

Background calculations

Data Loc Ref

22 PS50.3 **Natural Background Soil Cr Calculation (mg/kg) for Anacortes Vicinity**

22.6 PS20.3

22.6 PS160.3

25.1 SWRD2.6

26.7 SWRD2.3

32 SWRD2.3

35.3 PS10.3

45.2 SWRD2.7

163 SWRD2.5

235 PS250.3

| MTCAS <i>Stat</i> 3.0 | | | |
|---------------------------|------------------|--------------------------------|---------------|
| Number of samples | | Uncensored values | |
| Uncensored | 10 | Mean | 62.95 |
| Censored | 0 | Lognormal mean | 59.60 |
| TOTAL | 10 | Std. devn. | 74.03 |
| | | Median | 29.35 |
| | | Min. | 22 |
| | | Max. | 235 |
| Lognormal distribution? | | Normal distribution? | |
| r-squared is: 0.75 | | r-squared is: 0.61 | |
| Recommendations: | | | |
| Use nonparametric method. | | | |
| Distribution selection | | Value corresponding | |
| | Enter percentile | to that percentile is: | |
| 3 | 90 | 227.80 | |
| 1 = Lognormal | | 50th | 29.35 |
| 2 = Normal | | 4 X 50th | 117.40 |
| 3 = Nonparametric method | | Coefficient of Variation = N/A | |