

**Table 18**  
**Soil Leaching to Groundwater Evaluation - Streets**  
Former Kast Property

Constituents of Concern	Maximum Detect (mg/kg)	UCL (mg/kg)	SSCG <sub>soil-GW</sub>	Basis for SSCG <sub>soil-GW</sub>	Maximum Exceeds?	UCL Exceeds?
1,2,3-Trichloropropane	0.13	--	1.2E-05	GW	yes	--
Antimony	4.9	0.35	7.4E-01	Bkgd	yes	no
Arsenic	28	6.7	1.2E+01	Bkgd	yes	no
Benzene	33	2.6	1.5E-02	GW	yes	yes
Dichloroethene, cis-1,2-	1	--	7.3E-03	GW	yes	--
Naphthalene	47	7.0	5.2E-01	GW	yes	yes
Tetrachloroethene	0.03	--	6.6E-02	GW	no	--
Thallium	2.9	0.21	2.3E-01	Bkgd	yes	no
TPH as Diesel	82000	8309	1.0E+03	GW	yes	yes
TPH as Gasoline	9800	1229	5.0E+02	GW	yes	yes
TPH as Motor Oil	120000	11661	1.0E+04	GW	yes	yes

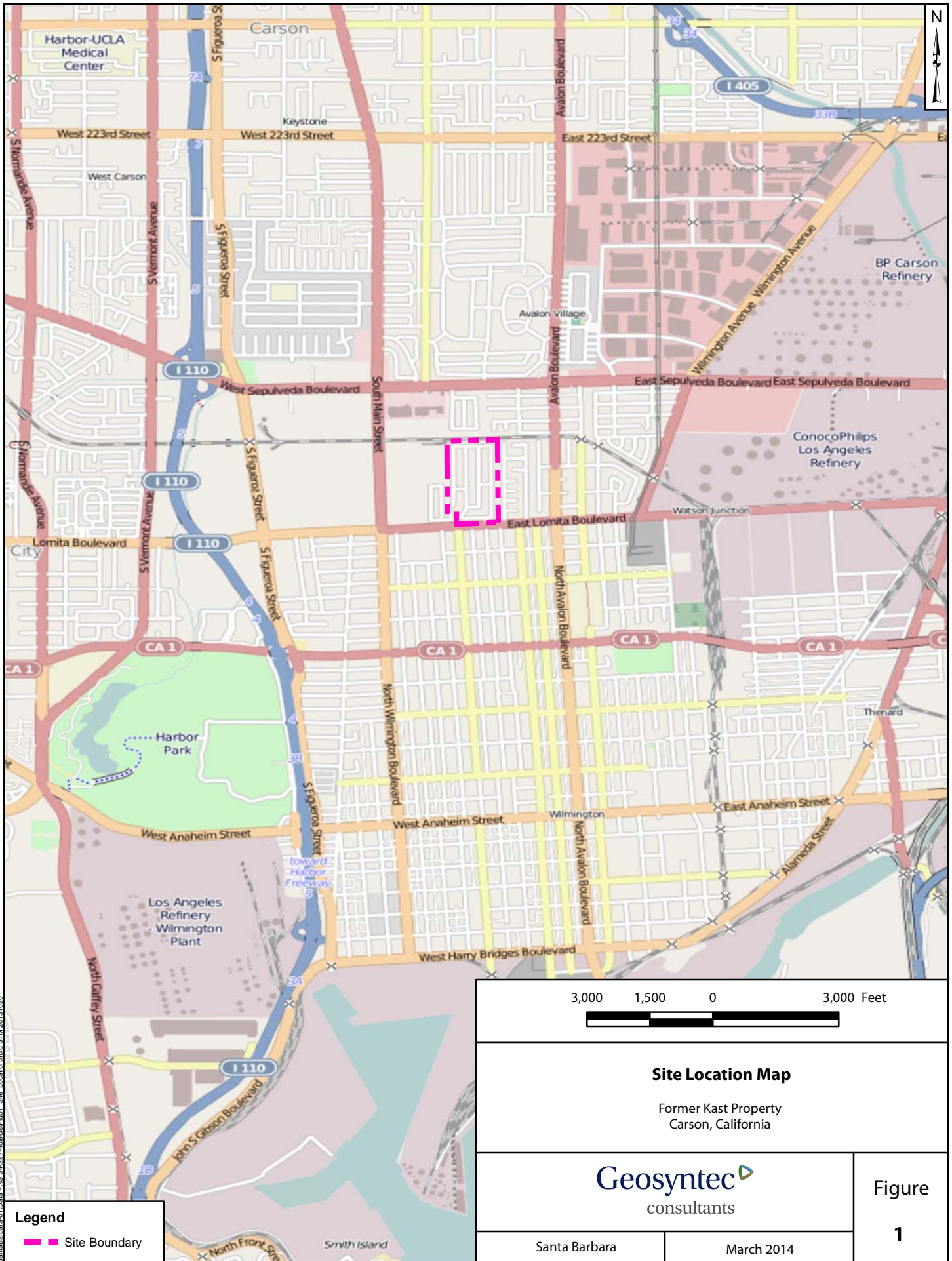
Notes:

" -- " not applicable or not available

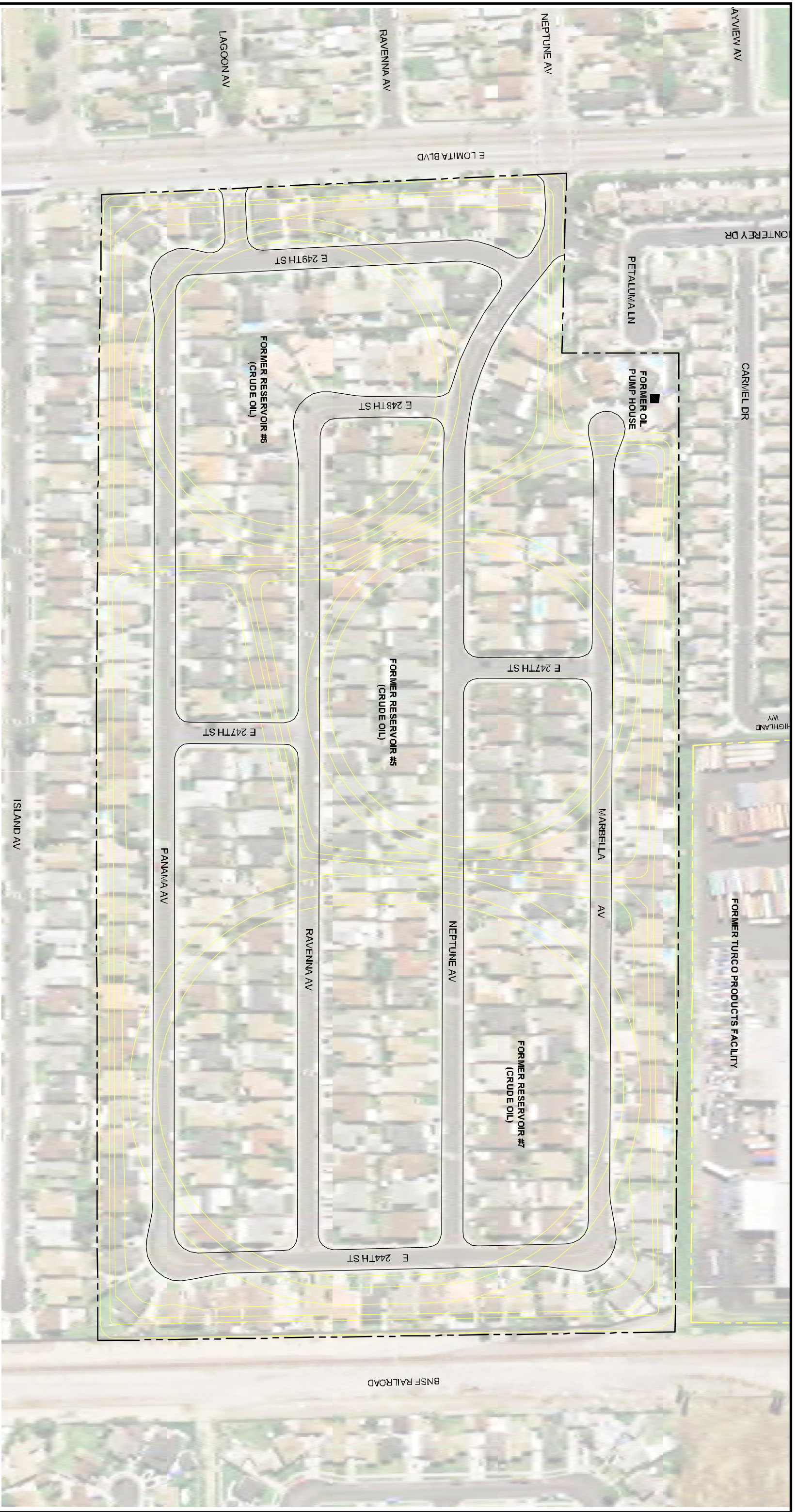
Bkgd = background; UCL = 95% upper confidence limit

GW = based on SSCG<sub>soil-GW</sub> = Site-Specific Cleanup Goal for soil leaching to groundwater

## **FIGURES**



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**EXPLANATION**

----- APPROXIMATE PROPERTY LINE

Source: URS Corporation

**FORMER KAST PROPERTY  
Site Location Map**

CARSON, CA,



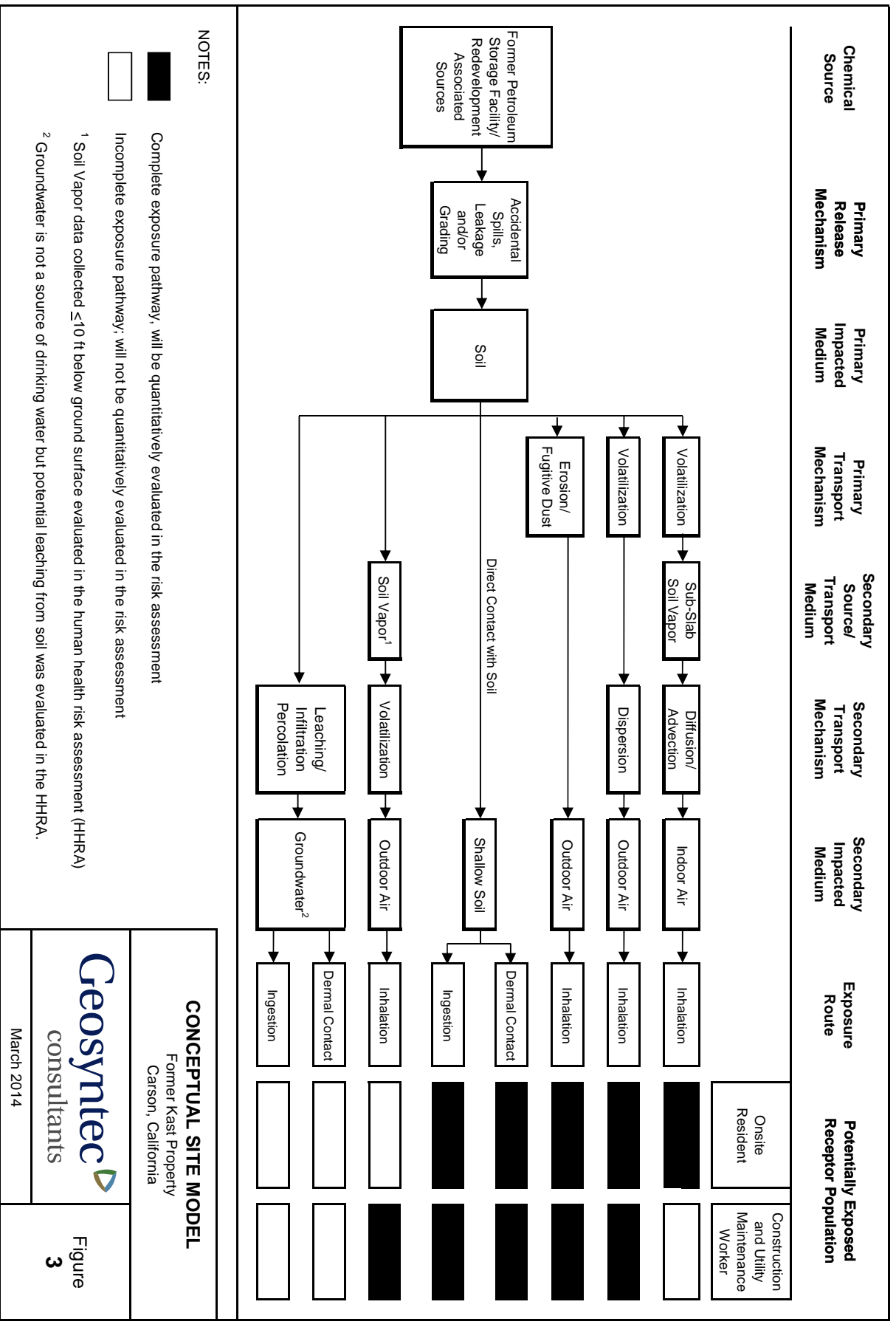
consultants

PROJECT NO.: SB0484

March 2014

**FIGURE**

**2**



**NOTES:**

- Complete exposure pathway, will be quantitatively evaluated in the risk assessment
- Incomplete exposure pathway; will not be quantitatively evaluated in the risk assessment

<sup>1</sup> Soil Vapor data collected ≤10 ft below ground surface evaluated in the human health risk assessment (HHRA)  
<sup>2</sup> Groundwater is not a source of drinking water but potential leaching from soil was evaluated in the HHRA.

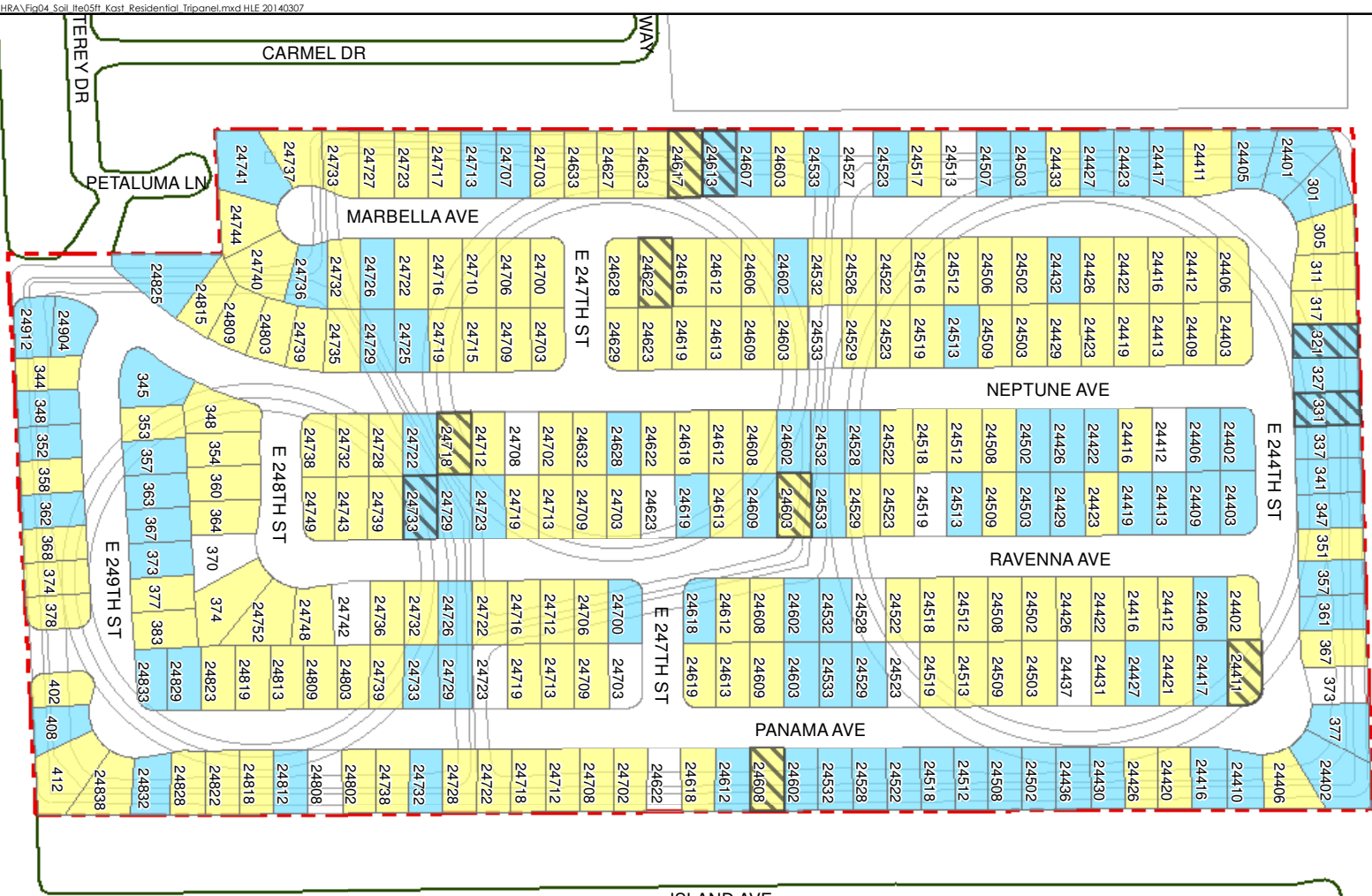
**CONCEPTUAL SITE MODEL**  
 Former Kast Property  
 Carson, California

**Geosyntec**  
 consultants

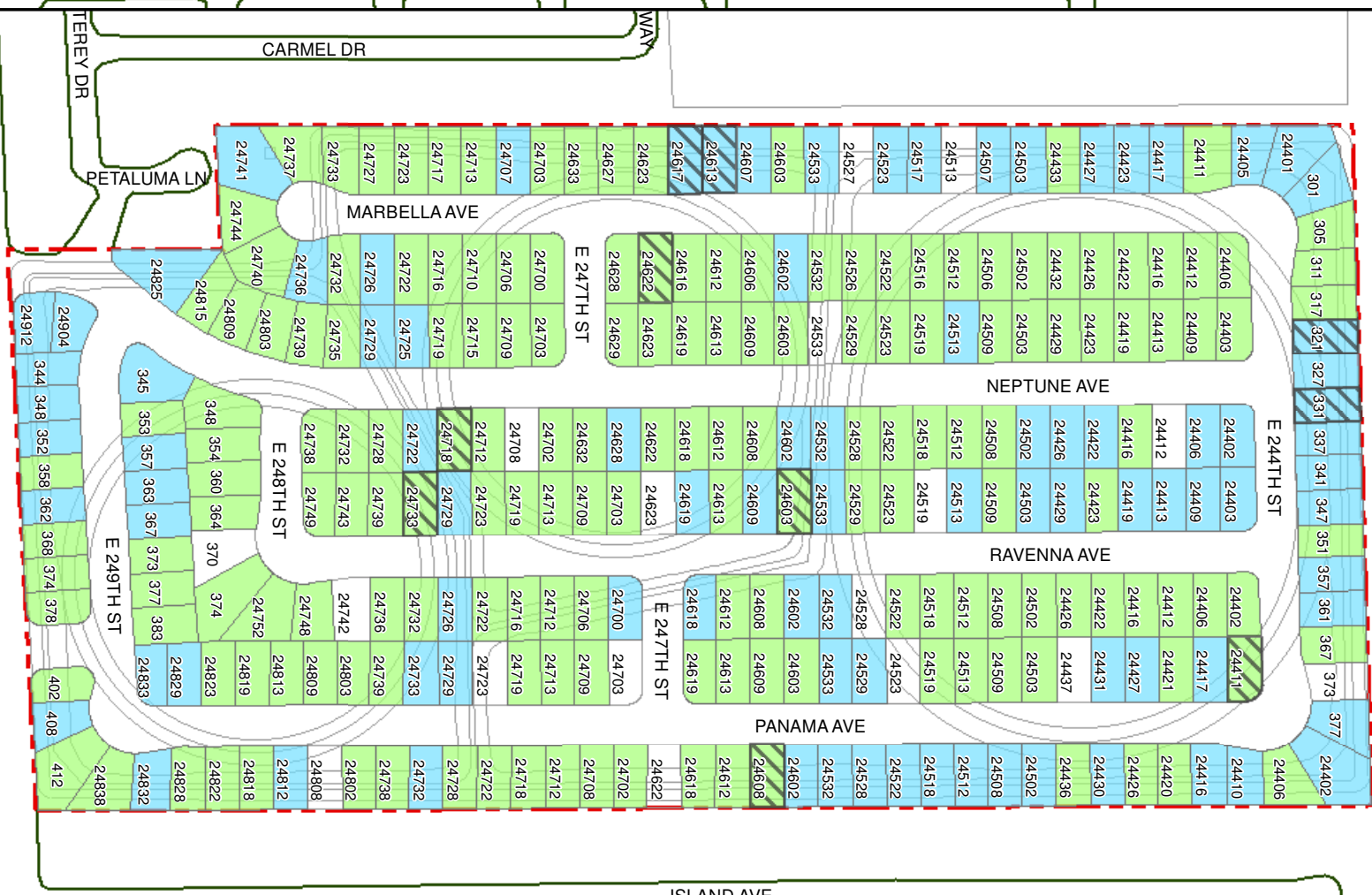
March 2014

Figure  
**3**

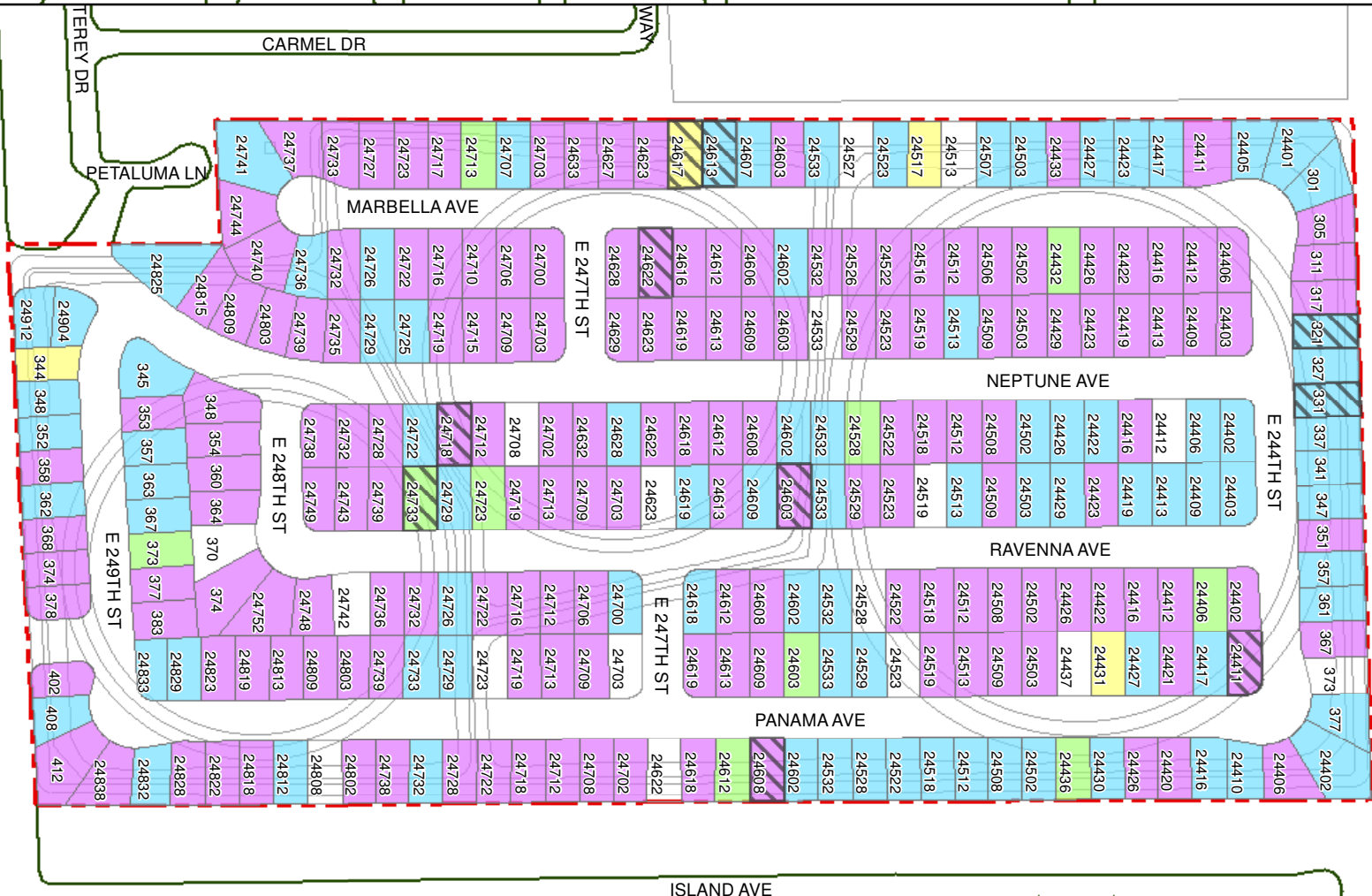
### Human Health



### Soil Leaching to Groundwater



### Human Health and Soil Leaching to Groundwater



< HhRA or Soil Leaching to GW Criteria  
 > Soil Leaching to GW Criteria  
 > HhRA Criteria  
 > HhRA and Soil Leaching to GW Criteria  
 No Data Available

Antimony, Arsenic, or Thallium > Background

Notes:  
ft bgs = feet below ground surface

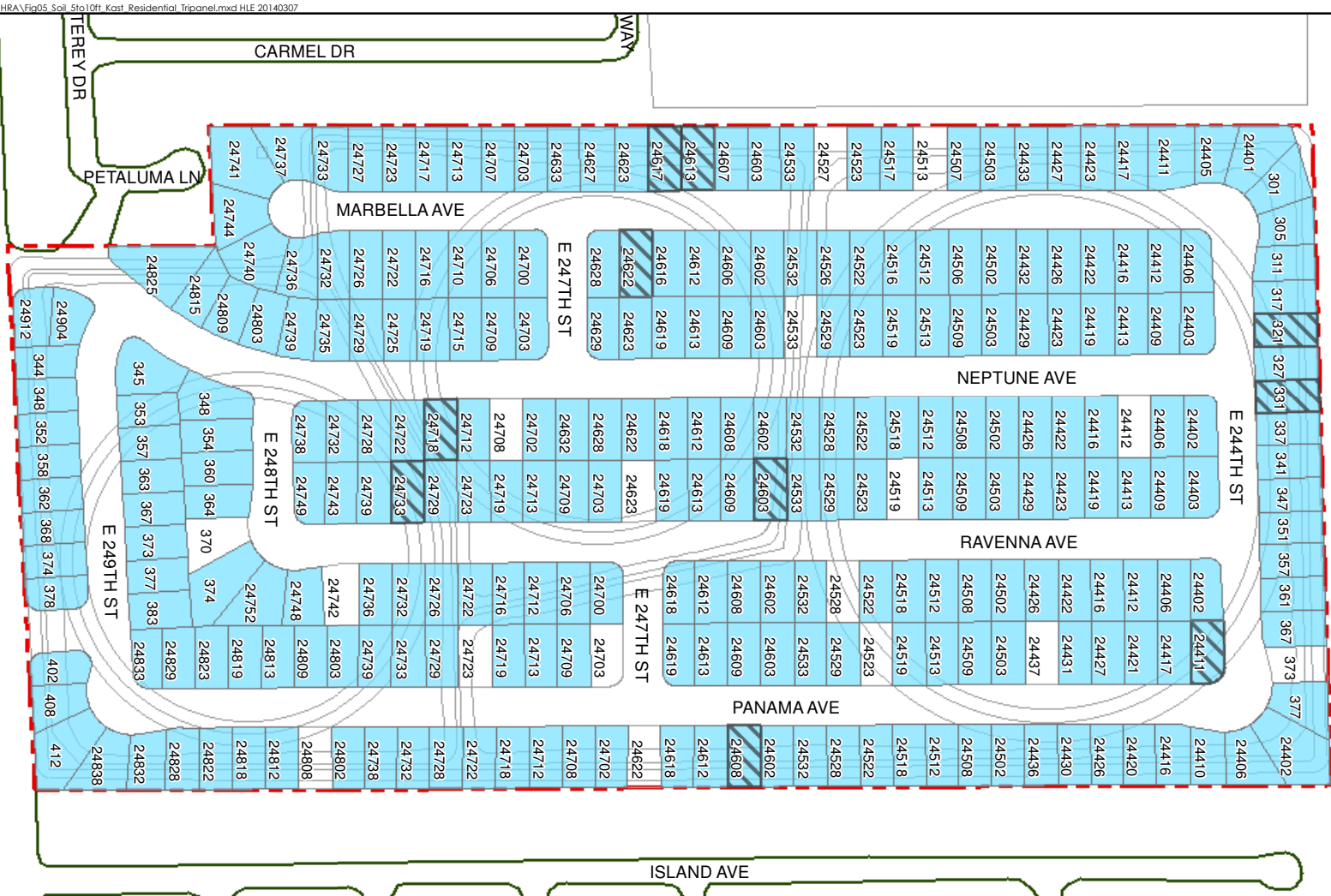
250 125 0 250 Feet

Geosyntec consultants  
 Santa Barbara, CA  
 March 2014

**Soil ≤ 5 ft bgs to Groundwater Scenarios**  
 Former Kast Property

**Figure 4**

### Human Health



### Soil Leaching to Groundwater



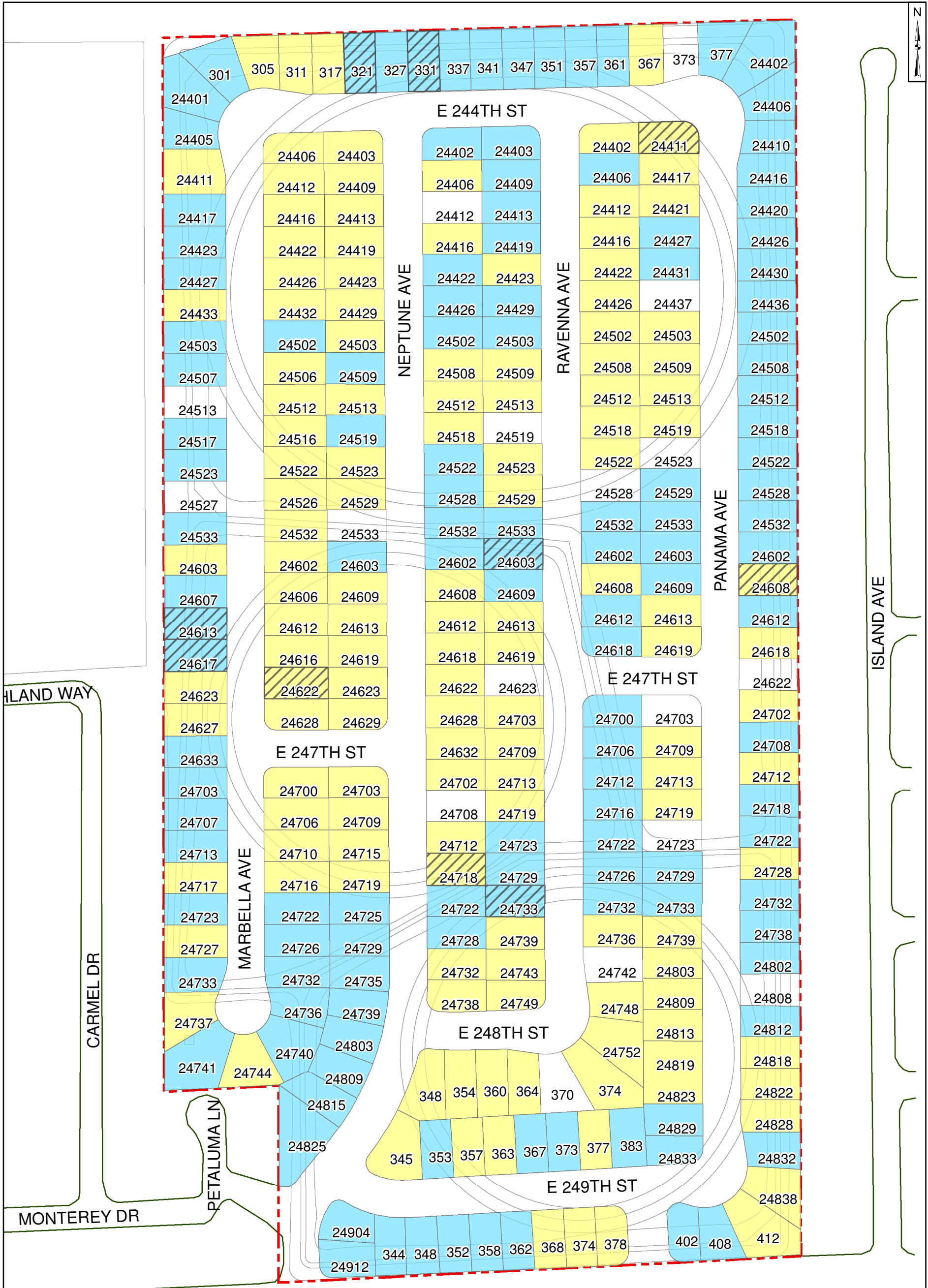
### Human Health and Soil Leaching to Groundwater



< HHRA or Soil Leaching to GW Criteria  
 > Soil Leaching to GW Criteria  
 > HHRA Criteria  
 > HHRA and Soil Leaching to GW Criteria  
 No Data Available

Antimony, Arsenic, or Thallium > Background  
 250 125 0 250 Feet

**Soil > 5 and ≤ 10 ft bgs**  
**Infrequent Contact Residential**  
**and Potential Leaching to Groundwater Scenarios**  
 Former Kast Property



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**Legend**

- < HHRA Criteria
- > HHRA Criteria
- No Data Available

**Notes:**  
ft bgs = feet below ground surface

150    75    0    150 Feet

**Soil ≤ 10 ft bgs**  
**Construction and Utility Maintenance Worker**  
 Former Kast Property

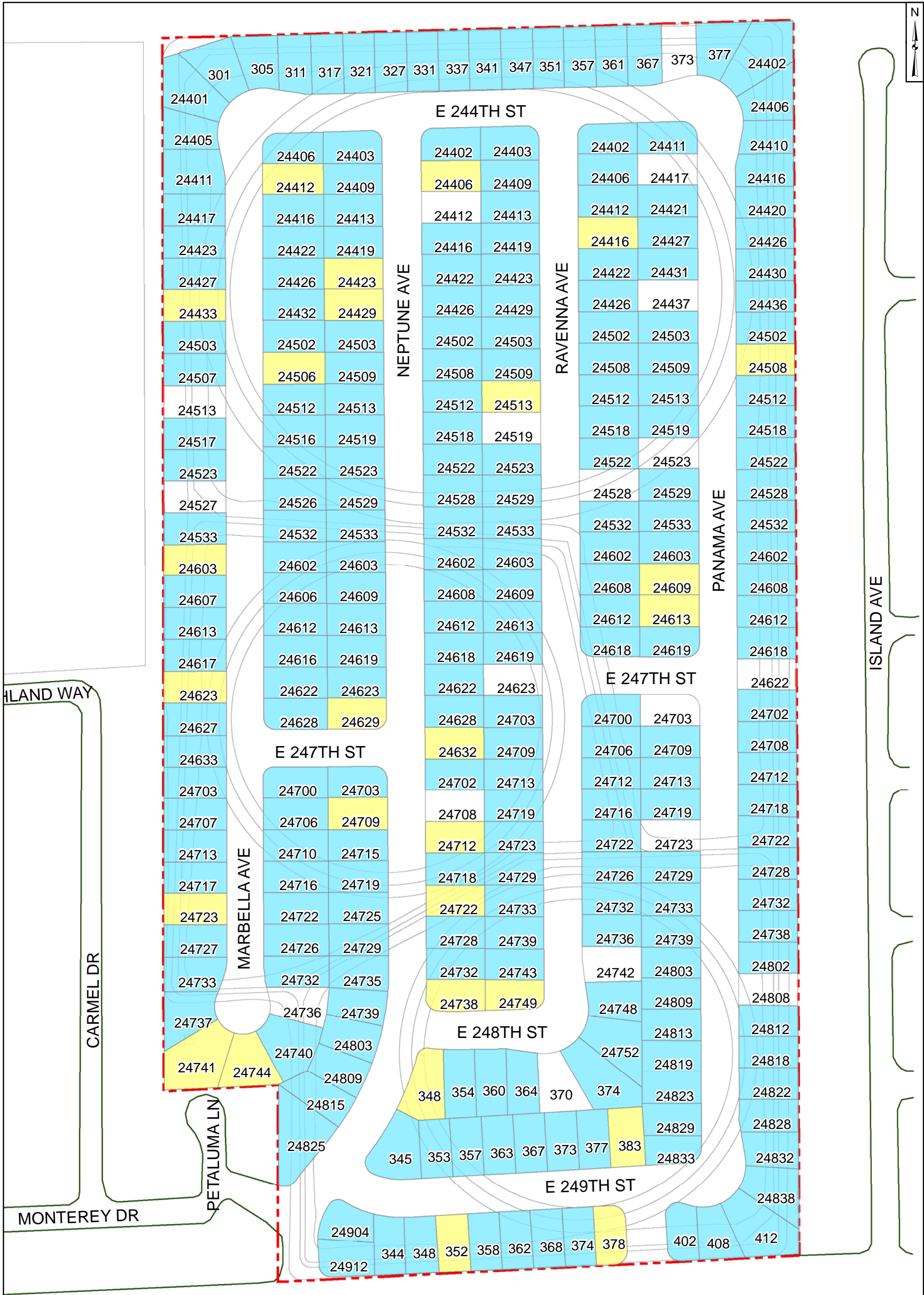
Geosyntec  
consultants

Figure  
**6**

Santa Barbara

March 2014





**Legend**

- < HHRA Criteria
- > HHRA Criteria
- No Data Available

**Notes:**

- Background Risks Associated with Trihalomethanes not Included
- 24632 Neptune Avenue property identified for sub-slab mitigation based on methane detection at 0.58%, slightly above the methane Site-Specific Cleanup Goal (SSCG) of 0.5%

150    75    0    150 Feet

**Sub-Slab Soil Vapor to Indoor Air, Residential Scenario**

Former Kast Property

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**Figure**  
**7**

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**APPENDIX A**

**BACKGROUND EVALUATION**

*Prepared for:*

**Shell Oil Products US**  
20945 S. Wilmington Avenues  
Carson, CA 90810

# **Revised Soil Background Evaluation Report**

**Former Kast Property  
Carson, California**

*Prepared by:*

**Geosyntec**   
consultants

engineers | scientists | innovators

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Project Number: SB0484-04-2

March 10, 2014

# REVISED SOIL BACKGROUND EVALUATION REPORT

## Former Kast Property Carson, California

*Prepared for:*

**Shell Oil Products US**

*Prepared by:*

**Geosyntec Consultants, Inc.**



Mark Grivetti, P.G., CHG  
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Aklilu Tesfamichael  
Project Engineer



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Senior Toxicologist

**CERTIFICATION**  
**BACKGROUND ANALYSIS REPORT**  
**FORMER KAST PROPERTY**  
**CARSON, CALIFORNIA**

I am the Project Manager for Equilon Enterprises LLC doing business as Shell Oil Products US for this project. I am informed and believe that the matters stated in the Revised Soil Background Evaluation Report dated March 10, 2014 are true, and on that ground I declare, under penalty of perjury in accordance with Water Code section 13267, that the statements contained therein are true and correct.



---

Doug Weimer  
Project Manager  
Shell Oil Products US  
March 10, 2014

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## 1.0 INTRODUCTION

This Revised Soil Background Evaluation Report was prepared for the Former Kast Property (Site) in Carson, California on behalf of Equilon Enterprises LLC, doing business as Shell Oil Products US (SOPUS). The former Kast Property is a former petroleum storage facility that was operated by a Shell Oil Company predecessor from the mid-1920s to the mid-1960s. The property was redeveloped as the Carousel Community residential housing tract by others in the late 1960s. The Site is located in the City of Carson in the area inclusive of Marbella Avenue on the west and Panama Avenue on the east and E. 244th Street on the north to E. 249th Street to the south (**Figure 1-1**).

The Revised Soil Background Evaluation Report is prepared in response to Cleanup and Abatement Order (CAO) No. R4-2011-0046 issued to SOPUS on March 11, 2011 by the California Regional Water Quality Control Board – Los Angeles Region (RWQCB or Regional Board). Section 3.c of the CAO orders SOPUS to “prepare a full-scale impacted soil Remedial Action Plan (RAP) for the Site.” As a part of the RAP, several requirements have been set forth that address the development of remedial action objectives (RAOs) and Site-specific cleanup goals (SSCG) for the Site including a full Human Health Risk Assessment (HHRA). This background analysis was conducted to address the requirements of the CAO and to identify chemicals that should be considered in the HHRA.

A work plan to collect background samples for metals and polycyclic aromatic hydrocarbons (PAHs) and develop background threshold values (BTVs) was submitted to the Regional Board on April 26, 2010 (Geosyntec, 2010a) and approved on May 25, 2010. Samples were collected in August 2010 and a report summarizing the methods and results of this investigation were submitted to the Regional Board on September 15, 2010 (URS, 2010b). A preliminary background evaluation for the former Kast Property was included as Appendix D of this report (Geosyntec, 2010b). The Regional Board and the Office of Environmental Health Hazard Assessment (OEHHA) reviewed and commented on this report on October 12, 2010 and September 13, 2013. This Revised Soil Background Evaluation Report addresses the Regional Board and OEHHA comments on the September 2010 Soil Background Evaluation Report.

A report describing the field sampling activities, observations, and analytical results has been previously submitted to the Regional Board (URS, 2010b). This Revised Soil Background Evaluation Report presents the background evaluation methodology, results used to derive background-based SSCGs, and Site background analysis for metals and carcinogenic PAHs (cPAHs) detected in soil at the Site. The evaluation

builds upon the background evaluations previously conducted (Geosyntec, 2010b, 2011, 2013a,b) in support of the development of SSCGs for the Site. In these prior documents the BTVs for metals and cPAHS as well as a methodology for evaluating Site data with respect to background were presented. This report includes the BTV development and methodology that was presented previously along with the analysis of Site-wide and Property-specific data following the methodology outlined in the Revised SSCG report (Geosyntec, 2013b).

## **1.1 Background**

Site characterization activities have been ongoing at the former Kast property through the collection and analysis of soil samples for several constituents including metals and cPAHs. Additionally, soil samples were collected from Banning Park, located approximately 1 mile southeast of the former Kast Property, to collect local data for background soil characterization (URS, 2010b). Data collected through January 2014 have been used to conduct a HHRA and develop SSCGs for the Site.

Metals and cPAHs concentrations in the environment may be a result of naturally-occurring background levels that are present in the environment; anthropogenic sources that are imposed due to human activity, non-Site sources; and Site-related sources of contamination. Therefore, metals and cPAHs were evaluated to determine whether they are present at the Site above ambient/background levels, and whether they should be considered constituents of concern (COC) to be further evaluated in the HHRA.

## **1.2 Purpose**

The purpose of this background analysis report was to establish background levels and identify property-specific COCs that will be used in the HHRA for the Site. Specifically, this report addresses the following tasks:

- i.* Identify locally representative background data for metals and cPAHs from locations that are not affected by Site impacts;
- ii.* Evaluate the selected background datasets graphically and statistically including outlier analysis to develop a representative background dataset;
- iii.* Develop background threshold values (BTVs) for metals and cPAHs for use in a Site-wide and property-specific background evaluation using local and regulatory approved regional background datasets;

- iv.* Present the methodology that was used to compare the Site-wide dataset with BTVs and conservative risk-based screening levels to determine if metals or cPAHs should be carried forward into the HHRA; and
- v.* Conduct a property-specific background analysis of metals and cPAHs to identify if they are to be further evaluated as COCs in the HHRA.

## 2.0 APPROACH AND METHODOLOGY

Metals may be naturally occurring in the environment. According to the California Department of Toxic Substances (DTSC) (Cal-EPA DTSC 2009a, 2009b, Cal-EPA, 1997), for naturally-occurring compounds such as metals, an evaluation of background concentrations is important to evaluate whether the metals concentrations on the property are consistent with naturally-occurring levels in the area, and whether they should be included in the HHRA. If concentrations of a metal are within background, the metal is not considered a COC and is not evaluated further.

In addition to metals, cPAHs can be naturally-occurring or present at ambient levels not associated with former Site activities. A background dataset and methodology have been developed by DTSC that can be used to evaluate the presence of cPAHs in soil (Cal-EPA DTSC, 2009c).

