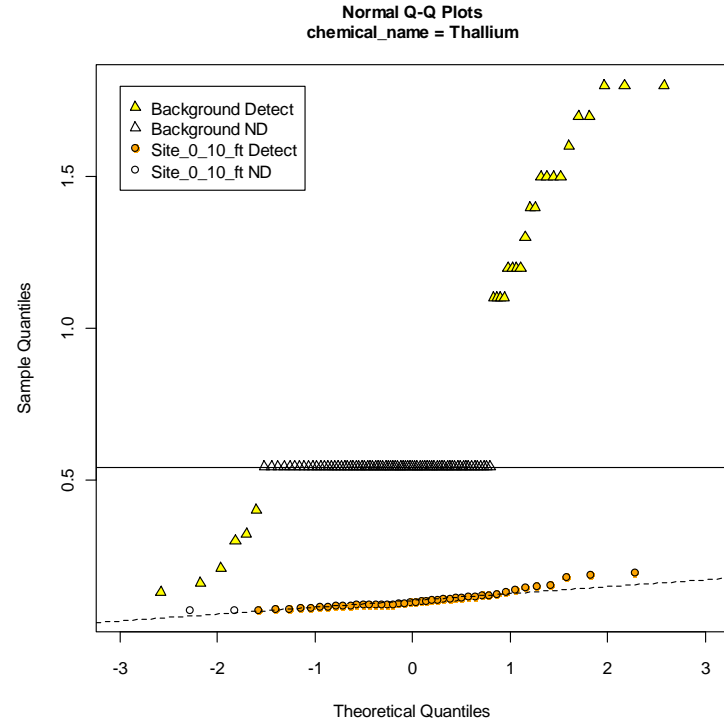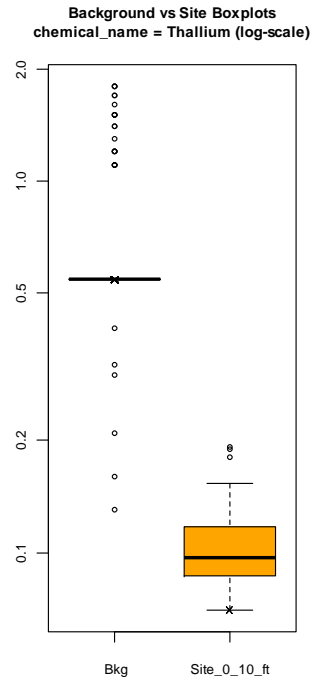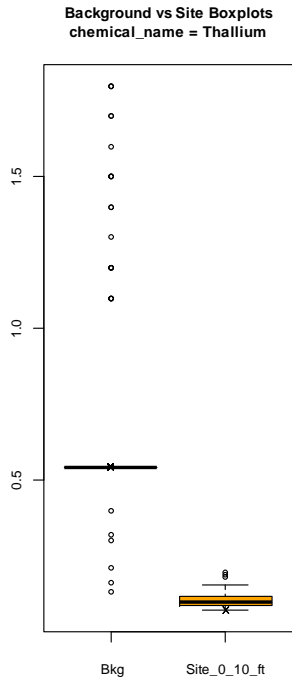**Normal Q-Q Plots**
chemical_name = Tin

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

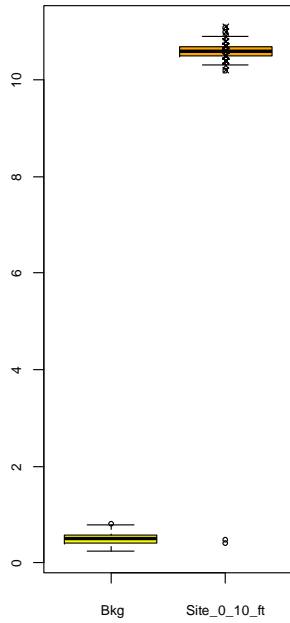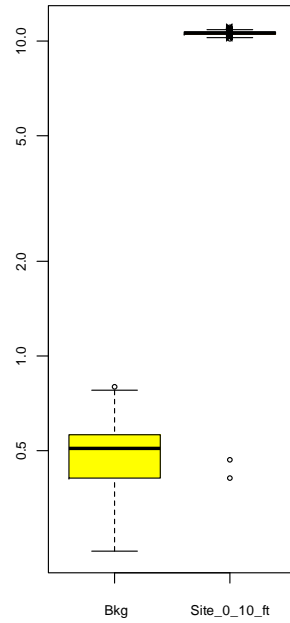RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Titanium