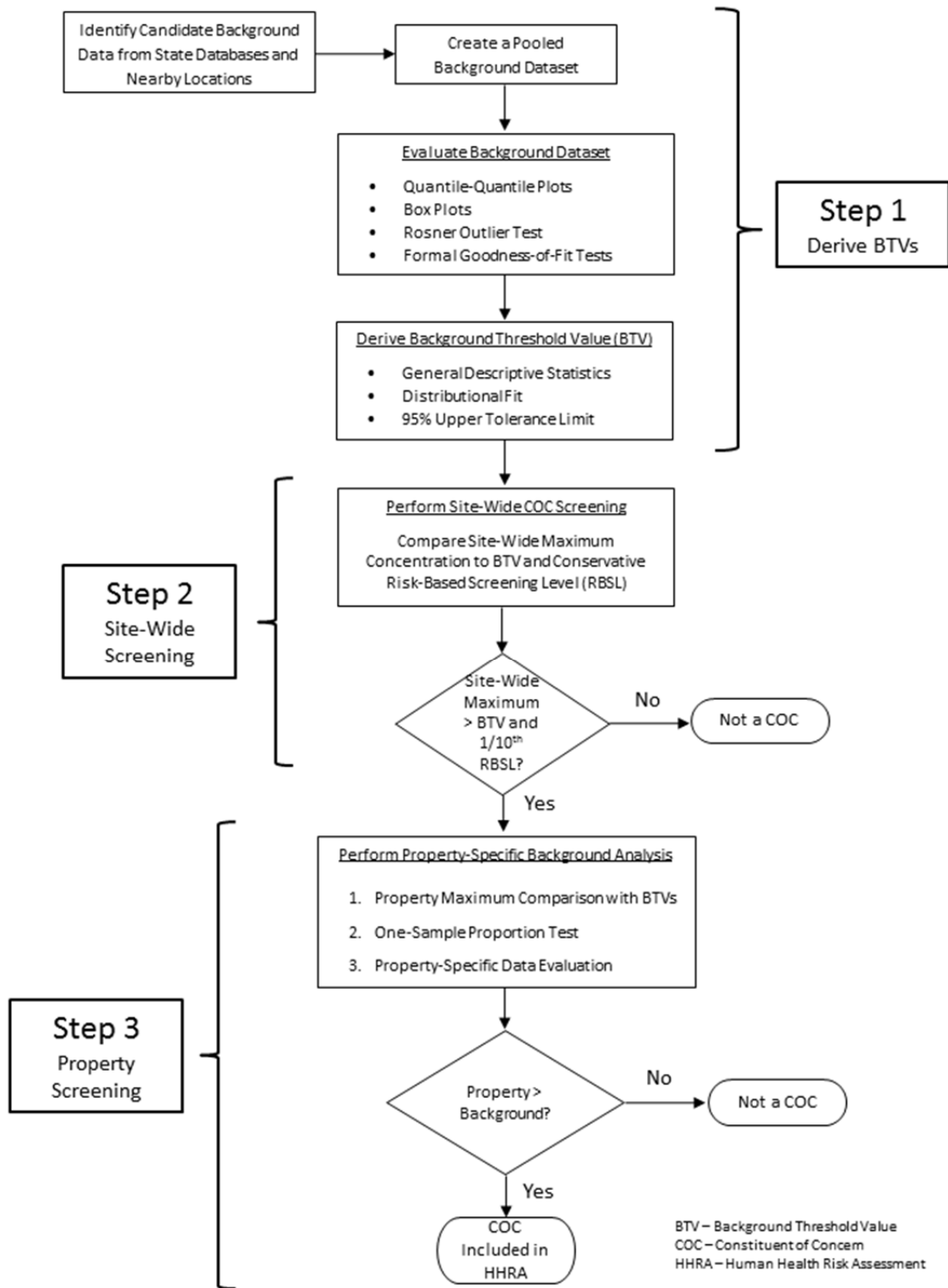
This section presents the approach used to conduct the metals and cPAH background analysis and identify property-specific COCs for the HHRA.

### 2.1 Approach/Methodology

The background evaluation and COC selection process considered:

- Step 1: The development of Background Threshold Values (BTVs) based on:
  - Offsite background data collected for the project;
  - Data collected from nearby locations that represent local background; and
  - Regulatory-approved regional background concentrations for southern California soils.
- Step 2: Comparison of Site-wide maximum values to the BTV and conservative risk-based screening levels to identify metals and cPAHs that should be carried forward as preliminary COCs.
- Step 3: Property-specific evaluations to identify the final list of metals and cPAHs that should be evaluated further in the HRHA.

The approach that was used to perform the COC selection process based on the background evaluation is illustrated in the flow chart below.



## 2.2 Background Site Selection

Background samples for metals and/or cPAHs were collected from the following locations to create a local background database:

- i. Banning Park,
- ii. Banning Elementary School,
- iii. Wilmington Middle School, and
- iv. Wilmington Recreation Center.

These locations were previously identified in the Background Soil Evaluation Work Plan (Geosyntec, 2010) and are described in the sections below. The summary statistics of the metals and cPAH background datasets for the four locations listed above are provided in **Table 2-1**. A complete listing of the background sample analytical results from these investigations is provided in **Appendix 8**. The use of background datasets from nearby locations in the vicinity of the Site is consistent with the approaches and methodologies used by DTSC and other regulatory agencies to evaluate regional background datasets such as arsenic or cPAHs for southern and northern California regions (Cal-EPA DTSC, 2009a; 2009c). The regional datasets show that background values can vary by location. The use of several background datasets is anticipated to capture the variability and provide a more representative background value.

### 2.2.1 Banning Park

Banning Park was selected as a potential background location as the site did not appear to have been developed for commercial or industrial use and according to the review of historical aerial photographs from the RWQCB Geotracker database (Geotracker), the site was not impacted by nearby historical operations. The park is developed with a museum situated on 20-acres of parkland. The museum was formerly a residence built in 1864. The residence and parkland were acquired by the City of Los Angeles in 1927. A total of 30 soil samples were collected from ten soil borings placed at 0.5, 2 and 5 feet (ft) below ground surface (bgs). Details of the background sampling investigation approach and results are provided in *Soil Background Evaluation Report* (URS, 2010b). The Banning Park background samples were analyzed for metals and cPAHs.

### 2.2.2 Banning Elementary School & Wilmington Middle School

Data previously collected to support site characterization at nearby school locations including Banning Elementary School and Wilmington Middle School were considered for inclusion in the background dataset. At Banning Elementary School, 63 soil



samples were collected at depths of 0, 0.5, 1, and 5 ft bgs and analyzed for metals (Lindmark, 2007). At Wilmington Middle School, five soil samples were collected at 0.5 and 5 ft bgs and analyzed for metals and cPAHs (URS, 2010a) (**Table 2-1**).

### **2.2.3 Wilmington Recreation Center**

Eight background soil samples were collected at Wilmington Recreation Center as part of the environmental investigations performed for the LAUSD new schools construction program. These data are reported in the Preliminary Endangerment Assessment (PEA) for Banning Elementary School (Lindmark, 2007). The samples were collected at 0.5 and 2.5 to 3 ft bgs and analyzed for metals (**Table 2-1**).

## **2.3 Evaluation of Background Datasets**

### **2.3.1 Comparison of Background Samples by Depth**

The background samples were obtained from several depths ranging from 0 to 5 ft bgs. To evaluate whether the samples could be combined into a single dataset, the samples were evaluated for significant difference by depth to determine if shallower samples were statistically different than surface samples. Samples between 0 to 2 ft bgs (surface) and >2 to 5 ft bgs (shallow), and with percent detection above 50%, were statistically compared using the non-parametric Mann-Whitney method at 0.05 significance level. The results show that the majority of metals concentrations (except cadmium, copper, lead and zinc) are not significantly different by depth. The Mann-Whitney analysis was not suitable for comparison of equality for cPAHs (reported as benzo(a)pyrene-equivalent [BaP-eq or BaP-TEQ]) by depth, as samples >2 to 5 ft bgs have more than an 85% frequency of non-detect samples. A two-sample proportions test, applicable for comparing samples with high degree of non-detection, however, indicated that cPAHs are statistically different by depth. This may be due to higher near surface ambient concentrations as a result of anthropogenic sources. While there were some differences by depth, datasets were combined to reflect the depth interval of interest for exposure potential and to provide for a larger dataset. The statistical analysis report (Minitab software output) is presented in **Appendix 1**.

### **2.3.2 Outlier Evaluation**

Since two of the datasets were from investigations for school sites and were not specifically considered background sample datasets, an outlier analysis was conducted consistent with DTSC guidance for evaluating background (Cal-EPA DTSC, 2009a) to identify soil samples that could have elevated concentrations due to environmental

impacts and thus inflating the background BTV values. The background datasets were screened for suspect or potential outliers using (i) box plots, (ii) Q-Q plots, (iii) probability plots or underlying distributions (goodness-of-fit test, GOF), (iv) Rosner outlier test, and (v) professional judgment based on established regional background thresholds and historical land use.

Samples higher than the three-interquartile range (3IR) on box plots were identified as suspect outliers and were further evaluated using the formal Rosner outlier test. Suspect outliers were also evaluated using Q-Q plots and GOF tests on detected datasets. The Q-Q probability plots for the best fit distribution for each metal and BaP-eq were examined for the presence of inflections, or break-points, which could be used to identify multiple populations or outlier concentrations. A probability plot (i.e., normal, lognormal, or gamma) partitioning was used to identify outliers as well as other patterns in the data that could signify the presence of multiple statistical populations. A weight-of-evidence approach based on the results of all the above methodologies was considered when determining whether a suspect outlier was eliminated or included in the background dataset. Suspect outliers that were persistently identified in all of these methods were further evaluated with respect to sample location, depth or correlation to known impacted locations, or other pertinent evidence. Outlier evaluation of each chemical, as part of a background evaluation, is provided in Section 3.

## **2.4 Development of a Background Threshold Value**

Background Threshold Values (BTVs) are single-point background values that represent an upper plausible limit of the background distribution of individual compounds (USEPA 2010a, 2010b; Helsel 2005). Threshold limits are most often based on an upper percentile of the background distribution (such as the 90th, 95th, or 99th percentile), an upper confidence limit of an upper percentile (that is, an upper tolerance limit or UTL). Consistent with Cal-EPA guidance (Cal-EPA DTSC 2009a), the UTL was derived. Following USEPA's guidance (USEPA, 2010), a minimum of 8 to 10 or more samples were required to estimate BTVs. When detected observations were less than 4 to 6, the maximum detected concentration was used as the BTV. When all the background samples were non-detects, the BTV was based on the laboratory detection limit. The lower value between the maximum detected concentration and the calculated BTV was used as the BTV. Development of the BTV for each chemical is presented in Section 3.

## 2.5 Background Thresholds from State Regulatory Datasets

In addition to the BTVs derived from the data discussed above, well-established regulatory-approved regional background thresholds for soil were considered as applicable. For example, for arsenic, the DTSC background concentration for southern California sites of 12 mg/kg (Cal-EPA DTSC, 2007) was used. These thresholds have been used for many sites within the Los Angeles area to identify chemicals of potential concern for risk assessments as well as used as remedial goals for site cleanups for unrestricted or residential land use. In addition to metals, PAHs can be naturally-occurring or present at ambient levels not associated with former site activities. A background dataset and methodology has been developed that can be used to evaluate the presence of cPAHs in soil (Cal-EPA DTSC, 2009c). Consistent with agency-approved risk assessment practice in California, the DTSC-developed background concentration of 0.9 mg/kg for BaP-eq was used to evaluate cPAHs results. These values were considered in the BTV evaluation for the Site.

## 2.6 Comparison of Site and Background Datasets

Due to the preponderance of Site data (over 10,000 samples and 285 individual study areas), a streamlined approach was developed to evaluate background at the Site. First, maximum detected Site-wide soil concentrations were compared to the BTVs to determine which metal or cPAH are considered above background. Additionally, as proposed in the Revised SSCG Report (Geosyntec, 2013b), the maximum concentration was compared to 1/10<sup>th</sup> the risk-based screening level (RBSL) used in the Human Health Screening Risk Evaluations (HHSRE) conducted for the Site (Geosyntec, 2009, 2010, and 2011). Next, for those properties where metal or cPAH concentrations are above a BTV, a one-sample proportion test was conducted to further evaluate whether observed concentrations are above background. If property-specific concentrations are within background, the metal and/or cPAH were not evaluated further for that property in the HHRA.

### 2.6.1 Point-by-Point Comparison

The point-by-point comparison method was used as a conservative screen to identify chemicals that may be present at concentrations above background. If the maximum detected concentration of a chemical for a specific property was greater than its respective BTV, the one-sample proportion test was used to further evaluate this chemical.

### 2.6.2 One-Sample Proportion Test

For chemicals that were identified as having concentrations above their respective BTV, a one-sample proportion test was used to compare the property-specific data with their BTV. This is consistent with agency guidance that states that when BTVs and cleanup standards are known, one-sample hypothesis tests are used to compare site data with the known and pre-established threshold values (USEPA, 2010). The one-sample proportion test involves comparing the proportion of property-specific data exceeding the BTV with a pre-specified allowable proportion of exceedance (5%). The proportion test is non-parametric and therefore can be used with datasets censored for the statistical analysis in which there is a large proportion on non-detect values. The proportion test was used to detect a significant difference or a shift in the upper tail of the property-specific data distribution. A significant shift in the upper tail of the property-specific dataset as compared to background may indicate that the property has been impacted for that particular chemical. A 5% level of significance ( $p\text{-value} < 0.05$ ) was used to evaluate all tests.

### 2.6.3 Detailed Property-Specific Data Evaluation

A more detailed analysis may be conducted to further evaluate if chemicals are present at each property above background, especially for chemicals that do not have local or regional background datasets or, were non-detect in the background datasets. Methods described in Cal-EPA guidance *Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities* (Cal-EPA, 1997) describe ways that the Site data can be evaluated to determine if observed concentrations are consistent with background. Natural metals distributions are widely observed to be normal or to have a low to moderate skewness that is well approximated by a lognormal distribution (Cal-EPA, 1997). Cal-EPA also states that samples from such distributions generally range by no more than one order of magnitude and that the sample coefficients of variation (CV,  $\text{standard deviation} \div \text{mean}$ ) are also no greater than one. Substantial departures from these traits, referred to here as natural population indicators, were used to indicate the presence of multiple populations in the sample, which may indicate the presence of chemical concentrations above background. As a part of the evaluation, visual observation of the data was conducted using probability plots to determine if multiple populations are present.

If the concentrations of a chemical were found to be above background after these three steps, the chemical was evaluated as a COC in the HHRA.

### 3.0 DERIVATION OF BACKGROUND THRESHOLD VALUES

This section presents the approach used to develop BTVs for metals and cPAHs for use in the background analysis. The BTVs are single-point values that represent an upper plausible limit of the background distributions of individual compounds.

The metals and cPAH background dataset was screened for suspect or potential outliers using (i) box plots, (ii) Q-Q plots, (iii) probability plots or underlying distributions (goodness-of-fit test, GOF), (iv) Rosner outlier test, as described in Section 2.3.2. The results of the outlier evaluation are presented in **Table 3-1** and are discussed for each chemical in the Sections below. Box plots and probability plots of the background datasets are provided in **Figures 3-1 to 3-2**.

Box plots based on three times the interquartile range (3IR), Q-Q plots and probability plots for the outlier evaluation are shown for each analyte on **Figures 3-3.1 through 3-3.18**. ProUCL output of the Rosner outlier test is provided in **Appendix 2**.

The GOF test of the background dataset before and after elimination of suspect outliers is provided in **Appendices 3 and 4**, respectively. A summary of the BTVs after elimination of suspect outliers is presented in **Table 3-2**. ProUCL output of the upper background threshold analysis is provided in **Appendix 5**.

#### 3.1 Derivation of BTVs for Metals

*Antimony (number of samples, N=106; percent of non-detects, ND=99%)*

Antimony has 106 samples collected from 0 to 5 ft bgs. There is only one detected sample at 0.74 mg/kg (99% non-detect). Since the percent of non-detects (%ND) is significantly large, there is no reliable statistical analysis that can be performed on antimony. No samples were eliminated as outliers. The laboratory detection limits were 0.306 and 0.5 mg/kg. The detected sample was obtained from Banning Park at 0.5 ft bgs.

Due to a large %ND, no reliable 95% UTL could be estimated. The maximum value of 0.74 mg/kg was therefore used as the BTV for antimony (**Table 3-2**).

*Arsenic (N=106, ND=2.9%)*

An outlier evaluation based on a 3IR box plot indicated that arsenic has three suspect outliers including 9, 11.9, and 127 mg/kg, while the Rosner outlier test at 1% significance level indicated that 127 mg/kg may be a potential outlier. Graphic

evaluation using a Q-Q plot indicated that the arsenic concentration of 127 mg/kg is a suspect outlier. A GOF test indicated that arsenic data did not fit a normal or lognormal distribution. The GOF test, however, shows that the arsenic concentration of 127 mg/kg is considerably offset from the general linear trend, indicating that the sample may be an outlier. The sample was obtained from the surface (at 0 ft bgs) at the Wilmington School, and may not represent background distribution. Moreover, the value is significantly above the Southern California arsenic background threshold of 12 mg/kg and above the background range reported of 2.2 mg/kg to 19 mg/kg reported in the regional study conducted by UC Riverside (1991) and the range of 0.15 mg/kg to 19.63 mg/kg that was observed in the Southern California background dataset presented by DTSC in its Arsenic Strategies Document (Cal-EPA DTSC, 2009a). The weight of evidence presented above supported removal of the arsenic concentration 127 mg/kg as an outlier from the background dataset.

After elimination of the outlier, arsenic appeared to follow an approximate gamma distribution; a gamma-based 95% UTL of 10.4 mg/kg was estimated using ProUCL. The local threshold BTV, 10.41 mg/kg, is less than the well-established Southern California arsenic BTV of 12 mg/kg developed by DTSC. The maximum value in the local background dataset is 11.9, close to the value of 12 mg/kg. The Southern California background arsenic dataset is made up of a much larger database across several areas within the Los Angeles basin and as a result anticipated to be more representative of background within the Los Angeles area. In addition, this value has been commonly used for COC selection and as a cleanup level for unrestricted land use and residential sites. Therefore, the DTSC arsenic threshold value of 12 mg/kg is used as the BTV in this report (**Table 3-2**).

*Barium (N=106, ND=0%)*

Based on a 3IR box plot evaluation, barium has four suspect outliers including concentrations of 203, 267, 428 and 575 mg/kg. A Rosner outlier test at 1% significance level indicated that 575 mg/kg may be a potential outlier while a graphic evaluation using a Q-Q plot indicated that 267, 428, and 575 mg/kg are potential outliers. A GOF test indicated that barium data did not fit a normal or lognormal distribution. However, the test based on a lognormal distribution showed that barium concentrations 428 and 575 mg/kg deviated from the general linear trend indicating that they may be outliers. The weight of evidence presented above supported removal of barium concentrations 428 and 575 mg/kg as outliers from the background dataset.

After elimination of the two suspect outliers (N=104, %ND = 0%), barium data appeared to fit a lognormal distribution; therefore, a lognormal-based 95% UTL of 195.4 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Beryllium (N=106, ND=17.0%)*

Based on a 3IR box plot evaluation, beryllium has four suspect outliers including concentrations of 0.6, 0.7, 0.7, and 0.8 mg/kg. A Rosner outlier test indicated that 0.8 mg/kg may be an outlier while a graphic evaluation using a Q-Q plot did not show an obvious or significant outlier. A GOF test indicated that beryllium data did not fit a normal or lognormal distribution. There is however a general linear trend based on a lognormal distribution particularly among the detected data. In addition, these concentrations fell within the range of background concentrations of 0.1 to 0.9 mg/kg reported in the regional study conducted by UC Riverside (1991). There is no strong evidence to suggest that these four suspect data are outliers; therefore, no beryllium data were eliminated from the dataset as outliers.

Since beryllium data did not fit a normal or lognormal distribution, a non-parametric 95% KM UTL with 99% coverage of 0.56 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Cadmium (N=106, ND=53.8%)*

Based on a 3IR box plot evaluation, seven cadmium samples from 1.0 to 3.81 mg/kg are suspect outliers. A Rosner outlier test at 1% significance level indicated that 3.81 mg/kg is a potential outlier while a graphic evaluation using a Q-Q plot indicated the presence of two populations. This was indicated by a shift from linearity, which may imply that the upper tail of the distribution may be impacted. However, it has to be noted that cadmium has more than 50% non-detects that constitutes the lower tail of the population distribution while the detected samples make up the upper distribution. So the Q-Q plot departure from linearity is more of a distinction between detected and non-detected samples rather than discrimination between background and impacted samples. The three highest suspect outliers 1.63, 1.8 and 3.81 mg/kg were collected from Banning Park at 0.5 ft bgs. A GOF test on the detected samples indicated that cadmium data fits a lognormal distribution. Using the above weight-of-evidence, no cadmium data were eliminated as an outlier.

Since cadmium data appeared to follow a lognormal distribution, a 95% Bootstrap (%) UTL with 99% coverage of 3.81 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Chromium (N=106, ND=0%)*

Based on a 3IR box plot evaluation, chromium has three suspect outliers including concentrations of 29.3, 36.5 and 38.6 mg/kg. A Rosner outlier test at 1% significance level indicated that 38.6 mg/kg is a potential outlier while a graphic evaluation using a Q-Q plot did not show a significant outlier. A GOF test indicated that chromium data fit a lognormal distribution showing that there may be no outliers. The sample concentrations of 29.3 and 36.5 mg/kg were obtained from Banning Elementary School at 0.5 ft bgs, while the sample concentration of 38.6 mg/kg was obtained from Wilmington Recreation Center at 0.5 ft bgs. Based on the weight-of-evidence presented, no chromium data were eliminated as an outlier.

Since chromium appeared to follow a lognormal distribution, a lognormal-based 95% UTL of 32.54 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Cobalt (N=106, ND=3.8%)*

Based on a 3IR box plot evaluation, cobalt has three suspect outliers including concentrations of 13.1, 13.5, and 15.7 mg/kg. A Rosner outlier test at 1% significance level indicated that 15.7 mg/kg is a potential outlier. A GOF test indicated that cobalt data fit a lognormal distribution. Though the box plot and Rosner test indicated three suspect outliers (13.1, 13.5, and 15.7 mg/kg), the GOF test and Q-Q plot did not show a significant break (inflection point) in the dataset. The suspect outliers 13.1, 13.5, and 15.7 mg/kg were obtained from Banning Elementary School at 0.5, 5, and 1 ft bgs respectively. Based on the weight-of-evidence presented, no cobalt data were eliminated as an outlier.

A non-parametric 95% KM UTL with 99% coverage of 10.91 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Copper (N=106, ND=0%)*

Based on a 3IR box plot evaluation, copper has one suspect outlier at 59 mg/kg. A Rosner outlier test at 1% significance level indicated that 59 mg/kg is a potential outlier



while a graphic evaluation using a Q-Q plot did not show a significant outlier. A GOF test indicated that copper data fit a fairly strong lognormal distribution showing there may be no outliers. The sample concentration of 59 mg/kg was obtained from Banning Park at 0.5 ft bgs. Based on the weight-of-evidence presented, no copper data were eliminated as an outlier.

Since copper appeared to follow a lognormal distribution, a lognormal-based 95% UTL of 64.62 mg/kg was estimated using ProUCL. However, since this value is higher than the maximum detected value of 59 mg/kg, the selected BTV was based on the maximum detection of 59 mg/kg (**Table 3-2**).

*Lead (N=106, ND=5.7%)*

Based on a 3IR box plot evaluation, lead has twelve (12) samples with concentrations ranging from 43.3 to 112 mg/kg considered as suspect outliers. A Rosner outlier test at 1% significance level indicated that 112 mg/kg is a potential outlier while a graphic evaluation using a Q-Q plot apparently showed two populations which is partly a reflection of lead distribution by depth. A GOF test on the detected samples indicated that lead data did not follow a normal or lognormal distribution. However, the linear pattern of the probability plot using a lognormal distribution at different depths (0 to 0.5 ft, and >0.5 ft bgs) indicated that lead may not have an outlier. Moreover, lead has been detected at background level concentrations ranging from 7.7 to 189.4 mg/kg in the Southern California region. Based on the weight-of-evidence presented, no lead data were eliminated as an outlier.

Since lead data did not follow a discernible distribution, a non-parametric 95% KM UTL with 99% coverage of 61.46 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Mercury (N=106, ND=71.7%)*

Mercury has a large proportion of non-detects (ND=71.7%); therefore, an outlier evaluation was performed using the detected data only. There is one suspect outlier (0.324 mg/kg) based on a 3IR box plot evaluation and the Rosner outlier test at 1% significance level. The Q-Q plot however did not show a significant departure or break (inflection point) in the dataset. A GOF test indicated that detected mercury data did not follow a normal or lognormal distribution, though the shift from linearity was small. The suspect outlier was obtained from Banning Park at 0.5 ft bgs. Based on the weight-of-evidence presented, no mercury data were eliminated as an outlier.

Since mercury data did not follow a discernible distribution, a non-parametric 95% KM UTL with 99% coverage of 0.13 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Molybdenum (N=106, ND=84.9%)*

Molybdenum has a large proportion of non-detects (ND=84.9%); therefore, an outlier evaluation was performed using the detected data only. There is no suspect outlier based on a 3IR box plot evaluation and the Rosner outlier test at 1% significance level. The Q-Q plot indicated a slight departure from linearity. A GOF tests indicated that detected molybdenum data did not follow a normal or lognormal distribution, though the shift from linearity was not significant. Based on the weight-of-evidence presented, no molybdenum data were eliminated as an outlier.

Since molybdenum data did not follow a discernible distribution, a non-parametric 95% KM UTL with 99% coverage of 0.41 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Nickel (N=106, ND=10.4%)*

Based on a 3IR box plot evaluation, nickel has two suspect outliers including sample concentrations of 25.3 and 27.2 mg/kg. A Rosner outlier test at 1% significance level indicated 27.2 mg/kg as a potential outlier while a graphic evaluation using a Q-Q plot apparently showed no suspect outlier. A GOF test indicated that nickel data fits a lognormal distribution. Both suspect outliers (25.3 and 27.2 mg/kg) were obtained from Banning Elementary School at 5 and 1 ft bgs respectively. Based on the weight-of-evidence presented, no nickel data were eliminated as an outlier.

A non-parametric 95% UTL with 99% coverage of 20.17 mg/kg was selected from the ProUCL output as the BTV for the background dataset (**Table 3-2**).

*Selenium (N=106, ND=99.1%)*

Selenium has 106 samples all obtained from 0 to 5 ft bgs. There is only one detected sample at 0.78 mg/kg (99% non-detection). No reliable statistics can be performed on selenium as the %ND is significantly large. No selenium data were eliminated as an outlier.

Due to a large %ND, no reliable 95% UTL could be estimated using ProUCL. The maximum detected value of 0.78 mg/kg was selected as the BTV for selenium (**Table 3-2**).

*Silver (N=106, ND=91.5%)*

Silver has 91.5% non-detects. Statistical evaluation was performed only on detected data (9 samples). The outlier tests showed no indication of suspect outliers, and therefore, no sample data were eliminated.

Since silver data appeared to follow a lognormal distribution, a lognormal-based 95% UTL of 6.87 mg/kg was estimated using ProUCL. However, since this value is higher than the maximum detected value of 1.29 mg/kg, the selected BTV was based on the maximum detection of 1.29 mg/kg (**Table 3-2**).

*Thallium (N=106, ND=100%)*

All 106 thallium data were non-detects. No statistical analysis was performed on thallium. At 100% non-detection, the BTV of thallium was based on its detection limit of 0.23 mg/kg (**Table 3-2**).

*Vanadium (N=106, ND=0%)*

Based on a 3IR box plot evaluation, vanadium has no suspect outliers. A Rosner outlier test at 1% significance level also indicated no suspect outlier. The Q-Q plot showed a fairly linear trend indicating no potential outlier. A GOF test indicated that vanadium data follows a gamma and a lognormal distribution. Based on the weight-of-evidence presented, no suspect outliers were identified for vanadium.

Since vanadium appeared to follow a gamma distribution, a gamma-based 95% UTL of 45.66 mg/kg estimated using ProUCL was selected as the BTV for the background dataset.

*Zinc (N=106, ND=0%)*

Based on a 3IR box plot evaluation, zinc has four suspect outliers including 151, 172, 291, and 525 mg/kg. A Rosner outlier test at 1% significance level indicated that 525 mg/kg may be a potential outlier while a graphic evaluation using a Q-Q plot also indicated that 525 mg/kg may be a potential outlier. A GOF test indicated that zinc data did not fit normal nor lognormal distributions though the deviation of the probability

plot from linear trend is only slight. The sample concentration of 525 mg/kg was obtained from Wilmington Recreation Center at 0 ft bgs. Based on the weight-of-evidence presented, sample concentration of 525 mg/kg may be an outlier and was therefore eliminated from the background dataset.

Since zinc data did not follow a discernible distribution even after the elimination of the outlier, a non-parametric 95% percentile Bootstrap UTL of 291 mg/kg was selected from the ProUCL output as the BTV for the background dataset.

### 3.2 Derivation of a BTV for cPAHs as BaP-TEQ

*BaP-TEQ (N=35, ND=37.1%)*

Soil samples analyzed for cPAHs (reported in **Tables 2-1** and **3-1 to 3-2** as BaP-TEQ) were collected from Banning Park (N=30) and Wilmington Middle School (N= 5). Based on a 3IR box plot evaluation and the Rosner outlier test at 1% significance level, the BaP-TEQ concentration of 0.179 mg/kg appears to be a suspect outlier. The Q-Q plot and GOF test indicated that the concentration of 0.179 mg/kg may be an outlier. The sample was collected at 0.5 ft bgs at Wilmington Middle School. A review of the sample data indicated that low levels of total petroleum hydrocarbons (<60 mg/kg) were detected, which may have contributed to the cPAH concentrations. However, since the value of 0.179 mg/kg is well within the range of background reported for Southern California (Cal-EPA, 2009c), and the concentrations of TPH are considered negligible (<60 mg/kg) and not from a known onsite source, the sample was included in the analysis as what may be represented in the soils from anthropogenic non Site-related sources.

To further evaluate background cPAH, these local background datasets were evaluated against the backdrop of 22 background sites in Southern California (N=185) used in developing the regional cPAH background threshold (Cal-EPA DTSC, 2009c). Side-by-side graphical evaluation, including box plots and probability plots, were used to compare local and Southern California representative datasets (**Figure 3-4**). The evaluation indicated that, Banning Park and Wilmington Middle School datasets are in the low end/tail distribution of Southern California background datasets.

The Southern California analysis used a much larger pool of background sites, and a relatively larger number of samples. As a result, the Southern California evaluation is anticipated to be more robust and more representative of the true background condition of the region. The local background dataset is consistent with a selection of subsamples

from the broader regional dataset where some samples are expected to be higher and some lower than the regional mean. Moreover, the Southern California statistical analysis benefits from a higher statistical power due to higher number of samples than Banning Park and Wilmington Middle School background samples collected as part of a site investigation.

Therefore, considering the above and the common use of the regional dataset for remedial decision-making at sites, the background value of 0.9 mg/kg, derived from the southern California cPAH background analysis was selected as the BTV for BaP-TEQ. This value has been used as a remedial goal at unrestricted land use and residential sites throughout southern California. The BTV of 0.9 mg/kg was used to determine if property-specific concentrations are above background.

### **3.3 Conclusion**

BTVs were developed for metals and cPAHs using an upper tolerance limit after the background datasets were assessed for outliers. It is worth noting that, despite several potential or suspect outliers, the weight-of-evidence approach indicated that only four samples (one for arsenic, two for barium, and one for zinc) were eventually eliminated as outliers. Where the degree of non-detection was high and no reliable statistics could be performed, as in antimony, selenium, and thallium, the BTV was estimated conservatively as the maximum detected value or the detection level. The well-established background concentrations of 12 mg/kg and 0.9 mg/kg for the Southern California region were selected as the BTVs for arsenic and BaP-TEQ, respectively.

#### 4.0 SITE-WIDE BACKGROUND ANALYSIS

To identify which chemicals would be carried forward into a more detailed property-specific background analysis, Site-wide data were compared to BTVs developed in Section 3 above, and to residential risk-based screening levels as described in the Revised SSCG Report (Geosyntec, 2013b). The Site-wide maximum chemical concentration detected in the soil depth interval of 0 to 10 ft bgs was used for this comparison. Chemicals with a maximum concentration greater than its respective BTV and residential risk-based screening levels were carried forward into a more detailed property-specific background analysis discussed in Section 5. Otherwise, the chemical was eliminated from further analysis. The Site-wide data comparison is presented in **Table 4-1**. The box plots and probability plots of Site-wide metals and cPAH datasets are shown in **Figure 4-1** and **Figure 4-2**, respectively.

Based on this comparative analysis, barium, beryllium, chromium, mercury, molybdenum, nickel, selenium, and silver were not evaluated further in this report. Antimony, arsenic, cadmium, cobalt, copper, lead, thallium, vanadium, zinc and cPAHs were retained for property-specific background analysis, as described in the next Section.

## **5.0 PROPERTY-SPECIFIC BACKGROUND ANALYSIS**

### **5.1 Descriptive Statistics**

The summary of descriptive statistics, including an evaluation of the data distribution (e.g., normal or lognormal), for the retained metals and cPAHs by property is shown in **Tables 5-1.1 through 5-1.10**.

Data for each of the 268 properties indicate very low coefficient of variation ( $CV < 2$ ) for antimony, arsenic, cobalt, thallium and vanadium, while a few properties have slightly elevated CVs ( $CV > 2$ ) for cadmium (2 properties), copper (1 property), lead (13 properties), and zinc (2 properties). Approximately one-third of the 268 properties (93 properties) indicate a  $CV > 2$  for BaP-TEQ. Most of the properties have low to moderate skewness [-2 to 2]. A low CV and/or low to moderate skewness are often characteristic of a natural distribution indicative of a background population.

### **5.2 Distribution Analysis**

Goodness-of-fit test (GOF) based on the Anderson Darling test was performed for normal or lognormal distribution using detected samples to qualitatively evaluate whether the distribution of metals and cPAHs in each property represents natural/background distributions. The distribution analysis was performed for each property by analyte for the 0 to 10 ft bgs depth interval data. A summary of the test results are presented in **Tables 5-1.1 through 5-1.10**. The results indicate that metals are normally or lognormally distributed while cPAHs are lognormally distributed in most of the properties. Natural metals distributions are widely observed to be normal or to have a low CV and/or a low to moderate skewness that is well approximated by a lognormal distribution.

### **5.3 Property-Specific Background Analysis**

Following the approach described in the previous sections, the property-specific background analysis included: i) comparison of the property-specific maximum detected concentration of each metal and BaP-TEQ to their respective BTVs (developed in Section 3); ii) one-sample proportion test; and iii) a detailed property-specific data evaluation.

#### **5.3.1 Property-Specific Maximum Comparison to BTVs**

The comparison of property-specific data to BTVs, which was similarly done for the Site-wide dataset, was used to identify chemicals that may be present at concentrations

above background. If the property-specific maximum detected concentration of each metal or BaP-TEQ was lower than the BTV, the chemical was designated to be within background. Therefore, no further analysis was performed for that specific chemical for that specific property. However, if property-specific maximum detected concentrations exceeded the BTV, the chemical may be considered above background and further statistical analysis was performed. The property-specific results of this comparison to BTVs are presented in **Tables 5-2.1 through 5-2.10** for the retained COCs identified in Section 4.

### 5.3.2 One-Sample Proportion Test

For chemicals with maximum detected concentrations above their BTV, a one-sample proportion test was conducted to further compare the property-specific data with the BTVs. The proportion test was used to evaluate the proportion of samples significantly exceeding the BTV. A significant exceedance in the upper tail of the dataset as compared to background may indicate that the property has been impacted for that particular chemical. If the proportion of samples exceeding the BTV is significantly high (>5%), the chemical may be considered above background. The proportion test was conducted at a 5% significance level (p-value < 0.05). Summary of the test results for each property and analyte is presented in **Tables 5-2.1 through 5-2.10**. ProUCL output of the one-sample proportion test is presented in **Appendix 6**.

### 5.3.3 Detailed Property-Specific Data Evaluation

A detailed background analysis based on the methodology described in Section 2.6.3 was conducted for antimony, arsenic, and thallium on the properties that were assessed to be above background using the BTV comparison test and the one-sample proportion test. These metals were specifically selected for a detailed evaluation due to their presence in the soil depth interval of >5 to ≤10 ft bgs, where the potential for leaching to groundwater is considered. The purpose of the more detailed evaluation was to confirm if these metals are indeed considered above background. The property-specific data evaluation approach is based on the assumption that naturally-occurring metals follow a normal distribution, exhibit low coefficient of variation (CV<1), often have low skewness or can be approximated by a lognormal distribution. This method also looks at inflection points or break points to detect and identify multiple distributions as an indicator of impacts.

Probability plots based on detected samples were developed (see **Appendix 7**) to evaluate inflection points and distribution fit; and to determine if these metals have either a normal or lognormal distribution and therefore may be considered background.



Moreover, descriptive statistics, including the CV, were used to assess the variability of the datasets. If a chemical distribution was approximated by normal or lognormal distribution, and exhibits low CV, the chemical may be considered within background. On the other hand, if a chemical cannot be approximated by normal or lognormal distribution and is characterized by a clear break in continuity or inflection point, then the chemical may be considered above background.

The results based on the above analysis (**Tables 5-3.1 to 5-3.3**) indicated that antimony, arsenic, and thallium have either a normal or lognormal distribution with CVs <1 and are therefore considered to be within background in most of the properties with a few exceptions as noted in the next Section.

## **5.4 Results and Discussion**

The summary descriptive statistics and distribution test results of the metals and cPAH are provided in **Tables 5-1.1 to 5-1.10**. The summary results of the BTV comparison and one-sample proportion tests are shown in **Tables 5-2.1 through 5-2.10**, while the detailed property-specific data evaluation results are summarized in **Tables 5-3.1 to 5-3.3**. Chemicals that were determined to be above background for a specific property were considered COCs and were therefore included in the HHRA.

### **5.4.1 Results of the Property-Specific Background Analysis**

#### *Antimony*

The number of antimony samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 0% to 98%. The CV for antimony is low; based on detected samples, a CV<1 for all but one property where CV=1.1. Antimony was normally or log normally distributed in 78% of the properties where minimum of 4 samples were detected. .

The BTV of antimony is 0.74 mg/kg, and the maximum concentration detected at the Site is 6.45 mg/kg. Based on the BTV comparison approach, antimony was below its BTV in 159 of the 268 properties evaluated. The one-sample proportion test conducted on the remaining 109 properties indicated that antimony concentrations in 46 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 2% to 74%.

Note that the maximum value of 0.74 mg/kg was used as the BTV for antimony due to a large number of non-detects (99.1%). In addition, because the presence of antimony in

the soil depth interval of  $>5$  to  $\leq 10$  ft bgs is a concern for potential for leaching to groundwater, a detailed background analysis was conducted for antimony on the properties that were assessed to be above background using the BTV comparison test and the one-sample proportion test. The CVs were  $<1$  for all 46 properties where antimony was considered above background based on the BTV comparison and the one-sample proportion test; thus indicating a rather naturally-occurring distribution. The probability plots further indicate that the distribution of antimony is characterized by a lognormal distribution in all but one property with practically no breaks or inflection points to indicate a contaminant distribution. Therefore, only one property was assessed as having antimony above background.

### *Arsenic*

The number of arsenic samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 64% to 100%. The CV for arsenic is low; based on detected samples, a  $CV < 1$  for all but three properties where CV ranged from 1.1 to 1.2. Arsenic was normally or log-normally distributed in 78% of the properties indicating that arsenic may be predominantly a naturally-occurring chemical at the Site.

The BTV of arsenic is 12 mg/kg, and the maximum concentration detected at the Site is 62.9 mg/kg. Based on the BTV comparison approach, arsenic was below its BTV in 176 of the 268 properties evaluated. The one-sample proportion test conducted on the remaining 92 properties indicated that arsenic concentrations in 15 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 1% to 50%.

Because the presence of arsenic in the soil depth interval of  $>5$  to  $\leq 10$  ft bgs is a concern for potential for leaching to groundwater, a detailed background analysis was conducted for arsenic on the properties that were assessed to be above background using the BTV comparison test and the one-sample proportion test. The CVs were  $<1$  in all but one of 15 properties where arsenic may be above background based on one-sample proportion test; thus indicating a rather naturally-occurring distribution. The probability plots further indicate that the distribution of arsenic is characterized by a lognormal distribution in 10 properties with practically no data breaks or data gaps or inflection points to indicate a contaminant distribution. Therefore, arsenic was considered to be above background in the remaining five properties where the distribution could not be approximated by a normal or lognormal distribution and where some inflection point was observed.

### *Cadmium*

The number of cadmium samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 0% to 100%. The CV for cadmium is low; based on detected samples, a  $CV < 1$  for all but 21 properties where CV ranged from 1.01 to 2.4. Cadmium was normally or log-normally distributed in 67% of the properties where minimum of 4 samples were detected indicating that cadmium may be predominantly a naturally-occurring chemical at the Site.

The BTV of cadmium is 3.81 mg/kg, and the maximum concentration detected at the Site is 9.02 mg/kg. Based on the BTV comparison approach, cadmium was below its BTV in 57 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 211 properties indicated that cadmium concentrations may be within background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged only from 3% to 5%.

### *Cobalt*

The number of cobalt samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 100% in every property. The CV for cobalt is low; based on detected samples, a  $CV < 0.5$  for all properties. Cobalt was normally or log-normally distributed in 71% of the properties indicating that cobalt may be predominantly a naturally-occurring chemical at the Site.

The BTV of cobalt is 10.91 mg/kg, and the maximum concentration detected at the Site is 31.3 mg/kg. Based on the BTV comparison approach, cobalt was below its BTV in 102 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 166 properties indicated that cobalt concentrations in 85 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 12% to 92%.

### *Copper*

The number of copper samples used in the analysis ranged from 8 to 127 samples per property with percent detection at 100% in every property. The CV for copper is low; based on detected samples, a  $CV < 1$  for all but six properties where CV ranged from 1.01 to 2.7. Copper was normally or log-normally distributed in 63% of the properties indicating that copper may be predominantly a naturally-occurring chemical at the Site.

The BTV of copper is 59 mg/kg, and the maximum concentration detected at the Site is 1,190 mg/kg with the next highest detection at 170 mg/kg. Based on the BTV comparison approach, copper was below its BTV in 255 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 13 properties indicated that copper concentrations may be within background in all properties. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 2% to 13%.

### *Lead*

The number of lead samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 82% to 100%. The CV for lead is low; based on detected samples, a  $CV < 1$  for all but 91 properties where CV ranged from 1.01 to 5.7. Lead was normally or log-normally distributed in only 29% of the properties indicating that lead may be present above background levels at the Site.

The BTV of lead is 61.46 mg/kg, and the maximum concentration detected at the Site is 1,330 mg/kg with the next highest concentration at 390 mg/kg. Based on the BTV comparison approach, lead was below its BTV in 193 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 75 properties indicated that lead concentrations in 2 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 18% to 19%.

### *Thallium*

The number of thallium samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 0% to 83%. The CV for thallium is low; based on detected samples, a  $CV < 0.6$  for all properties. Thallium was normally or log-normally distributed in 100% of the properties where minimum of 4 samples were detected indicating that thallium may be predominantly a naturally-occurring chemical at the Site.

The BTV of thallium is 0.23 mg/kg, and the maximum concentration detected at the Site is 3.47 mg/kg. Based on the BTV comparison approach, thallium was below its BTV in 217 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 50 properties indicated that thallium concentrations in 20 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 9% to 83%.

Note that the detection limit 0.23 mg/kg was used as the BTV for thallium due to 100% non-detection. In addition, because the presence of thallium in the soil depth interval of >5 to ≤10 ft bgs is a concern for potential for leaching to groundwater, a detailed background analysis was conducted for thallium on the properties that were assessed to be above background using the BTV comparison test and the one-sample proportion test. The CVs were <1 in all 50 properties where thallium was considered above background based on the BTV comparison and the one-sample proportion test; thus indicating a rather naturally-occurring distribution. The probability plots further indicate that the distribution of thallium is characterized by a lognormal distribution in all but four properties with practically no breaks or inflection points to indicate a contaminant distribution. Therefore, only those four properties were assessed as having thallium above background.

### *Vanadium*

The number of vanadium samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 100%. The CV for vanadium is low with a maximum CV at 0.44. Vanadium was normally or log-normally distributed in 74% of the properties indicating that vanadium may be predominantly a naturally-occurring chemical at the Site.

The BTV of vanadium is 47.01 mg/kg, and the maximum concentration detected at the site is 86 mg/kg. Based on the BTV comparison approach, vanadium was below its BTV in 182 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 86 properties indicated that vanadium concentrations in 24 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 11% to 56%.

### *Zinc*

The number of zinc samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 100%. The CV for zinc is low; based on detected samples, a CV<1 for all but 17 properties where CV ranged from 1.01 to 4.4. Zinc was normally or log-normally distributed in 47% of the properties indicating that zinc may be above background at several locations at the Site.

The BTV of zinc is 291mg/kg, and the maximum concentration detected at the Site is 5,570 mg/kg with the four next highest samples ranging from 540 to 1,240 mg/kg. Based on the BTV comparison approach, zinc was below its BTV in 253 of 268

properties evaluated. The one-sample proportion test conducted on the remaining 13 properties indicated that zinc may be within background throughout the Site. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 2% to 6%.

#### *cPAH (BaP-TEQ)*

The number of cPAHs samples used in the analysis ranges from 8 to 127 samples per property with percent detection at 19% to 100%. The CV for cPAHs is moderate to high; based on detected samples, the CV ranges from 1 to 6.7 for all but 15 properties where  $CV < 1$ . cPAHs concentrations were predominantly log-normally distributed in 75% of the properties indicating that BaP-TEQ may be predominantly a naturally-occurring chemical at the Site despite the relatively moderate to high CV.

The BTV of cPAHs is 0.9 mg/kg, and the maximum concentration detected at the Site is 62.9 mg/kg. Based on the BTV comparison approach, cPAHs concentrations were below its BTV in 181 of 268 properties evaluated. The one-sample proportion test conducted on the remaining 87 properties indicated that cPAHs concentrations in 6 properties may be above background. The proportion test was conducted at 5% significance level and the sample frequency of BTV exceedance ranged from 14% to 21%.

#### **5.4.2 Discussion of the Results**

A total of ten properties were identified as having metals above background due to the presence of arsenic, antimony, or thallium. A review of the data with respect to depth interval was conducted to evaluate whether the presence of these metals concentrations above background would be addressed through shallow soil excavation or remain at depths from > 5 to 10 feet bgs and pose a potential for leaching to groundwater.

##### *Antimony*

Antimony was present above background levels at one property.

- 24718 Neptune Avenue: Four out of the 65 soil samples collected at this property had concentrations above background with a maximum concentration of 2.55 mg/kg. These four samples were located at depths of 0.5 to 2 feet bgs.

The detections of antimony above background are infrequent, but at a depth that can be addressed by excavation.

### *Arsenic*

Arsenic was present above background levels at five properties. Concentrations above the southern California regional dataset ranges were evaluated further. Data from the regional study conducted by UC Riverside, summarized and are included in **Table 4**, ranged in concentrations from 2.2 mg/kg to 19 mg/kg. This is similar to the range of 0.15 mg/kg to 19.63 mg/kg that is observed in the southern California background dataset presented by DTSC in its Arsenic Strategies Document (Cal-EPA DTSC, 2009). The dataset presented by DTSC forms the basis for the threshold value of 12 mg/kg used as background for southern California soils. The following properties had concentration(s) above the maximum of the background range observed in southern California soils (> max bkgd range):

- 24411 Panama Avenue: Only one out of the 37 soil samples collected at this property had concentrations > max bkgd range. This sample was located at a depth of 10 feet bgs.
- 24613 Marbella Avenue: Four out of the 52 soil samples collected at this property had concentrations > max bkgd range. These samples were located at depths of 5 and 10 feet bgs.
- 24622 Marbella Avenue: Two out of the 53 soil samples collected at this property had concentrations > max bkgd range. This sample was located at a depth of 10 feet bgs.
- 321 244th Street: One out of the 40 soil samples collected at this property had concentrations > max bkgd range. This sample was located at a depth of 10 feet bgs.
- 331 244th Street: Four out of the 28 samples collected at this property had concentrations > max bkgd range. These samples were located at a depth of 10 feet bgs.

The detections of arsenic above background are localized and do not represent a significant mass for leaching to groundwater. Leaching of arsenic to groundwater is not expected to be above what would occur for background soils. However, groundwater will be monitored to assess whether an increase in arsenic concentrations due to the leaching pathway is occurring.

### *Thallium*

Thallium was present above background levels at four properties. Thallium was not detected in the background datasets that were used to calculate the BTV for thallium. As a result the maximum detection limit value was used as the BTV.

- 24603 Ravenna Avenue: Thallium was detected in 21 out of the 31 soil samples collected at this property. Ten of these samples were located at depths of 0.5 to 2 feet bgs, and the remaining samples were from depths of 5 and 10 feet bgs.
- 24608 Panama Avenue: Thallium was detected in 14 out of the 22 soil samples collected at this property. Six of the samples were located at depths of 0.5 to 2 feet bgs, and the remaining samples were from depths of 3.5 to 10 feet bgs.
- 24617 Marbella Avenue: Thallium was detected in the 22 samples out of the 34 soil samples collected at this property. Twelve of the samples were located at depths less than 2 feet bgs, and the remaining samples were from depths of 5 and 10 feet bgs.
- 24733 Ravenna Avenue: Thallium was detected in 5 out of the 40 soil samples collected at this property. Three of the samples were located at depths of 0.5 to 2 feet bgs, and the remaining samples were from depths of 5 and 10 feet bgs.

The data evaluation indicates that on each of these ten properties, the occurrence of metals above the BTV are localized and do not represent a significant mass for leaching to groundwater. Leaching of thallium to groundwater is not expected to be above what would occur for background soils. However, groundwater will be monitored to assess whether an increase in thallium concentrations due to the leaching pathway is occurring.



## 6.0 SUMMARY

A background analysis of metals and cPAHs was conducted at the former Kast Site by statistically comparing BTVs with Site datasets. The BTVs were either derived from nearby areas that are not considered affected by Site impacts or obtained from regionally-established regulatory databases.

The background dataset used in developing the BTVs was based on soil samples collected at Banning Park, Banning Elementary School, Wilmington Middle School, and Wilmington Recreation Center. The derivations of BTVs included an outlier evaluation since two of the datasets were from investigations for school sites and were therefore not considered specifically background. A weight-of-evidence approach, including professional judgment, was used for the outlier evaluation and as a result, only 3 out of 17 metals, arsenic (127 mg/kg), barium (428 and 575 mg/kg), and zinc (525 mg/kg), had suspect outliers eliminated from the background dataset. The BTVs were evaluated in ProUCL as the 95% UTL with 99% coverage.

After establishing the BTVs, the Site-wide background analysis was performed. Because the maximum Site-wide concentrations of barium, beryllium, chromium, mercury, molybdenum, nickel, selenium, and silver detected in 0 to 10 ft bgs soils were either less than their respective BTV or less than the conservative risk-based screening level, these metals were not evaluated further. Antimony, arsenic, cadmium, cobalt, copper, lead, thallium, vanadium, zinc and BaP-TEQ were selected for a property-specific background analysis.

Exploratory evaluation of the property-specific data using descriptive statistics and distribution analysis indicated that most chemicals have low CVs (CV close to 1), low to medium skewness, and have either a normal or lognormal distribution, which is characteristic of naturally-occurring distributions; qualitatively indicating that most of the chemical distributions at the Site may be within background. Samples from individual properties were compared with BTVs and properties with chemical concentrations below BTVs were identified to be within background. Properties with chemical concentrations above their respective BTVs were further analyzed using the one-sample proportion test at 5% significance level. Chemicals that were above background after the one-sample proportion test were identified as COCs for a specific property and included in the HHRA.

A detailed background analysis was conducted for antimony, arsenic, and thallium on the properties that were assessed to be above background using the BTV comparison test and the one-sample proportion test. These metals were specifically selected for a

detailed evaluation due to their presence in the soil depth interval of >5 to ≤10 ft bgs, where the potential for leaching to groundwater is considered. The purpose of the more detailed evaluation was to confirm if these metals are indeed considered above background. Results of the property-specific data evaluation indicated that antimony, arsenic, and thallium have a normal or lognormal distribution with CVs <1 and are therefore within background in most of the properties with a few exceptions. The properties where these metals appear to be present above background levels were carried forward into the HHRA.

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# TABLES

**Table 2-1**  
**Summary Statistics of Background Metals and cPAHs**  
Former Kasli Property  
Carson, CA

Background Offsite Location	Category	Analyte	Depth (ft bgs)	# of Samples	Number of Detects	Number of NDS	% NDS	Minimum <sup>1</sup>	Maximum <sup>1</sup>	Mean <sup>1</sup>	Median <sup>1</sup>	SD <sup>1</sup>	Skewness <sup>1</sup>	CV <sup>1</sup>			
															cPAH		
Banning Park	Metals	BaP-TEQ	0.5 - 5	30	21	9	30%	0.00106	0.0183	0.0042	0.0026	0.0048	2.20	1.13			
		Arsenic	0.5 - 5	30	1	29	97%	0.741	0.741	0.741	0.741	--	--	--	--		
		Antimony	0.5 - 5	30	1	29	97%	0.741	0.741	0.741	0.741	--	--	--	--		
		Barium	0.5 - 5	30	30	0	0%	1.11	11.9	2.35	1.69	1.97	1.97	4.22	0.84		
		Beryllium	0.5 - 5	30	30	0	0%	38.3	267	73.83	71.50	39.08	39.08	4.37	0.53		
		Cadmium	0.5 - 5	30	30	0	0%	0.18	0.30	0.23	0.22	0.03	0.03	0.89	0.13		
		Chromium	0.5 - 5	30	17	13	43%	0.11	3.81	0.83	0.61	0.93	0.93	2.29	1.12		
		Cobalt	0.5 - 5	30	30	0	0%	6.76	28.2	11.64	9.60	4.55	4.55	2.05	0.39		
		Copper	0.5 - 5	30	30	0	0%	3.66	6.53	4.77	4.72	0.54	0.54	1.09	0.11		
		Lead	0.5 - 5	30	30	0	0%	2.69	59	10.77	6.57	11.09	11.09	3.19	1.03		
		Mercury	0.5 - 5	30	30	0	0%	2.3	68.1	13.40	6.46	17.07	17.07	2.22	1.27		
		Molybdenum	0.5 - 5	30	15	15	50%	0.02	0.32	0.05	0.03	0.06	0.06	3.70	1.22		
		Nickel	0.5 - 5	30	30	0	0%	0.10	0.40	0.16	0.14	0.07	0.07	2.57	0.46		
		Selenium	0.5 - 5	30	30	0	100%	3.68	20.8	6.6	5.7	3.0	3.0	3.9	0.5		
		Silver	0.5 - 5	30	9	21	70%	0.132	1.29	0.58	0.29	0.47	0.47	0.60	0.81		
		Thallium	0.5 - 5	30	0	30	100%	--	--	--	--	--	--	--	--		
		Vanadium	0.5 - 5	30	30	0	0%	12.6	22.8	16.28	16.25	1.92	1.92	1.19	0.12		
		Zinc	0.5 - 5	30	30	0	0%	11.5	86.3	29.03	18.95	19.95	19.95	1.79	0.69		
		Banning Elementary School	Metals	Antimony	0 - 5	63	0	63	100%	--	--	--	--	--	--	--	--
				Arsenic	0 - 5	63	60	3	4.8%	0.4	9	1.91	1.7	1.27	3.11	0.67	
Barium	0 - 5			63	63	0	0%	17.7	575	69.04	47.8	86.41	4.58	1.25			
Beryllium	0 - 5			63	47	16	25%	0.2	0.8	0.306	0.3	0.15	1.78	0.48			
Cadmium	0 - 5			63	24	39	62%	0.2	0.7	0.375	0.35	0.15	0.66	0.39			
Chromium	0 - 5			63	63	0	0%	4.4	36.5	11.24	10.6	5.95	1.91	0.53			
Cobalt	0 - 5			63	59	4	6.4%	2.5	15.7	5.52	5	2.70	1.72	0.49			
Copper	0 - 5			63	63	0	0%	3.5	44.1	15.51	14.1	8.99	1.08	0.58			
Lead	0 - 5			63	59	4	6.4%	2.6	11.2	13.06	6	18.57	3.36	1.42			
Mercury	0 - 5			63	0	63	100%	--	--	--	--	--	--	--	--		
Molybdenum	0 - 5			63	0	63	100%	--	--	--	--	--	--	--	--		
Nickel	0 - 5			63	52	11	17%	3	27.2	8.92	7.35	5.46	1.46	0.61			
Selenium	0 - 5			63	0	63	100%	--	--	--	--	--	--	--	--		
Silver	0 - 5			63	0	63	100%	--	--	--	--	--	--	--	--		
Thallium	0 - 5	63	0	63	100%	--	--	--	--	--	--	--	--				
Vanadium	0 - 5	63	63	0	0%	6.2	47.1	20.07	19.7	9.58	0.86	0.48					
Zinc	0 - 5	63	63	0	0%	9.7	291	44.93	30.6	44.02	3.245	0.98					

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**Summary Statistics of Background Metals and cPAHs**  
Former Kasl Property  
Carson, CA

Background Offsite Location	Category	Analyte	Depth (ft bgs)	# of Samples	Number of Detects	Number of NDS	% NDS	Minimum <sup>1</sup>	Maximum <sup>1</sup>	Mean <sup>1</sup>	Median <sup>1</sup>	SD <sup>1</sup>	Skewness <sup>1</sup>	CV <sup>1</sup>		
Wilmington Middle School	Metals	BaP-TEQ	0.5 - 5	5	1	7	80%	0.179	0.179	0.179	0.179	--	--	--		
		Antimony	0.5 - 5	5	0	5	100%	--	--	--	--	--	--	--		
		Arsenic	0.5 - 5	5	5	0	0	0%	1.52	127	27.86	3.41	55.43	2.23	1.99	
		Barium	0.5 - 5	5	5	0	0	0%	66.30	92.2	75.42	72	10.2	1.46	0.14	
		Beryllium	0.5 - 5	5	4	1	1	20%	0.30	0.48	0.37	0.34	0.08	1.24	0.22	
		Cadmium	0.5 - 5	5	0	5	5	100%	--	--	--	--	--	--	--	
		Chromium	0.5 - 5	5	5	0	0	0%	9.04	17.4	12.6	13	3.5	0.35	0.28	
		Cobalt	0.5 - 5	5	5	0	0	0%	5.18	6.92	6.33	6.57	0.7	-1.49	0.11	
		Copper	0.5 - 5	5	5	0	0	0%	5.34	14.70	9.21	7.07	4.06	0.69	0.44	
		Lead	0.5 - 5	5	5	0	0	0%	3.48	57.50	14.96	4.11	23.8	2.23	1.59	
		Mercury	0.5 - 5	5	0	5	5	100%	--	--	--	--	--	--	--	
		Molybdenum	0.5 - 5	5	1	4	4	80%	0.625	0.625	0.625	0.625	--	--	--	
		Nickel	0.5 - 5	5	5	0	0	0%	6.19	12.00	8.22	7.15	2.44	1.15	0.30	
		Selenium	0.5 - 5	5	1	4	4	80%	0.78	0.78	0.78	0.78	--	--	--	
		Silver	0.5 - 5	5	0	5	5	100%	--	--	--	--	--	--	--	
		Thallium	0.5 - 5	5	0	5	5	100%	--	--	--	--	--	--	--	
		Vanadium	0.5 - 5	5	5	0	0	0%	15.8	29.1	22.9	24	4.8	-0.4	0.2	
		Zinc	0.5 - 5	5	5	0	0	0%	20.1	151	52.2	27.8	55.6	2.2	1.1	
		Wilmington Recreation Center	Metals	Antimony	0 - 2.5	8	0	8	100%	--	--	--	--	--	--	--
				Arsenic	0 - 2.5	8	8	0	0%	0.3	2.1	1.35	1.35	0.64	-0.30	0.47
Barium	0 - 2.5			8	8	0	0	0%	31.9	91	58.24	56.00	16.58	0.70	0.29	
Beryllium	0 - 2.5			8	7	1	1	13%	0.2	0.3	0.23	0.20	0.05	1.23	0.21	
Cadmium	0 - 2.5			8	8	0	0	0%	0.2	1.0	0.49	0.30	0.36	0.82	0.73	
Chromium	0 - 2.5			8	8	0	0	0%	6.2	38.6	13.34	10.05	10.40	2.63	0.78	
Cobalt	0 - 2.5			8	8	0	0	0%	2.5	5.6	3.96	3.90	1.02	0.43	0.26	
Copper	0 - 2.5			8	8	0	0	0%	6.9	32.5	16.41	15.20	7.89	1.18	0.48	
Lead	0 - 2.5			8	6	2	2	25%	3.3	57.0	20.5	5.8	24.9	1.01	1.22	
Mercury	0 - 2.5			8	0	8	8	100%	--	--	--	--	--	--	--	
Molybdenum	0 - 2.5			8	0	8	8	100%	--	--	--	--	--	--	--	
Nickel	0 - 2.5			8	8	0	0	0%	4.10	16.40	9.50	8.85	4.46	0.64	0.47	
Selenium	0 - 2.5			8	0	8	8	100%	--	--	--	--	--	--	--	
Silver	0 - 2.5			8	0	8	8	100%	--	--	--	--	--	--	--	
Thallium	0 - 2.5	8	0	8	8	100%	--	--	--	--	--	--	--			
Vanadium	0 - 2.5	8	8	0	0	0%	10.50	28.80	18.19	17.80	5.72	0.68	0.32			
Zinc	0 - 2.5	8	8	0	0	0%	29.80	525.00	122.50	41.20	169.50	2.44	1.38			

**Notes:**

<sup>1</sup>Summary statistics based on detected samples

Units are in milligrams per kilogram (mg/kg); ft bgs = feet below ground surface; NDS = non-detects; SD = standard deviation; CV = coefficient of variation

**Table 3-1**  
**Summary of Outlier Evaluation based on Weight-of-Evidence Approach**  
Former Kast Property  
Carson, CA

Analyte	% NDS	3IR	Rosner Test <sup>1</sup>	Q-Q Plot	GOF Test	Suspect Outlier	Sample Location	Sample Depth (ft bgs)	WOE Outlier
Antimony	99%	--	--	--	--	--	--	--	None
Arsenic	2.9%	>9	127	127	No Discernible Distribution	127	Wilmington School	0	127
Barium	0%	>203	575	>267	No Discernible Distribution	>428	Banning Elementary School	0 and 0.5	428 and 525
Beryllium	17%	>0.6	0.8	None	No Discernible Distribution, close to LN	0.7 and 0.8	Banning Elementary School	0.5, 1 and 5	None
Cadmium	54%	>1	3.81	3.81	Lognormal	1.63, 1.8 and 3.81	Banning Park	0.5	None
Chromium	0%	>29.3	38.6	None	Lognormal	29.3, 36.5	Banning Elementary School	0.5	None
Cobalt	3.8%	>13.1	15.7	None	Lognormal	13.1, 13.5 and 15.7	Banning Elementary School	0.5, 5 and 1	None
Copper	0%	59	59	None	Lognormal or Gamma	59	Banning Park	0.5	None
Lead	5.7%	>43.3	112	112	No Discernible Distribution	None	--	--	None
Mercury	72%	0.324	0.324	None	No Discernible Distribution, close to LN	0.324	Banning Park	0.5	None
Molybdenum	85%	--	--	--	No Discernible Distribution, close to LN	--	--	--	None
Nickel	10%	>25.3	27.2	None	Lognormal	25.3 and 27.2	Banning Elementary School	5 and 1	None
Selenium	99%	--	--	--	--	--	--	--	None
Silver	92%	--	--	--	--	--	--	--	None
Thallium	100%	--	--	--	--	--	--	--	None
Vanadium	0%	None	None	None	Lognormal	None	--	--	None
Zinc	0%	>151	525	525	No Discernible Distribution, close to LN	525	Wilmington Recreation Center	0	525
BAP-TEQ	37%	0.179	0.179	0.179	No Discernible Distribution	0.179	Wilmington Middle School	0.5	None

Notes:

- None = no outliers identified
- ft bgs = feet below ground surface; NDS = non-detects
- = not applicable, or could not be determined due to significantly large % NDS
- <sup>1</sup> Result based on the Rosner outlier test at 1% significance level
- 3IR = Three Interquartile Range; GOF = Goodness of fit test; LN = Lognormal; WOE = Weight-of-Evidence



**Table 3-2**  
**Summary of Background Threshold Values**  
Former Kast Property  
Carson, CA

Analyte	Number of Samples	% NDs	Maximum Detected (mg/kg)	95%-tile 99% UTL (mg/kg)	BTV (mg/kg)	Southern California BTV (mg/kg)	Selected BTV (mg/kg)
Antimony	106	99%	0.741	0.74	0.74	--	0.74
Arsenic	105	2.9%	11.9	10.41	10.41	12	12
Barium	104	0%	267	195	195	--	195
Beryllium	106	17%	0.8	0.562	0.56	--	0.56
Cadmium	106	54%	3.81	3.81	3.81	--	3.81
Chromium	106	0%	38.6	32.54	32.54	--	32.54
Cobalt	106	3.8%	15.7	10.91	10.91	--	10.91
Copper	106	0%	59	64.62	59	--	59
Lead	106	5.7%	112	61.46	61.46	--	61.46
Mercury	106	72%	0.324	0.13	0.13	--	0.13
Molybdenum	106	85%	0.625	0.41	0.41	--	0.41
Nickel	106	10%	27.2	20.17	20.17	--	20.17
Selenium	106	99%	0.78	0.78	0.78	--	0.78
Silver	106	92%	1.29	2.32	1.29	--	1.29
Thallium	106	100%	N/A	0.23	0.23	--	0.23
Vanadium	106	0%	47.1	45.66	45.66	--	45.66
Zinc	105	0%	291	291	291	--	291
BAP TEQ	35	37%	0.179	0.10	0.10	0.90	0.90

**Notes:**

Values shown are based on background datasets after elimination of outliers

ND: Non-detects

UTL: Upper Tolerance Limit

BTV: Background Threshold Value

**Table 4-1**  
**Site-Wide Data Comparison to BTVs and RBSLs**  
 Former Kasl Property  
 Carson, CA

CAS Number	Analyte	Number of Samples	Number of Detects	Percent Detected	Maximum Detected Concentration	RBSLc x 0.1	RBSLnc x 0.1	BTV	Units	COC Selection Rationale <sup>1</sup>	COC to be Further Evaluated?
<b>Metals</b>											
7440-36-0	Antimony	10,300	1,899	18%	6.5E+00	--	3.1E+00	7.4E-01	mg/kg	RBSLnc, >BTV	Yes
7440-38-2	Arsenic	10,300	10,264	100%	6.3E+01	3.9E-02	2.2E+00	1.2E+01	mg/kg	RBSLc, RBSLnc, >BTV	Yes
7440-39-3	Barium	10,300	10,300	100%	1.0E+03	--	1.6E+03	2.0E+02	mg/kg	--	No
7440-41-7	Beryllium	10,300	10,272	100%	1.2E+00	1.2E+04	1.6E+01	5.6E-01	mg/kg	--	No
7440-43-9	Cadmium	10,300	2,741	27%	9.0E+00	6.7E+03	7.0E+00	3.8E+00	mg/kg	RBSLnc, >BTV	Yes
7440-47-3	Chromium	10,300	10,300	100%	7.4E+01	--	1.2E+04	3.3E+01	mg/kg	--	No
7440-48-4	Cobalt	10,300	10,300	100%	3.1E+01	3.1E+03	2.3E+00	1.1E+01	mg/kg	RBSLnc, >BTV	Yes
7440-50-8	Copper	10,300	10,300	100%	1.2E+03	--	3.1E+02	5.9E+01	mg/kg	RBSLnc, >BTV	Yes
7439-92-1	Lead	10,300	10,275	100%	1.3E+03	--	8.0E+00	6.2E+01	mg/kg	RBSLnc, >BTV	Yes
7439-97-6	Mercury	10,300	9,891	96%	1.3E+00	--	2.3E+00	1.3E-01	mg/kg	--	No
7439-98-7	Molybdenum	10,300	5,712	56%	2.4E+01	--	3.9E+01	4.1E-01	mg/kg	--	No
7440-02-0	Nickel	10,300	10,300	100%	4.3E+01	1.1E+05	1.6E+02	2.0E+01	mg/kg	--	No
7782-49-2	Selenium	10,300	589	6%	9.0E+00	--	3.9E+01	7.8E-01	mg/kg	--	No
7440-22-4	Silver	10,300	123	1%	3.8E+00	--	3.9E+01	1.3E+00	mg/kg	--	No
7440-28-0	Thallium	10,300	420	4%	3.5E+00	--	7.8E-02	2.3E-01	mg/kg	RBSLnc, >BTV	Yes
7440-62-2	Vanadium	10,300	10,300	100%	8.6E+01	--	5.5E+01	4.6E+01	mg/kg	RBSLnc, >BTV	Yes
7440-66-6	Zinc	10,300	10,300	100%	5.8E+03	--	2.3E+03	2.9E+02	mg/kg	RBSLnc, >BTV	Yes
<b>PAHs</b>											
50-32-8	BaP	10,375	7,359	71%	2.2E+01	1.6E-02	--	9.0E-01	mg/kg	RBSLc, >BTV	Yes

Notes:  
 -- not available or not applicable  
 COC: Constituent of Concern  
 BTV = Background threshold values developed for the Site (see Section 3 and Table 3-2)  
 RBSLc = risk-based screening level based on cancer effects; RBSLnc = based on noncancer effects  
 RBSLs were derived assuming potential residential exposures as part of the human health screening risk evaluation (HHSRE) process (Geosyntec, 2009, 2010, 2011).  
<sup>1</sup> COC when the maximum concentration exceeds both the 0.1 x Residential RBSL and the BTV. Selection criterion or criteria are listed in this column.

**Table 5-1.1**  
**Summary Descriptive Statistics for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	58%	0.23	1.14	0.615	0.55	0.269	0.71	0.437	Normal
24402 NEPTUNE AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24402 PANAMA AVE	127	94%	0.32	2.1	1.037	0.99	0.434	0.496	0.419	Lognormal
24402 RAVENNA AVE	40	3%	0.28	0.28	0.28	0.28	N/A	N/A	N/A	--
24403 NEPTUNE AVE	46	96%	0.36	1.99	1.089	1.035	0.41	0.158	0.376	Normal
24403 RAVENNA AVE	62	2%	0.62	0.62	0.62	0.62	N/A	N/A	N/A	--
24405 MARBELLA AVE	25	40%	0.36	1.1	0.595	0.58	0.207	1.665	0.348	Normal
24406 MARBELLA AVE	40	8%	0.4	0.8	0.573	0.52	0.205	1.09	0.358	Normal
24406 NEPTUNE AVE	28	32%	0.64	1.7	1.144	1.21	0.348	0.0299	0.304	Normal
24406 PANAMA AVE	23	17%	2.54	4.3	3.335	3.25	0.817	0.351	0.245	Normal
24406 RAVENNA AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24409 NEPTUNE AVE	24	38%	0.31	2.07	0.832	0.7	0.574	1.389	0.689	Normal
24409 RAVENNA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24410 PANAMA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24411 MARBELLA AVE	69	71%	0.6	3.58	1.753	1.73	0.7	0.334	0.399	Normal
24411 PANAMA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24412 MARBELLA AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24412 RAVENNA AVE	61	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24413 NEPTUNE AVE	24	46%	0.32	0.81	0.487	0.45	0.15	1.01	0.307	Normal
24413 RAVENNA AVE	28	79%	0.48	1.56	0.937	1.01	0.311	0.0995	0.331	Normal
24416 MARBELLA AVE	50	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24416 NEPTUNE AVE	21	5%	0.4	0.4	0.4	0.4	N/A	N/A	N/A	--
24416 PANAMA AVE	33	73%	0.62	2.26	1.296	1.35	0.445	0.229	0.343	Normal
24416 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24417 MARBELLA AVE	8	25%	2.02	2.19	2.105	2.105	0.12	N/A	0.0571	Normal
24417 PANAMA AVE	47	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24419 NEPTUNE AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24419 RAVENNA AVE	32	59%	0.34	1.55	0.945	0.95	0.31	-0.124	0.328	Normal
24420 PANAMA AVE	33	6%	0.37	0.63	0.5	0.5	0.184	N/A	0.368	Normal
24421 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24422 MARBELLA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24422 NEPTUNE AVE	36	72%	0.34	1.91	1.001	0.91	0.429	0.301	0.429	Normal
24422 RAVENNA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24423 MARBELLA AVE	13	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24423 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24423 RAVENNA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 MARBELLA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 NEPTUNE AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 PANAMA AVE	30	7%	0.95	1.05	1	1	0.0707	N/A	0.0707	Normal
24426 RAVENNA AVE	49	57%	0.55	2.4	1.121	0.98	0.445	1.027	0.397	Normal
24427 MARBELLA AVE	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24427 PANAMA AVE	38	3%	0.39	0.39	0.39	0.39	N/A	N/A	N/A	--
24429 NEPTUNE AVE	19	21%	0.36	1.98	0.918	0.665	0.723	1.748	0.788	Normal
24429 RAVENNA AVE	29	21%	0.25	0.48	0.368	0.37	0.0773	-0.161	0.21	Normal
24430 PANAMA AVE	30	10%	0.33	0.42	0.363	0.34	0.0493	1.652	0.136	Normal
24431 PANAMA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24432 MARBELLA AVE	67	18%	0.32	0.7	0.483	0.48	0.122	0.439	0.254	Normal
24433 MARBELLA AVE	27	4%	0.33	0.33	0.33	0.33	N/A	N/A	N/A	--
24436 PANAMA AVE	35	9%	0.32	0.77	0.577	0.64	0.232	-1.139	0.402	Normal
24502 MARBELLA AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 NEPTUNE AVE	58	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 PANAMA AVE	48	60%	0.4	3.35	1.238	1.22	0.65	1.308	0.525	Lognormal
24502 RAVENNA AVE	44	2%	1.1	1.1	1.1	1.1	N/A	N/A	N/A	--
24503 MARBELLA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.1**  
**Summary Descriptive Statistics for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	33%	0.36	1.75	0.935	0.865	0.405	0.537	0.434	Normal
24503 PANAMA AVE	28	11%	3.48	6.45	4.95	4.92	1.485	0.0909	0.3	Normal
24503 RAVENNA AVE	34	21%	0.21	1.16	0.594	0.49	0.345	0.885	0.58	Normal
24506 MARBELLA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24507 MARBELLA AVE	36	17%	0.31	1.44	0.757	0.59	0.471	0.72	0.623	Normal
24508 NEPTUNE AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 PANAMA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 RAVENNA AVE	39	8%	0.38	0.91	0.633	0.61	0.266	0.392	0.42	Normal
24509 NEPTUNE AVE	31	32%	0.28	0.55	0.406	0.4	0.0965	0.171	0.238	Normal
24509 PANAMA AVE	47	21%	0.38	0.74	0.545	0.51	0.138	0.325	0.254	Normal
24509 RAVENNA AVE	37	11%	0.35	0.84	0.568	0.54	0.203	0.791	0.357	Normal
24512 MARBELLA AVE	48	98%	0.3	0.79	0.546	0.54	0.114	-0.131	0.209	Normal
24512 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24512 PANAMA AVE	28	39%	0.41	0.83	0.528	0.52	0.12	1.594	0.227	Lognormal
24512 RAVENNA AVE	46	30%	0.6	1.24	0.94	1.01	0.219	-0.294	0.233	Normal
24513 NEPTUNE AVE	37	3%	1.49	1.49	1.49	1.49	N/A	N/A	N/A	--
24513 PANAMA AVE	51	41%	0.34	1.09	0.572	0.52	0.179	1.272	0.313	Normal
24513 RAVENNA AVE	30	80%	0.33	2.67	1.07	0.875	0.683	0.87	0.638	Lognormal
24516 MARBELLA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24517 MARBELLA AVE	12	67%	0.3	1.1	0.716	0.71	0.265	-0.109	0.371	Normal
24518 NEPTUNE AVE	45	44%	0.24	0.58	0.366	0.365	0.0955	0.792	0.261	Normal
24518 PANAMA AVE	42	19%	1.74	2.69	2.141	2.05	0.344	0.936	0.161	Normal
24518 RAVENNA AVE	30	57%	0.36	2.08	0.848	0.84	0.459	1.27	0.541	Normal
24519 NEPTUNE AVE	35	9%	0.38	0.88	0.603	0.55	0.254	0.902	0.421	Normal
24519 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 MARBELLA AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 NEPTUNE AVE	28	54%	0.29	1.1	0.429	0.37	0.202	2.965	0.469	--
24522 PANAMA AVE	36	53%	0.32	1	0.578	0.55	0.188	0.582	0.326	Normal
24522 RAVENNA AVE	35	11%	0.34	0.71	0.5	0.475	0.176	0.425	0.352	Normal
24523 MARBELLA AVE	45	60%	0.31	1.25	0.688	0.66	0.245	0.638	0.357	Normal
24523 NEPTUNE AVE	37	14%	0.34	1.12	0.672	0.58	0.29	0.89	0.431	Normal
24523 RAVENNA AVE	17	53%	0.4	1.74	0.783	0.68	0.432	1.569	0.551	Normal
24526 MARBELLA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24528 NEPTUNE AVE	31	23%	0.31	0.5	0.403	0.38	0.0709	0.63	0.176	Lognormal
24528 PANAMA AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24529 NEPTUNE AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24529 PANAMA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24529 RAVENNA AVE	26	4%	0.84	0.84	0.84	0.84	N/A	N/A	N/A	--
24532 MARBELLA AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24532 NEPTUNE AVE	21	19%	0.31	0.51	0.378	0.345	0.09	1.782	0.238	Normal
24532 PANAMA AVE	23	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24532 RAVENNA AVE	29	24%	0.44	2.09	1.224	1.09	0.634	0.186	0.518	Normal
24533 MARBELLA AVE	25	4%	0.57	0.57	0.57	0.57	N/A	N/A	N/A	--
24533 PANAMA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24533 RAVENNA AVE	52	4%	0.75	0.86	0.805	0.805	0.0778	N/A	0.0966	Normal
24602 MARBELLA AVE	34	62%	0.34	1.31	0.732	0.68	0.263	0.441	0.359	Normal
24602 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24602 PANAMA AVE	40	28%	0.49	1.49	0.9	0.93	0.281	0.414	0.312	Normal
24602 RAVENNA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24603 MARBELLA AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24603 NEPTUNE AVE	49	39%	0.35	1.08	0.67	0.74	0.181	0.158	0.271	Normal
24603 PANAMA AVE	30	20%	0.31	0.85	0.602	0.61	0.177	-0.489	0.295	Normal
24603 RAVENNA AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24606 MARBELLA AVE	63	33%	0.36	1.47	0.715	0.72	0.249	1.263	0.349	Normal

**Table 5-1.1**  
**Summary Descriptive Statistics for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	29%	0.31	1.16	0.7	0.67	0.341	0.26	0.488	Normal
24608 NEPTUNE AVE	37	51%	0.38	1.03	0.622	0.55	0.208	0.689	0.335	Normal
24608 PANAMA AVE	22	32%	0.29	1.1	0.46	0.32	0.291	2.349	0.632	--
24608 RAVENNA AVE	40	30%	0.34	1.64	0.768	0.65	0.38	1.249	0.495	Normal
24609 NEPTUNE AVE	30	57%	0.31	1.76	1.074	1.07	0.464	-0.136	0.432	Normal
24609 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24609 RAVENNA AVE	45	53%	0.32	0.94	0.551	0.495	0.199	0.474	0.361	Lognormal
24612 MARBELLA AVE	51	49%	0.25	2.41	0.605	0.55	0.42	3.496	0.695	Lognormal
24612 NEPTUNE AVE	47	38%	0.19	1.13	0.693	0.665	0.285	0.0231	0.411	Normal
24612 PANAMA AVE	33	45%	0.15	0.83	0.492	0.57	0.237	-0.115	0.481	Normal
24612 RAVENNA AVE	46	26%	0.31	2.21	0.622	0.405	0.543	2.696	0.874	--
24613 MARBELLA AVE	52	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24613 NEPTUNE AVE	39	62%	0.31	1.13	0.538	0.455	0.246	1.355	0.456	--
24613 PANAMA AVE	51	12%	0.35	0.69	0.498	0.48	0.119	0.652	0.239	Normal
24613 RAVENNA AVE	33	67%	0.34	1.41	0.625	0.615	0.227	1.918	0.363	Lognormal
24616 MARBELLA AVE	46	28%	0.31	1.73	0.724	0.58	0.491	1.405	0.678	Lognormal
24617 MARBELLA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24618 NEPTUNE AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24618 PANAMA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24618 RAVENNA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24619 NEPTUNE AVE	28	7%	0.33	0.35	0.34	0.34	0.0141	N/A	0.0416	Normal
24619 PANAMA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24619 RAVENNA AVE	35	23%	0.35	2.86	0.773	0.535	0.848	2.763	1.098	--
24622 MARBELLA AVE	53	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24622 NEPTUNE AVE	34	44%	0.29	0.56	0.397	0.37	0.0863	0.71	0.218	Normal
24623 MARBELLA AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24623 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24627 MARBELLA AVE	48	31%	0.59	3.23	1.585	1.03	0.946	0.494	0.597	Lognormal
24628 MARBELLA AVE	52	2%	0.67	0.67	0.67	0.67	N/A	N/A	N/A	--
24628 NEPTUNE AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24629 NEPTUNE AVE	39	41%	0.33	1.95	0.836	0.795	0.451	0.979	0.54	Normal
24632 NEPTUNE AVE	20	75%	0.39	1.97	0.897	0.77	0.485	1.119	0.54	Normal
24633 MARBELLA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24700 MARBELLA AVE	46	37%	0.31	1.52	0.707	0.54	0.396	1.349	0.561	Lognormal
24700 RAVENNA AVE	56	16%	0.32	1.28	0.542	0.4	0.297	2.315	0.548	Lognormal
24702 NEPTUNE AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24702 PANAMA AVE	30	10%	0.39	0.56	0.46	0.43	0.0889	1.346	0.193	Normal
24703 MARBELLA AVE	36	25%	0.25	0.57	0.358	0.33	0.113	0.851	0.316	Normal
24703 NEPTUNE AVE	39	10%	0.36	0.63	0.5	0.505	0.11	-0.27	0.221	Normal
24703 RAVENNA AVE	53	8%	0.4	0.87	0.665	0.695	0.22	-0.446	0.331	Normal
24706 MARBELLA AVE	43	40%	0.32	1.13	0.671	0.62	0.267	0.297	0.398	Normal
24706 RAVENNA AVE	33	6%	0.5	0.73	0.615	0.615	0.163	N/A	0.264	Normal
24707 MARBELLA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24708 PANAMA AVE	37	8%	0.74	2.27	1.26	0.77	0.875	1.73	0.694	Normal
24709 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24709 PANAMA AVE	43	5%	0.34	0.35	0.345	0.345	0.00707	N/A	0.0205	Normal
24709 RAVENNA AVE	52	2%	0.7	0.7	0.7	0.7	N/A	N/A	N/A	--
24710 MARBELLA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24712 NEPTUNE AVE	32	9%	0.64	1.3	0.887	0.72	0.36	1.636	0.406	Normal
24712 PANAMA AVE	27	4%	0.61	0.61	0.61	0.61	N/A	N/A	N/A	--
24712 RAVENNA AVE	45	33%	0.37	1.02	0.577	0.57	0.175	1.22	0.302	Normal
24713 MARBELLA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24713 PANAMA AVE	34	9%	0.32	0.75	0.57	0.64	0.223	-1.272	0.392	Normal
24713 RAVENNA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.1**  
**Summary Descriptive Statistics for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	27%	0.36	1.4	0.883	0.855	0.412	0.0125	0.466	Normal
24716 MARBELLA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24716 RAVENNA AVE	15	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24717 MARBELLA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24718 NEPTUNE AVE	65	63%	0.31	2.55	0.656	0.54	0.42	2.87	0.641	--
24718 PANAMA AVE	33	3%	0.47	0.47	0.47	0.47	N/A	N/A	N/A	--
24719 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24719 PANAMA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24719 RAVENNA AVE	45	29%	0.33	1.65	0.699	0.57	0.383	1.437	0.547	Lognormal
24722 MARBELLA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24722 NEPTUNE AVE	40	25%	0.23	0.39	0.31	0.32	0.0485	-0.233	0.157	Normal
24722 PANAMA AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24722 RAVENNA AVE	41	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24723 MARBELLA AVE	22	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24723 RAVENNA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24725 NEPTUNE AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24726 MARBELLA AVE	49	59%	0.32	2.66	0.991	0.8	0.648	1.314	0.654	Lognormal
24726 RAVENNA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24727 MARBELLA AVE	40	43%	0.28	0.96	0.458	0.4	0.165	1.989	0.361	Lognormal
24728 NEPTUNE AVE	33	3%	0.5	0.5	0.5	0.5	N/A	N/A	N/A	--
24728 PANAMA AVE	31	26%	0.37	0.96	0.641	0.645	0.24	0.133	0.374	Normal
24729 NEPTUNE AVE	35	6%	0.32	0.34	0.33	0.33	0.0141	N/A	0.0429	Normal
24729 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24729 RAVENNA AVE	16	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 MARBELLA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 NEPTUNE AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 PANAMA AVE	33	18%	0.23	0.66	0.35	0.285	0.166	1.682	0.475	Normal
24732 RAVENNA AVE	42	5%	0.7	1.32	1.01	1.01	0.438	N/A	0.434	Normal
24733 MARBELLA AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24733 PANAMA AVE	38	3%	0.42	0.42	0.42	0.42	N/A	N/A	N/A	--
24733 RAVENNA AVE	40	3%	0.41	0.41	0.41	0.41	N/A	N/A	N/A	--
24735 NEPTUNE AVE	36	31%	0.57	1.66	0.975	0.83	0.375	0.917	0.385	Normal
24736 MARBELLA AVE	52	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24736 RAVENNA AVE	43	19%	0.5	1	0.798	0.8	0.186	-0.403	0.233	Normal
24737 MARBELLA AVE	28	4%	0.32	0.32	0.32	0.32	N/A	N/A	N/A	--
24738 NEPTUNE AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24738 PANAMA AVE	32	75%	0.23	0.92	0.425	0.41	0.164	1.198	0.385	Normal
24739 NEPTUNE AVE	41	12%	0.37	0.61	0.482	0.49	0.111	-0.00936	0.23	Normal
24739 PANAMA AVE	43	28%	0.28	0.98	0.628	0.605	0.23	0.0492	0.366	Normal
24739 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24740 MARBELLA AVE	64	25%	0.33	0.5	0.406	0.39	0.0554	0.694	0.137	--
24741 MARBELLA AVE	12	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24743 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24744 MARBELLA AVE	25	44%	0.34	1.74	0.617	0.52	0.402	2.586	0.652	--
24748 RAVENNA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24749 RAVENNA AVE	43	79%	0.31	1.63	0.86	0.825	0.333	0.488	0.388	Normal
24752 RAVENNA AVE	45	2%	0.85	0.85	0.85	0.85	N/A	N/A	N/A	--
24802 PANAMA AVE	47	17%	0.54	0.85	0.706	0.71	0.114	-0.456	0.162	Normal
24803 NEPTUNE AVE	32	6%	0.42	0.7	0.56	0.56	0.198	N/A	0.354	Normal
24803 PANAMA AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24809 NEPTUNE AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24809 PANAMA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24812 PANAMA AVE	29	66%	0.27	1.21	0.634	0.58	0.27	0.773	0.427	Normal
24813 PANAMA AVE	15	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.1**  
**Summary Descriptive Statistics for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	63%	0.56	2.49	1.281	1.26	0.581	0.652	0.454	Normal
24818 PANAMA AVE	34	21%	0.33	0.93	0.616	0.54	0.214	0.357	0.347	Normal
24819 PANAMA AVE	34	3%	0.31	0.31	0.31	0.31	N/A	N/A	N/A	--
24822 PANAMA AVE	43	2%	0.34	0.34	0.34	0.34	N/A	N/A	N/A	--
24823 PANAMA AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24825 NEPTUNE AVE	98	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24828 PANAMA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24829 PANAMA AVE	48	15%	0.38	0.68	0.549	0.58	0.117	-0.821	0.214	Normal
24832 PANAMA AVE	38	26%	0.31	0.85	0.51	0.5	0.168	0.754	0.329	Normal
24833 PANAMA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24838 PANAMA AVE	28	29%	0.35	0.6	0.43	0.415	0.0795	1.494	0.185	Normal
24904 NEPTUNE AVE	74	26%	0.31	1.19	0.629	0.6	0.253	0.594	0.401	Normal
24912 NEPTUNE AVE	36	8%	0.33	0.45	0.407	0.44	0.0666	-1.688	0.164	Normal
301 244TH ST	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
305 244TH ST	54	2%	0.15	0.15	0.15	0.15	N/A	N/A	N/A	--
311 244TH ST	71	31%	0.39	1.09	0.643	0.63	0.213	0.733	0.331	Normal
317 244TH ST	58	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
321 244TH ST	40	25%	0.49	1.78	0.894	0.865	0.383	1.38	0.428	Normal
327 244TH ST	12	25%	0.32	0.91	0.57	0.48	0.305	1.212	0.535	Normal
331 244TH ST	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
337 244TH ST	34	88%	0.23	1.28	0.488	0.42	0.269	1.476	0.551	Lognormal
341 244TH ST	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
344 249TH ST	35	71%	0.37	1.05	0.668	0.67	0.171	0.229	0.256	Normal
345 249TH ST	93	9%	0.35	0.66	0.513	0.535	0.131	-0.21	0.256	Normal
347 244TH ST	32	25%	0.48	0.84	0.66	0.665	0.133	-0.0101	0.202	Normal
348 248TH ST	49	20%	0.32	0.75	0.471	0.47	0.137	0.797	0.291	Normal
348 249TH ST	51	6%	0.45	0.86	0.66	0.67	0.205	-0.219	0.311	Normal
351 244TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
352 249TH ST	32	28%	0.27	1.08	0.511	0.45	0.249	1.779	0.487	Lognormal
353 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
354 248TH ST	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
357 244TH ST	40	35%	0.34	1.24	0.634	0.565	0.291	0.821	0.459	Normal
357 249TH ST	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
358 249TH ST	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
360 248TH ST	48	4%	0.71	0.71	0.71	0.71	0	N/A	0	--
361 244TH ST	23	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
362 249TH ST	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
363 249TH ST	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
364 248TH ST	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
367 244TH ST	13	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
367 249TH ST	46	28%	0.28	1.11	0.385	0.32	0.22	3.463	0.572	--
368 249TH ST	55	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
373 249TH ST	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
374 248TH ST	120	33%	0.31	1.21	0.606	0.585	0.232	0.877	0.383	Lognormal
374 249TH ST	27	33%	0.31	1.05	0.563	0.4	0.263	0.782	0.467	Normal
377 244TH ST	32	16%	0.36	0.64	0.484	0.48	0.115	0.369	0.238	Normal
377 249TH ST	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
378 249TH ST	41	51%	0.32	0.82	0.599	0.62	0.163	-0.196	0.273	Normal
383 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
402 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
408 249TH ST	24	4%	0.31	0.31	0.31	0.31	N/A	N/A	N/A	--
412 249TH ST	77	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.2**  
**Summary Descriptive Statistics for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	100%	1.48	29.2	5.81	4.3	5.019	3.682	0.864	--
24402 NEPTUNE AVE	48	100%	4.13	15.6	6.853	6.445	2.055	1.852	0.3	Lognormal
24402 PANAMA AVE	127	100%	0.83	27.9	5.776	4.61	3.722	2.797	0.644	--
24402 RAVENNA AVE	40	100%	3.39	25	7.062	5.87	4.168	2.852	0.59	--
24403 NEPTUNE AVE	46	100%	4.03	18.7	8.855	7.83	3.775	1.145	0.426	Lognormal
24403 RAVENNA AVE	62	100%	2.93	13.9	6.752	6.79	2.135	0.59	0.316	Normal
24405 MARBELLA AVE	25	100%	2.24	26.9	6.44	4.76	5.274	3.171	0.819	--
24406 MARBELLA AVE	40	100%	2.91	12.7	6.279	5.825	2.28	1.015	0.363	Lognormal
24406 NEPTUNE AVE	28	100%	2	10.4	5.909	5.445	2.167	0.692	0.367	Lognormal
24406 PANAMA AVE	23	100%	0.77	5.78	3.9	3.67	1.228	-0.329	0.315	Normal
24406 RAVENNA AVE	26	100%	3.2	10	5.376	5.055	1.471	1.269	0.274	Lognormal
24409 NEPTUNE AVE	24	100%	2.96	13.8	5.923	5.415	2.386	1.609	0.403	Lognormal
24409 RAVENNA AVE	33	100%	4.64	16.3	6.988	6.3	2.347	2.391	0.336	--
24410 PANAMA AVE	33	100%	1.02	5.69	3.109	3.12	1.207	0.123	0.388	Normal
24411 MARBELLA AVE	69	99%	1.06	18	4.948	4.47	2.682	2.057	0.542	--
24411 PANAMA AVE	37	100%	3.38	43.6	8.601	6.64	6.763	4.167	0.786	--
24412 MARBELLA AVE	31	100%	0.63	14.9	4.62	3.97	2.756	1.856	0.597	Lognormal
24412 RAVENNA AVE	61	100%	3.48	21.1	7.17	6.92	2.538	2.802	0.354	Lognormal
24413 NEPTUNE AVE	24	100%	1.14	14.8	3.789	3.055	2.895	2.74	0.764	Lognormal
24413 RAVENNA AVE	28	100%	2.84	11.9	6.358	6.3	2.095	0.915	0.329	Normal
24416 MARBELLA AVE	50	100%	2.33	21.2	6.198	5.37	3.497	2.139	0.564	Lognormal
24416 NEPTUNE AVE	21	100%	2.82	8.76	5.464	5.76	1.575	0.0478	0.288	Normal
24416 PANAMA AVE	33	100%	1.28	6.16	2.873	2.52	1.14	1.512	0.397	Lognormal
24416 RAVENNA AVE	42	100%	1.31	7.74	4.447	4.215	1.552	0.314	0.349	Normal
24417 MARBELLA AVE	8	100%	6.44	24.6	13.3	11.13	6.595	0.792	0.496	Normal
24417 PANAMA AVE	47	100%	0.59	11.1	2.88	2.45	1.803	2.409	0.626	Lognormal
24419 NEPTUNE AVE	32	100%	3.6	19.9	6.686	6.105	3.037	2.978	0.454	--
24419 RAVENNA AVE	32	100%	1.45	8.57	5.529	5.98	1.727	-0.467	0.312	Normal
24420 PANAMA AVE	33	100%	1.43	9.05	4.037	3.86	1.61	1.133	0.399	Normal
24421 PANAMA AVE	30	97%	1.02	12.2	3.349	2.86	2.29	2.379	0.684	Lognormal
24422 MARBELLA AVE	43	100%	1.51	9.62	5.006	4.83	1.994	0.337	0.398	Normal
24422 NEPTUNE AVE	36	100%	3.34	10.9	5.926	6.15	1.534	0.678	0.259	Normal
24422 RAVENNA AVE	29	100%	4.04	7.43	5.549	5.49	1.027	0.292	0.185	Normal
24423 MARBELLA AVE	13	100%	4.77	28.3	10.36	8.41	6.172	2.37	0.596	Lognormal
24423 NEPTUNE AVE	37	100%	2.3	10.3	4.989	4.58	1.682	1.52	0.337	Lognormal
24423 RAVENNA AVE	40	100%	1.77	8.01	4.065	3.76	1.468	1.038	0.361	Lognormal
24426 MARBELLA AVE	24	100%	2.29	9.78	5.81	5.89	1.965	0.0109	0.338	Normal
24426 NEPTUNE AVE	30	100%	3.18	8.98	5.425	5.14	1.54	0.596	0.284	Normal
24426 PANAMA AVE	30	100%	1.5	6.27	3.472	2.905	1.524	0.595	0.439	Lognormal
24426 RAVENNA AVE	49	100%	2.9	13.8	6.437	6.43	1.791	1.379	0.278	--
24427 MARBELLA AVE	25	100%	2.78	13.6	6.867	6.78	2.4	0.767	0.349	Normal
24427 PANAMA AVE	38	100%	4.26	11	6.771	6.75	1.455	0.726	0.215	Normal
24429 NEPTUNE AVE	19	100%	2.06	10.7	4.909	4.64	2.308	1.079	0.47	Normal
24429 RAVENNA AVE	29	100%	2.87	7.39	4.284	3.98	1.12	1.204	0.261	Lognormal
24430 PANAMA AVE	30	100%	2.49	9.26	5.081	4.625	1.669	0.757	0.328	Normal
24431 PANAMA AVE	35	100%	3.21	21.8	6.009	5.22	3.062	4.246	0.51	--
24432 MARBELLA AVE	67	100%	0.92	16.4	4.621	3.92	2.896	1.752	0.627	Lognormal
24433 MARBELLA AVE	27	100%	2.34	10.1	5.88	5.62	1.963	0.0983	0.334	Normal
24436 PANAMA AVE	35	100%	2.52	6.59	4.398	4.48	1.222	0.102	0.278	--
24502 MARBELLA AVE	51	100%	2.22	16.9	5.62	5.11	2.678	1.87	0.476	Lognormal
24502 NEPTUNE AVE	58	100%	2.44	7.68	4.322	4.28	0.934	0.563	0.216	Normal
24502 PANAMA AVE	48	94%	0.56	6.85	3.553	3.5	1.506	0.309	0.424	Normal
24502 RAVENNA AVE	44	100%	1.73	8.79	3.412	2.935	1.481	1.647	0.434	--
24503 MARBELLA AVE	29	100%	3.34	9.4	6.445	6.63	1.502	-0.0569	0.233	Normal