Background vs Site Boxplots
chemical_name = Titanium (log-scale)

Normal Q-Q Plots
chemical_name = Titanium

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

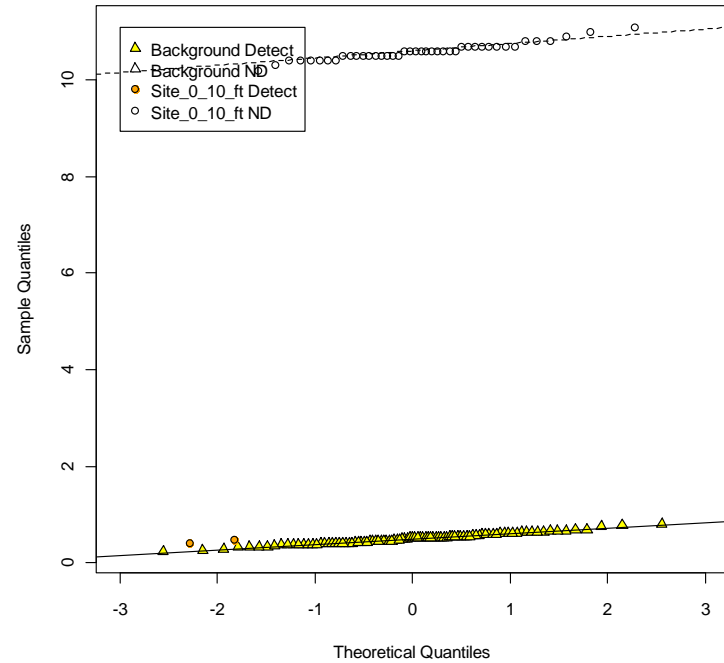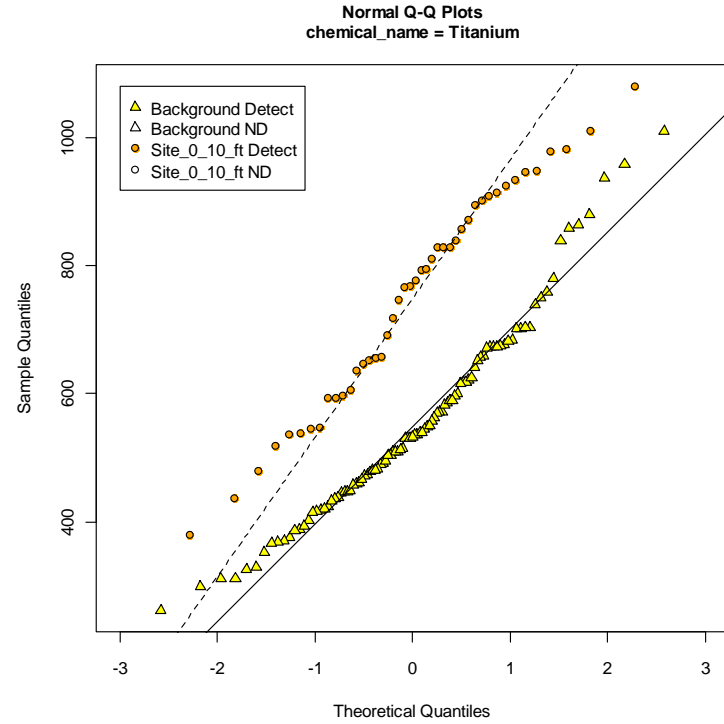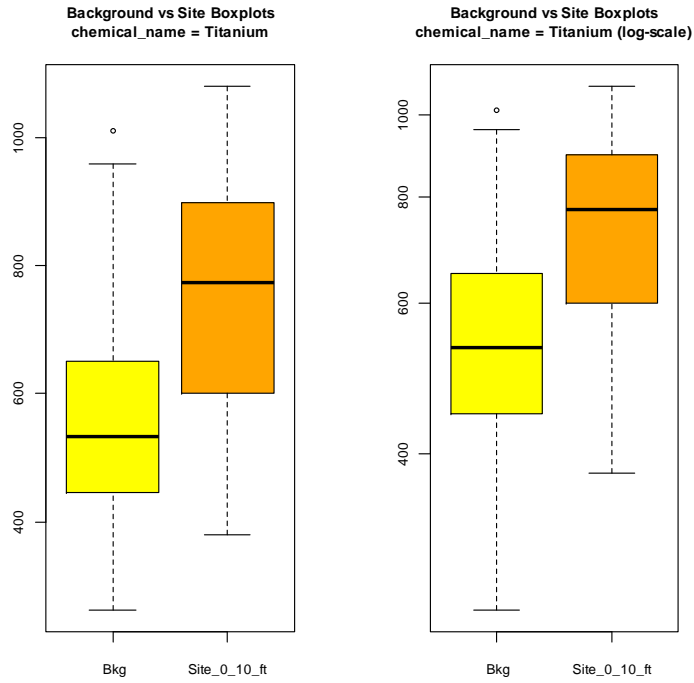