**Table 5-1.2**  
**Summary Descriptive Statistics for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	100%	2.15	35.5	6.861	5.76	4.474	4.655	0.652	--
24503 PANAMA AVE	28	100%	2.93	10.1	5.854	5.38	1.761	0.761	0.301	Normal
24503 RAVENNA AVE	34	100%	2.13	11.3	4.389	4.155	1.71	2.112	0.39	Lognormal
24506 MARBELLA AVE	36	100%	3.19	28.8	8.536	7.155	4.692	2.511	0.55	Lognormal
24507 MARBELLA AVE	36	100%	5.39	12.4	7.991	7.56	1.73	0.535	0.216	Normal
24508 NEPTUNE AVE	40	100%	3.45	14.8	7.1	6.35	2.638	1.265	0.372	Lognormal
24508 PANAMA AVE	24	100%	1.15	6.58	4.364	4.685	1.516	-0.808	0.347	Normal
24508 RAVENNA AVE	39	100%	2.31	9.6	5.451	4.87	2.112	0.613	0.388	Lognormal
24509 NEPTUNE AVE	31	100%	1.46	15.2	6.012	5.58	3.012	1.113	0.501	Normal
24509 PANAMA AVE	47	100%	0.58	12.1	3.083	2.4	2.236	2.144	0.725	Lognormal
24509 RAVENNA AVE	37	100%	3.67	14	7.355	7.01	2.587	0.538	0.352	Normal
24512 MARBELLA AVE	48	100%	1.73	18.7	7.489	7.415	3.464	0.722	0.463	Normal
24512 NEPTUNE AVE	36	100%	2.43	14.8	6.512	5.165	3.288	0.992	0.505	Lognormal
24512 PANAMA AVE	28	100%	0.89	6.15	3.216	3.495	1.446	0.212	0.45	Normal
24512 RAVENNA AVE	46	100%	2.42	20	6.507	5.565	3.292	1.822	0.506	Lognormal
24513 NEPTUNE AVE	37	100%	2.25	14.4	6.352	5.89	2.755	0.909	0.434	Normal
24513 PANAMA AVE	51	100%	1.75	37.9	6.332	5.35	5.189	4.791	0.82	Lognormal
24513 RAVENNA AVE	30	100%	2.18	12.8	6.624	5.99	2.904	0.64	0.438	Normal
24516 MARBELLA AVE	30	100%	2.75	17.8	8.083	7.83	3.55	1.214	0.439	Lognormal
24517 MARBELLA AVE	12	100%	3.22	7.9	5.684	5.38	1.327	0.247	0.233	Normal
24518 NEPTUNE AVE	45	100%	1.68	17.3	5.724	4.86	3.56	1.134	0.622	Lognormal
24518 PANAMA AVE	42	100%	1.58	6.81	4.039	3.985	1.307	0.235	0.324	Normal
24518 RAVENNA AVE	30	100%	2.33	26.8	8.007	6.375	5.358	2.013	0.669	Lognormal
24519 NEPTUNE AVE	35	100%	2.28	11.3	6.415	6.08	2.676	0.312	0.417	Lognormal
24519 PANAMA AVE	30	100%	1.56	9.25	3.618	2.76	2.024	1.425	0.559	--
24522 MARBELLA AVE	27	100%	1.3	19	8.431	7.49	4.88	0.364	0.579	Normal
24522 NEPTUNE AVE	28	100%	2.14	19.8	7.041	5.58	4.163	1.286	0.591	Lognormal
24522 PANAMA AVE	36	100%	1.53	8.92	3.965	3.48	1.571	1.273	0.396	Lognormal
24522 RAVENNA AVE	35	100%	0.87	13.7	3.357	2.61	2.492	2.417	0.742	Lognormal
24523 MARBELLA AVE	45	100%	1.55	12	5.737	5.54	1.852	0.731	0.323	Normal
24523 NEPTUNE AVE	37	100%	2.25	21.9	7.933	6.75	4.395	1.515	0.554	Lognormal
24523 RAVENNA AVE	17	100%	3.05	9.48	5.483	4.8	1.969	0.801	0.359	Normal
24526 MARBELLA AVE	36	100%	2.1	26.2	6.266	5.505	4.272	3.088	0.682	Lognormal
24528 NEPTUNE AVE	31	100%	0.41	15.8	2.763	1.94	3.274	3.11	1.185	Lognormal
24528 PANAMA AVE	39	100%	0.48	5.8	2.23	1.85	1.096	1.379	0.492	Lognormal
24529 NEPTUNE AVE	32	100%	2.4	11.3	5.307	4.62	2.205	1.236	0.415	Lognormal
24529 PANAMA AVE	24	100%	2.45	6.01	4.152	3.93	1.029	0.201	0.248	Normal
24529 RAVENNA AVE	26	100%	2.83	9.29	5.206	4.715	1.998	0.714	0.384	Lognormal
24532 MARBELLA AVE	27	100%	2.19	16.1	5.303	4.64	2.898	2.823	0.547	--
24532 NEPTUNE AVE	21	100%	1.15	7.66	3.564	3.01	1.706	0.964	0.479	Normal
24532 PANAMA AVE	23	100%	2.36	11.2	5.058	4.19	2.432	1.401	0.481	Lognormal
24532 RAVENNA AVE	29	100%	1.75	6.51	3.859	3.5	1.256	0.487	0.325	Normal
24533 MARBELLA AVE	25	100%	4.15	11	7.285	7.11	1.649	0.373	0.226	Normal
24533 PANAMA AVE	29	100%	3.15	8.4	5.364	5.17	1.414	0.657	0.264	Normal
24533 RAVENNA AVE	52	100%	0.53	4.57	2.81	2.915	0.895	-0.269	0.319	Normal
24602 MARBELLA AVE	34	100%	0.46	16	4.176	3.245	3.493	1.947	0.836	Lognormal
24602 NEPTUNE AVE	33	100%	0.92	3.86	2.119	1.91	0.93	0.475	0.439	Lognormal
24602 PANAMA AVE	40	100%	1.24	15	4.093	2.98	3.277	2.229	0.801	--
24602 RAVENNA AVE	28	100%	3.2	9.3	5.453	5.16	1.714	0.681	0.314	Normal
24603 MARBELLA AVE	26	100%	2.87	12.3	6.214	5.59	2.396	1.614	0.386	--
24603 NEPTUNE AVE	49	100%	0.53	8.62	3.412	2.93	2.397	0.853	0.703	Lognormal
24603 PANAMA AVE	30	100%	2.36	8.04	4.837	4.795	1.297	0.67	0.268	Normal
24603 RAVENNA AVE	31	100%	2.17	6.02	3.779	3.68	0.961	0.368	0.254	Normal
24606 MARBELLA AVE	63	100%	1.92	11	5.461	5.36	2.071	0.49	0.379	Normal

**Table 5-1.2**  
**Summary Descriptive Statistics for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	100%	0.58	21.1	5.345	4.75	3.418	3.368	0.639	--
24608 NEPTUNE AVE	37	100%	1.94	6.98	4.384	4.53	1.282	0.0622	0.293	Normal
24608 PANAMA AVE	22	100%	2.11	11.2	4.583	4.625	1.888	2.005	0.412	Lognormal
24608 RAVENNA AVE	40	100%	1.58	14.7	4.017	3.605	2.122	3.428	0.528	Lognormal
24609 NEPTUNE AVE	30	100%	1.81	15.5	6.724	6.255	3.61	0.912	0.537	Lognormal
24609 PANAMA AVE	34	100%	0.4	14.3	4.95	4.215	2.871	1.243	0.58	Lognormal
24609 RAVENNA AVE	45	100%	1.42	5.51	2.86	2.55	1.053	0.632	0.368	Lognormal
24612 MARBELLA AVE	51	100%	2.1	14.8	5.258	4.71	2.51	2.236	0.477	Lognormal
24612 NEPTUNE AVE	47	100%	2.04	9.42	4.786	4.5	1.522	1.181	0.318	Lognormal
24612 PANAMA AVE	33	100%	1.78	10.2	4.025	3.09	2.359	1.556	0.586	--
24612 RAVENNA AVE	46	100%	2.24	15.6	6.023	4.73	3.096	1.201	0.514	Lognormal
24613 MARBELLA AVE	52	100%	3.22	35.4	9.803	7.77	6.246	2.331	0.637	--
24613 NEPTUNE AVE	39	100%	2.41	15.2	6.901	5.89	3.532	0.782	0.512	Lognormal
24613 PANAMA AVE	51	100%	1.56	14.8	5.509	4.64	2.607	1.31	0.473	Lognormal
24613 RAVENNA AVE	33	100%	1.32	8.26	3.705	3.57	1.639	1.016	0.442	Lognormal
24616 MARBELLA AVE	46	100%	2.24	32.2	6.947	5.035	6.089	2.734	0.877	--
24617 MARBELLA AVE	34	100%	2.69	17.2	8.529	7.72	3.333	0.482	0.391	Normal
24618 NEPTUNE AVE	26	100%	2.69	8.68	4.911	4.61	1.603	0.877	0.326	Normal
24618 PANAMA AVE	28	100%	1.58	18.2	4.026	3.115	3.248	3.312	0.807	Lognormal
24618 RAVENNA AVE	40	100%	1.81	15.1	4.787	4.22	2.632	1.764	0.55	Lognormal
24619 NEPTUNE AVE	28	100%	3.58	14.2	7.708	7.19	3.327	0.387	0.432	Lognormal
24619 PANAMA AVE	38	100%	1.19	15	3.919	3.375	2.547	2.58	0.65	Lognormal
24619 RAVENNA AVE	35	100%	1.55	8.63	3.517	3.15	1.565	0.971	0.445	Normal
24622 MARBELLA AVE	53	100%	0.54	28.4	7.661	6.29	4.927	2.286	0.643	--
24622 NEPTUNE AVE	34	100%	2.41	13.2	4.764	4.02	2.539	1.942	0.533	--
24623 MARBELLA AVE	32	100%	3.01	25.8	7.075	5.66	4.632	2.717	0.655	--
24623 NEPTUNE AVE	36	100%	4.28	16	8.68	8.065	3.1	0.433	0.357	Normal
24627 MARBELLA AVE	48	100%	2.02	20.5	6.605	5.475	3.511	1.75	0.532	Lognormal
24628 MARBELLA AVE	52	100%	2.4	25.6	7.353	5.94	4.495	1.882	0.611	--
24628 NEPTUNE AVE	18	100%	0.44	5.85	2.093	1.695	1.397	1.491	0.668	Lognormal
24629 NEPTUNE AVE	39	100%	3.63	13	7.941	7.89	2.53	0.0837	0.319	Normal
24632 NEPTUNE AVE	20	100%	2.44	11.2	5.376	4.6	2.338	1.345	0.435	Lognormal
24633 MARBELLA AVE	40	100%	3.1	27.7	7.584	6.59	4.379	2.908	0.577	Lognormal
24700 MARBELLA AVE	46	100%	1.86	16.2	6.607	6.35	2.283	1.726	0.345	--
24700 RAVENNA AVE	56	100%	2.18	11.7	5.102	4.37	2.32	0.836	0.455	--
24702 NEPTUNE AVE	46	100%	0.84	7.49	2.476	1.905	1.561	2.005	0.63	--
24702 PANAMA AVE	30	100%	2.32	13.4	6.025	5.475	2.274	1.26	0.378	Normal
24703 MARBELLA AVE	36	100%	2.33	12.8	5.411	4.645	2.366	1.722	0.437	--
24703 NEPTUNE AVE	39	100%	1.01	10.9	4.553	4.41	2.938	0.558	0.645	--
24703 RAVENNA AVE	53	100%	0.88	9.93	3.148	2.36	2.04	1.944	0.648	--
24706 MARBELLA AVE	43	100%	2.89	11.5	5.653	5.53	1.92	0.947	0.34	Normal
24706 RAVENNA AVE	33	100%	2.12	13.6	4.941	4.08	2.667	1.783	0.54	Lognormal
24707 MARBELLA AVE	37	100%	3.28	11.2	6.092	5.82	1.737	0.945	0.285	Normal
24708 PANAMA AVE	37	100%	1.59	12.1	5.194	5.02	2.585	1.025	0.498	--
24709 NEPTUNE AVE	37	100%	2.75	16.8	6.665	5.73	2.951	1.529	0.443	Lognormal
24709 PANAMA AVE	43	100%	1.49	11.4	4.291	3.73	2.082	1.414	0.485	Lognormal
24709 RAVENNA AVE	52	100%	1.84	11.5	4.351	4.415	1.455	2.167	0.334	--
24710 MARBELLA AVE	43	100%	2.04	9.01	5.072	4.76	1.734	0.629	0.342	Normal
24712 NEPTUNE AVE	32	100%	1.42	11.5	4.733	4.18	2.226	1.734	0.47	--
24712 PANAMA AVE	27	100%	1.83	7.33	4.734	4.96	1.343	-0.33	0.284	Normal
24712 RAVENNA AVE	45	100%	2.23	8.7	5.058	4.71	1.481	0.56	0.293	Normal
24713 MARBELLA AVE	37	100%	3.37	9.79	5.407	5.09	1.552	0.967	0.287	Lognormal
24713 PANAMA AVE	34	100%	2.3	16.5	5.969	5.3	2.919	2.057	0.489	Lognormal
24713 RAVENNA AVE	35	100%	1.31	6.31	3.57	3.54	1.422	0.119	0.398	Normal

**Table 5-1.2**  
**Summary Descriptive Statistics for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	2.78	16.7	6.627	6.37	3.388	1.237	0.511	Lognormal
24716 MARBELLA AVE	30	100%	4.3	11.2	6.711	6.475	1.474	1.15	0.22	Normal
24716 RAVENNA AVE	15	100%	2.04	10.5	3.87	3.18	2.078	2.565	0.537	Lognormal
24717 MARBELLA AVE	38	100%	2.85	10.7	4.93	4.72	1.582	1.613	0.321	Lognormal
24718 NEPTUNE AVE	65	100%	1.02	7.88	3.262	3.14	1.725	0.887	0.529	--
24718 PANAMA AVE	33	100%	2.1	11.7	4.978	4.8	1.86	1.543	0.374	Lognormal
24719 NEPTUNE AVE	33	100%	2.32	8.64	5.502	5.57	1.642	0.0315	0.298	Normal
24719 PANAMA AVE	28	100%	3.09	13.6	5.558	5.015	2.122	2.249	0.382	Lognormal
24719 RAVENNA AVE	45	100%	1.35	9.28	3.981	4.03	1.689	0.612	0.424	Normal
24722 MARBELLA AVE	34	100%	2.4	6.6	4.396	4.365	1.156	0.0393	0.263	Normal
24722 NEPTUNE AVE	40	100%	1.06	5.46	2.45	2.305	1.064	0.917	0.434	Lognormal
24722 PANAMA AVE	18	100%	2.36	6.56	4.596	4.715	1.418	-0.297	0.309	Normal
24722 RAVENNA AVE	41	100%	2	8.6	3.505	3.2	1.303	1.719	0.372	Lognormal
24723 MARBELLA AVE	22	100%	1.52	5.79	3.301	3.48	0.96	0.272	0.291	Normal
24723 RAVENNA AVE	37	95%	0.41	4.42	1.761	1.69	1.084	0.439	0.616	--
24725 NEPTUNE AVE	35	100%	2.07	6.63	4.247	4.01	1.238	0.228	0.291	Normal
24726 MARBELLA AVE	49	100%	4.23	11.4	6.76	6.45	1.458	0.65	0.216	Normal
24726 RAVENNA AVE	37	100%	1.17	5.68	2.992	3.14	1.318	0.131	0.44	--
24727 MARBELLA AVE	40	100%	2.47	8.17	4.635	4.41	1.34	0.669	0.289	Normal
24728 NEPTUNE AVE	33	100%	1.18	4.76	2.651	2.58	1.121	0.46	0.423	Normal
24728 PANAMA AVE	31	100%	1.43	10.8	3.956	4.1	1.965	1.243	0.497	--
24729 NEPTUNE AVE	35	100%	2.32	6.3	4.015	3.91	1.147	0.27	0.286	Normal
24729 PANAMA AVE	34	100%	1.78	8.85	3.853	3.41	1.735	0.994	0.45	Lognormal
24729 RAVENNA AVE	16	100%	1.53	6.51	3.469	2.685	1.692	0.872	0.488	Lognormal
24732 MARBELLA AVE	37	100%	0.66	9.03	5.213	5.58	1.704	-0.414	0.327	Normal
24732 NEPTUNE AVE	35	100%	1.12	4.68	2.626	2.54	1.095	0.466	0.417	Normal
24732 PANAMA AVE	33	100%	1.34	6	3.621	3.75	1.338	-0.0894	0.369	Normal
24732 RAVENNA AVE	42	93%	0.41	5.82	1.843	1.84	1.129	1.366	0.613	Lognormal
24733 MARBELLA AVE	32	100%	2.76	8.98	4.965	4.775	1.385	0.914	0.279	Normal
24733 PANAMA AVE	38	100%	1.89	6.64	4.099	4.27	1.529	0.00864	0.373	--
24733 RAVENNA AVE	40	100%	1.6	5.06	3.026	2.715	1.015	0.697	0.335	Lognormal
24735 NEPTUNE AVE	36	100%	0.95	4.92	2.568	2.395	1.137	0.463	0.443	Lognormal
24736 MARBELLA AVE	52	100%	1.33	8.55	4.282	4.18	1.615	0.509	0.377	Normal
24736 RAVENNA AVE	43	100%	1.56	5.62	3.491	3.51	0.938	0.356	0.269	Normal
24737 MARBELLA AVE	28	100%	1.71	6.3	3.663	3.835	1.267	0.127	0.346	Normal
24738 NEPTUNE AVE	51	100%	1.52	5.76	3.131	2.97	1.185	0.615	0.379	Lognormal
24738 PANAMA AVE	32	100%	0.84	4.61	2.606	2.545	1.093	0.315	0.419	Normal
24739 NEPTUNE AVE	41	100%	0.65	7.14	2.64	2.34	1.551	1.062	0.588	Lognormal
24739 PANAMA AVE	43	100%	0.93	9.32	3.195	3.01	1.62	1.375	0.507	Normal
24739 RAVENNA AVE	42	98%	0.49	4.09	1.633	1.71	0.879	0.487	0.539	--
24740 MARBELLA AVE	64	100%	2.07	10.8	4.594	4.51	1.418	1.27	0.309	Normal
24741 MARBELLA AVE	12	100%	2.77	5.39	4.378	4.42	0.747	-0.77	0.171	Normal
24743 RAVENNA AVE	42	100%	0.62	4.3	2.217	2.18	1.092	0.293	0.493	Normal
24744 MARBELLA AVE	25	100%	1.71	5.81	3.609	3.43	1.165	0.4	0.323	Normal
24748 RAVENNA AVE	24	100%	3.31	6.9	4.891	4.77	0.96	0.266	0.196	Normal
24749 RAVENNA AVE	43	100%	1.52	6.22	2.768	2.77	0.794	1.956	0.287	Lognormal
24752 RAVENNA AVE	45	100%	1.86	5.5	3.376	3.22	0.746	0.419	0.221	Normal
24802 PANAMA AVE	47	100%	1.26	5.33	3.246	3.22	1.19	-0.127	0.367	--
24803 NEPTUNE AVE	32	100%	1.17	6.7	2.569	2.26	1.284	1.428	0.5	Lognormal
24803 PANAMA AVE	18	100%	1.48	5.03	2.726	2.67	1.071	0.516	0.393	Normal
24809 NEPTUNE AVE	27	100%	0.62	3.01	1.403	1.14	0.693	1.107	0.494	Lognormal
24809 PANAMA AVE	36	100%	1.47	6.83	2.749	2.41	1.163	1.539	0.423	Lognormal
24812 PANAMA AVE	29	100%	0.58	3.54	2.047	2.29	0.926	-0.0313	0.452	--
24813 PANAMA AVE	15	100%	1.06	4.47	2.732	2.33	1.123	0.246	0.411	Normal

**Table 5-1.2**  
**Summary Descriptive Statistics for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	100%	1.16	5.2	2.604	2.32	1.094	0.671	0.42	Normal
24818 PANAMA AVE	34	100%	0.92	4.33	2.487	2.645	1.022	-0.0437	0.411	--
24819 PANAMA AVE	34	100%	2.63	6.01	3.99	3.945	0.929	0.684	0.233	Lognormal
24822 PANAMA AVE	43	100%	1.72	5.75	3.369	3.54	1.318	0.253	0.391	--
24823 PANAMA AVE	39	100%	2.27	5.9	3.832	3.97	0.866	-0.00239	0.226	Normal
24825 NEPTUNE AVE	98	100%	1.47	6.45	3.425	3.2	1.139	0.413	0.332	--
24828 PANAMA AVE	36	100%	0.55	3.77	1.877	1.94	0.91	0.182	0.485	Normal
24829 PANAMA AVE	48	100%	0.89	8.67	2.318	2.215	1.136	3.838	0.49	Lognormal
24832 PANAMA AVE	38	97%	0.54	3.9	1.727	1.53	0.82	0.779	0.475	Normal
24833 PANAMA AVE	43	100%	0.58	3.8	1.725	1.69	0.762	0.634	0.442	Normal
24838 PANAMA AVE	28	100%	1.54	7.23	4.068	4.17	1.596	0.272	0.392	Normal
24904 NEPTUNE AVE	74	100%	1.54	6.59	4.054	4.115	0.922	0.169	0.228	Normal
24912 NEPTUNE AVE	36	100%	1.61	6.07	3.427	2.965	1.315	0.711	0.384	--
301 244TH ST	29	83%	0.48	14	3.263	2.025	3.487	2.091	1.069	Lognormal
305 244TH ST	54	100%	1.91	28.2	8.046	6.97	5.174	2.091	0.643	Lognormal
311 244TH ST	71	100%	0.75	39.6	7.078	6.82	4.825	4.521	0.682	--
317 244TH ST	58	100%	0.89	20.2	7.549	7.59	3.708	1.109	0.491	--
321 244TH ST	40	100%	3.44	50.9	8.714	6.715	7.741	4.42	0.888	--
327 244TH ST	12	100%	2.32	10.9	5.581	5.31	2.52	0.804	0.452	Normal
331 244TH ST	28	100%	1.95	62.9	11.65	7.05	13.13	2.944	1.127	--
337 244TH ST	34	100%	2.59	19.3	7.901	6.67	4.164	1.055	0.527	Lognormal
341 244TH ST	48	100%	5.12	19.3	8.239	7.53	2.563	1.923	0.311	Lognormal
344 249TH ST	35	100%	1.13	4.73	2.755	2.57	1.21	0.302	0.439	--
345 249TH ST	93	100%	1.01	5.99	3.201	3.04	1.053	0.157	0.329	Normal
347 244TH ST	32	100%	4.48	14.2	7.07	6.795	1.865	1.755	0.264	Lognormal
348 248TH ST	49	100%	1.01	5.58	2.644	2.4	1.21	0.664	0.457	Lognormal
348 249TH ST	51	98%	0.95	6.55	3.27	3.135	1.474	0.472	0.451	Normal
351 244TH ST	32	100%	3.03	8.58	5.286	5.25	1.198	0.681	0.227	Normal
352 249TH ST	32	100%	1.28	4.32	2.8	2.865	0.87	-0.0117	0.311	Normal
353 249TH ST	32	100%	2.18	11.1	5.098	4.875	1.909	0.95	0.375	Normal
354 248TH ST	39	100%	1.72	6.21	3.225	2.86	1.235	0.934	0.383	--
357 244TH ST	40	100%	3.86	9.56	6.291	6.425	1.377	0.459	0.219	Normal
357 249TH ST	24	100%	2.05	6.17	4.043	4.03	1.141	0.0925	0.282	Normal
358 249TH ST	43	98%	0.41	4.93	2.239	2.135	1.134	0.433	0.507	Normal
360 248TH ST	48	100%	2.77	8.26	5.189	5.08	1.194	0.271	0.23	Normal
361 244TH ST	23	100%	3.46	9.84	5.449	5.46	1.57	0.936	0.288	Normal
362 249TH ST	25	100%	1.16	5.67	3.285	3.09	1.51	0.162	0.46	--
363 249TH ST	27	100%	0.53	6.3	2.68	2.15	1.758	0.802	0.656	Lognormal
364 248TH ST	48	100%	1.32	4.86	2.497	2.38	0.766	1.139	0.307	Lognormal
367 244TH ST	13	100%	1.34	5.55	3.919	4.08	1.203	-0.928	0.307	Normal
367 249TH ST	46	100%	0.7	5.96	3.295	3.355	1.331	-0.0998	0.404	Normal
368 249TH ST	55	100%	0.94	7.22	2.244	1.98	1.092	1.9	0.487	Lognormal
373 249TH ST	42	98%	0.5	5.06	2.194	2.17	0.926	0.487	0.422	Normal
374 248TH ST	120	100%	0.51	7.46	2.911	2.87	1.423	0.556	0.489	--
374 249TH ST	27	89%	0.51	3.38	1.342	1.14	0.827	1.227	0.616	Lognormal
377 244TH ST	32	100%	3.24	11.6	5.502	4.935	2.019	1.372	0.367	Lognormal
377 249TH ST	33	64%	0.44	2.54	1.14	1.11	0.531	1.095	0.466	Normal
378 249TH ST	41	100%	0.42	4.38	2.442	2.32	1.015	0.343	0.416	--
383 249TH ST	32	100%	1.37	6.86	2.618	2.41	0.994	2.83	0.379	--
402 249TH ST	32	100%	0.69	3.6	2.271	2.525	0.906	-0.323	0.399	--
408 249TH ST	24	100%	0.76	6.7	2.871	2.27	1.673	1.107	0.583	Lognormal
412 249TH ST	77	100%	1.12	11.5	4.346	4.26	2.039	0.804	0.469	--

**Table 5-1.3**  
**Summary of Descriptive Statistics for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	91%	0.24	1.16	0.381	0.32	0.184	3.106	0.484	--
24402 NEPTUNE AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24402 PANAMA AVE	127	28%	0.09	0.83	0.207	0.145	0.154	2.327	0.746	--
24402 RAVENNA AVE	40	58%	0.02	1.54	0.274	0.13	0.376	2.863	1.374	--
24403 NEPTUNE AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24403 RAVENNA AVE	62	66%	0.09	0.58	0.147	0.12	0.0861	3.737	0.586	--
24405 MARBELLA AVE	25	80%	0.1	0.21	0.152	0.15	0.0316	0.31	0.208	Normal
24406 MARBELLA AVE	40	45%	0.06	0.7	0.231	0.185	0.174	1.676	0.752	Lognormal
24406 NEPTUNE AVE	28	71%	0.27	0.75	0.53	0.49	0.126	0.247	0.238	Normal
24406 PANAMA AVE	23	4%	0.03	0.03	0.03	0.03	N/A	N/A	N/A	--
24406 RAVENNA AVE	26	65%	0.01	0.47	0.136	0.12	0.102	2.201	0.75	--
24409 NEPTUNE AVE	24	50%	0.43	1.85	0.709	0.575	0.383	2.807	0.54	--
24409 RAVENNA AVE	33	91%	0.09	1.4	0.659	0.68	0.315	-0.0235	0.478	--
24410 PANAMA AVE	33	24%	0.09	0.36	0.215	0.215	0.105	0.365	0.488	Normal
24411 MARBELLA AVE	69	42%	0.09	0.45	0.165	0.15	0.0838	1.954	0.508	--
24411 PANAMA AVE	37	5%	4.31	6.33	5.32	5.32	1.428	N/A	0.268	Normal
24412 MARBELLA AVE	31	52%	0.11	1.68	0.439	0.195	0.462	1.606	1.05	--
24412 RAVENNA AVE	61	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24413 NEPTUNE AVE	24	25%	0.1	2.05	0.622	0.205	0.778	1.644	1.252	Lognormal
24413 RAVENNA AVE	28	14%	0.18	0.98	0.565	0.55	0.404	0.0692	0.715	Normal
24416 MARBELLA AVE	50	16%	0.09	0.93	0.336	0.3	0.28	1.491	0.832	Normal
24416 NEPTUNE AVE	21	100%	0.12	0.38	0.22	0.22	0.0711	0.491	0.323	Normal
24416 PANAMA AVE	33	64%	0.1	0.37	0.194	0.17	0.0745	0.977	0.383	Normal
24416 RAVENNA AVE	42	2%	1.22	1.22	1.22	1.22	N/A	N/A	N/A	--
24417 MARBELLA AVE	8	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24417 PANAMA AVE	47	51%	0.09	0.57	0.184	0.155	0.111	2.21	0.602	Lognormal
24419 NEPTUNE AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24419 RAVENNA AVE	32	3%	0.43	0.43	0.43	0.43	N/A	N/A	N/A	--
24420 PANAMA AVE	33	18%	0.09	1.09	0.292	0.135	0.392	2.426	1.344	--
24421 PANAMA AVE	30	30%	0.09	0.34	0.196	0.17	0.102	0.501	0.522	Normal
24422 MARBELLA AVE	43	21%	0.1	0.81	0.351	0.29	0.271	0.729	0.771	Normal
24422 NEPTUNE AVE	36	3%	0.22	0.22	0.22	0.22	N/A	N/A	N/A	--
24422 RAVENNA AVE	29	31%	0.01	0.15	0.1	0.1	0.0456	-1.041	0.456	Normal
24423 MARBELLA AVE	13	8%	1.7	1.7	1.7	1.7	N/A	N/A	N/A	--
24423 NEPTUNE AVE	37	57%	0.09	0.39	0.164	0.14	0.0749	1.781	0.457	Lognormal
24423 RAVENNA AVE	40	10%	0.09	0.38	0.188	0.14	0.131	1.723	0.701	Normal
24426 MARBELLA AVE	24	17%	0.1	0.79	0.3	0.155	0.328	1.94	1.094	Lognormal
24426 NEPTUNE AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 PANAMA AVE	30	40%	0.09	0.75	0.26	0.17	0.204	1.508	0.786	Lognormal
24426 RAVENNA AVE	49	2%	0.8	0.8	0.8	0.8	N/A	N/A	N/A	--
24427 MARBELLA AVE	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24427 PANAMA AVE	38	3%	1.08	1.08	1.08	1.08	N/A	N/A	N/A	--
24429 NEPTUNE AVE	19	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24429 RAVENNA AVE	29	62%	0.11	0.44	0.232	0.24	0.104	0.397	0.448	Normal
24430 PANAMA AVE	30	3%	1.37	1.37	1.37	1.37	N/A	N/A	N/A	--
24431 PANAMA AVE	35	51%	0.09	1.12	0.258	0.13	0.288	2.207	1.118	--
24432 MARBELLA AVE	67	24%	0.1	0.66	0.305	0.185	0.216	0.69	0.708	--
24433 MARBELLA AVE	27	11%	0.23	0.32	0.283	0.3	0.0473	-1.39	0.167	Normal
24436 PANAMA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 MARBELLA AVE	51	59%	0.09	2.8	0.545	0.3	0.616	2.254	1.131	Lognormal
24502 NEPTUNE AVE	58	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 PANAMA AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 RAVENNA AVE	44	9%	0.15	0.25	0.183	0.165	0.0472	1.517	0.258	Normal
24503 MARBELLA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.3**  
**Summary of Descriptive Statistics for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	20%	0.09	0.72	0.371	0.335	0.248	0.19	0.669	Normal
24503 PANAMA AVE	28	82%	0.09	0.27	0.145	0.14	0.0445	1.166	0.307	Normal
24503 RAVENNA AVE	34	3%	0.09	0.09	0.09	0.09	N/A	N/A	N/A	--
24506 MARBELLA AVE	36	67%	0.09	0.47	0.204	0.17	0.0967	1.391	0.474	Lognormal
24507 MARBELLA AVE	36	92%	0.09	0.34	0.183	0.18	0.0559	0.521	0.306	Normal
24508 NEPTUNE AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 PANAMA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 RAVENNA AVE	39	10%	0.12	0.28	0.165	0.13	0.0768	1.977	0.466	--
24509 NEPTUNE AVE	31	71%	0.27	0.64	0.424	0.41	0.0928	0.442	0.219	Normal
24509 PANAMA AVE	47	36%	0.09	1.85	0.296	0.15	0.423	3.491	1.431	--
24509 RAVENNA AVE	37	3%	1	1	1	1	N/A	N/A	N/A	--
24512 MARBELLA AVE	48	100%	0.26	0.73	0.499	0.505	0.0993	0.197	0.199	Normal
24512 NEPTUNE AVE	36	100%	0.4	1.36	0.626	0.575	0.173	2.265	0.277	Lognormal
24512 PANAMA AVE	28	7%	0.18	0.27	0.225	0.225	0.0636	N/A	0.283	Normal
24512 RAVENNA AVE	46	63%	0.11	0.31	0.205	0.21	0.0621	0.00838	0.303	Normal
24513 NEPTUNE AVE	37	8%	0.11	0.27	0.167	0.12	0.0896	1.708	0.538	Normal
24513 PANAMA AVE	51	6%	0.09	0.12	0.11	0.12	0.0173	-1.732	0.157	Normal
24513 RAVENNA AVE	30	43%	0.09	0.37	0.171	0.13	0.0847	1.339	0.496	Lognormal
24516 MARBELLA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24517 MARBELLA AVE	12	67%	0.51	0.98	0.683	0.655	0.147	1.206	0.215	Normal
24518 NEPTUNE AVE	45	64%	0.23	0.46	0.29	0.28	0.0493	1.623	0.17	Lognormal
24518 PANAMA AVE	42	14%	0.12	0.44	0.243	0.215	0.12	0.878	0.495	Normal
24518 RAVENNA AVE	30	30%	0.1	0.58	0.231	0.19	0.156	1.611	0.675	Normal
24519 NEPTUNE AVE	35	23%	0.09	6.88	1.048	0.165	2.361	2.809	2.254	--
24519 PANAMA AVE	30	37%	0.09	0.51	0.198	0.12	0.155	1.34	0.784	--
24522 MARBELLA AVE	27	48%	0.11	0.39	0.232	0.24	0.0815	0.486	0.352	Normal
24522 NEPTUNE AVE	28	61%	0.3	0.58	0.411	0.43	0.084	0.296	0.204	Normal
24522 PANAMA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 RAVENNA AVE	35	23%	0.1	0.28	0.139	0.12	0.0594	2.413	0.428	--
24523 MARBELLA AVE	45	31%	0.09	0.63	0.266	0.21	0.166	1.066	0.625	Normal
24523 NEPTUNE AVE	37	11%	0.15	0.36	0.253	0.25	0.0918	0.122	0.364	Normal
24523 RAVENNA AVE	17	35%	0.1	0.73	0.25	0.125	0.248	1.983	0.992	Lognormal
24526 MARBELLA AVE	36	39%	0.1	0.57	0.21	0.185	0.117	2.54	0.556	Lognormal
24528 NEPTUNE AVE	31	39%	0.09	0.28	0.162	0.155	0.0592	0.66	0.366	Normal
24528 PANAMA AVE	39	3%	0.2	0.2	0.2	0.2	N/A	N/A	N/A	--
24529 NEPTUNE AVE	32	9%	0.18	0.72	0.527	0.68	0.301	-1.698	0.571	Normal
24529 PANAMA AVE	24	67%	0.18	0.59	0.374	0.385	0.11	-0.206	0.293	Normal
24529 RAVENNA AVE	26	54%	0.1	3.72	0.529	0.18	0.964	3.231	1.822	--
24532 MARBELLA AVE	27	59%	0.09	0.33	0.206	0.195	0.0643	0.422	0.312	Normal
24532 NEPTUNE AVE	21	29%	0.1	1.35	0.517	0.36	0.461	1.441	0.892	Normal
24532 PANAMA AVE	23	96%	0.17	0.43	0.297	0.285	0.0638	0.0895	0.215	Normal
24532 RAVENNA AVE	29	3%	0.12	0.12	0.12	0.12	N/A	N/A	N/A	--
24533 MARBELLA AVE	25	84%	0.04	2.6	0.492	0.25	0.63	2.598	1.28	--
24533 PANAMA AVE	29	7%	0.28	1.1	0.69	0.69	0.58	N/A	0.84	Normal
24533 RAVENNA AVE	52	10%	0.09	0.42	0.226	0.18	0.13	0.846	0.577	Normal
24602 MARBELLA AVE	34	100%	0.25	1.2	0.595	0.575	0.203	1.534	0.34	--
24602 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24602 PANAMA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24602 RAVENNA AVE	28	4%	0.17	0.17	0.17	0.17	N/A	N/A	N/A	--
24603 MARBELLA AVE	26	12%	0.29	0.31	0.3	0.3	0.01	0	0.0333	Normal
24603 NEPTUNE AVE	49	10%	0.1	0.2	0.138	0.11	0.0444	0.821	0.322	Normal
24603 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24603 RAVENNA AVE	31	16%	0.12	0.22	0.156	0.13	0.0462	0.808	0.296	Normal
24606 MARBELLA AVE	63	11%	0.11	0.33	0.17	0.16	0.0757	1.951	0.445	Lognormal

**Table 5-1.3**  
**Summary of Descriptive Statistics for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	55%	0.1	0.65	0.236	0.22	0.137	1.88	0.579	Lognormal
24608 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24608 PANAMA AVE	22	64%	0.14	0.27	0.173	0.16	0.0354	1.777	0.205	--
24608 RAVENNA AVE	40	20%	0.09	1	0.28	0.135	0.312	2.191	1.115	Lognormal
24609 NEPTUNE AVE	30	23%	0.09	0.39	0.153	0.12	0.107	2.446	0.697	--
24609 PANAMA AVE	34	15%	0.09	0.38	0.156	0.11	0.126	2.201	0.805	--
24609 RAVENNA AVE	45	9%	0.09	0.6	0.29	0.235	0.226	1.13	0.78	Normal
24612 MARBELLA AVE	51	53%	0.1	3.08	0.381	0.28	0.545	5.026	1.431	--
24612 NEPTUNE AVE	47	9%	0.22	0.77	0.523	0.55	0.266	-0.273	0.509	Normal
24612 PANAMA AVE	33	76%	0.19	0.51	0.314	0.3	0.0874	0.4	0.279	Normal
24612 RAVENNA AVE	46	57%	0.09	0.61	0.182	0.145	0.11	2.858	0.603	--
24613 MARBELLA AVE	52	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24613 NEPTUNE AVE	39	46%	0.23	0.33	0.278	0.275	0.0338	0.192	0.122	Normal
24613 PANAMA AVE	51	2%	0.2	0.2	0.2	0.2	N/A	N/A	N/A	--
24613 RAVENNA AVE	33	42%	0.12	0.32	0.187	0.165	0.0681	0.952	0.364	Lognormal
24616 MARBELLA AVE	46	26%	0.11	0.28	0.168	0.165	0.0545	0.69	0.325	Normal
24617 MARBELLA AVE	34	97%	0.12	1.02	0.392	0.34	0.209	1.5	0.532	Lognormal
24618 NEPTUNE AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24618 PANAMA AVE	28	14%	0.35	0.63	0.448	0.405	0.13	1.369	0.29	Normal
24618 RAVENNA AVE	40	68%	0.09	0.19	0.124	0.11	0.0321	0.742	0.259	--
24619 NEPTUNE AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24619 PANAMA AVE	38	18%	0.11	0.21	0.15	0.13	0.0443	0.722	0.296	Normal
24619 RAVENNA AVE	35	17%	0.11	0.32	0.183	0.17	0.0812	0.975	0.443	Normal
24622 MARBELLA AVE	53	2%	1.03	1.03	1.03	1.03	N/A	N/A	N/A	--
24622 NEPTUNE AVE	34	74%	0.26	0.61	0.379	0.39	0.0905	0.602	0.239	Normal
24623 MARBELLA AVE	32	88%	0.1	0.57	0.212	0.195	0.0931	2.138	0.44	Lognormal
24623 NEPTUNE AVE	36	3%	0.24	0.24	0.24	0.24	N/A	N/A	N/A	--
24627 MARBELLA AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24628 MARBELLA AVE	52	65%	0.01	0.78	0.146	0.12	0.175	2.372	1.198	--
24628 NEPTUNE AVE	18	6%	0.09	0.09	0.09	0.09	N/A	N/A	N/A	--
24629 NEPTUNE AVE	39	3%	0.1	0.1	0.1	0.1	N/A	N/A	N/A	--
24632 NEPTUNE AVE	20	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24633 MARBELLA AVE	40	18%	0.16	0.58	0.313	0.26	0.155	1.069	0.495	Normal
24700 MARBELLA AVE	46	2%	0.3	0.3	0.3	0.3	N/A	N/A	N/A	--
24700 RAVENNA AVE	56	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24702 NEPTUNE AVE	46	9%	0.1	0.39	0.175	0.105	0.143	1.994	0.819	--
24702 PANAMA AVE	30	7%	0.48	1.72	1.1	1.1	0.877	N/A	0.797	Normal
24703 MARBELLA AVE	36	42%	0.24	0.66	0.341	0.3	0.113	2.057	0.332	--
24703 NEPTUNE AVE	39	38%	0.09	0.65	0.187	0.14	0.14	2.948	0.746	--
24703 RAVENNA AVE	53	6%	0.1	0.29	0.18	0.15	0.0985	1.244	0.547	Normal
24706 MARBELLA AVE	43	7%	0.1	0.53	0.257	0.14	0.238	1.677	0.926	Normal
24706 RAVENNA AVE	33	9%	0.1	0.19	0.143	0.14	0.0451	0.331	0.315	Normal
24707 MARBELLA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24708 PANAMA AVE	37	35%	0.09	0.72	0.341	0.27	0.185	0.783	0.542	Normal
24709 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24709 PANAMA AVE	43	7%	0.05	0.15	0.113	0.14	0.0551	-1.668	0.486	Normal
24709 RAVENNA AVE	52	12%	0.09	0.15	0.12	0.12	0.0237	-1.69E-15	0.197	Normal
24710 MARBELLA AVE	43	44%	0.11	0.52	0.203	0.17	0.102	1.872	0.502	Lognormal
24712 NEPTUNE AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24712 PANAMA AVE	27	11%	0.12	0.23	0.17	0.16	0.0557	0.782	0.328	Normal
24712 RAVENNA AVE	45	11%	0.14	0.18	0.158	0.15	0.0205	0.441	0.13	Normal
24713 MARBELLA AVE	37	41%	0.09	0.34	0.174	0.19	0.0727	0.676	0.418	Normal
24713 PANAMA AVE	34	82%	0.01	0.62	0.248	0.265	0.156	0.416	0.632	Normal
24713 RAVENNA AVE	35	97%	0.09	0.61	0.161	0.135	0.09	4.169	0.561	--

**Table 5-1.3**  
**Summary of Descriptive Statistics for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	32%	0.09	0.47	0.208	0.14	0.139	1.014	0.667	--
24716 MARBELLA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24716 RAVENNA AVE	15	33%	0.09	0.2	0.138	0.13	0.0466	0.433	0.338	Normal
24717 MARBELLA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24718 NEPTUNE AVE	65	28%	0.09	0.19	0.113	0.11	0.0249	1.823	0.221	Lognormal
24718 PANAMA AVE	33	3%	0.28	0.28	0.28	0.28	N/A	N/A	N/A	--
24719 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24719 PANAMA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24719 RAVENNA AVE	45	7%	0.11	0.17	0.133	0.12	0.0321	1.545	0.241	Normal
24722 MARBELLA AVE	34	50%	0.11	0.41	0.195	0.17	0.0889	1.279	0.455	Lognormal
24722 NEPTUNE AVE	40	23%	0.24	0.31	0.263	0.25	0.0245	1.013	0.093	Normal
24722 PANAMA AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24722 RAVENNA AVE	41	29%	0.01	0.52	0.112	0.04	0.155	2.075	1.386	Lognormal
24723 MARBELLA AVE	22	5%	0.58	0.58	0.58	0.58	N/A	N/A	N/A	--
24723 RAVENNA AVE	37	24%	0.12	1.53	0.531	0.25	0.546	1.319	1.028	Lognormal
24725 NEPTUNE AVE	35	3%	0.06	0.06	0.06	0.06	N/A	N/A	N/A	--
24726 MARBELLA AVE	49	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24726 RAVENNA AVE	37	16%	0.09	0.19	0.11	0.095	0.0395	2.366	0.359	--
24727 MARBELLA AVE	40	98%	0.15	0.69	0.339	0.32	0.111	0.644	0.328	Normal
24728 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24728 PANAMA AVE	31	52%	0.12	2.12	0.518	0.245	0.602	1.788	1.163	--
24729 NEPTUNE AVE	35	3%	0.09	0.09	0.09	0.09	N/A	N/A	N/A	--
24729 PANAMA AVE	34	24%	0.09	0.15	0.113	0.105	0.0243	0.564	0.216	Normal
24729 RAVENNA AVE	16	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 MARBELLA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 NEPTUNE AVE	35	23%	0.09	0.3	0.164	0.135	0.0803	1.224	0.491	Lognormal
24732 PANAMA AVE	33	15%	0.1	1.16	0.632	0.6	0.454	0.0474	0.718	Normal
24732 RAVENNA AVE	42	2%	0.15	0.15	0.15	0.15	N/A	N/A	N/A	--
24733 MARBELLA AVE	32	84%	0.09	0.44	0.217	0.18	0.0924	0.759	0.426	Lognormal
24733 PANAMA AVE	38	100%	0.11	0.5	0.179	0.16	0.0723	2.793	0.404	--
24733 RAVENNA AVE	40	75%	0.11	0.43	0.289	0.29	0.0712	-0.264	0.246	Normal
24735 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24736 MARBELLA AVE	52	2%	0.5	0.5	0.5	0.5	N/A	N/A	N/A	--
24736 RAVENNA AVE	43	26%	0.09	0.39	0.272	0.34	0.132	-0.588	0.487	--
24737 MARBELLA AVE	28	4%	0.86	0.86	0.86	0.86	N/A	N/A	N/A	--
24738 NEPTUNE AVE	51	6%	0.1	0.32	0.187	0.14	0.117	1.508	0.628	Normal
24738 PANAMA AVE	32	25%	0.23	0.57	0.333	0.295	0.12	1.22	0.362	Normal
24739 NEPTUNE AVE	41	12%	0.39	0.61	0.5	0.5	0.0828	3.187E-16	0.166	Normal
24739 PANAMA AVE	43	81%	0.21	0.57	0.296	0.28	0.073	1.966	0.247	--
24739 RAVENNA AVE	42	24%	0.09	0.55	0.209	0.13	0.159	1.343	0.762	Lognormal
24740 MARBELLA AVE	64	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24741 MARBELLA AVE	12	8%	0.14	0.14	0.14	0.14	N/A	N/A	N/A	--
24743 RAVENNA AVE	42	83%	0.01	0.44	0.229	0.26	0.0902	-0.449	0.395	--
24744 MARBELLA AVE	25	4%	0.14	0.14	0.14	0.14	N/A	N/A	N/A	--
24748 RAVENNA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24749 RAVENNA AVE	43	7%	0.16	0.34	0.233	0.2	0.0945	1.39	0.405	Normal
24752 RAVENNA AVE	45	7%	0.13	0.39	0.22	0.14	0.147	1.723	0.67	Normal
24802 PANAMA AVE	47	9%	0.14	0.41	0.278	0.28	0.121	-0.0833	0.435	Normal
24803 NEPTUNE AVE	32	9%	0.13	0.39	0.24	0.2	0.135	1.22	0.561	Normal
24803 PANAMA AVE	18	6%	0.11	0.11	0.11	0.11	N/A	N/A	N/A	--
24809 NEPTUNE AVE	27	26%	0.09	9.02	1.401	0.11	3.36	2.643	2.398	--
24809 PANAMA AVE	36	3%	0.13	0.13	0.13	0.13	N/A	N/A	N/A	--
24812 PANAMA AVE	29	10%	0.24	0.28	0.267	0.28	0.0231	-1.732	0.0866	Normal
24813 PANAMA AVE	15	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--



**Table 5-1.3**  
**Summary of Descriptive Statistics for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	27%	0.01	0.93	0.298	0.185	0.294	1.638	0.988	Normal
24818 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24819 PANAMA AVE	34	3%	0.63	0.63	0.63	0.63	N/A	N/A	N/A	--
24822 PANAMA AVE	43	5%	0.12	0.31	0.215	0.215	0.134	N/A	0.625	Normal
24823 PANAMA AVE	39	10%	0.1	0.26	0.178	0.175	0.075	0.104	0.423	Normal
24825 NEPTUNE AVE	98	59%	0.09	0.82	0.162	0.13	0.116	3.99	0.718	--
24828 PANAMA AVE	36	100%	0.1	0.58	0.174	0.145	0.0945	2.664	0.542	--
24829 PANAMA AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24832 PANAMA AVE	38	26%	0.09	0.4	0.167	0.15	0.0909	2.148	0.544	Lognormal
24833 PANAMA AVE	43	2%	0.34	0.34	0.34	0.34	N/A	N/A	N/A	--
24838 PANAMA AVE	28	4%	0.11	0.11	0.11	0.11	N/A	N/A	N/A	--
24904 NEPTUNE AVE	74	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24912 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
301 244TH ST	29	3%	0.15	0.15	0.15	0.15	N/A	N/A	N/A	--
305 244TH ST	54	17%	0.15	1.39	0.418	0.27	0.383	2.489	0.917	Lognormal
311 244TH ST	71	62%	0.09	3.76	0.42	0.25	0.696	4.212	1.658	--
317 244TH ST	58	88%	0.1	0.43	0.189	0.17	0.0795	1.185	0.421	Lognormal
321 244TH ST	40	63%	0.1	1	0.225	0.19	0.178	3.744	0.789	--
327 244TH ST	12	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
331 244TH ST	28	57%	0.09	1.12	0.254	0.17	0.253	3.071	0.997	--
337 244TH ST	34	88%	0.23	1.18	0.34	0.295	0.176	4.13	0.517	--
341 244TH ST	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
344 249TH ST	35	9%	0.18	0.78	0.47	0.45	0.3	0.298	0.639	Normal
345 249TH ST	93	66%	0.09	1.93	0.982	1.21	0.585	-0.462	0.595	--
347 244TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
348 248TH ST	49	12%	0.09	0.18	0.113	0.105	0.0339	2.074	0.299	Lognormal
348 249TH ST	51	25%	0.09	0.22	0.135	0.13	0.0391	1.114	0.289	Normal
351 244TH ST	32	13%	0.1	0.4	0.208	0.165	0.134	1.563	0.643	Normal
352 249TH ST	32	16%	0.09	0.47	0.2	0.15	0.156	1.883	0.781	Normal
353 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
354 248TH ST	39	23%	0.09	0.79	0.282	0.19	0.229	1.613	0.813	Lognormal
357 244TH ST	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
357 249TH ST	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
358 249TH ST	43	7%	0.09	0.2	0.153	0.17	0.0569	-1.206	0.371	Normal
360 248TH ST	48	100%	0.16	0.74	0.288	0.27	0.0796	4.13	0.276	--
361 244TH ST	23	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
362 249TH ST	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
363 249TH ST	27	48%	0.1	2.89	0.645	0.34	0.751	2.52	1.164	Lognormal
364 248TH ST	48	44%	0.09	0.37	0.174	0.13	0.0845	1.427	0.486	--
367 244TH ST	13	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
367 249TH ST	46	41%	0.12	0.32	0.165	0.15	0.046	2.363	0.278	--
368 249TH ST	55	15%	0.1	0.33	0.155	0.12	0.078	1.964	0.503	Lognormal
373 249TH ST	42	36%	0.09	0.56	0.344	0.33	0.127	-0.753	0.368	Normal
374 248TH ST	120	18%	0.09	1.88	0.31	0.16	0.4	3.346	1.291	--
374 249TH ST	27	22%	0.1	0.33	0.188	0.14	0.109	0.754	0.579	Lognormal
377 244TH ST	32	31%	0.09	0.47	0.181	0.15	0.114	2.09	0.63	Lognormal
377 249TH ST	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
378 249TH ST	41	20%	0.09	0.27	0.131	0.11	0.0622	1.967	0.474	Lognormal
383 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
402 249TH ST	32	31%	0.1	0.53	0.187	0.145	0.129	2.48	0.688	--
408 249TH ST	24	33%	0.13	1.34	0.443	0.355	0.402	1.899	0.908	Lognormal
412 249TH ST	77	36%	0.09	0.29	0.144	0.135	0.0484	1.518	0.336	Lognormal

**Table 5-1.4**  
**Summary Descriptive Statistics for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	100%	7.51	16	11.25	10.9	2.138	0.281	0.19	Normal
24402 NEPTUNE AVE	48	100%	7.29	14	9.713	9.755	1.316	0.704	0.135	Normal
24402 PANAMA AVE	127	100%	2.58	16.5	10.96	11.4	2.776	-0.556	0.253	--
24402 RAVENNA AVE	40	100%	7.47	18.4	10.53	10.1	2.18	1.668	0.207	Lognormal
24403 NEPTUNE AVE	46	100%	7.29	19	10.25	9.805	2.372	1.958	0.231	--
24403 RAVENNA AVE	62	100%	5.24	17.3	10.07	9.925	1.759	1.229	0.175	--
24405 MARBELLA AVE	25	100%	7.39	16.5	11.36	10.8	2.561	0.265	0.225	Normal
24406 MARBELLA AVE	40	100%	6.29	15	10.34	10.3	2.025	0.116	0.196	Normal
24406 NEPTUNE AVE	28	100%	7.26	14.1	9.709	9.305	1.745	1.128	0.18	Lognormal
24406 PANAMA AVE	23	100%	4.93	15.8	9.741	10.2	2.729	0.342	0.28	Normal
24406 RAVENNA AVE	26	100%	6.51	12	9.219	9.21	1.238	0.159	0.134	Normal
24409 NEPTUNE AVE	24	100%	6.49	10.8	8.915	9.135	1.19	-0.249	0.134	Normal
24409 RAVENNA AVE	33	100%	6.67	12.6	9.54	9.45	1.491	0.153	0.156	Normal
24410 PANAMA AVE	33	100%	3.82	16.5	8.864	8.96	2.759	0.741	0.311	Normal
24411 MARBELLA AVE	69	100%	5.72	15.1	10.83	11	1.761	-0.0489	0.163	Normal
24411 PANAMA AVE	37	100%	6.46	14.8	10.29	9.8	2.027	0.338	0.197	Normal
24412 MARBELLA AVE	31	100%	7.8	31.3	12.01	11.3	4.148	3.548	0.345	--
24412 RAVENNA AVE	61	100%	6.85	13.9	9.536	9.2	1.737	0.287	0.182	--
24413 NEPTUNE AVE	24	100%	7.32	11.7	8.878	8.685	1.221	0.434	0.138	Normal
24413 RAVENNA AVE	28	100%	5.19	13.5	8.782	8.585	2.023	0.508	0.23	Normal
24416 MARBELLA AVE	50	100%	5.38	21.5	10.31	9.915	2.962	1.352	0.287	Lognormal
24416 NEPTUNE AVE	21	100%	6.5	10.8	9.17	9.8	1.39	-0.808	0.152	--
24416 PANAMA AVE	33	100%	4.41	12.2	8.582	8.38	2.154	0.0706	0.251	Normal
24416 RAVENNA AVE	42	100%	6.2	13.5	9.274	9.115	1.566	0.425	0.169	Normal
24417 MARBELLA AVE	8	100%	9.75	13.9	11.46	11.45	1.34	0.612	0.117	Normal
24417 PANAMA AVE	47	100%	4.63	13.6	9.306	9.22	1.816	0.244	0.195	Normal
24419 NEPTUNE AVE	32	100%	6.54	11.2	8.927	8.805	1.215	-0.108	0.136	Normal
24419 RAVENNA AVE	32	100%	5.84	14.4	8.411	8.275	1.876	1.112	0.223	Normal
24420 PANAMA AVE	33	100%	2.68	11.5	7.664	7.68	1.936	-0.495	0.253	Normal
24421 PANAMA AVE	30	100%	5.13	13.5	8.757	8.385	1.956	0.235	0.223	Normal
24422 MARBELLA AVE	43	100%	5	14.1	8.791	8.67	1.723	0.497	0.196	--
24422 NEPTUNE AVE	36	100%	6.96	11.4	9.235	9.35	1.228	-0.0201	0.133	Normal
24422 RAVENNA AVE	29	100%	6.73	11	9.209	9.16	1.121	-0.56	0.122	Normal
24423 MARBELLA AVE	13	100%	8.43	14.7	10.94	10.7	1.679	0.838	0.153	Normal
24423 NEPTUNE AVE	37	100%	6.3	12.8	9.087	8.94	1.605	0.275	0.177	Normal
24423 RAVENNA AVE	40	100%	5.53	13.5	8.318	8.165	1.794	1.092	0.216	Lognormal
24426 MARBELLA AVE	24	100%	5.68	12.4	8.758	8.71	1.603	0.236	0.183	Normal
24426 NEPTUNE AVE	30	100%	5.9	12.2	9.204	9.08	1.652	-0.0418	0.18	Normal
24426 PANAMA AVE	30	100%	2.7	14.2	8.907	9.15	2.776	-0.242	0.312	Normal
24426 RAVENNA AVE	49	100%	5.68	15.3	9.289	9.06	1.915	0.795	0.206	Normal
24427 MARBELLA AVE	25	100%	7.02	15.5	12.36	13.1	2.314	-0.758	0.187	Normal
24427 PANAMA AVE	38	100%	6.23	13.8	9.381	9.51	1.612	0.315	0.172	Normal
24429 NEPTUNE AVE	19	100%	7.38	11.3	9.208	9.03	1.079	0.236	0.117	Normal
24429 RAVENNA AVE	29	100%	5.14	11.5	8.237	8.16	1.386	0.268	0.168	Normal
24430 PANAMA AVE	30	100%	2.37	12.1	7.701	8.315	2.47	-0.533	0.321	Normal
24431 PANAMA AVE	35	100%	6.8	12.7	10.02	9.91	1.422	-0.182	0.142	Normal
24432 MARBELLA AVE	67	100%	6.36	13.6	9.214	9.12	1.464	0.368	0.159	Normal
24433 MARBELLA AVE	27	100%	7.04	16.5	12.13	11.7	2.204	0.357	0.182	Normal
24436 PANAMA AVE	35	100%	1.84	11.7	7.019	7.27	2.411	-0.311	0.344	Normal
24502 MARBELLA AVE	51	100%	5.7	13	9.274	9.29	1.772	0.013	0.191	Normal
24502 NEPTUNE AVE	58	100%	4.33	11.7	7.525	7.415	1.512	0.601	0.201	Normal
24502 PANAMA AVE	48	100%	1.27	12.7	7.15	7.42	2.371	-0.397	0.332	--
24502 RAVENNA AVE	44	100%	5.86	12.3	8.278	8.015	1.291	0.881	0.156	Normal
24503 MARBELLA AVE	29	100%	9.36	24.9	12.66	11.7	3.494	2.36	0.276	--

**Table 5-1.4**  
**Summary Descriptive Statistics for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	100%	2.58	14.5	9.3	9.395	1.589	-0.637	0.171	--
24503 PANAMA AVE	28	100%	4.4	11.9	9.228	9.395	1.737	-0.631	0.188	Normal
24503 RAVENNA AVE	34	100%	4.9	13.5	8.324	8.085	1.836	0.629	0.221	Normal
24506 MARBELLA AVE	36	100%	5.35	17.1	9.615	9.455	2.119	1.208	0.22	Lognormal
24507 MARBELLA AVE	36	100%	9.43	17.5	13.2	13.15	1.86	0.0246	0.141	Normal
24508 NEPTUNE AVE	40	100%	5.93	11.5	8.675	8.605	1.263	0.163	0.146	Normal
24508 PANAMA AVE	24	100%	1.98	12	7.505	8.22	2.971	-0.451	0.396	--
24508 RAVENNA AVE	39	100%	6.59	11.7	9.003	8.76	1.523	0.326	0.169	Normal
24509 NEPTUNE AVE	31	100%	3.24	11.3	8.098	7.86	1.649	-0.403	0.204	Normal
24509 PANAMA AVE	47	100%	6.01	11.7	8.519	8.35	1.298	0.172	0.152	Normal
24509 RAVENNA AVE	37	100%	6.08	11.6	8.395	8.27	1.39	0.484	0.166	Normal
24512 MARBELLA AVE	48	100%	7.49	16.9	10.3	10.25	2.004	0.92	0.195	Normal
24512 NEPTUNE AVE	36	100%	6.64	15.2	9.001	8.625	1.67	1.986	0.186	--
24512 PANAMA AVE	28	100%	1.89	10.9	6.515	7.24	2.909	-0.429	0.447	--
24512 RAVENNA AVE	46	100%	5.14	12.2	8.452	8.54	1.453	-0.0398	0.172	Normal
24513 NEPTUNE AVE	37	100%	5.83	16.4	9.219	9.41	1.945	0.979	0.211	--
24513 PANAMA AVE	51	100%	4.82	10.3	7.64	7.47	1.299	-0.06	0.17	Normal
24513 RAVENNA AVE	30	100%	5.96	12.6	8.614	8.36	1.81	0.867	0.21	--
24516 MARBELLA AVE	30	100%	6.46	11.6	9.017	9.13	1.433	-0.3	0.159	Normal
24517 MARBELLA AVE	12	100%	9.82	18.4	11.97	11.15	2.336	2.188	0.195	--
24518 NEPTUNE AVE	45	100%	6.25	16.3	8.784	8.35	1.962	1.468	0.223	Lognormal
24518 PANAMA AVE	42	100%	1.3	11.2	6.54	7.745	2.893	-0.688	0.442	--
24518 RAVENNA AVE	30	100%	6.04	10.7	8.314	8.59	1.397	-0.0661	0.168	Normal
24519 NEPTUNE AVE	35	100%	6.95	11.3	8.877	8.83	1.231	0.237	0.139	Normal
24519 PANAMA AVE	30	100%	2.46	11.9	7.73	8.045	1.965	-0.937	0.254	--
24522 MARBELLA AVE	27	100%	4.99	18.6	11.28	11.6	2.719	-0.0256	0.241	--
24522 NEPTUNE AVE	28	100%	6.44	11.3	9.175	9.015	1.441	-0.225	0.157	Normal
24522 PANAMA AVE	36	100%	1.19	10.6	6.35	6.99	2.918	-0.421	0.46	--
24522 RAVENNA AVE	35	100%	1.56	14	7.713	7.81	2.373	-0.338	0.308	--
24523 MARBELLA AVE	45	100%	5.02	15.7	10.37	10.9	2.158	-0.579	0.208	--
24523 NEPTUNE AVE	37	100%	7.09	13.6	9.519	9.18	1.663	0.718	0.175	Normal
24523 RAVENNA AVE	17	100%	6.01	10.7	7.899	7.74	1.147	0.741	0.145	Normal
24526 MARBELLA AVE	36	100%	5.26	16	10.56	10.9	2.353	-0.204	0.223	Normal
24528 NEPTUNE AVE	31	100%	2.4	17.6	6.85	6.44	2.888	1.493	0.422	--
24528 PANAMA AVE	39	100%	1.6	15.7	6.17	6.58	2.483	1.027	0.403	--
24529 NEPTUNE AVE	32	100%	5.97	16.2	8.665	8.23	2.065	1.863	0.238	Lognormal
24529 PANAMA AVE	24	100%	1.2	9.54	6.535	6.755	2.463	-0.767	0.377	--
24529 RAVENNA AVE	26	100%	2.13	11.2	7.319	7.815	2.285	-0.783	0.312	Normal
24532 MARBELLA AVE	27	100%	4.72	18.3	10.59	10.9	2.872	0.395	0.271	Normal
24532 NEPTUNE AVE	21	100%	3.13	14.9	6.856	6.03	3.08	1.206	0.449	Lognormal
24532 PANAMA AVE	23	100%	2.68	7.63	6.083	6.45	1.176	-1.762	0.193	--
24532 RAVENNA AVE	29	100%	1.98	11.5	7.198	7.5	2.734	-0.53	0.38	Normal
24533 MARBELLA AVE	25	100%	7.05	16.4	10.54	10.3	1.989	0.764	0.189	Normal
24533 PANAMA AVE	29	100%	1.69	10.3	6.412	6.61	2.082	-0.655	0.325	Normal
24533 RAVENNA AVE	52	100%	1.91	11.8	6.827	7.22	2.468	-0.365	0.361	--
24602 MARBELLA AVE	34	100%	5.62	16.4	9.792	9.755	2.18	0.47	0.223	Normal
24602 NEPTUNE AVE	33	100%	3.55	11.9	6.995	6.81	2.05	0.449	0.293	Normal
24602 PANAMA AVE	40	100%	1.49	8.81	6.256	6.41	1.408	-1.222	0.225	--
24602 RAVENNA AVE	28	100%	2.62	11.8	7.345	7.165	2.425	0.0329	0.33	Normal
24603 MARBELLA AVE	26	100%	7.32	15.7	10.8	11.25	2.117	0.0918	0.196	Normal
24603 NEPTUNE AVE	49	100%	2.52	12.6	7.407	7.42	2.199	-0.135	0.297	Normal
24603 PANAMA AVE	30	100%	4.55	12.8	6.895	6.72	1.68	1.571	0.244	Lognormal
24603 RAVENNA AVE	31	100%	2.6	13.3	6.503	6.77	2.392	0.455	0.368	Normal
24606 MARBELLA AVE	63	100%	3.04	14.7	9.311	10.1	2.893	-0.115	0.311	--

**Table 5-1.4**  
**Summary Descriptive Statistics for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	100%	1.31	15.8	9.483	10.5	3.21	-0.723	0.339	--
24608 NEPTUNE AVE	37	100%	2.88	9.76	6.528	6.4	1.83	-0.19	0.28	Normal
24608 PANAMA AVE	22	100%	3.11	8.31	6.138	5.895	1.112	-0.313	0.181	Normal
24608 RAVENNA AVE	40	100%	2.38	9.16	6.391	6.745	1.802	-0.716	0.282	--
24609 NEPTUNE AVE	30	100%	3.43	15.6	8.121	8.065	2.309	0.637	0.284	--
24609 PANAMA AVE	34	100%	2.69	13	6.845	6.625	1.949	0.891	0.285	--
24609 RAVENNA AVE	45	100%	2.19	10.7	6.335	5.98	1.807	0.0628	0.285	--
24612 MARBELLA AVE	51	100%	5.09	15.1	10.14	10.7	2.704	-0.145	0.267	Normal
24612 NEPTUNE AVE	47	100%	3.42	9.86	6.726	6.91	1.456	-0.0636	0.216	Normal
24612 PANAMA AVE	33	100%	4.63	8.68	6.559	6.31	0.912	0.611	0.139	Normal
24612 RAVENNA AVE	46	100%	2.99	9.79	6.233	6.54	1.503	-0.256	0.241	Normal
24613 MARBELLA AVE	52	100%	6.88	26	11.66	11.65	3.132	1.702	0.269	--
24613 NEPTUNE AVE	39	100%	5.33	12.1	8.436	8.42	1.299	0.259	0.154	Normal
24613 PANAMA AVE	51	100%	3.5	12.1	6.679	6.25	1.557	1.331	0.233	--
24613 RAVENNA AVE	33	100%	4.34	10.1	6.869	6.57	1.383	0.323	0.201	Normal
24616 MARBELLA AVE	46	100%	3.17	13.1	8.458	8.52	2.678	-0.117	0.317	Normal
24617 MARBELLA AVE	34	100%	5.01	19.3	12.03	11.5	3.183	0.261	0.265	Normal
24618 NEPTUNE AVE	26	100%	6.32	8.22	7.076	7.035	0.627	0.377	0.0886	--
24618 PANAMA AVE	28	100%	4.38	9.95	6.469	6.205	1.305	1.252	0.202	Lognormal
24618 RAVENNA AVE	40	100%	4.31	9.34	6.714	6.275	1.352	0.676	0.201	--
24619 NEPTUNE AVE	28	100%	5.87	11	8.126	8.035	1.21	0.702	0.149	Normal
24619 PANAMA AVE	38	100%	3.3	8.66	6.342	6.44	1.269	-0.625	0.2	Normal
24619 RAVENNA AVE	35	100%	4.37	9.31	6.941	6.91	1.206	-0.131	0.174	Normal
24622 MARBELLA AVE	53	100%	2.6	15.5	9.119	9.14	3.154	-0.0621	0.346	Normal
24622 NEPTUNE AVE	34	100%	5.33	13.2	7.614	7.115	1.758	1.592	0.231	--
24623 MARBELLA AVE	32	100%	5.23	18.6	11.38	11.7	2.292	0.296	0.201	Normal
24623 NEPTUNE AVE	36	100%	6.38	9.91	8.423	8.41	0.839	-0.168	0.0996	Normal
24627 MARBELLA AVE	48	100%	5.61	21	11.52	11.3	2.866	0.519	0.249	Normal
24628 MARBELLA AVE	52	100%	2.65	17.7	9.115	9.04	3.633	0.186	0.399	Normal
24628 NEPTUNE AVE	18	100%	5.41	9.22	6.752	6.39	1.064	0.793	0.158	Normal
24629 NEPTUNE AVE	39	100%	5.78	10.8	8.141	7.89	1.165	0.358	0.143	Normal
24632 NEPTUNE AVE	20	100%	3.65	11.8	7.366	7.065	1.628	0.662	0.221	--
24633 MARBELLA AVE	40	100%	6.16	24.6	11.33	10.95	3.426	1.446	0.302	Lognormal
24700 MARBELLA AVE	46	100%	2.78	12.6	8.636	8.63	2.05	-0.54	0.237	Normal
24700 RAVENNA AVE	56	100%	5.43	13.5	6.914	6.565	1.263	2.932	0.183	--
24702 NEPTUNE AVE	46	100%	4.81	9.09	7.212	7.115	0.779	0.199	0.108	--
24702 PANAMA AVE	30	100%	5.52	11	6.655	6.435	1.051	2.601	0.158	--
24703 MARBELLA AVE	36	100%	4.62	18.8	9.842	9.74	2.916	0.364	0.296	Normal
24703 NEPTUNE AVE	39	100%	6.23	11.2	8.36	8.48	1.115	0.0909	0.133	Normal
24703 RAVENNA AVE	53	100%	5.42	9.65	7.686	7.66	1.052	-0.0709	0.137	Normal
24706 MARBELLA AVE	43	100%	3.08	12.9	8.38	8.71	2.278	-0.357	0.272	Normal
24706 RAVENNA AVE	33	100%	5.4	9.46	7.303	7.46	1.13	0.0662	0.155	Normal
24707 MARBELLA AVE	37	100%	5.31	13.1	8.539	7.86	2.226	0.742	0.261	Lognormal
24708 PANAMA AVE	37	100%	3.95	12.8	7.089	6.99	1.526	1.407	0.215	Lognormal
24709 NEPTUNE AVE	37	100%	5.96	9.32	7.762	7.89	0.947	-0.165	0.122	Normal
24709 PANAMA AVE	43	100%	5.18	9.42	6.964	6.87	0.869	0.323	0.125	Normal
24709 RAVENNA AVE	52	100%	5.65	9.7	7.338	7.4	1.039	0.139	0.142	Normal
24710 MARBELLA AVE	43	100%	3.18	14	9.045	8.75	2.526	-0.0597	0.279	Normal
24712 NEPTUNE AVE	32	100%	5.49	9.25	7.134	7.03	0.904	0.422	0.127	Normal
24712 PANAMA AVE	27	100%	4.16	13.6	7.477	7.18	1.771	1.631	0.237	Lognormal
24712 RAVENNA AVE	45	100%	4.96	9.29	6.601	6.46	0.835	1.052	0.127	--
24713 MARBELLA AVE	37	100%	4.19	14.3	8.721	8.62	2.9	0.196	0.333	--
24713 PANAMA AVE	34	100%	4.2	9.36	7.284	7.31	1.256	-0.256	0.172	Normal
24713 RAVENNA AVE	35	100%	4.94	9.56	6.805	6.89	1.079	0.423	0.159	Normal

**Table 5-1.4**  
**Summary Descriptive Statistics for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	5.15	10.9	8.273	8.34	1.228	-0.27	0.148	Normal
24716 MARBELLA AVE	30	100%	5.04	12	8.599	9.18	2.23	-0.209	0.259	--
24716 RAVENNA AVE	15	100%	4.8	7.23	6.065	6.08	0.742	-0.052	0.122	Normal
24717 MARBELLA AVE	38	100%	4.68	17	8.555	7.36	3.181	1.298	0.372	Lognormal
24718 NEPTUNE AVE	65	100%	5.02	11.3	6.952	6.49	1.345	1.071	0.194	--
24718 PANAMA AVE	33	100%	5.09	9.58	6.908	6.74	0.971	0.53	0.141	Normal
24719 NEPTUNE AVE	33	100%	3.33	12.1	7.824	7.96	1.769	0.0918	0.226	Normal
24719 PANAMA AVE	28	100%	5.4	9.49	7.026	6.85	0.885	0.915	0.126	Normal
24719 RAVENNA AVE	45	100%	5.03	10.8	7.171	7.13	1.431	0.635	0.2	Normal
24722 MARBELLA AVE	34	100%	4.04	12.1	8.061	7.76	1.9	0.0512	0.236	Normal
24722 NEPTUNE AVE	40	100%	1.44	11.1	6.617	6.5	1.535	-0.268	0.232	--
24722 PANAMA AVE	18	100%	4.27	10.2	6.326	6.22	1.447	1.342	0.229	Lognormal
24722 RAVENNA AVE	41	100%	3.7	9.69	6.24	6.21	0.997	1.414	0.16	--
24723 MARBELLA AVE	22	100%	2.05	12.4	7.576	7.235	2.661	0.00626	0.351	Normal
24723 RAVENNA AVE	37	100%	5.1	8.56	6.449	6.29	0.895	0.333	0.139	Normal
24725 NEPTUNE AVE	35	100%	4.99	9.02	6.657	6.34	1.117	0.544	0.168	Lognormal
24726 MARBELLA AVE	49	100%	2.59	12.9	8.94	9.01	2.62	-0.636	0.293	Normal
24726 RAVENNA AVE	37	100%	2.63	11	6.235	6.21	1.378	0.616	0.221	--
24727 MARBELLA AVE	40	100%	2.37	13.7	7.482	7.37	2.567	-0.00173	0.343	Normal
24728 NEPTUNE AVE	33	100%	3.83	9.02	6.409	6.13	1.198	0.605	0.187	Lognormal
24728 PANAMA AVE	31	100%	4.14	14.7	7.181	6.95	1.839	2.301	0.256	Lognormal
24729 NEPTUNE AVE	35	100%	4.56	13.1	7.076	6.74	1.585	1.864	0.224	--
24729 PANAMA AVE	34	100%	5.49	9.76	6.884	6.7	0.869	1.09	0.126	Normal
24729 RAVENNA AVE	16	100%	5.31	8.81	6.452	6.27	0.834	1.549	0.129	Lognormal
24732 MARBELLA AVE	37	100%	1.24	12.4	7.308	7.2	2.683	-0.104	0.367	Normal
24732 NEPTUNE AVE	35	100%	5.17	11.3	7.15	6.84	1.45	1.084	0.203	Lognormal
24732 PANAMA AVE	33	100%	4.88	9.13	6.996	7.24	1.186	-0.214	0.17	Normal
24732 RAVENNA AVE	42	100%	5.18	8.83	6.445	6.2	0.924	0.811	0.143	Lognormal
24733 MARBELLA AVE	32	100%	1.81	12.3	7.166	6.89	2.989	0.186	0.417	Normal
24733 PANAMA AVE	38	100%	5.74	9.65	7.399	7.36	0.989	0.435	0.134	Normal
24733 RAVENNA AVE	40	100%	5.14	8.9	6.443	6.26	0.828	1.135	0.129	--
24735 NEPTUNE AVE	36	100%	3.74	10.6	6.758	6.245	1.385	0.964	0.205	--
24736 MARBELLA AVE	52	100%	3.13	13.9	8.345	8.65	2.505	-0.0215	0.3	Normal
24736 RAVENNA AVE	43	100%	5.85	8.3	7.021	7.03	0.65	-0.134	0.0926	Normal
24737 MARBELLA AVE	28	100%	5.19	12.6	7.858	7.125	2.132	0.962	0.271	Lognormal
24738 NEPTUNE AVE	51	100%	5.5	9.36	6.915	6.77	0.915	0.747	0.132	Normal
24738 PANAMA AVE	32	100%	3.84	9.16	6.014	5.91	1.381	0.409	0.23	Normal
24739 NEPTUNE AVE	41	100%	4.81	9.73	6.656	6.4	1.011	0.893	0.152	Lognormal
24739 PANAMA AVE	43	100%	5.05	9.69	7	7.04	1.242	0.418	0.177	Normal
24739 RAVENNA AVE	42	100%	2.44	7.92	6.455	6.535	0.98	-1.766	0.152	--
24740 MARBELLA AVE	64	100%	3.34	12.9	7.622	7.205	2.071	0.343	0.272	Normal
24741 MARBELLA AVE	12	100%	4.34	10.2	7.718	7.505	1.615	-0.286	0.209	Normal
24743 RAVENNA AVE	42	100%	5.79	8.27	7.064	7.055	0.625	-0.0319	0.0885	Normal
24744 MARBELLA AVE	25	100%	4.06	15.7	7.533	6.94	2.469	1.896	0.328	Lognormal
24748 RAVENNA AVE	24	100%	6.01	8.09	7.04	7.05	0.476	0.221	0.0677	Normal
24749 RAVENNA AVE	43	100%	5.43	12.9	6.962	6.92	1.129	3.48	0.162	--
24752 RAVENNA AVE	45	100%	5.56	10.2	6.931	6.83	1.04	1.519	0.15	--
24802 PANAMA AVE	47	100%	4.54	10.3	6.691	6.86	1.454	0.339	0.217	Normal
24803 NEPTUNE AVE	32	100%	4.68	9.98	6.468	6.16	1.102	1.604	0.17	--
24803 PANAMA AVE	18	100%	4.79	10.1	6.121	5.75	1.31	1.775	0.214	Lognormal
24809 NEPTUNE AVE	27	100%	5.52	8.33	6.449	6.27	0.741	1.138	0.115	--
24809 PANAMA AVE	36	100%	6.23	10.9	7.498	7.32	0.899	1.66	0.12	Lognormal
24812 PANAMA AVE	29	100%	4.26	8.6	6.176	6.29	1.31	0.321	0.212	Normal
24813 PANAMA AVE	15	100%	5.93	13.1	8.271	7.17	2.315	1.028	0.28	Lognormal

**Table 5-1.4**  
**Summary Descriptive Statistics for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	100%	4.71	10	6.637	6.5	1.19	1.105	0.179	Lognormal
24818 PANAMA AVE	34	100%	4.23	10.6	5.974	5.75	1.363	1.486	0.228	Lognormal
24819 PANAMA AVE	34	100%	5.04	10.7	6.734	6.62	0.924	2.287	0.137	--
24822 PANAMA AVE	43	100%	4.24	9.49	6.465	6.44	1.411	0.422	0.218	Normal
24823 PANAMA AVE	39	100%	4.78	10.3	6.881	6.74	0.992	1.115	0.144	--
24825 NEPTUNE AVE	98	100%	5.41	9.66	6.996	6.835	0.839	0.774	0.12	Lognormal
24828 PANAMA AVE	36	100%	3.53	9.49	6.079	6.03	1.535	0.542	0.252	Normal
24829 PANAMA AVE	48	100%	5.33	9.68	6.861	6.6	1.055	0.876	0.154	Lognormal
24832 PANAMA AVE	38	100%	4.88	14	7.139	6.85	1.859	2.533	0.26	--
24833 PANAMA AVE	43	100%	5.23	10.9	7.023	6.52	1.52	1.047	0.216	--
24838 PANAMA AVE	28	100%	4.69	9.97	6.698	6.49	1.33	0.905	0.199	Normal
24904 NEPTUNE AVE	74	100%	2.23	9.79	6.942	6.935	1.016	-0.926	0.146	--
24912 NEPTUNE AVE	36	100%	4.76	8.89	6.281	5.93	1.193	0.969	0.19	--
301 244TH ST	29	100%	2.84	17.4	10.76	10.2	3.113	-0.159	0.289	Normal
305 244TH ST	54	100%	5.9	21.2	10.67	10.4	2.933	1.018	0.275	Normal
311 244TH ST	71	100%	2.36	14.2	9.165	9.35	2.34	-0.467	0.255	Normal
317 244TH ST	58	100%	3.8	14.6	9.875	10.2	2.2	-0.593	0.223	--
321 244TH ST	40	100%	6.55	21	11.55	11.15	2.878	0.944	0.249	Normal
327 244TH ST	12	100%	8.31	12.7	10.81	10.85	1.26	-0.221	0.117	Normal
331 244TH ST	28	100%	6.7	17.7	11.18	10.9	2.465	1.017	0.221	Normal
337 244TH ST	34	100%	5.79	13.6	9.876	9.68	2.166	0.0138	0.219	Normal
341 244TH ST	48	100%	6.4	17.6	10.76	11.1	2.332	0.13	0.217	--
344 249TH ST	35	100%	5.42	11	7.044	6.26	1.664	1.13	0.236	--
345 249TH ST	93	100%	4.91	9.81	6.997	7.06	0.975	0.224	0.139	Normal
347 244TH ST	32	100%	6	14.6	10.4	10.45	2.241	-0.319	0.215	Normal
348 248TH ST	49	100%	5.2	8.94	6.434	6.42	0.839	0.791	0.13	Normal
348 249TH ST	51	100%	4.88	10.7	6.986	6.34	1.598	0.884	0.229	--
351 244TH ST	32	100%	5.41	16	10.16	10.55	2.65	0.141	0.261	Normal
352 249TH ST	32	100%	5.09	9.7	6.714	6.675	1.139	1.043	0.17	Lognormal
353 249TH ST	32	100%	5.06	9.14	6.913	6.9	1.055	0.163	0.153	Normal
354 248TH ST	39	100%	5.85	7.96	6.91	6.89	0.481	0.234	0.0696	Normal
357 244TH ST	40	100%	5.16	24.1	10.59	10.5	3.345	1.494	0.316	Lognormal
357 249TH ST	24	100%	5.36	9.05	7.072	6.97	1.046	0.348	0.148	Normal
358 249TH ST	43	100%	2.76	9.25	5.983	5.81	1.397	0.449	0.233	Normal
360 248TH ST	48	100%	4.67	13.9	6.894	6.76	1.341	3.057	0.195	--
361 244TH ST	23	100%	4.7	14.7	9.945	10.5	2.694	-0.515	0.271	Normal
362 249TH ST	25	100%	4.62	10.9	6.858	6.45	1.682	1.034	0.245	Lognormal
363 249TH ST	27	100%	5.74	7.79	6.562	6.63	0.501	0.329	0.0764	Normal
364 248TH ST	48	100%	5.46	8.27	6.741	6.635	0.66	0.597	0.0978	Lognormal
367 244TH ST	13	100%	4.13	11.3	8.985	9.52	2.234	-1.528	0.249	--
367 249TH ST	46	100%	2.19	8.52	6.271	6.345	1.198	-1.251	0.191	--
368 249TH ST	55	100%	4.61	11.2	6.622	6.18	1.36	1.354	0.205	--
373 249TH ST	42	100%	4.2	8.26	6.142	6.18	0.755	-0.105	0.123	Normal
374 248TH ST	120	100%	2.19	10.4	6.999	6.945	0.898	-0.934	0.128	--
374 249TH ST	27	100%	3.81	9.2	6.757	6.28	1.371	0.381	0.203	Lognormal
377 244TH ST	32	100%	6.5	14.7	11.27	11.6	1.975	-0.444	0.175	Normal
377 249TH ST	33	100%	3.45	7.51	6.07	6.07	0.72	-1.119	0.119	--
378 249TH ST	41	100%	5.07	10	6.708	6.22	1.259	1.14	0.188	--
383 249TH ST	32	100%	5.01	7.48	6.065	6.02	0.656	0.251	0.108	Normal
402 249TH ST	32	100%	5.09	10.5	6.918	6.585	1.348	1.24	0.195	--
408 249TH ST	24	100%	5.45	8.97	6.406	6.135	0.809	1.62	0.126	--
412 249TH ST	77	100%	4.44	15.3	6.958	6.17	2.422	1.847	0.348	--