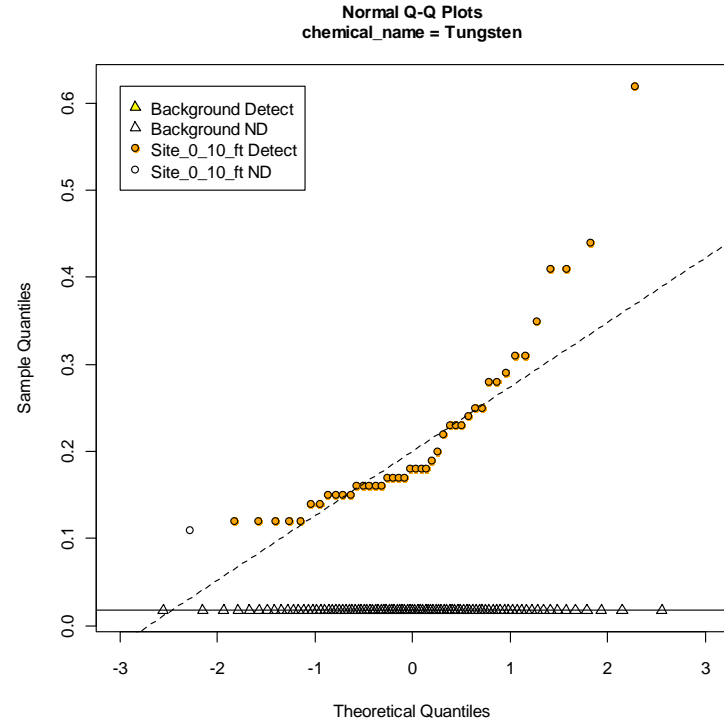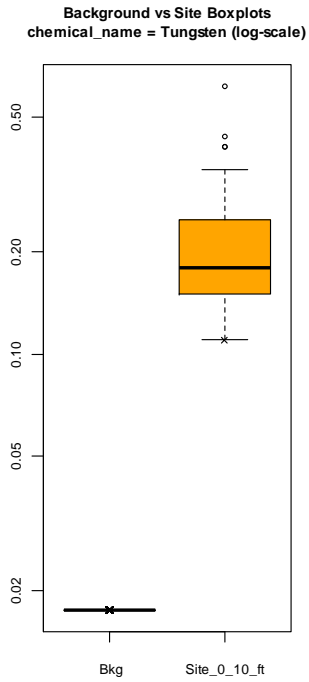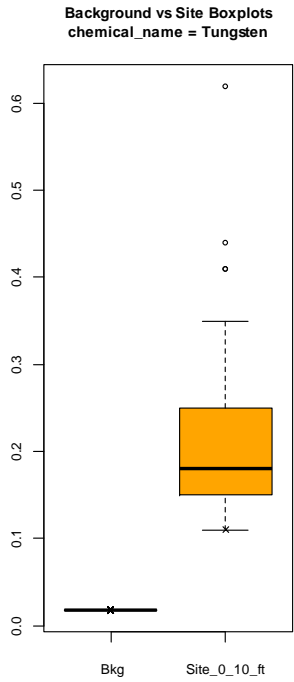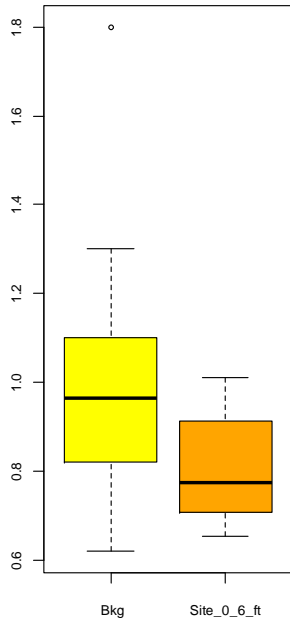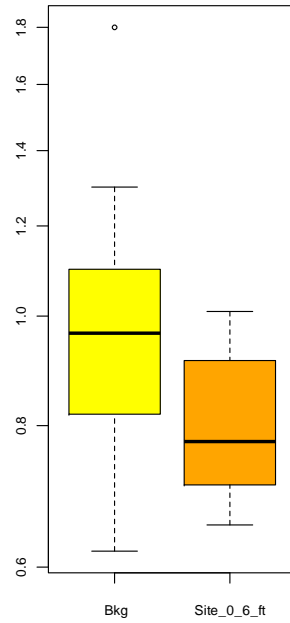RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Tungsten