**Table 5-1.5**  
**Summary Descriptive Statistics for Copper**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	100%	8.39	41.5	21.18	19	7.862	1.461	0.371	--
24402 NEPTUNE AVE	48	100%	9.13	26.4	14.86	14.8	3.019	1.055	0.203	Normal
24402 PANAMA AVE	127	100%	3.96	47.9	19.27	18.7	7.492	0.776	0.389	--
24402 RAVENNA AVE	40	100%	12	34.5	19.08	18.1	5.634	1.101	0.295	Lognormal
24403 NEPTUNE AVE	46	100%	10.2	33.4	18.17	17.5	4.84	0.855	0.266	Normal
24403 RAVENNA AVE	62	100%	9.24	31.3	16.08	15.6	3.757	1.297	0.234	Lognormal
24405 MARBELLA AVE	25	100%	10.1	43.6	19.93	18.3	8.503	1.799	0.427	--
24406 MARBELLA AVE	40	100%	10.8	31.4	19.62	20.15	4.552	0.0181	0.232	Normal
24406 NEPTUNE AVE	28	100%	7.92	25.4	14.32	13.6	4.279	0.817	0.299	Normal
24406 PANAMA AVE	23	100%	9.36	27.3	17.98	18.3	5.486	0.131	0.305	Normal
24406 RAVENNA AVE	26	100%	10	27.2	15.84	15.1	3.897	1.04	0.246	Normal
24409 NEPTUNE AVE	24	100%	8.49	37.3	16.77	15.95	6.099	1.758	0.364	Lognormal
24409 RAVENNA AVE	33	100%	9.45	27.5	16.39	15.6	3.73	0.769	0.228	Normal
24410 PANAMA AVE	33	100%	8.16	36.4	14.89	14.2	5.283	2.104	0.355	Lognormal
24411 MARBELLA AVE	69	100%	10.3	38	21.38	21.4	4.692	0.701	0.219	Normal
24411 PANAMA AVE	37	100%	11.4	92.6	23.73	19.5	15.98	3.319	0.674	--
24412 MARBELLA AVE	31	100%	10.4	1190	88.46	20.9	242.8	4.028	2.745	--
24412 RAVENNA AVE	61	100%	9.46	23.5	15.05	14.3	3.917	0.293	0.26	--
24413 NEPTUNE AVE	24	100%	8.53	40.8	17.1	16.5	7.181	2.085	0.42	Lognormal
24413 RAVENNA AVE	28	100%	5.87	53.4	17.2	13.9	10.42	2.092	0.606	Lognormal
24416 MARBELLA AVE	50	100%	8.57	36.4	17.85	17.3	6.164	0.933	0.345	Lognormal
24416 NEPTUNE AVE	21	100%	8.86	18.7	13.79	13.5	3.007	0.155	0.218	Normal
24416 PANAMA AVE	33	100%	8.61	20	13.93	14.3	2.946	0.117	0.211	Normal
24416 RAVENNA AVE	42	100%	8.02	42.3	14.61	13.65	5.713	2.813	0.391	Lognormal
24417 MARBELLA AVE	8	100%	19.1	27.4	22.49	21.85	3.18	0.653	0.141	Normal
24417 PANAMA AVE	47	100%	7.4	27.1	15.72	14.7	4.297	0.518	0.273	Normal
24419 NEPTUNE AVE	32	100%	7.86	40.2	15.55	14.4	5.869	2.444	0.377	Lognormal
24419 RAVENNA AVE	32	100%	5.45	20.3	12.62	13.4	3.597	-0.0369	0.285	Normal
24420 PANAMA AVE	33	100%	5.82	19.9	12.48	11.8	3.538	0.292	0.283	Normal
24421 PANAMA AVE	30	100%	7.9	24.7	15.4	15.4	4.352	0.255	0.283	Normal
24422 MARBELLA AVE	43	100%	7.87	54.7	17.19	16.4	7.861	3.015	0.457	--
24422 NEPTUNE AVE	36	100%	9.57	33.1	15.46	15.15	4.961	1.575	0.321	Lognormal
24422 RAVENNA AVE	29	100%	9.29	29.4	14.61	14.5	4.074	1.549	0.279	Lognormal
24423 MARBELLA AVE	13	100%	15.7	56.5	24.82	22.6	10.51	2.612	0.423	--
24423 NEPTUNE AVE	37	100%	6.78	23.1	14.76	14.5	4.117	0.101	0.279	Normal
24423 RAVENNA AVE	40	100%	6.65	20.3	11.76	11.6	3.295	0.876	0.28	Lognormal
24426 MARBELLA AVE	24	100%	7.91	44.2	17.05	16.1	7.212	2.376	0.423	Lognormal
24426 NEPTUNE AVE	30	100%	6.93	24.6	13.11	11	4.859	1.143	0.371	Lognormal
24426 PANAMA AVE	30	100%	4.74	23	13.79	12.85	4.474	0.117	0.324	Normal
24426 RAVENNA AVE	49	100%	7.38	23.9	14.46	13.9	4.366	0.408	0.302	Normal
24427 MARBELLA AVE	25	100%	13.8	31.1	21.79	21.7	4.258	0.0806	0.195	Normal
24427 PANAMA AVE	38	100%	8.51	60.1	16.12	15.4	8.359	4.103	0.519	Lognormal
24429 NEPTUNE AVE	19	100%	9.42	20.1	13.64	13.6	2.837	0.474	0.208	Normal
24429 RAVENNA AVE	29	100%	6.47	24.9	13.01	11.7	4.182	0.903	0.321	Normal
24430 PANAMA AVE	30	100%	3.07	43.3	12.24	10.95	7.432	2.748	0.607	Lognormal
24431 PANAMA AVE	35	100%	8.61	31	17.56	17.3	5.195	0.264	0.296	Normal
24432 MARBELLA AVE	67	100%	8.02	35	16.35	16.6	4.179	1.002	0.256	Normal
24433 MARBELLA AVE	27	100%	17.3	35.2	23.06	20.8	5.592	0.948	0.242	--
24436 PANAMA AVE	35	100%	2.76	12.8	7.758	8.54	2.724	-0.297	0.351	Normal
24502 MARBELLA AVE	51	100%	8.53	32	16.7	16.3	5.515	0.658	0.33	Normal
24502 NEPTUNE AVE	58	100%	6.33	36	11.21	10.2	4.407	3.289	0.393	Lognormal
24502 PANAMA AVE	48	100%	1.53	16.9	7.519	7.705	2.937	0.269	0.391	Normal
24502 RAVENNA AVE	44	100%	6.99	19	11.37	10.7	2.832	0.652	0.249	Lognormal
24503 MARBELLA AVE	29	100%	13	46	21.02	19.1	6.063	2.694	0.288	--

**Table 5-1.5**  
**Summary Descriptive Statistics for Copper**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	100%	4.44	24.3	15.68	15.45	4.11	0.00012929	0.262	Normal
24503 PANAMA AVE	28	100%	7.28	21.2	14.71	14.55	3.453	0.0506	0.235	Normal
24503 RAVENNA AVE	34	100%	7.42	36.2	12.9	11.25	5.673	2.189	0.44	--
24506 MARBELLA AVE	36	100%	8.59	36.4	17.88	18	4.892	1.658	0.274	Lognormal
24507 MARBELLA AVE	36	100%	9.86	37.3	21.86	19.35	6.885	0.408	0.315	Normal
24508 NEPTUNE AVE	40	100%	8.21	20.8	14.02	13.65	3.37	0.175	0.24	Normal
24508 PANAMA AVE	24	100%	2.34	15.4	7.835	8.665	3.123	-0.0753	0.399	--
24508 RAVENNA AVE	39	100%	7.57	23.5	13.32	12.6	3.833	0.557	0.288	--
24509 NEPTUNE AVE	31	100%	9.02	21.8	14.44	13.8	3.222	0.63	0.223	Normal
24509 PANAMA AVE	47	100%	8.7	33.3	13.83	12.5	4.743	1.867	0.343	Lognormal
24509 RAVENNA AVE	37	100%	7.32	39.2	14.83	13.9	5.907	2.09	0.398	Lognormal
24512 MARBELLA AVE	48	100%	8.88	36.5	19.26	19	5.837	0.68	0.303	Normal
24512 NEPTUNE AVE	36	100%	7.87	28.5	14.33	13.25	4.474	1.165	0.312	Lognormal
24512 PANAMA AVE	28	100%	1.91	13	6.861	7.625	3.156	-0.266	0.46	--
24512 RAVENNA AVE	46	100%	7.58	23.1	13.59	13.3	3.998	0.592	0.294	Normal
24513 NEPTUNE AVE	37	100%	6.12	29.4	14.67	14.1	4.82	0.66	0.328	Normal
24513 PANAMA AVE	51	100%	6.01	24.6	12.23	11.5	3.794	0.817	0.31	Lognormal
24513 RAVENNA AVE	30	100%	6.5	22.6	14.58	13.85	4.341	0.174	0.298	Normal
24516 MARBELLA AVE	30	100%	7.42	28	17.81	18.35	4.826	-0.518	0.271	Normal
24517 MARBELLA AVE	12	100%	17.5	29.6	23.2	22.35	4.915	0.182	0.212	Normal
24518 NEPTUNE AVE	45	100%	7.92	22.3	14.57	14.7	4.184	0.0576	0.287	Normal
24518 PANAMA AVE	42	100%	1.87	27.1	7.995	8.495	5.291	1.979	0.662	--
24518 RAVENNA AVE	30	100%	8.65	21.4	15.25	16.3	4.087	-0.163	0.268	Normal
24519 NEPTUNE AVE	35	100%	8.56	22.3	14.02	13.1	4.078	0.457	0.291	Normal
24519 PANAMA AVE	30	100%	3.04	18.7	11.18	10.95	4.088	-0.03	0.366	Normal
24522 MARBELLA AVE	27	100%	7.88	35.7	22.88	23.4	6.458	-0.258	0.282	Normal
24522 NEPTUNE AVE	28	100%	7.05	22.8	15.13	16	4.277	-0.219	0.283	Normal
24522 PANAMA AVE	36	100%	1.01	19.9	7.145	7.665	3.706	0.841	0.519	--
24522 RAVENNA AVE	35	100%	2.01	23.4	11.72	11	4.629	0.433	0.395	Normal
24523 MARBELLA AVE	45	100%	7.27	31.6	21.26	20.7	5.173	-0.0868	0.243	Normal
24523 NEPTUNE AVE	37	100%	8.26	27.4	15.78	15.1	5.312	0.557	0.337	Normal
24523 RAVENNA AVE	17	100%	7.68	18	13.05	14	3.073	-0.222	0.235	Normal
24526 MARBELLA AVE	36	100%	7.36	37.8	19.21	19.35	6.104	0.429	0.318	Normal
24528 NEPTUNE AVE	31	100%	2.8	21.2	8.784	7.82	4.636	1.609	0.528	Lognormal
24528 PANAMA AVE	39	100%	0.51	28.2	6.216	6.2	4.586	2.912	0.738	--
24529 NEPTUNE AVE	32	100%	8.87	37.3	15.21	14.15	5.574	2.117	0.366	Lognormal
24529 PANAMA AVE	24	100%	2.05	13.2	7.662	7.82	2.953	-0.227	0.385	Normal
24529 RAVENNA AVE	26	100%	2.65	41.6	13.99	12.2	9.361	1.475	0.669	Lognormal
24532 MARBELLA AVE	27	100%	8.07	36.1	20.79	21.2	6.804	0.037	0.327	Normal
24532 NEPTUNE AVE	21	100%	3.59	80.8	15.7	10.2	16.73	3.185	1.066	Lognormal
24532 PANAMA AVE	23	100%	2.73	26.6	9.643	9.18	4.716	2.052	0.489	Lognormal
24532 RAVENNA AVE	29	100%	1.97	12.1	7.69	8.17	2.754	-0.897	0.358	--
24533 MARBELLA AVE	25	100%	16.5	170	31.41	24.5	29.82	4.526	0.949	--
24533 PANAMA AVE	29	100%	2.19	16.7	8.762	8.67	3.047	-0.208	0.348	Normal
24533 RAVENNA AVE	52	100%	1.8	17.5	7.557	7.79	3.092	0.757	0.409	--
24602 MARBELLA AVE	34	100%	7.63	31.5	20.77	21.35	5.927	-0.358	0.285	Normal
24602 NEPTUNE AVE	33	100%	3.37	12.5	8.235	8.26	2.401	-0.134	0.292	Normal
24602 PANAMA AVE	40	100%	2.25	17.5	9.412	8.97	3.64	0.498	0.387	Normal
24602 RAVENNA AVE	28	100%	4.3	16.3	9.264	9.035	2.822	0.489	0.305	--
24603 MARBELLA AVE	26	100%	14.3	30.5	22.69	23.7	4.674	-0.0666	0.206	Normal
24603 NEPTUNE AVE	49	100%	2.82	26.3	10.93	9.98	4.453	1.09	0.407	Lognormal
24603 PANAMA AVE	30	100%	6.71	14.5	9.877	9.98	2.044	0.587	0.207	Normal
24603 RAVENNA AVE	31	100%	3.45	19.4	7.848	7.78	2.932	1.811	0.374	--
24606 MARBELLA AVE	63	100%	3.67	30.2	16.77	17.9	6.771	-0.277	0.404	--



**Table 5-1.5**  
**Summary Descriptive Statistics for Copper**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	100%	2.35	37.1	19.73	19.8	7.675	-0.248	0.389	Normal
24608 NEPTUNE AVE	37	100%	3.67	46.5	12.26	8.88	9.243	2.191	0.754	--
24608 PANAMA AVE	22	100%	3.73	26	10.3	9.905	4.58	2.113	0.445	Lognormal
24608 RAVENNA AVE	40	100%	2.43	29.8	9.95	8.535	5.939	2.003	0.597	--
24609 NEPTUNE AVE	30	100%	4.62	22.4	13.07	11.35	5.418	0.263	0.415	--
24609 PANAMA AVE	34	100%	3.93	21.8	11.16	10.85	4.182	0.631	0.375	Normal
24609 RAVENNA AVE	45	100%	3.31	21.2	7.732	7.56	2.851	2.703	0.369	--
24612 MARBELLA AVE	51	100%	6.61	54.3	18.31	18.4	7.482	1.951	0.409	--
24612 NEPTUNE AVE	47	100%	4.12	105	10.81	8.51	14.22	6.586	1.315	--
24612 PANAMA AVE	33	100%	5.89	17.8	9.773	8.85	2.956	1.373	0.302	--
24612 RAVENNA AVE	46	100%	3.67	64.3	11.22	9.505	8.936	4.849	0.796	Lognormal
24613 MARBELLA AVE	52	100%	15.3	35.9	22.55	22.65	4.515	0.925	0.2	Lognormal
24613 NEPTUNE AVE	39	100%	7.69	21	13.4	13.3	4.295	0.128	0.321	--
24613 PANAMA AVE	51	100%	6.4	23.2	10.9	9.82	3.867	1.383	0.355	Lognormal
24613 RAVENNA AVE	33	100%	5.71	13.1	8.521	7.82	2.131	1.015	0.25	Lognormal
24616 MARBELLA AVE	46	100%	3.71	27.8	14.15	12.95	6.832	0.394	0.483	Lognormal
24617 MARBELLA AVE	34	100%	11.4	47.4	25.28	24.3	8.231	0.778	0.326	Normal
24618 NEPTUNE AVE	26	100%	7.58	18.5	11.77	11.05	3.323	0.761	0.282	Lognormal
24618 PANAMA AVE	28	100%	4.86	18.6	9.793	9.065	3.403	1.047	0.347	Lognormal
24618 RAVENNA AVE	40	100%	5.93	17.8	8.852	8.405	2.458	1.731	0.278	Lognormal
24619 NEPTUNE AVE	28	100%	8.05	23	13.38	12.55	4.177	0.717	0.312	Normal
24619 PANAMA AVE	38	100%	4.4	16.3	9.946	9.585	2.743	0.259	0.276	Normal
24619 RAVENNA AVE	35	100%	6.55	14.4	9.374	8.64	2.227	0.975	0.238	Lognormal
24622 MARBELLA AVE	53	100%	3.46	38.4	16.95	18	9.073	0.42	0.535	--
24622 NEPTUNE AVE	34	100%	7.09	19	10.36	9.67	2.922	1.489	0.282	Lognormal
24623 MARBELLA AVE	32	100%	12.1	48.1	23.7	22.3	6.573	1.564	0.277	Normal
24623 NEPTUNE AVE	36	100%	7.7	30.7	14.72	14.7	4.655	0.991	0.316	Normal
24627 MARBELLA AVE	48	100%	7.2	33.6	22.15	22.95	6.511	-0.148	0.294	Normal
24628 MARBELLA AVE	52	100%	3.97	39.3	17.1	17.15	8.117	0.49	0.475	Normal
24628 NEPTUNE AVE	18	100%	6.2	14.7	8.964	8.055	2.247	1.431	0.251	Lognormal
24629 NEPTUNE AVE	39	100%	8.02	26.6	13.86	14.5	3.88	0.724	0.28	Normal
24632 NEPTUNE AVE	20	100%	6.46	20.6	10.59	8.825	4.029	1.708	0.381	--
24633 MARBELLA AVE	40	100%	5.99	37.5	20.93	21.7	8.274	-0.0906	0.395	Normal
24700 MARBELLA AVE	46	100%	2.79	36.8	15.6	14.75	6.386	0.953	0.409	--
24700 RAVENNA AVE	56	100%	5.11	16.5	8.961	8.17	2.45	1.315	0.273	--
24702 NEPTUNE AVE	46	100%	7.21	15.9	10.04	9.345	2.139	1.211	0.213	--
24702 PANAMA AVE	30	100%	5.93	51.7	13.89	11.15	9.107	2.989	0.656	--
24703 MARBELLA AVE	36	100%	4.91	74.2	20.58	20.65	12.78	2.143	0.621	--
24703 NEPTUNE AVE	39	100%	7.89	20.9	13.83	14	3.844	-0.0204	0.278	Normal
24703 RAVENNA AVE	53	100%	5.8	34.4	10.75	9.49	4.296	3.453	0.4	--
24706 MARBELLA AVE	43	100%	3.6	23.8	13.85	14	5.378	0.202	0.388	Normal
24706 RAVENNA AVE	33	100%	6.41	18.8	10.53	9.38	3.211	1.153	0.305	--
24707 MARBELLA AVE	37	100%	5.98	26	13.75	11.7	5.596	0.618	0.407	Lognormal
24708 PANAMA AVE	37	100%	6.26	25.8	13.77	13.4	4.957	0.67	0.36	Normal
24709 NEPTUNE AVE	37	100%	6.2	21.5	12.43	12.1	3.607	0.585	0.29	Normal
24709 PANAMA AVE	43	100%	6.44	17.9	10.89	10.6	2.797	0.562	0.257	Normal
24709 RAVENNA AVE	52	100%	6.44	19.1	9.715	9.115	2.308	1.735	0.238	--
24710 MARBELLA AVE	43	100%	4.02	36.8	16.29	15	7.137	0.691	0.438	Lognormal
24712 NEPTUNE AVE	32	100%	7.39	16.4	9.663	8.96	2.146	1.784	0.222	--
24712 PANAMA AVE	27	100%	6.63	16.7	10.73	10.2	2.6	1.01	0.242	Lognormal
24712 RAVENNA AVE	45	100%	6.53	26.8	9.968	8.53	3.859	2.938	0.387	--
24713 MARBELLA AVE	37	100%	6	26.7	13.89	11.7	6.256	0.626	0.45	Lognormal
24713 PANAMA AVE	34	100%	8.7	24.9	13.37	12.6	3.287	1.591	0.246	Lognormal
24713 RAVENNA AVE	35	100%	6.56	18	9.293	9.17	2.044	2.316	0.22	Lognormal

**Table 5-1.5**  
**Summary Descriptive Statistics for Copper**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	6.95	20.1	13.26	14.1	3.635	-0.112	0.274	--
24716 MARBELLA AVE	30	100%	6.49	25	15.18	15.9	5.389	0.0291	0.355	Normal
24716 RAVENNA AVE	15	100%	7.58	16.3	9.999	9.5	2.271	2.046	0.227	--
24717 MARBELLA AVE	38	100%	4.34	25.2	10.9	9.195	4.978	1.38	0.456	--
24718 NEPTUNE AVE	65	100%	6.21	16.3	9.37	8.92	2.199	1.574	0.235	--
24718 PANAMA AVE	33	100%	6.15	26.3	11.62	10.2	4.776	1.665	0.411	--
24719 NEPTUNE AVE	33	100%	3.9	36.5	14.34	11.5	7.495	1.455	0.523	Lognormal
24719 PANAMA AVE	28	100%	7.46	22.7	11.63	11.05	3.501	1.46	0.301	Lognormal
24719 RAVENNA AVE	45	100%	6.55	33.3	10.11	9.18	4.191	4.195	0.414	--
24722 MARBELLA AVE	34	100%	6.5	25	13.19	12	5.262	0.885	0.399	--
24722 NEPTUNE AVE	40	100%	1.66	14.4	8.5	8.3	2.278	0.302	0.268	--
24722 PANAMA AVE	18	100%	5.63	14.2	8.678	8.48	1.834	1.319	0.211	Normal
24722 RAVENNA AVE	41	100%	6.3	19.7	9.344	8.8	2.869	2.19	0.307	--
24723 MARBELLA AVE	22	100%	2.8	28.2	11.72	9.185	6.236	1.107	0.532	--
24723 RAVENNA AVE	37	100%	5.49	32.5	10.09	8.31	5.499	2.871	0.545	--
24725 NEPTUNE AVE	35	100%	5.64	22.1	9.574	8.67	3.256	2.131	0.34	--
24726 MARBELLA AVE	49	100%	3.2	27.8	15.17	15.7	6.004	-0.102	0.396	Normal
24726 RAVENNA AVE	37	100%	4.83	17.6	7.679	7.77	2.165	2.532	0.282	--
24727 MARBELLA AVE	40	100%	3.38	27.8	11.67	10.65	5.479	0.863	0.469	--
24728 NEPTUNE AVE	33	100%	5.3	22.2	8.299	8.02	2.772	4.071	0.334	--
24728 PANAMA AVE	31	100%	4.92	41	13.32	10.2	8.402	1.913	0.631	Lognormal
24729 NEPTUNE AVE	35	100%	6.16	21.4	10.21	9.57	3.147	2.096	0.308	--
24729 PANAMA AVE	34	100%	5.96	14.7	8.921	9.225	1.801	0.703	0.202	Normal
24729 RAVENNA AVE	16	100%	5.41	23.5	8.791	7.95	4.258	3.02	0.484	Lognormal
24732 MARBELLA AVE	37	100%	1.22	24.9	10.43	8.86	5.511	0.851	0.528	Lognormal
24732 NEPTUNE AVE	35	100%	5.41	22.3	9.653	8.9	3.21	2.32	0.333	--
24732 PANAMA AVE	33	100%	4.86	29.9	10.37	8.9	4.935	2.478	0.476	Lognormal
24732 RAVENNA AVE	42	100%	5.19	17.4	8.174	8.155	1.872	2.809	0.229	--
24733 MARBELLA AVE	32	100%	2.54	27.2	11.36	9.8	6.08	1.054	0.535	Lognormal
24733 PANAMA AVE	38	100%	6.64	31.4	11.11	10.15	4.298	3.103	0.387	--
24733 RAVENNA AVE	40	100%	5.89	13.2	8.736	8.275	1.781	0.618	0.204	Normal
24735 NEPTUNE AVE	36	100%	5.05	125	11.34	8.05	19.57	5.917	1.726	--
24736 MARBELLA AVE	52	100%	3.23	21.8	12.11	10.75	4.684	0.525	0.387	Lognormal
24736 RAVENNA AVE	43	100%	6.87	18.3	9.379	8.85	1.834	3.094	0.196	--
24737 MARBELLA AVE	28	100%	6.19	21.6	10.7	10.4	3.126	1.584	0.292	Normal
24738 NEPTUNE AVE	51	100%	5.56	13.9	8.828	8.63	1.526	0.836	0.173	--
24738 PANAMA AVE	32	100%	3.99	22	9.195	8.915	3.382	1.877	0.368	Lognormal
24739 NEPTUNE AVE	41	100%	5.68	18.9	9.021	8.72	2.07	2.655	0.229	--
24739 PANAMA AVE	43	100%	5.77	14.2	8.793	8.59	1.761	0.954	0.2	Normal
24739 RAVENNA AVE	42	100%	5	18.2	8.907	8.73	2.296	1.552	0.258	Lognormal
24740 MARBELLA AVE	64	100%	3.45	21.6	10.51	9.62	3.798	1.214	0.361	Lognormal
24741 MARBELLA AVE	12	100%	6.69	17.3	11.48	11.55	2.753	0.276	0.24	Normal
24743 RAVENNA AVE	42	100%	5.17	13.1	8.859	8.69	1.472	0.94	0.166	--
24744 MARBELLA AVE	25	100%	5.54	22.5	10.21	9.97	3.118	2.5	0.306	Lognormal
24748 RAVENNA AVE	24	100%	7.8	13.5	9.375	9.115	1.276	1.852	0.136	--
24749 RAVENNA AVE	43	100%	7.33	28.2	10.18	9.74	3.399	3.75	0.334	--
24752 RAVENNA AVE	45	100%	6.57	19.7	8.922	8.27	2.367	3.047	0.265	--
24802 PANAMA AVE	47	100%	4.24	15.7	8.23	8.11	2.412	0.859	0.293	Lognormal
24803 NEPTUNE AVE	32	100%	5.52	15.3	8.59	8.355	2.122	1.71	0.247	Lognormal
24803 PANAMA AVE	18	100%	5.58	10.1	7.564	7.405	1.105	0.361	0.146	Normal
24809 NEPTUNE AVE	27	100%	5.48	10.4	8.415	8.63	1.302	-0.642	0.155	Normal
24809 PANAMA AVE	36	100%	7.34	21.8	9.984	9.085	2.938	2.603	0.294	--
24812 PANAMA AVE	29	100%	5.31	13.8	7.866	7.36	2.088	1.15	0.265	Lognormal
24813 PANAMA AVE	15	100%	6.84	30.1	13.04	9.5	7.832	1.398	0.601	--

**Table 5-1.5**  
**Summary Descriptive Statistics for Copper**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	100%	4.84	23.1	11.1	9.79	4.463	1.582	0.402	--
24818 PANAMA AVE	34	100%	4.94	17.6	7.846	7.175	2.43	2.277	0.31	--
24819 PANAMA AVE	34	100%	6.98	51.7	10.35	8.385	7.719	5.012	0.746	--
24822 PANAMA AVE	43	100%	5.65	74.9	9.924	7.7	10.4	6.076	1.048	--
24823 PANAMA AVE	39	100%	6.42	15.7	9.522	9.01	2.138	1.073	0.224	Lognormal
24825 NEPTUNE AVE	98	100%	6.07	24.9	9.136	8.7	2.576	2.936	0.282	--
24828 PANAMA AVE	36	100%	5.04	17.5	8.29	7.575	2.913	1.673	0.351	Lognormal
24829 PANAMA AVE	48	100%	6.42	18.1	8.897	8.895	1.877	2.573	0.211	Lognormal
24832 PANAMA AVE	38	100%	5.89	19.7	8.714	8.405	2.504	2.429	0.287	Lognormal
24833 PANAMA AVE	43	100%	5.88	23.2	9.112	8.78	2.722	3.569	0.299	--
24838 PANAMA AVE	28	100%	6.29	18.6	9.095	8.435	2.447	2.297	0.269	Lognormal
24904 NEPTUNE AVE	74	100%	2.9	17.2	9.065	8.68	1.758	1.215	0.194	--
24912 NEPTUNE AVE	36	100%	5.99	18.2	8.658	7.97	2.507	2.041	0.29	--
301 244TH ST	29	100%	7.81	37.7	18.65	17	7.083	1.161	0.38	Lognormal
305 244TH ST	54	100%	6.36	78.3	19.04	17.7	11.43	3.174	0.6	--
311 244TH ST	71	100%	8.57	115	25.05	22.1	16.2	3.721	0.647	--
317 244TH ST	58	100%	11.2	35.4	21.63	22.65	5.56	0.0706	0.257	Normal
321 244TH ST	40	100%	12.3	58.1	24.95	23.35	9.073	1.53	0.364	Lognormal
327 244TH ST	12	100%	16.5	27.9	20.57	19	4.026	0.927	0.196	Normal
331 244TH ST	28	100%	8.13	38.3	21.43	20.8	5.98	0.593	0.279	Normal
337 244TH ST	34	100%	7.98	37.7	18.45	18.85	6.016	0.672	0.326	Normal
341 244TH ST	48	100%	10.8	34.4	19.34	20.25	5.184	0.23	0.268	Normal
344 249TH ST	35	100%	6.12	22.4	9.944	9.76	2.961	2.673	0.298	--
345 249TH ST	93	100%	5.9	26.6	9.869	9.3	3.001	3.634	0.304	--
347 244TH ST	32	100%	9.65	35.2	19	19.2	6.259	0.451	0.329	Normal
348 248TH ST	49	100%	5.61	12.2	8.698	8.68	1.657	0.128	0.191	Normal
348 249TH ST	51	100%	6.34	31.7	9.576	8.85	3.495	5.259	0.365	--
351 244TH ST	32	100%	10	24.7	16.9	16.95	4.375	0.0983	0.259	Normal
352 249TH ST	32	100%	6.05	17.8	9.148	8.25	2.679	1.598	0.293	--
353 249TH ST	32	100%	6.09	13.3	9.486	9.42	1.677	0.185	0.177	Normal
354 248TH ST	39	100%	7.49	27.4	9.941	8.52	3.719	3.238	0.374	--
357 244TH ST	40	100%	9.3	37.2	16.69	16.55	5.174	1.443	0.31	--
357 249TH ST	24	100%	7	12.6	9.69	9.665	1.578	0.296	0.163	Normal
358 249TH ST	43	100%	4	11.5	7.627	7.63	1.747	-0.0019	0.229	Normal
360 248TH ST	48	100%	5.81	17.8	8.855	8.715	1.559	4.028	0.176	--
361 244TH ST	23	100%	8.28	29.7	17.56	17.3	5.291	0.335	0.301	Normal
362 249TH ST	25	100%	5.72	14.7	8.847	8.56	2.19	0.838	0.248	Normal
363 249TH ST	27	100%	7.49	36.3	14.45	9.51	8.868	1.324	0.613	--
364 248TH ST	48	100%	6.68	158	18.83	10.01	28.07	3.807	1.491	--
367 244TH ST	13	100%	7.47	35.2	18.12	16.9	6.961	0.867	0.384	Normal
367 249TH ST	46	100%	2.88	12.8	8.939	8.72	1.939	-0.528	0.217	--
368 249TH ST	55	100%	5.49	13.9	8.571	8.38	1.923	0.938	0.224	Lognormal
373 249TH ST	42	100%	6.63	23.3	9.789	8.435	4.02	2.064	0.411	--
374 248TH ST	120	100%	2.42	40.6	10.01	8.9	4.591	4.042	0.459	--
374 249TH ST	27	100%	5.16	14.1	8.9	8.33	2.128	0.948	0.239	Normal
377 244TH ST	32	100%	12.2	30.3	19.59	19.15	3.922	0.904	0.2	Normal
377 249TH ST	33	100%	4.7	17.9	8.587	7.83	2.499	1.976	0.291	--
378 249TH ST	41	100%	5.04	12.9	8.801	8.31	1.815	0.41	0.206	--
383 249TH ST	32	100%	5.87	20	9.023	7.965	3.189	2.144	0.353	--
402 249TH ST	32	100%	6.49	17.2	9.508	9.08	2.33	1.198	0.245	Normal
408 249TH ST	24	100%	5.93	45.9	13.8	9.555	10.61	2.266	0.769	--
412 249TH ST	77	100%	3.71	29.8	10.11	8.57	5.542	2.314	0.548	--

**Table 5-1.6**  
**Summary Descriptive Statistics for Lead**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	100%	4.17	87	11.51	8.22	14.13	5.089	1.228	--
24402 NEPTUNE AVE	48	100%	4.9	24.6	8.432	7.915	2.94	3.63	0.349	Lognormal
24402 PANAMA AVE	127	100%	3.3	50.1	9.056	8	5.822	4.168	0.643	--
24402 RAVENNA AVE	40	100%	4.5	38	9.567	7.215	7.28	2.891	0.761	--
24403 NEPTUNE AVE	46	100%	4.48	35	9.872	8.245	5.953	2.619	0.603	--
24403 RAVENNA AVE	62	100%	5.02	43.6	11.26	9.655	5.822	3.472	0.517	--
24405 MARBELLA AVE	25	100%	6.65	16	11.14	10.9	2.375	0.228	0.213	Normal
24406 MARBELLA AVE	40	100%	1.91	30.8	7.519	5.835	6.132	2.413	0.816	--
24406 NEPTUNE AVE	28	100%	4.35	62.7	11.16	7.27	13.48	3.47	1.208	--
24406 PANAMA AVE	23	100%	2.52	58.7	15.94	9.53	16.29	1.56	1.022	Lognormal
24406 RAVENNA AVE	26	100%	5.6	27.2	10.22	8.155	5.646	2.096	0.552	--
24409 NEPTUNE AVE	24	100%	5.99	72.5	17.03	9.785	17.27	2.545	1.014	--
24409 RAVENNA AVE	33	100%	5.37	177	14.55	7.15	30.19	5.221	2.074	--
24410 PANAMA AVE	33	100%	2.21	35.9	10.4	7.38	8.093	1.849	0.778	Lognormal
24411 MARBELLA AVE	69	100%	2.11	88.5	9.186	6.3	11.52	5.403	1.254	--
24411 PANAMA AVE	37	100%	4.28	81.9	16.4	9.96	18.59	2.761	1.133	--
24412 MARBELLA AVE	31	100%	6.33	87	17.87	9.88	20.04	2.565	1.121	--
24412 RAVENNA AVE	61	100%	4.95	39.5	8.497	7.5	4.588	5.388	0.54	--
24413 NEPTUNE AVE	24	100%	5.88	59.1	12.02	8.435	11.46	3.487	0.954	--
24413 RAVENNA AVE	28	100%	3.63	83.5	13.72	7.475	17.21	3.161	1.255	--
24416 MARBELLA AVE	50	98%	1.57	115	8.471	4.51	16.38	6.017	1.933	--
24416 NEPTUNE AVE	21	100%	5.93	100	13.45	8.46	19.99	4.465	1.487	--
24416 PANAMA AVE	33	100%	1.02	32.3	9.318	6.21	8.336	1.673	0.895	Lognormal
24416 RAVENNA AVE	42	100%	3.94	64.4	8.768	6.975	9.219	5.645	1.051	--
24417 MARBELLA AVE	8	100%	4.5	22.4	9.354	8.24	5.531	2.308	0.591	Lognormal
24417 PANAMA AVE	47	100%	5.41	32.4	11.5	9.33	6.799	2.089	0.591	--
24419 NEPTUNE AVE	32	100%	5.57	39.5	11.48	8.165	8.504	2.484	0.741	--
24419 RAVENNA AVE	32	100%	2.54	29.1	7.938	6.76	5.377	3.141	0.677	--
24420 PANAMA AVE	33	100%	2.54	89.5	11.17	8.37	15.18	4.621	1.359	Lognormal
24421 PANAMA AVE	30	100%	3.76	39.6	9.388	8.13	6.41	3.836	0.683	--
24422 MARBELLA AVE	43	100%	1.22	39.7	6.905	5.49	6.342	3.6	0.918	Lognormal
24422 NEPTUNE AVE	36	100%	5.07	51.4	10.37	7.81	8.478	3.846	0.818	--
24422 RAVENNA AVE	29	100%	6.61	20.2	9.703	9.06	3.001	2.179	0.309	--
24423 MARBELLA AVE	13	100%	5.07	63.5	11.8	7.33	15.61	3.543	1.323	--
24423 NEPTUNE AVE	37	100%	1.75	18.4	6.042	4.98	3.535	2.008	0.585	Lognormal
24423 RAVENNA AVE	40	100%	3.15	14.5	6.497	6.01	2.52	1.214	0.388	Lognormal
24426 MARBELLA AVE	24	100%	2.35	59.4	11.35	5.905	12.51	2.765	1.102	Lognormal
24426 NEPTUNE AVE	30	100%	4.44	20.8	8.466	6.825	4.226	1.673	0.499	--
24426 PANAMA AVE	30	100%	2.13	40.4	8.703	7.39	6.929	3.492	0.796	Lognormal
24426 RAVENNA AVE	49	100%	4.22	49.1	10.79	8.01	7.384	3.238	0.685	--
24427 MARBELLA AVE	25	100%	3.95	18.5	8.595	8.15	3.375	0.991	0.393	Normal
24427 PANAMA AVE	38	100%	5.13	81.8	11.72	8.05	13.11	4.579	1.118	--
24429 NEPTUNE AVE	19	100%	5.33	21.1	9.175	7.59	4.324	1.555	0.471	--
24429 RAVENNA AVE	29	100%	1.47	23.5	8.218	6.13	5.377	1.331	0.654	Lognormal
24430 PANAMA AVE	30	100%	1.08	66.8	9.567	5.755	12.44	3.702	1.301	--
24431 PANAMA AVE	35	100%	3.6	36.4	8.413	5.09	7.638	2.604	0.908	--
24432 MARBELLA AVE	67	100%	4.83	24.3	10.61	9.12	4.875	1.414	0.46	--
24433 MARBELLA AVE	27	100%	4.07	307	19.5	7.41	57.59	5.158	2.954	--
24436 PANAMA AVE	35	100%	0.87	17.5	5.547	5.44	3.65	1.882	0.658	--
24502 MARBELLA AVE	51	100%	3.28	1330	35.06	7.59	185	7.13	5.278	--
24502 NEPTUNE AVE	58	100%	2.55	29.8	6.091	5.16	4.313	3.887	0.708	--
24502 PANAMA AVE	48	100%	0.31	12.5	4.975	4.94	2.796	0.416	0.562	Normal
24502 RAVENNA AVE	44	100%	4.18	33	9.609	7.965	5.712	2.549	0.594	--
24503 MARBELLA AVE	29	100%	5.83	19	8.593	7.74	2.631	2.507	0.306	--

**Table 5-1.6**  
**Summary Descriptive Statistics for Lead**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	100%	3.91	21.9	8.971	7.785	3.956	1.608	0.441	--
24503 PANAMA AVE	28	100%	3.73	32.5	7.411	6.06	5.442	3.909	0.734	--
24503 RAVENNA AVE	34	100%	3.85	14.1	7.145	6.565	2.51	0.944	0.351	Lognormal
24506 MARBELLA AVE	36	100%	5.08	60	11.86	9.38	9.455	4.119	0.797	--
24507 MARBELLA AVE	36	100%	5.35	21.3	9.264	8.07	2.968	2.09	0.32	--
24508 NEPTUNE AVE	40	100%	4.94	35.5	8.621	6.92	5.074	4.063	0.589	--
24508 PANAMA AVE	24	88%	0.37	12.9	6.054	5.76	2.776	0.365	0.459	--
24508 RAVENNA AVE	39	100%	2.7	52.8	8.27	5.82	8.7	4.179	1.052	--
24509 NEPTUNE AVE	31	100%	5.2	32.1	10.39	7.97	6.044	2.323	0.582	--
24509 PANAMA AVE	47	100%	4.11	48.4	9.647	7.65	7.123	3.997	0.738	--
24509 RAVENNA AVE	37	100%	4.27	73.4	11.81	7.09	13.57	3.375	1.149	--
24512 MARBELLA AVE	48	100%	3.6	31.8	8.149	6.75	4.627	3.222	0.568	--
24512 NEPTUNE AVE	36	100%	3.52	18.5	6.41	5.44	3.271	2.472	0.51	--
24512 PANAMA AVE	28	82%	0.51	15.1	5.771	5.7	2.957	1.281	0.512	--
24512 RAVENNA AVE	46	100%	3.27	53.6	8.268	7.285	7.056	6.134	0.853	--
24513 NEPTUNE AVE	37	100%	3.47	18.2	7.465	7.13	2.766	1.735	0.371	Lognormal
24513 PANAMA AVE	51	100%	3.3	20.5	6.729	5.87	3.432	2.076	0.51	Lognormal
24513 RAVENNA AVE	30	100%	3.14	26.7	7.81	6.42	5.391	2.472	0.69	--
24516 MARBELLA AVE	30	100%	4.69	17	8.912	7.435	3.861	1.082	0.433	--
24517 MARBELLA AVE	12	100%	4.67	19.6	9.514	7.195	5.148	1.276	0.541	Lognormal
24518 NEPTUNE AVE	45	100%	3.89	72.2	8.871	6.14	10.45	5.428	1.178	--
24518 PANAMA AVE	42	86%	0.41	96	8.257	3.88	15.84	5.161	1.918	--
24518 RAVENNA AVE	30	100%	3.72	20.8	7.59	6.415	4.439	1.834	0.585	--
24519 NEPTUNE AVE	35	100%	4.06	18.7	8.316	6.69	3.672	1.33	0.442	--
24519 PANAMA AVE	30	93%	3.73	34.3	9.781	7.185	7.667	2.419	0.784	--
24522 MARBELLA AVE	27	100%	1.1	15.1	6.234	6.17	3.354	0.585	0.538	Normal
24522 NEPTUNE AVE	28	100%	3.81	22	7.331	5.615	4.62	2.238	0.63	--
24522 PANAMA AVE	36	97%	0.3	26.6	5.383	4.89	4.557	3.067	0.847	--
24522 RAVENNA AVE	35	97%	0.79	16.9	6.405	6.445	2.949	1.234	0.46	Normal
24523 MARBELLA AVE	45	100%	3.44	148	14.78	8.09	23.61	4.679	1.597	--
24523 NEPTUNE AVE	37	100%	4.75	21.6	8.916	6.73	4.527	1.367	0.508	--
24523 RAVENNA AVE	17	100%	3.23	28.5	9.909	6.85	6.981	1.591	0.705	Lognormal
24526 MARBELLA AVE	36	100%	2.34	12.1	6.245	6.005	2.275	0.501	0.364	Normal
24528 NEPTUNE AVE	31	100%	1.41	15.1	5.88	5.36	3.188	1.252	0.542	Lognormal
24528 PANAMA AVE	39	100%	0.96	31.2	6.037	4.35	6.12	2.551	1.014	Lognormal
24529 NEPTUNE AVE	32	100%	3.39	29.9	7.983	6.57	4.978	3.025	0.624	Lognormal
24529 PANAMA AVE	24	100%	0.51	14.5	4.971	4.815	3.056	1.717	0.615	--
24529 RAVENNA AVE	26	100%	0.67	39.6	8.215	3.765	9.888	2.095	1.204	Lognormal
24532 MARBELLA AVE	27	100%	1.38	22.7	6.559	5.09	4.62	1.97	0.704	Lognormal
24532 NEPTUNE AVE	21	100%	2.31	51.7	15.2	10.8	14.48	1.292	0.953	Lognormal
24532 PANAMA AVE	23	100%	2.41	67.7	10.27	6.12	13.43	3.863	1.308	Lognormal
24532 RAVENNA AVE	29	100%	0.77	11.3	4.618	4.78	2.414	0.761	0.523	--
24533 MARBELLA AVE	25	100%	4.13	31	10.9	7.9	7.098	1.882	0.651	--
24533 PANAMA AVE	29	97%	0.23	22.2	5.766	4.92	4.465	2.243	0.774	--
24533 RAVENNA AVE	52	100%	1.02	20.6	4.928	4.845	2.916	3.193	0.592	--
24602 MARBELLA AVE	34	100%	2.89	26.2	10.27	9.3	5.248	1.563	0.511	--
24602 NEPTUNE AVE	33	100%	1.59	21	5.937	4.85	3.843	2.287	0.647	Lognormal
24602 PANAMA AVE	40	100%	0.94	76	11.37	4.06	17.69	2.744	1.555	--
24602 RAVENNA AVE	28	100%	1.8	42	6.685	5.01	7.509	4.194	1.123	--
24603 MARBELLA AVE	26	100%	4.25	32	11.19	8.21	7.11	1.593	0.635	Lognormal
24603 NEPTUNE AVE	49	100%	1.51	16.1	6.195	5.58	3.068	1.329	0.495	Lognormal
24603 PANAMA AVE	30	100%	5.23	44.4	9.324	7.385	7.547	4.006	0.809	--
24603 RAVENNA AVE	31	100%	1.78	73.8	7.075	4.47	12.95	4.935	1.831	--
24606 MARBELLA AVE	63	100%	1.58	22	6.38	5.67	3.726	1.657	0.584	Lognormal

**Table 5-1.6**  
**Summary Descriptive Statistics for Lead**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	100%	1.3	29.4	8.573	7.13	5.267	2.467	0.614	--
24608 NEPTUNE AVE	37	100%	1.94	76.2	12.97	5.07	16.92	2.251	1.304	--
24608 PANAMA AVE	22	100%	2.15	330	26.96	7.52	69.24	4.379	2.568	--
24608 RAVENNA AVE	40	100%	1.17	58.7	9.969	5.19	12.02	2.685	1.206	Lognormal
24609 NEPTUNE AVE	30	100%	1.68	14.9	6.652	5.6	3.371	1.279	0.507	Lognormal
24609 PANAMA AVE	34	100%	2.25	46.8	9.226	5.885	8.955	2.9	0.971	--
24609 RAVENNA AVE	45	100%	1.46	16.1	5.363	4.95	2.451	2.317	0.457	Lognormal
24612 MARBELLA AVE	51	100%	2.7	144	9.61	6.54	19.44	6.869	2.023	--
24612 NEPTUNE AVE	47	100%	2	17.2	5.822	5.07	2.945	2.226	0.506	Lognormal
24612 PANAMA AVE	33	100%	3.39	74.3	10.11	5.47	12.91	4.164	1.277	--
24612 RAVENNA AVE	46	100%	2.74	141	13.34	7.03	22.69	4.583	1.701	--
24613 MARBELLA AVE	52	100%	5.57	14.9	8.73	8.245	2.002	0.995	0.229	Lognormal
24613 NEPTUNE AVE	39	100%	3.89	18.9	7.451	5.86	3.783	1.798	0.508	--
24613 PANAMA AVE	51	100%	3.4	221	18.85	9.38	35.8	4.505	1.899	--
24613 RAVENNA AVE	33	100%	3.92	13.7	5.893	5.05	2.345	1.936	0.398	--
24616 MARBELLA AVE	46	100%	1.24	21	7.309	6.45	4.419	1.333	0.605	Lognormal
24617 MARBELLA AVE	34	100%	3.14	20.1	8.415	7.335	3.697	1.447	0.439	Lognormal
24618 NEPTUNE AVE	26	100%	4.87	20.3	8.96	7.09	4.606	1.464	0.514	--
24618 PANAMA AVE	28	100%	3.08	62	13.67	7.535	14.53	2.301	1.063	Lognormal
24618 RAVENNA AVE	40	100%	2.51	10.4	3.85	3.45	1.503	2.78	0.39	--
24619 NEPTUNE AVE	28	100%	4.37	30.9	8.151	7.185	4.898	3.964	0.601	--
24619 PANAMA AVE	38	100%	2.91	36.2	11.56	7.52	9.002	1.517	0.779	--
24619 RAVENNA AVE	35	100%	3.48	15.7	5.575	5.04	2.559	2.881	0.459	--
24622 MARBELLA AVE	53	100%	0.85	41.1	8.812	7.02	6.683	2.547	0.758	Lognormal
24622 NEPTUNE AVE	34	100%	3.36	50.6	7.34	5.34	8.154	4.829	1.111	--
24623 MARBELLA AVE	32	100%	3.79	23.1	8.476	7.005	4.392	1.788	0.518	--
24623 NEPTUNE AVE	36	100%	4.04	34.3	8.873	6.545	6.852	2.829	0.772	--
24627 MARBELLA AVE	48	100%	2.8	26.3	9.159	8.365	4.696	1.719	0.513	Lognormal
24628 MARBELLA AVE	52	100%	0.48	45	10.1	8.07	9.144	2.141	0.906	--
24628 NEPTUNE AVE	18	100%	3.49	27.5	7.201	6.55	5.313	3.602	0.738	--
24629 NEPTUNE AVE	39	100%	4.17	20	8.395	7	4.279	1.637	0.51	--
24632 NEPTUNE AVE	20	100%	5.06	30.1	8.921	6.275	6.811	2.488	0.763	--
24633 MARBELLA AVE	40	100%	2.3	390	20.24	8.42	60.73	6.089	3	--
24700 MARBELLA AVE	46	100%	1.27	49.4	9.349	7.03	8.754	3.328	0.936	--
24700 RAVENNA AVE	56	100%	2.98	77	8.44	4.97	13	4.834	1.54	--
24702 NEPTUNE AVE	46	100%	4.47	50.1	8.994	6.99	6.954	4.862	0.773	--
24702 PANAMA AVE	30	100%	4.24	156	24.47	11.6	31.7	2.858	1.296	--
24703 MARBELLA AVE	36	100%	2.15	59.8	10.4	7.215	11.01	3.056	1.059	Lognormal
24703 NEPTUNE AVE	39	100%	4.21	29.3	8.672	7	5.333	2.714	0.615	--
24703 RAVENNA AVE	53	100%	3.6	36.3	7.292	6.03	4.727	4.773	0.648	--
24706 MARBELLA AVE	43	100%	2.55	18.2	8.076	7.6	3.442	0.853	0.426	Normal
24706 RAVENNA AVE	33	100%	3.74	65	14.54	7.74	15.44	2.022	1.062	--
24707 MARBELLA AVE	37	100%	2.99	29.9	7.672	5.42	6.218	2.166	0.81	--
24708 PANAMA AVE	37	100%	3.43	108	16.7	11.6	20.54	3.358	1.23	Lognormal
24709 NEPTUNE AVE	37	100%	3.38	24.9	9.554	6.96	5.429	1.27	0.568	--
24709 PANAMA AVE	43	100%	1.6	68.2	15.28	8.1	16.4	1.794	1.073	--
24709 RAVENNA AVE	52	100%	3.77	27.9	7.153	5.495	4.403	2.68	0.616	--
24710 MARBELLA AVE	43	100%	1.61	140	10.11	6.06	20.69	6.171	2.046	--
24712 NEPTUNE AVE	32	100%	2.78	37.3	6.273	4.625	6.062	4.665	0.966	--
24712 PANAMA AVE	27	100%	4.48	220	20.84	9.17	41.53	4.607	1.993	--
24712 RAVENNA AVE	45	100%	3.62	146	13.02	7.59	22.86	5.1	1.756	--
24713 MARBELLA AVE	37	100%	1.6	12	5.017	4.16	2.945	0.924	0.587	Lognormal
24713 PANAMA AVE	34	100%	3.1	209	20.68	9.7	36.07	4.649	1.744	--
24713 RAVENNA AVE	35	100%	2.49	21.8	4.741	4.03	3.316	4.309	0.699	--

**Table 5-1.6**  
**Summary Descriptive Statistics for Lead**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	3.31	34.7	8.541	7.06	5.809	3.174	0.68	--
24716 MARBELLA AVE	30	100%	3.11	32.6	8.19	7.34	6.093	2.737	0.744	--
24716 RAVENNA AVE	15	100%	2.31	21	8.695	7.65	5.989	0.653	0.689	Normal
24717 MARBELLA AVE	38	100%	2.6	12.1	5.724	5.05	2.515	0.964	0.439	Lognormal
24718 NEPTUNE AVE	65	100%	3.05	17.3	4.92	4.33	2.161	3.448	0.439	--
24718 PANAMA AVE	33	100%	3.95	91	15.67	10.5	16.03	3.538	1.023	Lognormal
24719 NEPTUNE AVE	33	100%	2.15	65.5	15.05	7.57	15.35	1.999	1.02	--
24719 PANAMA AVE	28	100%	4.19	146	18.2	9.225	27.47	4.065	1.509	--
24719 RAVENNA AVE	45	100%	3.26	82.8	8.038	5.2	12.22	5.586	1.521	--
24722 MARBELLA AVE	34	100%	2.6	17.9	7.246	5.42	3.982	1.085	0.55	Lognormal
24722 NEPTUNE AVE	40	100%	0.44	18.6	5.741	4.395	3.771	2.166	0.657	--
24722 PANAMA AVE	18	100%	2.26	27.8	8.758	6.415	6.549	1.58	0.748	Lognormal
24722 RAVENNA AVE	41	100%	3.1	105	15.16	7.09	21.59	3.09	1.424	--
24723 MARBELLA AVE	22	100%	1.08	23.1	6.386	5.205	4.86	2.263	0.761	Lognormal
24723 RAVENNA AVE	37	100%	3.05	43.1	8.319	5.01	8.381	3.003	1.007	--
24725 NEPTUNE AVE	35	100%	2.95	111	9.84	4.67	18.26	5.298	1.856	--
24726 MARBELLA AVE	49	100%	0.71	28.2	7.386	6.22	4.32	2.386	0.585	--
24726 RAVENNA AVE	37	100%	1.73	17	4.863	3.62	3.555	2.124	0.731	--
24727 MARBELLA AVE	40	100%	0.97	65.4	7.985	4.635	11.28	4.134	1.413	Lognormal
24728 NEPTUNE AVE	33	100%	2.54	27.5	5.126	4.2	4.291	4.728	0.837	--
24728 PANAMA AVE	31	100%	3.56	239	30.61	9.57	46.29	3.31	1.512	--
24729 NEPTUNE AVE	35	100%	3.17	155	13.44	5.42	25.98	5.053	1.933	--
24729 PANAMA AVE	34	100%	3.84	52.4	8.81	7.395	8.157	4.898	0.926	--
24729 RAVENNA AVE	16	100%	3.1	35	6.808	4.495	7.745	3.641	1.138	--
24732 MARBELLA AVE	37	100%	1.22	27.3	6.788	5.22	5.494	2.426	0.809	Lognormal
24732 NEPTUNE AVE	35	100%	1.71	26.4	5.983	3.45	5.677	2.09	0.949	--
24732 PANAMA AVE	33	100%	2.63	48.6	8.739	5.55	9.064	3.164	1.037	--
24732 RAVENNA AVE	42	100%	3.24	19.8	6.513	5.255	3.343	2.211	0.513	Lognormal
24733 MARBELLA AVE	32	100%	1.36	18.8	7.021	6.425	4.401	1.491	0.627	Lognormal
24733 PANAMA AVE	38	100%	4.58	98.7	14.78	10.4	17.35	3.78	1.174	--
24733 RAVENNA AVE	40	100%	4.01	30.2	7.407	6.285	4.485	3.739	0.606	--
24735 NEPTUNE AVE	36	100%	2	25	7.423	5.305	5.397	1.91	0.727	--
24736 MARBELLA AVE	52	100%	1.6	40.7	9.126	6.48	7.369	2.563	0.808	Lognormal
24736 RAVENNA AVE	43	100%	2.41	12.3	5.69	4.97	2.056	1.025	0.361	Lognormal
24737 MARBELLA AVE	28	100%	2.57	51	8.207	5.76	9.001	4.291	1.097	--
24738 NEPTUNE AVE	51	100%	2.36	97.1	9.456	4.89	16.64	4.178	1.76	--
24738 PANAMA AVE	32	100%	2.29	103	18.54	8.485	23.7	2.18	1.278	--
24739 NEPTUNE AVE	41	100%	3.12	39.1	11.02	8.38	7.757	1.966	0.704	--
24739 PANAMA AVE	43	100%	2.5	45	6.116	4.7	6.674	5.085	1.091	--
24739 RAVENNA AVE	42	100%	3.12	27.2	7.532	5.69	5.013	2.316	0.666	--
24740 MARBELLA AVE	64	100%	2.15	31	9.083	5.635	7.02	1.477	0.773	--
24741 MARBELLA AVE	12	100%	3.7	20.9	9.676	7.635	5.577	1.425	0.576	Lognormal
24743 RAVENNA AVE	42	100%	3.76	23.1	8.917	7.95	4.078	1.91	0.457	Lognormal
24744 MARBELLA AVE	25	100%	4.01	23.6	8.797	6.97	4.676	1.807	0.532	Lognormal
24748 RAVENNA AVE	24	100%	4.39	13.3	6.96	5.81	2.812	1.397	0.404	--
24749 RAVENNA AVE	43	100%	3.84	163	15.68	10.1	24.34	5.541	1.553	Lognormal
24752 RAVENNA AVE	45	100%	3.42	265	13.79	7	38.81	6.454	2.816	--
24802 PANAMA AVE	47	100%	2.49	27.8	8.701	5.82	6.719	1.373	0.772	--
24803 NEPTUNE AVE	32	100%	3.37	25	9.068	5.745	6.322	1.393	0.697	--
24803 PANAMA AVE	18	100%	2.87	7.65	4.587	4.59	1.398	0.553	0.305	Normal
24809 NEPTUNE AVE	27	100%	3.89	31	11.21	9.08	7.335	1.441	0.654	Lognormal
24809 PANAMA AVE	36	100%	3.53	21.3	7.004	5.405	4.15	2.037	0.593	--
24812 PANAMA AVE	29	100%	1.69	26.7	6.334	3.92	6.328	2.069	0.999	--
24813 PANAMA AVE	15	100%	4.33	34.7	11.82	7.76	9.641	1.9	0.816	--

**Table 5-1.6**  
**Summary Descriptive Statistics for Lead**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	100%	3.5	51.2	15	11.45	11.48	1.655	0.765	Lognormal
24818 PANAMA AVE	34	100%	2.21	88.1	10.12	4.795	18.97	3.839	1.874	--
24819 PANAMA AVE	34	100%	3.65	267	17.18	6.58	46.1	5.2	2.684	--
24822 PANAMA AVE	43	100%	2.74	82.9	10.58	5.38	14.73	3.631	1.392	--
24823 PANAMA AVE	39	100%	3.72	16.1	7.072	6.16	3.148	1.392	0.445	--
24825 NEPTUNE AVE	98	100%	2.84	34.5	8.725	4.605	7.812	1.669	0.895	--
24828 PANAMA AVE	36	100%	1.78	191	15.08	5.6	33.45	4.557	2.219	--
24829 PANAMA AVE	48	100%	4.44	24	7.756	6.65	3.709	2.752	0.478	--
24832 PANAMA AVE	38	100%	3.36	23.7	8.772	7.09	5.557	1.753	0.633	--
24833 PANAMA AVE	43	100%	4.26	34.8	8.933	7.08	5.59	3.132	0.626	--
24838 PANAMA AVE	28	100%	3.01	90.7	12.5	7.95	16.73	4.115	1.339	--
24904 NEPTUNE AVE	74	100%	2.71	47.3	12.1	8.83	8.92	2.243	0.737	--
24912 NEPTUNE AVE	36	100%	3.1	48	10.44	7.03	9.78	2.521	0.937	--
301 244TH ST	29	97%	0.79	39.1	7.353	5.11	7.856	2.901	1.068	Lognormal
305 244TH ST	54	100%	3.72	115	16.93	8.31	24.16	3.145	1.427	--
311 244TH ST	71	100%	2.74	254	38.69	13.3	54.88	2.154	1.418	--
317 244TH ST	58	100%	4.08	207	20.75	9.76	37.04	4.443	1.785	--
321 244TH ST	40	100%	3.2	38.2	11.11	9.725	6.419	2.378	0.578	--
327 244TH ST	12	100%	7.23	12.7	8.59	8.265	1.473	2.238	0.171	--
331 244TH ST	28	100%	3.63	22.4	7.868	7.35	3.26	3.418	0.414	--
337 244TH ST	34	100%	3.16	15.6	7.549	7.22	2.482	1.333	0.329	Lognormal
341 244TH ST	48	100%	4.15	28.1	8.61	7.1	5.111	2.36	0.594	--
344 249TH ST	35	100%	4.17	65.7	12.58	9.3	11.6	3.35	0.922	--
345 249TH ST	93	97%	3.33	203	14.81	7.8	27.75	5.666	1.874	--
347 244TH ST	32	100%	3.61	26.9	9.608	7.69	6.506	1.847	0.677	--
348 248TH ST	49	100%	2.98	26	7.449	5.32	5.483	1.899	0.736	--
348 249TH ST	51	100%	3.15	133	15.28	8.56	21.82	4.325	1.428	--
351 244TH ST	32	100%	2.84	135	11.95	7.225	22.79	5.404	1.906	--
352 249TH ST	32	100%	2.85	56.9	13.26	8.655	11.98	1.977	0.903	Lognormal
353 249TH ST	32	100%	3.05	24.6	7.154	5.955	4.387	2.353	0.613	Lognormal
354 248TH ST	39	100%	1.6	47.2	9.401	4.74	10.6	2.213	1.128	--
357 244TH ST	40	100%	3.05	15.9	7.739	7.465	3.096	0.861	0.4	Lognormal
357 249TH ST	24	100%	4.4	14.6	7.633	5.95	3.069	0.947	0.402	--
358 249TH ST	43	100%	0.56	39.4	7.38	4.57	7.528	2.484	1.02	Lognormal
360 248TH ST	48	100%	3.4	26.3	6.497	5.13	3.857	3.339	0.594	--
361 244TH ST	23	100%	2.81	18.1	7.638	6.99	3.973	1.279	0.52	Lognormal
362 249TH ST	25	100%	3.53	31.4	9.047	6.19	7.864	2.152	0.869	--
363 249TH ST	27	100%	4.65	81.8	18.25	7.27	19.37	1.913	1.061	--
364 248TH ST	48	100%	1.98	153	10.57	4.97	22.43	5.787	2.121	--
367 244TH ST	13	100%	2.53	151	22.6	10.6	39.22	3.403	1.735	Lognormal
367 249TH ST	46	100%	3.1	67.7	11.83	8.47	12	3.454	1.014	--
368 249TH ST	55	100%	2.85	144	11.66	6.2	20.26	5.604	1.738	--
373 249TH ST	42	100%	4.01	31.1	11.31	7.405	8.128	1.201	0.719	--
374 248TH ST	120	100%	1.83	241	14.97	7.125	30.92	5.971	2.065	--
374 249TH ST	27	100%	3.57	32.9	9.639	6.57	8.351	1.999	0.866	--
377 244TH ST	32	100%	5.04	28.3	9.642	7.825	4.96	2.193	0.514	--
377 249TH ST	33	100%	0.5	26.2	6.162	4.62	6.134	2.298	0.996	Lognormal
378 249TH ST	41	100%	3.42	44.9	7.808	6.58	6.581	4.797	0.843	--
383 249TH ST	32	100%	3.83	24.7	9.507	7.245	5.758	1.61	0.606	--
402 249TH ST	32	100%	1.82	29.9	7.131	5.06	6.421	2.399	0.9	Lognormal
408 249TH ST	24	100%	3.42	127	14.39	6.975	24.68	4.482	1.716	--
412 249TH ST	77	100%	1.34	381	17.26	6.89	46.27	6.854	2.681	--



**Table 5-1.7**  
**Summary Descriptive Statistics for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24402 NEPTUNE AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24402 PANAMA AVE	127	9%	0.28	0.74	0.474	0.505	0.144	0.242	0.303	Normal
24402 RAVENNA AVE	40	3%	0.3	0.3	0.3	0.3	N/A	N/A	N/A	--
24403 NEPTUNE AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24403 RAVENNA AVE	62	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24405 MARBELLA AVE	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24406 MARBELLA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24406 NEPTUNE AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24406 PANAMA AVE	23	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24406 RAVENNA AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24409 NEPTUNE AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24409 RAVENNA AVE	33	6%	0.76	0.89	0.825	0.825	0.0919	N/A	0.111	Normal
24410 PANAMA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24411 MARBELLA AVE	69	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24411 PANAMA AVE	37	27%	0.24	1.06	0.509	0.355	0.275	1.042	0.54	Lognormal
24412 MARBELLA AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24412 RAVENNA AVE	61	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24413 NEPTUNE AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24413 RAVENNA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24416 MARBELLA AVE	50	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24416 NEPTUNE AVE	21	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24416 PANAMA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24416 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24417 MARBELLA AVE	8	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24417 PANAMA AVE	47	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24419 NEPTUNE AVE	32	3%	0.25	0.25	0.25	0.25	N/A	N/A	N/A	--
24419 RAVENNA AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24420 PANAMA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24421 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24422 MARBELLA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24422 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24422 RAVENNA AVE	29	7%	0.23	0.4	0.315	0.315	0.12	N/A	0.382	Normal
24423 MARBELLA AVE	13	8%	0.31	0.31	0.31	0.31	N/A	N/A	N/A	--
24423 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24423 RAVENNA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 MARBELLA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 NEPTUNE AVE	30	3%	0.26	0.26	0.26	0.26	N/A	N/A	N/A	--
24426 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24426 RAVENNA AVE	49	2%	1.24	1.24	1.24	1.24	N/A	N/A	N/A	--
24427 MARBELLA AVE	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24427 PANAMA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24429 NEPTUNE AVE	19	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24429 RAVENNA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24430 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24431 PANAMA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24432 MARBELLA AVE	67	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24433 MARBELLA AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24436 PANAMA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 MARBELLA AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 NEPTUNE AVE	58	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24502 PANAMA AVE	48	4%	0.26	0.29	0.275	0.275	0.0212	N/A	0.0771	Normal
24502 RAVENNA AVE	44	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24503 MARBELLA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.7**  
**Summary Descriptive Statistics for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24503 PANAMA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24503 RAVENNA AVE	34	6%	0.24	0.28	0.26	0.26	0.0283	N/A	0.109	Normal
24506 MARBELLA AVE	36	42%	0.23	0.61	0.351	0.34	0.1	1.566	0.285	Lognormal
24507 MARBELLA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 NEPTUNE AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 PANAMA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24508 RAVENNA AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24509 NEPTUNE AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24509 PANAMA AVE	47	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24509 RAVENNA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24512 MARBELLA AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24512 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24512 PANAMA AVE	28	4%	0.42	0.42	0.42	0.42	N/A	N/A	N/A	--
24512 RAVENNA AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24513 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24513 PANAMA AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24513 RAVENNA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24516 MARBELLA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24517 MARBELLA AVE	12	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24518 NEPTUNE AVE	45	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24518 PANAMA AVE	42	5%	0.28	0.31	0.295	0.295	0.0212	N/A	0.0719	Normal
24518 RAVENNA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24519 NEPTUNE AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24519 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 MARBELLA AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 NEPTUNE AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 PANAMA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24522 RAVENNA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24523 MARBELLA AVE	45	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24523 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24523 RAVENNA AVE	17	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24526 MARBELLA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24528 NEPTUNE AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24528 PANAMA AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24529 NEPTUNE AVE	32	53%	0.27	0.84	0.455	0.38	0.173	0.943	0.381	Lognormal
24529 PANAMA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24529 RAVENNA AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24532 MARBELLA AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24532 NEPTUNE AVE	21	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24532 PANAMA AVE	23	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24532 RAVENNA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24533 MARBELLA AVE	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24533 PANAMA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24533 RAVENNA AVE	52	2%	0.29	0.29	0.29	0.29	N/A	N/A	N/A	--
24602 MARBELLA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24602 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24602 PANAMA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24602 RAVENNA AVE	28	11%	0.29	0.38	0.33	0.32	0.0458	0.935	0.139	Normal
24603 MARBELLA AVE	26	19%	0.29	0.98	0.556	0.43	0.288	0.912	0.518	Normal
24603 NEPTUNE AVE	49	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24603 PANAMA AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24603 RAVENNA AVE	31	68%	1.46	3.47	2.712	3.03	0.702	-0.893	0.259	--
24606 MARBELLA AVE	63	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.7**  
**Summary Descriptive Statistics for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24608 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24608 PANAMA AVE	22	64%	1.19	2.52	2.115	2.135	0.357	-1.424	0.169	Normal
24608 RAVENNA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24609 NEPTUNE AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24609 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24609 RAVENNA AVE	45	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24612 MARBELLA AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24612 NEPTUNE AVE	47	38%	0.23	0.58	0.387	0.385	0.0959	0.481	0.248	Normal
24612 PANAMA AVE	33	15%	0.18	0.34	0.246	0.23	0.0647	0.742	0.263	Normal
24612 RAVENNA AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24613 MARBELLA AVE	52	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24613 NEPTUNE AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24613 PANAMA AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24613 RAVENNA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24616 MARBELLA AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24617 MARBELLA AVE	34	65%	0.23	1.2	0.638	0.67	0.275	0.127	0.432	--
24618 NEPTUNE AVE	26	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24618 PANAMA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24618 RAVENNA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24619 NEPTUNE AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24619 PANAMA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24619 RAVENNA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24622 MARBELLA AVE	53	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24622 NEPTUNE AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24623 MARBELLA AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24623 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24627 MARBELLA AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24628 MARBELLA AVE	52	12%	0.23	0.44	0.317	0.295	0.0763	0.827	0.241	Normal
24628 NEPTUNE AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24629 NEPTUNE AVE	39	3%	0.32	0.32	0.32	0.32	N/A	N/A	N/A	--
24632 NEPTUNE AVE	20	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24633 MARBELLA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24700 MARBELLA AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24700 RAVENNA AVE	56	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24702 NEPTUNE AVE	46	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24702 PANAMA AVE	30	7%	0.23	0.28	0.255	0.255	0.0354	N/A	0.139	Normal
24703 MARBELLA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24703 NEPTUNE AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24703 RAVENNA AVE	53	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24706 MARBELLA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24706 RAVENNA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24707 MARBELLA AVE	37	24%	0.24	0.54	0.36	0.37	0.0951	0.659	0.264	Normal
24708 PANAMA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24709 NEPTUNE AVE	37	8%	0.28	0.36	0.31	0.29	0.0436	1.63	0.141	Normal
24709 PANAMA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24709 RAVENNA AVE	52	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24710 MARBELLA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24712 NEPTUNE AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24712 PANAMA AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24712 RAVENNA AVE	45	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24713 MARBELLA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24713 PANAMA AVE	34	24%	0.23	0.36	0.279	0.26	0.0528	1.043	0.189	Lognormal
24713 RAVENNA AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.7**  
**Summary Descriptive Statistics for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24716 MARBELLA AVE	30	43%	0.24	0.78	0.474	0.47	0.163	0.0128	0.345	Normal
24716 RAVENNA AVE	15	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24717 MARBELLA AVE	38	8%	0.27	0.32	0.297	0.3	0.0252	-0.586	0.0848	Normal
24718 NEPTUNE AVE	65	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24718 PANAMA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24719 NEPTUNE AVE	33	3%	0.24	0.24	0.24	0.24	N/A	N/A	N/A	--
24719 PANAMA AVE	28	7%	0.28	0.35	0.315	0.315	0.0495	N/A	0.157	Normal
24719 RAVENNA AVE	45	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24722 MARBELLA AVE	34	47%	0.23	0.42	0.3	0.3	0.0569	0.677	0.19	Normal
24722 NEPTUNE AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24722 PANAMA AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24722 RAVENNA AVE	41	2%	0.26	0.26	0.26	0.26	N/A	N/A	N/A	--
24723 MARBELLA AVE	22	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24723 RAVENNA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24725 NEPTUNE AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24726 MARBELLA AVE	49	2%	0.25	0.25	0.25	0.25	N/A	N/A	N/A	--
24726 RAVENNA AVE	37	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24727 MARBELLA AVE	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24728 NEPTUNE AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24728 PANAMA AVE	31	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24729 NEPTUNE AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24729 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24729 RAVENNA AVE	16	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 MARBELLA AVE	37	8%	0.25	0.31	0.283	0.29	0.0306	-0.935	0.108	Normal
24732 NEPTUNE AVE	35	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 PANAMA AVE	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24732 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24733 MARBELLA AVE	32	19%	0.37	0.83	0.505	0.435	0.172	1.77	0.341	Normal
24733 PANAMA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24733 RAVENNA AVE	40	13%	0.27	0.47	0.316	0.28	0.0862	2.222	0.273	--
24735 NEPTUNE AVE	36	78%	0.24	0.57	0.369	0.365	0.0916	0.153	0.249	Normal
24736 MARBELLA AVE	52	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24736 RAVENNA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24737 MARBELLA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24738 NEPTUNE AVE	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24738 PANAMA AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24739 NEPTUNE AVE	41	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24739 PANAMA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24739 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24740 MARBELLA AVE	64	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24741 MARBELLA AVE	12	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24743 RAVENNA AVE	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24744 MARBELLA AVE	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24748 RAVENNA AVE	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24749 RAVENNA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24752 RAVENNA AVE	45	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24802 PANAMA AVE	47	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24803 NEPTUNE AVE	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24803 PANAMA AVE	18	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24809 NEPTUNE AVE	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24809 PANAMA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24812 PANAMA AVE	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24813 PANAMA AVE	15	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--

**Table 5-1.7**  
**Summary Descriptive Statistics for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24818 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24819 PANAMA AVE	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24822 PANAMA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24823 PANAMA AVE	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24825 NEPTUNE AVE	98	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24828 PANAMA AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24829 PANAMA AVE	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24832 PANAMA AVE	38	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24833 PANAMA AVE	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24838 PANAMA AVE	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24904 NEPTUNE AVE	74	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
24912 NEPTUNE AVE	36	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
301 244TH ST	29	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
305 244TH ST	54	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
311 244TH ST	71	10%	0.17	0.36	0.229	0.21	0.0652	1.603	0.285	Normal
317 244TH ST	58	2%	0.17	0.17	0.17	0.17	N/A	N/A	N/A	--
321 244TH ST	40	8%	0.25	0.31	0.287	0.3	0.0321	-1.545	0.112	Normal
327 244TH ST	12	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
331 244TH ST	28	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
337 244TH ST	34	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
341 244TH ST	48	19%	0.24	0.57	0.411	0.36	0.133	-0.00849	0.324	Normal
344 249TH ST	35	11%	0.27	0.37	0.31	0.3	0.0455	0.894	0.147	Normal
345 249TH ST	93	46%	2.05	3.47	2.919	2.98	0.353	-0.781	0.121	Normal
347 244TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
348 248TH ST	49	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
348 249TH ST	51	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
351 244TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
352 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
353 249TH ST	32	3%	0.29	0.29	0.29	0.29	N/A	N/A	N/A	--
354 248TH ST	39	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
357 244TH ST	40	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
357 249TH ST	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
358 249TH ST	43	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
360 248TH ST	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
361 244TH ST	23	26%	0.24	0.76	0.408	0.315	0.207	1.26	0.507	Normal
362 249TH ST	25	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
363 249TH ST	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
364 248TH ST	48	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
367 244TH ST	13	8%	0.27	0.27	0.27	0.27	N/A	N/A	N/A	--
367 249TH ST	46	7%	0.23	0.35	0.28	0.26	0.0624	1.293	0.223	Normal
368 249TH ST	55	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
373 249TH ST	42	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
374 248TH ST	120	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
374 249TH ST	27	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
377 244TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
377 249TH ST	33	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
378 249TH ST	41	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
383 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
402 249TH ST	32	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
408 249TH ST	24	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	--
412 249TH ST	77	83%	0.33	3.17	1.078	0.84	0.638	1.503	0.592	Lognormal

**Table 5-1.8**  
**Summary Descriptive Statistics for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	100%	23	57.6	39.28	38.1	7.168	0.536	0.182	Normal
24402 NEPTUNE AVE	48	100%	28.9	49.1	34.92	34.45	3.759	1.162	0.108	Normal
24402 PANAMA AVE	127	100%	7.95	58.7	36.44	36.5	9.126	-0.211	0.25	Normal
24402 RAVENNA AVE	40	100%	29	52.1	37.61	37.1	5.475	0.755	0.146	Normal
24403 NEPTUNE AVE	46	100%	26	73.5	36.57	34.4	8.473	2.149	0.232	--
24403 RAVENNA AVE	62	100%	21.9	48.3	37	36.95	5.082	-0.191	0.137	Normal
24405 MARBELLA AVE	25	100%	21.4	55.6	36.03	35.5	7.908	0.437	0.219	Normal
24406 MARBELLA AVE	40	100%	26.8	46.3	36.03	36.6	5.525	-0.037	0.153	Normal
24406 NEPTUNE AVE	28	100%	23.6	46.8	34.55	33.85	5.988	0.211	0.173	Normal
24406 PANAMA AVE	23	100%	20.7	46.8	33.41	32.6	6.114	0.107	0.183	Normal
24406 RAVENNA AVE	26	100%	24.9	42.2	33.45	33.15	4.429	0.0285	0.132	Normal
24409 NEPTUNE AVE	24	100%	23.9	41.4	31.75	31.55	4.2	0.383	0.132	Normal
24409 RAVENNA AVE	33	100%	27.4	43.5	35.15	34.9	4.06	0.227	0.116	Normal
24410 PANAMA AVE	33	100%	17.2	59.9	30.82	31.1	8.129	1.18	0.264	--
24411 MARBELLA AVE	69	100%	22.6	55.1	36.54	36.2	6.582	0.235	0.18	Normal
24411 PANAMA AVE	37	100%	24.6	49.2	36.06	36.3	5.691	0.379	0.158	Normal
24412 MARBELLA AVE	31	100%	27.1	61.9	39.94	38.5	7.53	1.112	0.189	Normal
24412 RAVENNA AVE	61	100%	24.1	48.5	36.52	36.1	5.771	-0.119	0.158	Normal
24413 NEPTUNE AVE	24	100%	23.7	42	30.91	30.55	4.433	0.921	0.143	Normal
24413 RAVENNA AVE	28	100%	18.6	57.3	31.23	30.5	7.364	1.482	0.236	Lognormal
24416 MARBELLA AVE	50	100%	24.3	67.1	37.14	36.5	9.152	1.146	0.246	Lognormal
24416 NEPTUNE AVE	21	100%	23.4	39.5	32.45	32.5	5.001	-0.36	0.154	Normal
24416 PANAMA AVE	33	100%	15.9	46.1	28.31	26.3	6.991	1.019	0.247	Lognormal
24416 RAVENNA AVE	42	100%	23.8	43.5	34.63	34.8	4.249	-0.418	0.123	Normal
24417 MARBELLA AVE	8	100%	31.8	49.7	40.18	39.75	6.257	0.325	0.156	Normal
24417 PANAMA AVE	47	100%	20.3	45.7	34.49	34	6.028	-0.207	0.175	Normal
24419 NEPTUNE AVE	32	100%	22.3	41.2	31.78	31.9	4.472	0.163	0.141	Normal
24419 RAVENNA AVE	32	100%	18	40.3	30.12	31.25	6.012	-0.329	0.2	Normal
24420 PANAMA AVE	33	100%	8.37	42.7	26.66	26.3	6.9	-0.0109	0.259	Normal
24421 PANAMA AVE	30	100%	20.3	43.8	31.31	30.8	5.791	0.183	0.185	Normal
24422 MARBELLA AVE	43	100%	18.6	39	31.32	32	5.029	-0.816	0.161	--
24422 NEPTUNE AVE	36	100%	23.8	42.2	32.51	32.65	4.895	0.0612	0.151	Normal
24422 RAVENNA AVE	29	100%	27.1	49.1	34.71	34.3	4.218	1.253	0.122	Normal
24423 MARBELLA AVE	13	100%	28.5	54.6	38.34	37.7	7.415	0.869	0.193	Normal
24423 NEPTUNE AVE	37	100%	21.9	42.6	31.74	32	4.323	0.149	0.136	Normal
24423 RAVENNA AVE	40	100%	19.8	39	28.26	27.75	4.841	0.171	0.171	Normal
24426 MARBELLA AVE	24	100%	22.3	39.6	32.9	34.8	5.324	-0.711	0.162	--
24426 NEPTUNE AVE	30	100%	23.4	42.5	32.6	31.65	5.341	0.382	0.164	Normal
24426 PANAMA AVE	30	100%	9.9	45.1	29.74	28.5	9.423	-0.19	0.317	Normal
24426 RAVENNA AVE	49	100%	21.3	47.6	34.06	33.5	5.883	0.345	0.173	Normal
24427 MARBELLA AVE	25	100%	22	53.2	40.49	42.7	8.377	-0.514	0.207	Normal
24427 PANAMA AVE	38	100%	23	47.4	34.51	34.25	5.086	0.233	0.147	Normal
24429 NEPTUNE AVE	19	100%	29.7	40.3	34.83	35.6	2.948	-0.16	0.0846	Normal
24429 RAVENNA AVE	29	100%	20.1	45.3	30.96	30.9	4.901	0.425	0.158	Normal
24430 PANAMA AVE	30	100%	10.1	49.5	28.98	28.1	10.18	0.232	0.351	Normal
24431 PANAMA AVE	35	100%	28.6	52.6	36.91	36.5	5.084	0.965	0.138	Normal
24432 MARBELLA AVE	67	100%	23.4	45.6	33.66	34	4.786	-0.262	0.142	Normal
24433 MARBELLA AVE	27	100%	30.7	63.5	39.65	37.7	6.557	1.976	0.165	--
24436 PANAMA AVE	35	100%	7.26	39.6	24.86	28.4	8.479	-0.427	0.341	--
24502 MARBELLA AVE	51	100%	18.7	72.7	34.38	32.2	10.05	1.958	0.292	--
24502 NEPTUNE AVE	58	100%	18.8	34.7	26.98	27.2	3.353	-0.142	0.124	Normal
24502 PANAMA AVE	48	100%	5.57	49.2	27.16	29.45	9.512	-0.388	0.35	--
24502 RAVENNA AVE	44	100%	22.9	36.1	30.83	31.4	3.05	-0.465	0.0989	Normal
24503 MARBELLA AVE	29	100%	28.9	48.9	40.54	40	5.159	-0.157	0.127	Normal

**Table 5-1.8**  
**Summary Descriptive Statistics for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	100%	9.7	46.8	34.02	33.75	5.855	-1.011	0.172	--
24503 PANAMA AVE	28	100%	17.4	43.3	34.75	35.2	5.498	-0.994	0.158	Normal
24503 RAVENNA AVE	34	100%	22.7	43	29.74	28.1	5.487	0.715	0.185	Lognormal
24506 MARBELLA AVE	36	100%	18.9	82.1	35.81	35	10.18	2.612	0.284	--
24507 MARBELLA AVE	36	100%	25.6	79.2	45.55	42.35	9.875	1.399	0.217	--
24508 NEPTUNE AVE	40	100%	23.2	41	31.91	32.2	4.099	-0.0835	0.128	Normal
24508 PANAMA AVE	24	100%	10.1	36.7	26.71	30.95	9.117	-0.926	0.341	--
24508 RAVENNA AVE	39	100%	21.4	42.7	32.58	32.7	5.413	-0.0098	0.166	Normal
24509 NEPTUNE AVE	31	100%	11.7	41.2	30.79	31	5.764	-1.017	0.187	Normal
24509 PANAMA AVE	47	100%	20.6	38.7	30.81	31.1	4.68	-0.143	0.152	Normal
24509 RAVENNA AVE	37	100%	23.5	47.5	31.66	31.9	5.752	0.626	0.182	Normal
24512 MARBELLA AVE	48	100%	28	54.7	39.67	39.85	6.855	0.328	0.173	Normal
24512 NEPTUNE AVE	36	100%	21.3	57.2	31.77	30.4	6.33	1.949	0.199	Lognormal
24512 PANAMA AVE	28	100%	6.44	35.5	23.55	27.55	9.937	-0.682	0.422	--
24512 RAVENNA AVE	46	100%	19.8	46.5	30.62	30.9	5.273	0.347	0.172	Normal
24513 NEPTUNE AVE	37	100%	19.3	46.9	33.55	34.6	6.123	-0.159	0.182	Normal
24513 PANAMA AVE	51	100%	16.3	62.9	28.97	28.2	6.95	2.471	0.24	Lognormal
24513 RAVENNA AVE	30	100%	19.2	42.6	31.11	30.25	5.894	0.101	0.189	Normal
24516 MARBELLA AVE	30	100%	22.6	48.3	34.22	34.8	5.764	-0.269	0.168	Normal
24517 MARBELLA AVE	12	100%	37.8	63	43.29	39.4	7.45	1.923	0.172	--
24518 NEPTUNE AVE	45	100%	20.1	43.7	31.2	32.2	6.365	0.0748	0.204	--
24518 PANAMA AVE	42	100%	5.7	36.8	23.52	27	9.809	-0.6	0.417	--
24518 RAVENNA AVE	30	100%	21	39.9	30.04	30.25	5.096	0.0554	0.17	Normal
24519 NEPTUNE AVE	35	100%	24.3	41.7	32.21	32.2	5.011	-0.0357	0.156	Normal
24519 PANAMA AVE	30	100%	10.2	38.8	28.04	29.75	6.699	-1.517	0.239	--
24522 MARBELLA AVE	27	100%	21.5	55.9	40.39	42.4	8.124	-0.637	0.201	Normal
24522 NEPTUNE AVE	28	100%	22	43.4	32.52	33.9	6.013	-0.17	0.185	Normal
24522 PANAMA AVE	36	100%	4.69	40.6	22.24	24	9.749	-0.321	0.438	--
24522 RAVENNA AVE	35	100%	6.93	38	27.38	28.4	6.82	-1.393	0.249	--
24523 MARBELLA AVE	45	100%	22.7	50.1	38.5	40.1	5.738	-0.663	0.149	--
24523 NEPTUNE AVE	37	100%	24.7	53.7	36.2	35.4	7.151	0.664	0.198	Normal
24523 RAVENNA AVE	17	100%	21.3	36	29.13	29	3.565	-0.219	0.122	Normal
24526 MARBELLA AVE	36	100%	20.4	51.2	37.43	38.4	6.264	-0.579	0.167	--
24528 NEPTUNE AVE	31	100%	9.83	40.1	23.52	21.9	8.235	0.484	0.35	Lognormal
24528 PANAMA AVE	39	100%	6.17	33	20.89	22.1	6.864	-0.474	0.329	Normal
24529 NEPTUNE AVE	32	100%	23.4	47.5	33.46	31.9	6.307	0.824	0.189	Lognormal
24529 PANAMA AVE	24	100%	4.77	35	22.5	23.25	8.487	-0.425	0.377	Normal
24529 RAVENNA AVE	26	100%	8.86	42.3	27.02	27.4	8.389	-0.381	0.31	Normal
24532 MARBELLA AVE	27	100%	18.4	86	38.15	37.6	12.67	1.986	0.332	--
24532 NEPTUNE AVE	21	100%	13.7	60.6	26.18	24	11.41	1.416	0.436	Normal
24532 PANAMA AVE	23	100%	9.33	29.2	22.28	23.4	4.956	-1.187	0.223	--
24532 RAVENNA AVE	29	100%	7.64	40.5	26.29	28.8	9.619	-0.631	0.366	--
24533 MARBELLA AVE	25	100%	25	70.6	39.26	38.6	8.112	2.205	0.207	--
24533 PANAMA AVE	29	100%	7.28	36	23.83	24.2	6.917	-0.874	0.29	--
24533 RAVENNA AVE	52	100%	7.8	38	25.55	26.5	8.636	-0.536	0.338	--
24602 MARBELLA AVE	34	100%	18.5	72.3	37.74	36	10.44	1.244	0.277	Lognormal
24602 NEPTUNE AVE	33	100%	14.3	38.3	25.1	22.6	6.754	0.552	0.269	Lognormal
24602 PANAMA AVE	40	100%	6.54	46.7	23.47	23.55	7.114	0.448	0.303	Normal
24602 RAVENNA AVE	28	100%	11.9	47	30.11	30.65	8.603	-0.303	0.286	Normal
24603 MARBELLA AVE	26	100%	29.6	59.2	42.37	40.85	8.16	0.218	0.193	Normal
24603 NEPTUNE AVE	49	100%	9.61	43.1	26.93	26.4	8.254	0.117	0.307	Normal
24603 PANAMA AVE	30	100%	20.9	41.7	27.47	26.55	4.922	1.234	0.179	Lognormal
24603 RAVENNA AVE	31	100%	11.3	36.5	24.2	22.7	7.159	-0.0669	0.296	Normal
24606 MARBELLA AVE	63	100%	14.9	53	34.4	36.6	9.846	-0.321	0.286	--