Background vs Site Boxplots
chemical_name = Tungsten (log-scale)

Normal Q-Q Plots
chemical_name = Tungsten

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 & 5 fbgs) , Site Data (0 - 6 fbgs)

Background vs Site Boxplots
chemical_name = Uranium

Background vs Site Boxplots
chemical_name = Uranium (log-scale)

RZA –Background Data (0 & 5 fbgs) , Site Data (0 - 6 fbgs)

Normal Q-Q Plots
chemical_name = Uranium

Legend:
- △ Background Detect
- △ Background ND
- ● Site_0_6_ft Detect
- ○ Site_0_6_ft ND

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (10 fbgs) , Site Data (6-10 fbgs)

Background vs Site Boxplots
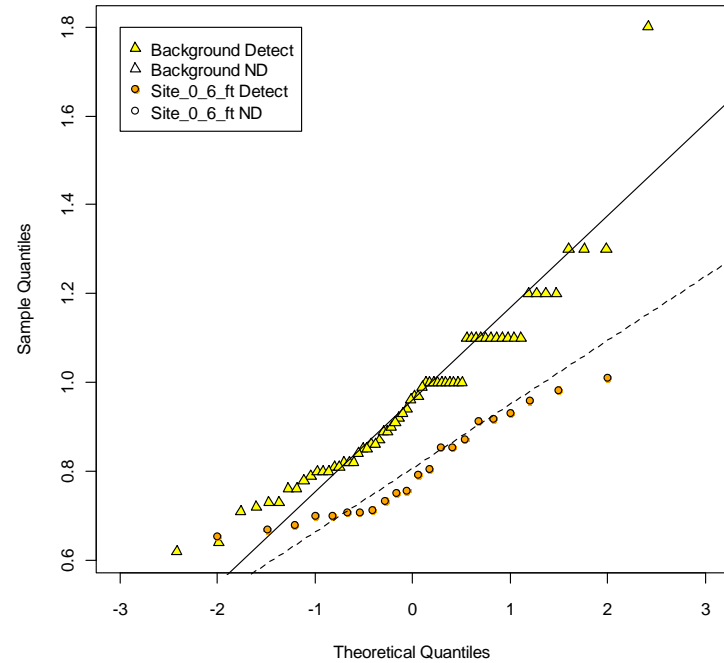**chemical_name = Uranium**

Background vs Site Boxplots
chemical_name = Uranium (log-scale)

RZA –Background Data (10 fbgs) , Site Data (6-10 fbgs)

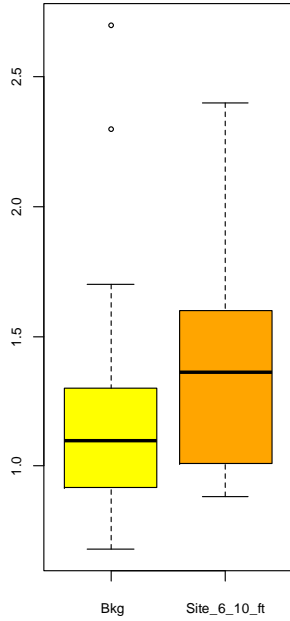**Normal Q-Q Plots**
chemical_name = Uranium

APPENDIX B
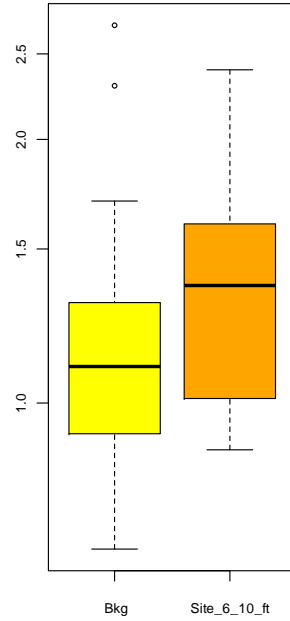# Probability Plots for Background Metal Evaluation

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

RZA –Background Data (0,5, & 10 fbgs) , Site Data (0 -10 fbgs)

Background vs Site Boxplots
chemical_name = Vanadium

Background vs Site Boxplots
chemical_name = Vanadium (log-scale)

Normal Q-Q Plots
chemical_name = Vanadium

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)
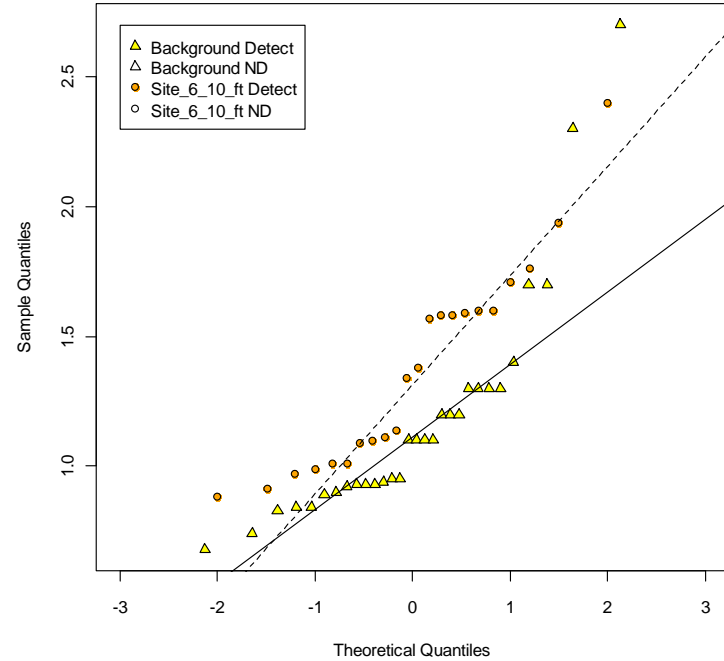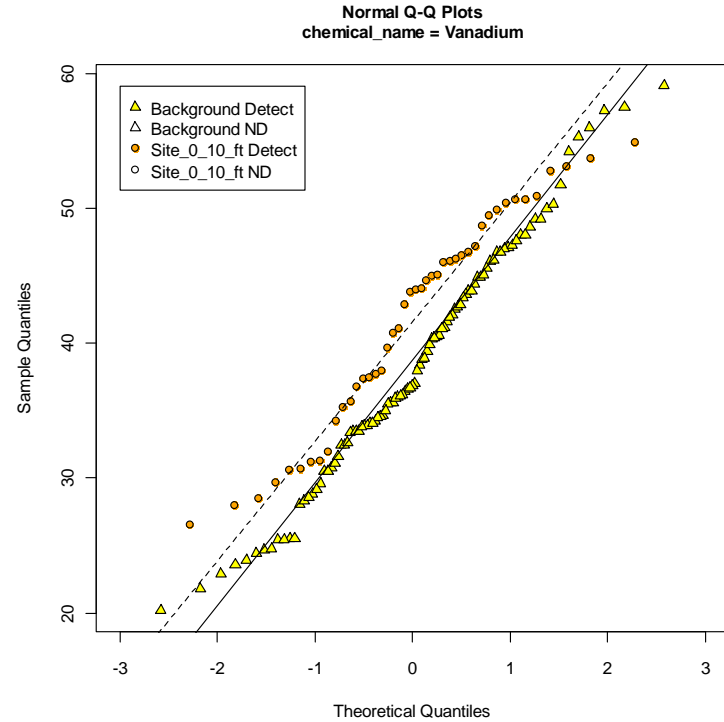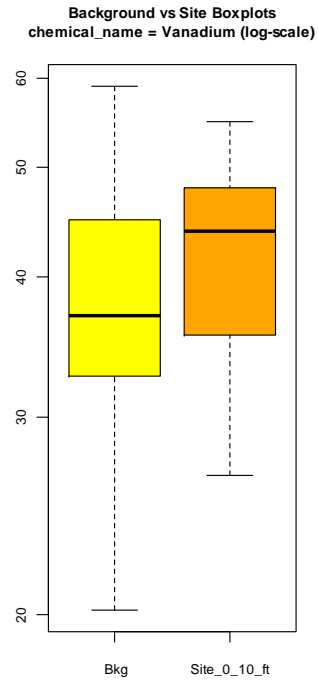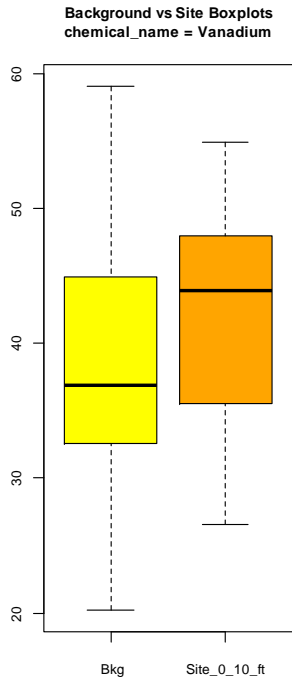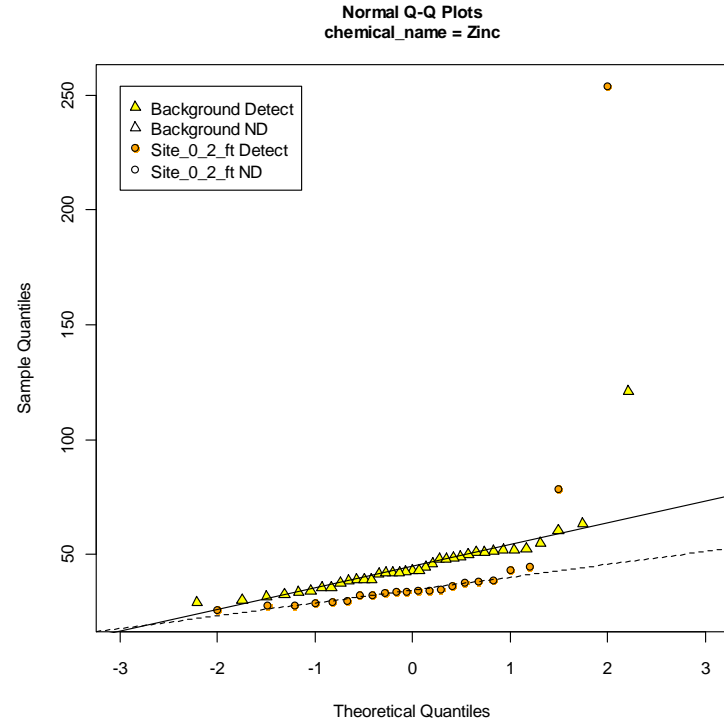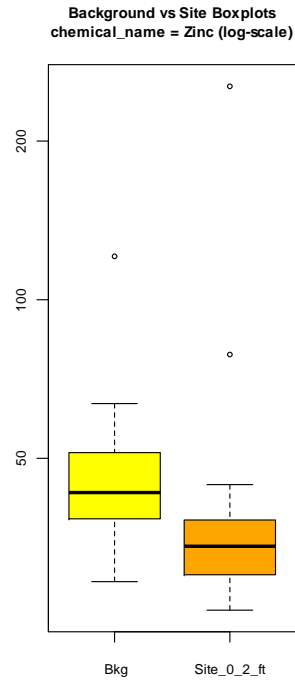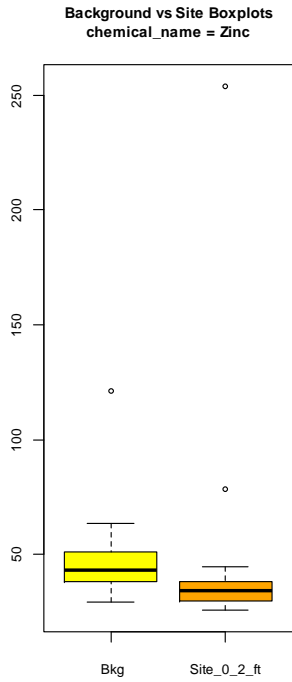
RZA –Background Data (0 fbgs) , Site Data (0 - 2 fbgs)

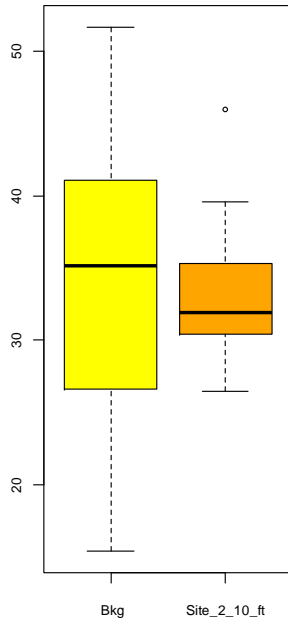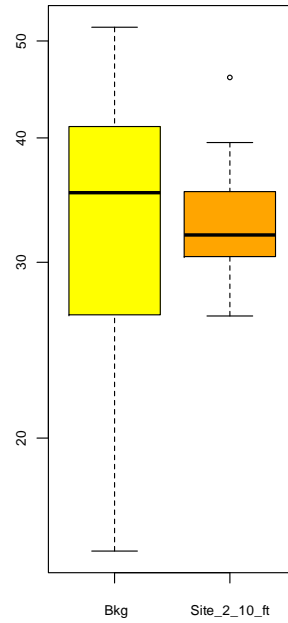**Background vs Site Boxplots**
chemical_name = Zinc

Background vs Site Boxplots
chemical_name = Zinc (log-scale)

Normal Q-Q Plots
chemical_name = Zinc

- ▲ Background Detect
- △ Background ND
- ● Site_0_2_ft Detect
- ○ Site_0_2_ft ND

APPENDIX B
Probability Plots for Background Metal Evaluation

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

Background vs Site Boxplots
chemical_name = Zinc

Background vs Site Boxplots
chemical_name = Zinc (log-scale)

RZA –Background Data (5 & 10 fbgs) , Site Data (2- 10 fbgs)

Normal Q-Q Plots
chemical_name = Zinc