**Table 5-1.8**  
**Summary Descriptive Statistics for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	100%	4.16	56.1	34.7	36.7	10.5	-1.236	0.302	--
24608 NEPTUNE AVE	37	100%	11.2	35.6	23.76	22.4	6.133	0.161	0.258	Normal
24608 PANAMA AVE	22	100%	11.6	58.8	25.82	24.85	9.14	2.208	0.354	--
24608 RAVENNA AVE	40	100%	9.67	39.2	24.52	25.35	7.103	-0.241	0.29	Normal
24609 NEPTUNE AVE	30	100%	15.5	43.8	32.11	33.05	7.051	-0.594	0.22	Normal
24609 PANAMA AVE	34	100%	10.5	38.9	25.74	25.8	6.457	0.0655	0.251	Normal
24609 RAVENNA AVE	45	100%	10.8	36	22.37	21	5.66	0.306	0.253	Normal
24612 MARBELLA AVE	51	100%	20.6	52.5	36.66	38.4	8.105	-0.289	0.221	Normal
24612 NEPTUNE AVE	47	100%	14.2	36.4	26.88	28.3	4.557	-0.922	0.17	--
24612 PANAMA AVE	33	100%	18.9	37.5	25.18	23.3	5.325	0.585	0.212	--
24612 RAVENNA AVE	46	100%	11.9	48.2	25.28	25.55	7.358	0.925	0.291	Normal
24613 MARBELLA AVE	52	100%	27.9	68.5	42.35	42	6.754	1.168	0.159	Lognormal
24613 NEPTUNE AVE	39	100%	20.4	42	32.65	32.4	4.713	-0.518	0.144	Normal
24613 PANAMA AVE	51	100%	19.6	44.2	26.14	24.8	5.726	1.195	0.219	--
24613 RAVENNA AVE	33	100%	17	35.6	24.69	23.5	4.754	0.405	0.193	Normal
24616 MARBELLA AVE	46	100%	12.3	51.5	32.15	32.45	9.306	-0.135	0.289	Normal
24617 MARBELLA AVE	34	100%	19.1	63.7	45.61	47.5	8.962	-0.994	0.196	--
24618 NEPTUNE AVE	26	100%	21.8	34.3	26.78	25.85	3.252	0.571	0.121	Normal
24618 PANAMA AVE	28	100%	15.7	39.1	24.54	23.2	6.892	0.778	0.281	Lognormal
24618 RAVENNA AVE	40	100%	18.4	35.1	25.74	25.5	5.06	0.0889	0.197	--
24619 NEPTUNE AVE	28	100%	24.4	42.3	32.18	32.05	4.679	0.306	0.145	Normal
24619 PANAMA AVE	38	100%	13.4	35.8	23.68	24	4.855	-0.0255	0.205	Normal
24619 RAVENNA AVE	35	100%	18.4	32.2	25.39	25.5	4.697	-0.0457	0.185	--
24622 MARBELLA AVE	53	100%	12	50.1	32.89	35	10.05	-0.203	0.306	Normal
24622 NEPTUNE AVE	34	100%	19.1	37	27.9	28.25	4.945	0.0855	0.177	Normal
24623 MARBELLA AVE	32	100%	28.1	67.1	42.33	42.1	7.025	0.995	0.166	--
24623 NEPTUNE AVE	36	100%	28.6	40.5	34.31	34.65	3.058	0.0026	0.0891	Normal
24627 MARBELLA AVE	48	100%	23.1	75.2	40.61	40.75	9.711	0.91	0.239	Normal
24628 MARBELLA AVE	52	100%	10.1	55.6	32.98	34.2	11.3	-0.359	0.343	Normal
24628 NEPTUNE AVE	18	100%	16.5	34.6	23.52	23.3	4.916	0.604	0.209	Normal
24629 NEPTUNE AVE	39	100%	23.6	38.4	30.69	31.3	3.875	-0.138	0.126	Normal
24632 NEPTUNE AVE	20	100%	16.7	42.1	27.6	27.45	5.419	0.608	0.196	Normal
24633 MARBELLA AVE	40	100%	20.4	82.2	36.92	36.1	10.44	2.033	0.283	Lognormal
24700 MARBELLA AVE	46	100%	10.8	45.7	31.09	32	6.738	-0.881	0.217	--
24700 RAVENNA AVE	56	100%	17.5	40.3	25.67	25.35	5.199	0.524	0.203	Normal
24702 NEPTUNE AVE	46	100%	20.3	36.1	27.25	26.85	3.56	0.495	0.131	Normal
24702 PANAMA AVE	30	100%	18.5	38.7	26.4	25.65	4.656	0.869	0.176	Normal
24703 MARBELLA AVE	36	100%	19.1	49.9	35.63	38.15	9.181	-0.346	0.258	--
24703 NEPTUNE AVE	39	100%	21.6	42.9	31.17	30.8	4.528	0.438	0.145	Normal
24703 RAVENNA AVE	53	100%	18.3	37.7	28.27	29	4.666	-0.247	0.165	Normal
24706 MARBELLA AVE	43	100%	13.1	42.3	31.13	32.5	6.813	-0.69	0.219	Normal
24706 RAVENNA AVE	33	100%	19.5	40	27.26	26.6	5.172	0.663	0.19	Normal
24707 MARBELLA AVE	37	100%	22.6	47.9	33.44	33.1	6.948	0.211	0.208	Normal
24708 PANAMA AVE	37	100%	18	42.1	27.46	28.3	6.016	0.187	0.219	Normal
24709 NEPTUNE AVE	37	100%	20.2	38.6	29.44	29.5	4.329	0.136	0.147	Normal
24709 PANAMA AVE	43	100%	15.9	31.8	25.43	25.6	3.76	-0.421	0.148	Normal
24709 RAVENNA AVE	52	100%	19.1	35.7	27.49	27.6	4.053	-0.144	0.147	Normal
24710 MARBELLA AVE	43	100%	12.3	51	33.89	33.8	7.267	-0.223	0.214	Normal
24712 NEPTUNE AVE	32	100%	18.7	37.1	28.77	28.5	4.087	0.18	0.142	Normal
24712 PANAMA AVE	27	100%	16.4	38.8	27.5	27	4.601	0.201	0.167	--
24712 RAVENNA AVE	45	100%	19.8	34.9	25.57	25.2	3.471	0.617	0.136	Normal
24713 MARBELLA AVE	37	100%	19.7	45.4	33.02	33.9	7.095	-0.249	0.215	Normal
24713 PANAMA AVE	34	100%	21	40	29.97	30.2	5.016	0.0663	0.167	Normal
24713 RAVENNA AVE	35	100%	17.8	36.2	25.71	25.5	5.038	0.164	0.196	Normal



**Table 5-1.8**  
**Summary Descriptive Statistics for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	21.5	38.6	30.59	30.5	4.193	-0.106	0.137	Normal
24716 MARBELLA AVE	30	100%	21.4	42.1	33.96	33.7	5.697	-0.438	0.168	Normal
24716 RAVENNA AVE	15	100%	18.4	29.8	23.3	23.5	3.075	0.385	0.132	Normal
24717 MARBELLA AVE	38	100%	18.3	41.2	27.52	25.75	6.898	0.472	0.251	Lognormal
24718 NEPTUNE AVE	65	100%	15.7	36.3	24.82	25.1	5.664	0.048	0.228	--
24718 PANAMA AVE	33	100%	17.1	35.4	26.44	26.4	4.803	0.00825	0.182	Normal
24719 NEPTUNE AVE	33	100%	13.1	39.1	28.43	27.4	5.997	-0.0572	0.211	Normal
24719 PANAMA AVE	28	100%	22.8	38.6	28.04	27.6	4.452	0.738	0.159	Normal
24719 RAVENNA AVE	45	100%	17.2	34.9	26.33	27.1	5.059	-0.4	0.192	Normal
24722 MARBELLA AVE	34	100%	16.8	42.8	29.3	29.25	6.388	-0.0252	0.218	Normal
24722 NEPTUNE AVE	40	100%	6.22	31.2	23.02	23.35	5.124	-0.748	0.223	Normal
24722 PANAMA AVE	18	100%	15.2	35.8	23.37	24.15	5.606	0.354	0.24	Normal
24722 RAVENNA AVE	41	100%	16	33.8	23.84	24	4.819	0.233	0.202	Normal
24723 MARBELLA AVE	22	100%	9.24	40.9	27.61	29.1	7.971	-0.582	0.289	Normal
24723 RAVENNA AVE	37	100%	16	31.6	23.4	24	4.973	-0.0113	0.213	--
24725 NEPTUNE AVE	35	100%	17.2	31.3	24.85	25.8	4.129	-0.405	0.166	Normal
24726 MARBELLA AVE	49	100%	11.1	53	34.06	34.7	8.325	-0.936	0.244	--
24726 RAVENNA AVE	37	100%	11.5	33.3	22.54	23.4	5.8	-0.0984	0.257	Normal
24727 MARBELLA AVE	40	100%	10.9	47.6	28.59	30.2	8.437	-0.5	0.295	--
24728 NEPTUNE AVE	33	100%	15.7	34.7	22.53	21.5	4.854	0.5	0.215	--
24728 PANAMA AVE	31	100%	14.7	34	25.13	26.1	5.423	-0.378	0.216	--
24729 NEPTUNE AVE	35	100%	15	37.6	25.28	25	4.726	0.267	0.187	Normal
24729 PANAMA AVE	34	100%	16.8	40.1	25.38	23.6	6.751	0.797	0.266	--
24729 RAVENNA AVE	16	100%	15.8	36.4	22.74	19.85	6.036	1.04	0.265	Lognormal
24732 MARBELLA AVE	37	100%	4.74	43.7	27.94	27.1	9.453	-0.403	0.338	Normal
24732 NEPTUNE AVE	35	100%	15.7	35.5	24.65	25	5.037	0.343	0.204	Normal
24732 PANAMA AVE	33	100%	14.9	39	25.26	24.7	6.082	0.242	0.241	Normal
24732 RAVENNA AVE	42	100%	15.6	32.1	23.23	23.8	4.575	-0.0593	0.197	Normal
24733 MARBELLA AVE	32	100%	7.83	43.4	28.85	30.35	9.697	-0.339	0.336	Normal
24733 PANAMA AVE	38	100%	18.4	38.5	28.33	28.5	6.296	0.076	0.222	Normal
24733 RAVENNA AVE	40	100%	17	33.3	22.78	21.15	5.099	0.694	0.224	--
24735 NEPTUNE AVE	36	100%	14.4	35.1	24.33	23.6	5.723	0.442	0.235	Lognormal
24736 MARBELLA AVE	52	100%	12.7	43.7	29.81	30.4	7.11	-0.24	0.238	Normal
24736 RAVENNA AVE	43	100%	19	31.8	26.19	25.6	3.17	0.0101	0.121	Normal
24737 MARBELLA AVE	28	100%	20.9	39.7	27.59	26.4	5.872	0.78	0.213	--
24738 NEPTUNE AVE	51	100%	17.9	34.6	25.67	25.4	4.157	0.214	0.162	Normal
24738 PANAMA AVE	32	100%	12.4	42.3	24.51	22.95	7.188	0.435	0.293	Normal
24739 NEPTUNE AVE	41	100%	18.5	34.9	24.53	24.2	4.441	0.428	0.181	--
24739 PANAMA AVE	43	100%	16.3	37	25.53	26.1	5.67	0.0445	0.222	Normal
24739 RAVENNA AVE	42	100%	8.72	35.6	24.03	23.8	5.496	-0.259	0.229	Normal
24740 MARBELLA AVE	64	100%	12.8	36.9	26.36	26.8	5.121	-0.239	0.194	Normal
24741 MARBELLA AVE	12	100%	20.5	35.3	28.2	27.8	4.772	0.203	0.169	Normal
24743 RAVENNA AVE	42	100%	19.2	33.6	26	25.65	3.324	0.0901	0.128	Normal
24744 MARBELLA AVE	25	100%	18.2	43	26.55	24.9	5.884	1.068	0.222	Normal
24748 RAVENNA AVE	24	100%	22.1	34.3	28.15	28.25	2.921	0.052	0.104	Normal
24749 RAVENNA AVE	43	100%	17	40.7	25.23	25.2	3.756	1.257	0.149	--
24752 RAVENNA AVE	45	100%	18.7	33	24.69	24.9	3.552	0.34	0.144	Normal
24802 PANAMA AVE	47	100%	13.4	33.4	23.18	23.4	5.887	-0.152	0.254	Normal
24803 NEPTUNE AVE	32	100%	17.6	32.5	23.42	22.4	4.197	0.679	0.179	Lognormal
24803 PANAMA AVE	18	100%	15.9	35.4	22.38	20.2	6.301	0.844	0.281	Normal
24809 NEPTUNE AVE	27	100%	17.3	32.1	22.84	22.1	3.982	0.756	0.174	Lognormal
24809 PANAMA AVE	36	100%	21.2	38.3	27.66	27.85	3.584	0.495	0.13	Normal
24812 PANAMA AVE	29	100%	13.4	31.5	21.42	23	5.436	0.0295	0.254	--
24813 PANAMA AVE	15	100%	20.4	38.8	27.47	26.2	5.951	0.69	0.217	Normal

**Table 5-1.8**  
**Summary Descriptive Statistics for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	100%	14.8	31.9	24.1	23.3	4.344	0.0796	0.18	Normal
24818 PANAMA AVE	34	100%	13.4	30.6	21.93	22.55	4.992	-0.151	0.228	Normal
24819 PANAMA AVE	34	100%	18.6	36.1	23.96	24	3.593	1.377	0.15	--
24822 PANAMA AVE	43	100%	15.1	33.4	22.78	23.2	5.31	0.183	0.233	--
24823 PANAMA AVE	39	100%	17.5	33.4	24.66	24.6	3.079	0.459	0.125	Normal
24825 NEPTUNE AVE	98	100%	18.8	35.1	25.39	24.45	4.39	0.331	0.173	--
24828 PANAMA AVE	36	100%	12.5	33.5	21.23	22.65	5.335	0.183	0.251	Normal
24829 PANAMA AVE	48	100%	17.6	36.7	24.05	23.1	4.141	1.022	0.172	--
24832 PANAMA AVE	38	100%	15	33.4	23.54	23.5	4.619	0.0535	0.196	Normal
24833 PANAMA AVE	43	100%	16.8	39.2	25.24	23.9	6.061	0.478	0.24	--
24838 PANAMA AVE	28	100%	15	32	24.22	24.25	4.21	-0.098	0.174	Normal
24904 NEPTUNE AVE	74	100%	8.09	33.7	25.23	25.15	4.115	-0.725	0.163	Normal
24912 NEPTUNE AVE	36	100%	14.6	36.2	22.29	19.2	6.496	0.735	0.291	--
301 244TH ST	29	100%	14.4	48.4	33.97	32.2	8.911	-0.0658	0.262	Normal
305 244TH ST	54	100%	19.9	59.1	35.15	34.3	8.229	0.956	0.234	Lognormal
311 244TH ST	71	100%	12.3	54.4	33.37	33.9	9.087	-0.0273	0.272	Normal
317 244TH ST	58	100%	16.3	51	33.37	34.2	7.789	-0.235	0.233	Normal
321 244TH ST	40	100%	21.9	71.5	40.32	38.1	10.8	0.817	0.268	Normal
327 244TH ST	12	100%	29	51.9	39.43	37.15	8.364	0.217	0.212	Normal
331 244TH ST	28	100%	19.9	59.8	38.39	37.15	9.435	0.498	0.246	Normal
337 244TH ST	34	100%	21.2	50.9	36.55	35.75	7.804	0.0309	0.214	Normal
341 244TH ST	48	100%	26	60.4	36.94	35.7	6.234	1.219	0.169	Lognormal
344 249TH ST	35	100%	16.3	39.5	24.62	22	7.074	0.915	0.287	--
345 249TH ST	93	100%	16.2	39.1	25.91	26.4	4.815	-0.34	0.186	--
347 244TH ST	32	100%	24.1	45.5	35.1	34.45	6.257	0.0458	0.178	Normal
348 248TH ST	49	100%	16.4	33.6	23.78	23	4.607	0.372	0.194	Normal
348 249TH ST	51	100%	15.9	38.7	24.6	23.4	6.232	0.599	0.253	Lognormal
351 244TH ST	32	100%	15.9	42.4	33.98	35.85	6.239	-0.885	0.184	Normal
352 249TH ST	32	100%	15.7	33.2	22.79	22.45	4.389	0.333	0.193	Normal
353 249TH ST	32	100%	17.1	33.6	26.95	28.4	4.865	-0.877	0.181	--
354 248TH ST	39	100%	18.9	34.1	25.96	25.9	2.69	0.362	0.104	Normal
357 244TH ST	40	100%	18.3	44.2	33.22	33	7.011	-0.177	0.211	Normal
357 249TH ST	24	100%	17.1	32.1	25.44	26.25	3.953	-0.365	0.155	Normal
358 249TH ST	43	100%	11.4	31.7	20.25	19.3	5.638	0.449	0.278	Normal
360 248TH ST	48	100%	16.7	47.8	27.16	26.7	4.555	1.794	0.168	--
361 244TH ST	23	100%	18.7	51	35.02	35.7	6.664	-0.0726	0.19	Normal
362 249TH ST	25	100%	14.4	38.6	23.33	22	7.386	0.512	0.317	Lognormal
363 249TH ST	27	100%	18.8	30.6	24.42	24.1	2.922	0.209	0.12	Normal
364 248TH ST	48	100%	17.9	31.7	24.42	24.25	2.933	0.264	0.12	Normal
367 244TH ST	13	100%	16.3	45.7	32.06	32.5	8.264	-0.735	0.258	Normal
367 249TH ST	46	100%	6.71	32.4	23.16	24.5	4.919	-1.272	0.212	--
368 249TH ST	55	100%	15.9	36.3	23.19	21.3	5.567	0.793	0.24	--
373 249TH ST	42	100%	14.3	31.4	21.36	21.2	3.766	0.57	0.176	Normal
374 248TH ST	120	100%	7.22	33.9	25.27	24.75	3.853	-0.564	0.152	--
374 249TH ST	27	100%	11.8	36.3	23.05	21.1	6.348	0.743	0.275	--
377 244TH ST	32	100%	26.8	44.8	35.28	34.95	4.914	0.426	0.139	Normal
377 249TH ST	33	100%	11	28.8	21.02	20.6	3.367	-0.205	0.16	Normal
378 249TH ST	41	100%	15.7	35	22.45	20	5.578	0.984	0.249	--
383 249TH ST	32	100%	15.7	24.8	20.34	20.45	2.55	-0.165	0.125	Normal
402 249TH ST	32	100%	16.7	35.5	23.59	22.4	5.301	0.549	0.225	Lognormal
408 249TH ST	24	100%	17.5	34.5	23.94	21.6	5.281	0.632	0.221	--
412 249TH ST	77	100%	15.3	70.7	26.3	24.4	9.301	1.696	0.354	--

**Table 5-1.9**  
**Summary Descriptive Statistics for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	100%	27.9	85.7	49.15	47.6	12.03	0.937	0.245	Lognormal
24402 NEPTUNE AVE	48	100%	29	106	41.7	39.9	11.45	4.038	0.275	--
24402 PANAMA AVE	127	100%	11.5	93.6	45.03	43.4	13.55	0.739	0.301	--
24402 RAVENNA AVE	40	100%	27	104	45.71	42.5	14.94	2.424	0.327	--
24403 NEPTUNE AVE	46	100%	28.5	109	48.22	44.55	17.52	1.92	0.363	--
24403 RAVENNA AVE	62	100%	28.8	106	48.75	47.55	12.19	2.098	0.25	Lognormal
24405 MARBELLA AVE	25	100%	25.4	75.1	45.58	44	10.73	0.95	0.235	Lognormal
24406 MARBELLA AVE	40	100%	29.3	107	47.3	43.25	17.23	1.777	0.364	--
24406 NEPTUNE AVE	28	100%	26.6	99.3	42.33	38.9	13.98	2.822	0.33	--
24406 PANAMA AVE	23	100%	23.5	125	54.88	45.2	26.64	1.34	0.485	Lognormal
24406 RAVENNA AVE	26	100%	26.9	62.5	38.9	37.95	8.081	1.13	0.208	Normal
24409 NEPTUNE AVE	24	100%	32.3	166	54.4	43.1	30.13	2.698	0.554	--
24409 RAVENNA AVE	33	100%	28.4	447	55.92	41.1	73.26	5.134	1.31	--
24410 PANAMA AVE	33	100%	17.3	93	43.43	40.9	17.16	1.363	0.395	Lognormal
24411 MARBELLA AVE	69	100%	27.6	107	51.28	48.8	12.39	1.721	0.242	--
24411 PANAMA AVE	37	100%	31.8	288	66.66	51	54.06	3.311	0.811	--
24412 MARBELLA AVE	31	100%	33.4	477	79.85	56.3	84.78	3.838	1.062	--
24412 RAVENNA AVE	61	100%	28	88.3	40.95	39.3	10.01	2.628	0.244	--
24413 NEPTUNE AVE	24	100%	25.4	140	51.53	43.25	28.02	2.294	0.544	--
24413 RAVENNA AVE	28	100%	20.9	188	51.2	37.2	38.53	2.431	0.753	--
24416 MARBELLA AVE	50	100%	25.3	149	47.92	44.8	22.04	2.696	0.46	--
24416 NEPTUNE AVE	21	100%	26.7	45.3	35.92	36.5	5.129	0.0267	0.143	Normal
24416 PANAMA AVE	33	100%	21.5	135	43.13	39.8	19.85	3.383	0.46	--
24416 RAVENNA AVE	42	100%	26.3	180	41.65	37.2	23.25	5.386	0.558	--
24417 MARBELLA AVE	8	100%	39.6	80.4	52.95	53.3	12.53	1.631	0.237	Lognormal
24417 PANAMA AVE	47	100%	22.2	64.7	38.89	37.9	8.279	0.721	0.213	Normal
24419 NEPTUNE AVE	32	100%	25.5	142	47.25	40.8	23.51	2.813	0.498	--
24419 RAVENNA AVE	32	100%	19.9	83.6	37.99	36.35	12.43	1.834	0.327	Lognormal
24420 PANAMA AVE	33	100%	18.2	143	54.78	40.1	35.42	1.448	0.647	--
24421 PANAMA AVE	30	100%	39.5	242	83.68	68.95	45.99	2.3	0.55	Lognormal
24422 MARBELLA AVE	43	100%	22.3	127	43.68	39.4	16.32	3.314	0.374	Lognormal
24422 NEPTUNE AVE	36	100%	28.8	115	45.95	42.25	17.23	2.578	0.375	--
24422 RAVENNA AVE	29	100%	27	56.1	36.7	36.8	5.799	1.14	0.158	Normal
24423 MARBELLA AVE	13	100%	40.6	185	61.61	48.3	38.3	3.23	0.622	--
24423 NEPTUNE AVE	37	100%	21.3	81.1	38.51	35.1	11.31	1.659	0.294	Lognormal
24423 RAVENNA AVE	40	100%	24.6	57.3	38.84	36.55	8.245	0.434	0.212	Normal
24426 MARBELLA AVE	24	100%	29.2	161	53.67	44.35	28.9	2.659	0.538	--
24426 NEPTUNE AVE	30	100%	22.2	73.3	37.92	34.65	12.07	1.527	0.318	--
24426 PANAMA AVE	30	100%	14.8	101	43.8	42.6	16.66	1.317	0.38	Normal
24426 RAVENNA AVE	49	100%	24.7	82	42.14	40.4	11.85	1.142	0.281	Lognormal
24427 MARBELLA AVE	25	100%	31.5	82.8	50.16	49.3	11.4	0.743	0.227	Normal
24427 PANAMA AVE	38	100%	27.1	248	45.58	39.5	34.67	5.66	0.761	--
24429 NEPTUNE AVE	19	100%	29.1	71.2	39.54	36.9	9.008	2.573	0.228	--
24429 RAVENNA AVE	29	100%	26.7	84.3	42.91	40.1	13.3	1.466	0.31	Lognormal
24430 PANAMA AVE	30	100%	9.11	178	38.84	32.7	29.64	3.798	0.763	--
24431 PANAMA AVE	35	100%	29.1	119	44.67	42.1	16.92	3.134	0.379	--
24432 MARBELLA AVE	67	100%	25.6	108	44.8	41.6	13.93	1.81	0.311	--
24433 MARBELLA AVE	27	100%	40.3	113	57.37	54.4	15.71	1.784	0.274	Lognormal
24436 PANAMA AVE	35	100%	8.67	65.8	29.38	28.4	10.84	1.004	0.369	Normal
24502 MARBELLA AVE	51	100%	22.8	81.5	44.7	43.4	13.48	0.852	0.301	Lognormal
24502 NEPTUNE AVE	58	100%	24.4	48.1	32.81	33.25	5.499	0.629	0.168	Lognormal
24502 PANAMA AVE	48	100%	5.57	47.2	27.37	29.15	8.005	-0.38	0.292	Normal
24502 RAVENNA AVE	44	100%	23	65.1	36.14	34.15	8.485	1.61	0.235	Lognormal
24503 MARBELLA AVE	29	100%	32.2	76.9	44.41	40	11.05	1.304	0.249	--

**Table 5-1.9**  
**Summary Descriptive Statistics for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	100%	12.6	86	42.12	41.2	11.44	1.095	0.272	--
24503 PANAMA AVE	28	100%	20.9	52.1	37.43	37.4	6.123	-0.146	0.164	Normal
24503 RAVENNA AVE	34	100%	23.9	113	37.87	34.75	15.81	3.414	0.417	Lognormal
24506 MARBELLA AVE	36	100%	29	94.4	49.22	48.5	11.47	1.646	0.233	Lognormal
24507 MARBELLA AVE	36	100%	34.1	78	53.34	53.3	10.6	0.239	0.199	--
24508 NEPTUNE AVE	40	100%	26.9	64.4	38.45	37.35	7.61	1.177	0.198	Normal
24508 PANAMA AVE	24	100%	9.83	47.1	27.96	30.85	9.264	-0.25	0.331	--
24508 RAVENNA AVE	39	100%	24.2	163	42.72	38.1	24.84	3.96	0.581	--
24509 NEPTUNE AVE	31	100%	26.5	87.4	43.08	39.3	14.24	1.64	0.331	--
24509 PANAMA AVE	47	100%	25.1	189	41.17	35.8	24.91	4.912	0.605	--
24509 RAVENNA AVE	37	100%	26.2	146	43.76	36.2	24.09	3.097	0.55	--
24512 MARBELLA AVE	48	100%	26.3	69.4	44.5	42.55	9.439	0.697	0.212	Lognormal
24512 NEPTUNE AVE	36	100%	28.1	103	40.77	38.7	12.86	3.612	0.315	--
24512 PANAMA AVE	28	100%	7.89	46.5	24.69	27.1	9.888	-0.136	0.4	--
24512 RAVENNA AVE	46	100%	19.9	82.4	33.47	32.9	9.655	2.89	0.288	Lognormal
24513 NEPTUNE AVE	37	100%	19.6	96.2	41.66	39.5	14.8	1.833	0.355	Lognormal
24513 PANAMA AVE	51	100%	19.6	52.9	32.06	31.4	6.663	0.71	0.208	Normal
24513 RAVENNA AVE	30	100%	20.6	89.7	40.63	37.55	15.52	1.894	0.382	Lognormal
24516 MARBELLA AVE	30	100%	23.7	64.6	42.21	40.45	10.14	0.492	0.24	Normal
24517 MARBELLA AVE	12	100%	42.6	94.7	61.23	58.45	14.08	1.091	0.23	Normal
24518 NEPTUNE AVE	45	100%	23	61.1	36.56	36.8	7.508	0.63	0.205	Normal
24518 PANAMA AVE	42	100%	6.24	346	39.87	29.55	55.29	4.583	1.387	--
24518 RAVENNA AVE	30	100%	25.4	84.3	39.78	36.8	12.86	1.84	0.323	Lognormal
24519 NEPTUNE AVE	35	100%	26	1240	78.45	38.7	203.1	5.831	2.588	--
24519 PANAMA AVE	30	100%	13.1	87.5	34.58	32.95	13.7	2.053	0.396	--
24522 MARBELLA AVE	27	100%	22.8	69	48.07	47.5	11.22	-0.296	0.233	Normal
24522 NEPTUNE AVE	28	100%	28	56.8	41.2	40.2	8.253	0.196	0.2	Normal
24522 PANAMA AVE	36	100%	6.51	51.2	26.31	27.25	11.72	-0.00595	0.445	Normal
24522 RAVENNA AVE	35	100%	8.08	52.4	30.76	31.5	8.63	-0.392	0.281	Normal
24523 MARBELLA AVE	45	100%	21	106	49.81	45.9	16.41	1.427	0.33	--
24523 NEPTUNE AVE	37	100%	26.6	86.1	44.13	41.1	14.86	1.455	0.337	--
24523 RAVENNA AVE	17	100%	24.2	409	58.04	35.7	90.99	4.041	1.568	--
24526 MARBELLA AVE	36	100%	24.9	79.4	44.12	43.85	10.66	0.835	0.242	Normal
24528 NEPTUNE AVE	31	100%	10.7	47	26.18	26.7	9.063	0.63	0.346	Normal
24528 PANAMA AVE	39	100%	7.48	55.9	25.14	25.4	10.69	0.842	0.425	--
24529 NEPTUNE AVE	32	100%	27.6	86.5	40.71	35.9	14.44	2.004	0.355	--
24529 PANAMA AVE	24	100%	7.42	47.5	28.03	30	9.762	-0.429	0.348	Normal
24529 RAVENNA AVE	26	100%	13.3	195	45.42	35.55	37.46	3.085	0.825	Lognormal
24532 MARBELLA AVE	27	100%	27.7	86.3	54.55	55.3	14.56	0.0449	0.267	Normal
24532 NEPTUNE AVE	21	100%	14.7	121	48.38	50.5	28.73	0.953	0.594	Normal
24532 PANAMA AVE	23	100%	14.1	95	32.07	29.7	15.18	3.432	0.473	--
24532 RAVENNA AVE	29	100%	8.38	41.6	27.17	28.6	8.451	-0.704	0.311	--
24533 MARBELLA AVE	25	100%	37.4	480	80.84	59.8	86.54	4.435	1.071	--
24533 PANAMA AVE	29	100%	8.75	297	35.36	27.3	51	5.158	1.443	--
24533 RAVENNA AVE	52	100%	8.45	88.9	28.53	28.55	13.16	2.403	0.461	--
24602 MARBELLA AVE	34	100%	25.3	73	47.63	46.95	12.16	0.48	0.255	Lognormal
24602 NEPTUNE AVE	33	100%	16.6	56.9	30.05	29.6	9.838	1.265	0.327	Lognormal
24602 PANAMA AVE	40	100%	8.06	79.3	33.1	32.55	12.16	1.644	0.367	--
24602 RAVENNA AVE	28	100%	12.4	43.4	27.82	27.9	6.927	-0.154	0.249	Normal
24603 MARBELLA AVE	26	100%	37.4	111	60.6	56.1	18.21	1.589	0.3	--
24603 NEPTUNE AVE	49	100%	12.6	83.8	30.57	28.8	11.61	2.17	0.38	Lognormal
24603 PANAMA AVE	30	100%	23.3	42.9	33.69	35.75	5.901	-0.285	0.175	--
24603 RAVENNA AVE	31	100%	14.9	84.7	29.7	26.8	13.32	2.483	0.448	Lognormal
24606 MARBELLA AVE	63	100%	13	71.9	40.74	42.4	13.39	0.113	0.329	Normal

**Table 5-1.9**  
**Summary Descriptive Statistics for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	100%	6.89	148	48.25	43.7	25.72	2.297	0.533	--
24608 NEPTUNE AVE	37	100%	14.3	160	45.09	29.7	35.56	1.893	0.789	--
24608 PANAMA AVE	22	100%	13.7	62.3	31.95	31	10.92	1.161	0.342	Lognormal
24608 RAVENNA AVE	40	100%	11	91	32.14	29.55	16.2	2.041	0.504	--
24609 NEPTUNE AVE	30	100%	15.9	63	36.81	35.8	12.02	0.259	0.326	Normal
24609 PANAMA AVE	34	100%	14.7	50.5	29.6	28.85	8.485	0.807	0.287	Lognormal
24609 RAVENNA AVE	45	100%	13.3	81	25.84	24.1	10.41	3.655	0.403	--
24612 MARBELLA AVE	51	100%	23	176	45.37	45.7	21.46	4.531	0.473	--
24612 NEPTUNE AVE	47	100%	18.5	140	32.91	29.2	18.92	4.578	0.575	--
24612 PANAMA AVE	33	100%	22.8	43.8	31.24	31.6	6.08	0.392	0.195	Normal
24612 RAVENNA AVE	46	100%	16.1	174	32.7	28.85	25.66	4.512	0.785	--
24613 MARBELLA AVE	52	100%	33.4	66.8	49.46	51.2	8.71	-0.18	0.176	Normal
24613 NEPTUNE AVE	39	100%	29	85.5	48.54	48.5	10.52	1.345	0.217	Lognormal
24613 PANAMA AVE	51	100%	20.5	80.7	33.82	31.5	11.68	2.203	0.345	Lognormal
24613 RAVENNA AVE	33	100%	21.3	47.6	28.25	26.5	6.144	1.337	0.217	Lognormal
24616 MARBELLA AVE	46	100%	12.2	68.7	38.86	39.15	13.98	0.207	0.36	Normal
24617 MARBELLA AVE	34	100%	25	104	56.73	53.05	18.19	0.994	0.321	Lognormal
24618 NEPTUNE AVE	26	100%	24.1	60.5	35.44	31.9	10.28	1.372	0.29	--
24618 PANAMA AVE	28	100%	17.7	52.6	31.64	30	9.925	0.615	0.314	Normal
24618 RAVENNA AVE	40	100%	20	37.2	25.93	26.35	4.141	0.596	0.16	Normal
24619 NEPTUNE AVE	28	100%	28	69.8	39.19	38	9.55	1.374	0.244	Lognormal
24619 PANAMA AVE	38	100%	15.3	42.5	29.98	30.1	6.39	-0.0388	0.213	Normal
24619 RAVENNA AVE	35	100%	20.4	42.9	28.24	26.4	5.486	0.984	0.194	Lognormal
24622 MARBELLA AVE	53	100%	9.62	146	43.92	40.4	22.71	1.986	0.517	Lognormal
24622 NEPTUNE AVE	34	100%	21.1	56.6	34.01	32.9	8.752	0.838	0.257	Normal
24623 MARBELLA AVE	32	100%	26.8	92.1	52.73	52.75	10.93	1.151	0.207	Lognormal
24623 NEPTUNE AVE	36	100%	25.1	115	40.21	37.1	15.91	3.514	0.396	--
24627 MARBELLA AVE	48	100%	27	100	53.38	53.7	14.43	0.749	0.27	Normal
24628 MARBELLA AVE	52	100%	12.1	89	42.18	41.9	17.97	0.609	0.426	Normal
24628 NEPTUNE AVE	18	100%	17.8	34.4	25.97	25.7	4.419	0.183	0.17	Normal
24629 NEPTUNE AVE	39	100%	26.5	126	40.92	36.4	17.04	3.681	0.416	--
24632 NEPTUNE AVE	20	100%	25.5	119	40.69	32.05	22.06	2.848	0.542	--
24633 MARBELLA AVE	40	100%	26.8	122	59.14	60.7	20.92	0.703	0.354	Normal
24700 MARBELLA AVE	46	100%	13.8	176	44.45	38.2	24.26	3.893	0.546	--
24700 RAVENNA AVE	56	100%	19.4	58	31.44	29.15	7.774	1.22	0.247	--
24702 NEPTUNE AVE	46	100%	24.2	139	48.84	37.45	28.03	1.678	0.574	--
24702 PANAMA AVE	30	100%	21.7	190	47.32	32.95	38.71	2.749	0.818	--
24703 MARBELLA AVE	36	100%	21.5	153	52.8	46.95	28.32	2.298	0.536	Lognormal
24703 NEPTUNE AVE	39	100%	24.6	75.4	38.23	36	10.45	1.769	0.273	Lognormal
24703 RAVENNA AVE	53	100%	20.3	69.8	31.08	28.9	8.238	2.349	0.265	Lognormal
24706 MARBELLA AVE	43	100%	15.6	145	39.89	37.1	19.09	4.045	0.479	--
24706 RAVENNA AVE	33	100%	23.1	63.8	38.18	39.3	10.67	0.586	0.279	Normal
24707 MARBELLA AVE	37	100%	24.8	58.3	39.87	36.3	10.63	0.341	0.267	Lognormal
24708 PANAMA AVE	37	100%	19.9	122	43.18	39.5	21.12	1.911	0.489	Lognormal
24709 NEPTUNE AVE	37	100%	21.7	123	40.34	36.6	18.05	3.421	0.447	--
24709 PANAMA AVE	43	100%	21.4	87.3	38.8	34.3	13.52	1.707	0.349	Lognormal
24709 RAVENNA AVE	52	100%	21.6	57.3	35.79	30.5	10.67	0.471	0.298	--
24710 MARBELLA AVE	43	100%	14.6	197	45.93	39.6	27.13	4.271	0.591	Lognormal
24712 NEPTUNE AVE	32	100%	21.3	138	35.42	30.5	20.11	4.622	0.568	--
24712 PANAMA AVE	27	100%	19.7	72.9	34.51	31.9	9.544	2.672	0.277	--
24712 RAVENNA AVE	45	100%	23.6	120	36.39	31.7	17.78	3.335	0.488	--
24713 MARBELLA AVE	37	100%	20.7	56.4	37.64	33.6	10.59	0.306	0.281	Normal
24713 PANAMA AVE	34	100%	20	77	36.44	33	10.88	2.079	0.299	--
24713 RAVENNA AVE	35	100%	21.3	70.3	28.24	27.2	8.502	3.86	0.301	--

**Table 5-1.9**  
**Summary Descriptive Statistics for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	24.7	58.3	36.95	37.4	7.407	0.668	0.2	Normal
24716 MARBELLA AVE	30	100%	24.4	106	43.33	39.75	15.37	2.47	0.355	Lognormal
24716 RAVENNA AVE	15	100%	25	51.1	31.86	28.9	7.074	1.537	0.222	Lognormal
24717 MARBELLA AVE	38	100%	22	61.2	35.24	32.8	10.07	0.914	0.286	Lognormal
24718 NEPTUNE AVE	65	100%	19.9	42.2	27.27	26.5	4.889	0.827	0.179	Lognormal
24718 PANAMA AVE	33	100%	18.6	102	40.59	35.4	18.63	2.183	0.459	Lognormal
24719 NEPTUNE AVE	33	100%	18.1	175	53.78	40	37.52	2.021	0.698	--
24719 PANAMA AVE	28	100%	23.3	240	46.05	34.45	40.91	4.275	0.888	--
24719 RAVENNA AVE	45	100%	20.5	66.5	29.56	28.5	7.765	2.681	0.263	--
24722 MARBELLA AVE	34	100%	16.6	62.2	35.11	34.05	11.23	0.816	0.32	Lognormal
24722 NEPTUNE AVE	40	100%	7.06	70.5	28.72	26.2	11.17	2.301	0.389	--
24722 PANAMA AVE	18	100%	18.2	57.4	29.14	29.55	9.048	1.758	0.311	Lognormal
24722 RAVENNA AVE	41	100%	13.8	61.5	28.62	26.7	10.61	1.719	0.371	--
24723 MARBELLA AVE	22	100%	9.44	123	37.23	30	22.82	2.681	0.613	--
24723 RAVENNA AVE	37	100%	18.5	131	33.48	25.8	22.33	3.09	0.667	--
24725 NEPTUNE AVE	35	100%	19.7	110	33	28.9	17.57	3.107	0.532	--
24726 MARBELLA AVE	49	100%	11.3	88.8	41.08	38.2	15.41	0.882	0.375	--
24726 RAVENNA AVE	37	100%	12.8	68.6	27.12	27.8	9.108	2.559	0.336	Lognormal
24727 MARBELLA AVE	40	100%	12.4	142	36.67	34.15	20.44	3.556	0.557	--
24728 NEPTUNE AVE	33	100%	17.8	80.8	26.35	25	10.47	4.624	0.397	--
24728 PANAMA AVE	31	100%	17.7	174	56.47	37.7	41.05	1.293	0.727	--
24729 NEPTUNE AVE	35	100%	22.3	137	39.3	31.8	21.58	3.142	0.549	--
24729 PANAMA AVE	34	100%	18.7	73.7	27.26	26.45	9.131	4.146	0.335	--
24729 RAVENNA AVE	16	100%	19.9	106	33.39	27.85	20.38	3.383	0.61	--
24732 MARBELLA AVE	37	100%	7.85	63.3	31.34	28.3	12.77	0.764	0.408	Normal
24732 NEPTUNE AVE	35	100%	20.4	93.4	31.86	27.9	14.11	3.099	0.443	--
24732 PANAMA AVE	33	100%	16.5	148	34.22	30.4	22.78	4.191	0.665	--
24732 RAVENNA AVE	42	100%	17.4	53.6	27.86	27.6	6.089	1.685	0.219	Lognormal
24733 MARBELLA AVE	32	100%	10.8	57.9	35.53	34.95	11.85	0.186	0.334	Normal
24733 PANAMA AVE	38	100%	22.5	90.7	40.82	39.05	13.66	1.946	0.335	--
24733 RAVENNA AVE	40	100%	22.1	49.6	31.3	29.65	6.961	1.095	0.222	Lognormal
24735 NEPTUNE AVE	36	100%	14.3	66.1	29.38	27.35	9.463	2.018	0.322	--
24736 MARBELLA AVE	52	100%	14.3	113	40.51	34.6	20.56	1.821	0.508	Lognormal
24736 RAVENNA AVE	43	100%	22.1	50.8	30.96	30	5.57	1.856	0.18	--
24737 MARBELLA AVE	28	100%	24.7	265	43.29	36.2	44.04	5.066	1.017	--
24738 NEPTUNE AVE	51	100%	22.6	56.3	32.79	31.7	8.153	1.399	0.249	--
24738 PANAMA AVE	32	100%	14	101	34.62	30.05	16.22	2.382	0.469	Lognormal
24739 NEPTUNE AVE	41	100%	22.1	90.1	37.8	31.2	15.91	1.871	0.421	--
24739 PANAMA AVE	43	100%	18.6	54	29.97	30	7.218	1.195	0.241	Lognormal
24739 RAVENNA AVE	42	100%	14	52.7	28.66	27.6	7.722	1.56	0.269	--
24740 MARBELLA AVE	64	100%	17.1	71.6	36.97	31.3	13.83	0.783	0.374	--
24741 MARBELLA AVE	12	100%	19.3	64.8	36.89	33	11.88	1.184	0.322	Normal
24743 RAVENNA AVE	42	100%	21	55.2	30.38	28	7.975	1.821	0.263	--
24744 MARBELLA AVE	25	100%	19.5	72.3	34.9	33.3	10.13	2.116	0.29	Lognormal
24748 RAVENNA AVE	24	100%	26.1	45.1	30.89	29.9	4.731	1.765	0.153	--
24749 RAVENNA AVE	43	100%	19.4	85.2	36.92	32.4	14.81	1.72	0.401	--
24752 RAVENNA AVE	45	100%	20.1	60.5	29.83	28.9	6.561	2.68	0.22	--
24802 PANAMA AVE	47	100%	16.1	65.6	29.55	28.5	10.13	1.505	0.343	--
24803 NEPTUNE AVE	32	100%	20.1	106	33.04	27.4	16.46	3.127	0.498	--
24803 PANAMA AVE	18	100%	19.9	37.9	27.51	27.85	6.067	0.451	0.221	Normal
24809 NEPTUNE AVE	27	100%	19.6	5770	249.1	30.8	1104	5.191	4.431	--
24809 PANAMA AVE	36	100%	22.8	48.2	30.68	28.65	6.459	1.305	0.211	--
24812 PANAMA AVE	29	100%	15.1	49.3	26.41	25	9.558	1.013	0.362	Lognormal
24813 PANAMA AVE	15	100%	22.3	55.8	33.11	29	11.8	1.149	0.356	--

**Table 5-1.9**  
**Summary Descriptive Statistics for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	100%	25.4	106	47.67	35.6	26.04	1.399	0.546	--
24818 PANAMA AVE	34	100%	14.3	54.4	25.96	24.05	8.555	1.592	0.33	Lognormal
24819 PANAMA AVE	34	100%	22.5	240	36.21	27.65	36.65	5.527	1.012	--
24822 PANAMA AVE	43	100%	17.9	330	42.08	28.7	60.02	4.352	1.426	--
24823 PANAMA AVE	39	100%	21.6	347	41.03	29	51.06	5.954	1.244	--
24825 NEPTUNE AVE	98	100%	20.9	125	35.75	30.35	17.24	3.145	0.482	--
24828 PANAMA AVE	36	100%	17	85.8	31.44	29.55	14.57	2.362	0.463	Lognormal
24829 PANAMA AVE	48	100%	21.2	121	32.15	27.7	18.26	4.177	0.568	--
24832 PANAMA AVE	38	100%	17.8	79.5	30.42	28.85	10.9	2.777	0.358	Lognormal
24833 PANAMA AVE	43	100%	20.8	97	32.74	28.5	13.72	3.63	0.419	--
24838 PANAMA AVE	28	100%	18.8	88.1	40.37	34.25	18.15	1.647	0.45	--
24904 NEPTUNE AVE	74	100%	9.53	85.9	34.32	31.2	11.06	2.163	0.322	--
24912 NEPTUNE AVE	36	100%	19.8	73.1	33.62	29.95	12.9	1.638	0.384	--
301 244TH ST	29	100%	24.1	120	46.65	42.4	18.47	2.643	0.396	Lognormal
305 244TH ST	54	100%	22.4	544	61.76	46.1	71.04	6.171	1.15	--
311 244TH ST	71	100%	24.9	1140	104.2	54.6	178.9	4.861	1.717	--
317 244TH ST	58	100%	27.3	158	55.34	51.05	22.94	2.88	0.414	--
321 244TH ST	40	100%	29.9	111	50.19	48.05	14.8	1.995	0.295	Lognormal
327 244TH ST	12	100%	36.1	55.5	45.84	45	7.453	0.095	0.163	Normal
331 244TH ST	28	100%	21.6	85.5	45.88	45.15	11.92	1.196	0.26	Normal
337 244TH ST	34	100%	24.8	70	42.18	42.4	9.002	0.457	0.213	Normal
341 244TH ST	48	100%	29.8	313	49.99	43.9	40.44	6.117	0.809	--
344 249TH ST	35	100%	22.7	109	36.28	32.3	15.74	3.423	0.434	--
345 249TH ST	93	100%	21.3	158	34.27	30.9	15.6	5.755	0.455	--
347 244TH ST	32	100%	29.1	114	51.61	45.55	22.43	1.473	0.435	--
348 248TH ST	49	100%	19.2	47.3	28.16	26.6	7.134	0.978	0.253	Lognormal
348 249TH ST	51	100%	19.4	101	33.58	30.1	12.3	3.628	0.366	--
351 244TH ST	32	100%	21.9	62.6	41.12	41.05	8.576	0.179	0.209	Normal
352 249TH ST	32	100%	19.6	85.2	37.95	32.55	17.54	1.451	0.462	Lognormal
353 249TH ST	32	100%	19.7	60.9	31.76	29.9	9.381	1.683	0.295	Lognormal
354 248TH ST	39	100%	23.4	114	38.03	29.3	19.57	2.481	0.515	--
357 244TH ST	40	100%	22.9	66.6	40	38.7	10.2	0.712	0.255	Normal
357 249TH ST	24	100%	20.9	42.6	28.36	27.45	6.349	1.012	0.224	Lognormal
358 249TH ST	43	100%	18.1	62.1	28.74	27.3	8.625	1.891	0.3	Lognormal
360 248TH ST	48	100%	18.5	49.7	27.38	26.55	4.351	2.969	0.159	--
361 244TH ST	23	100%	21.7	81.5	45.19	44.1	12.6	0.893	0.279	Normal
362 249TH ST	25	100%	18.3	100	33.1	29.8	17.14	2.77	0.518	Lognormal
363 249TH ST	27	100%	23.3	673	71.28	29.5	124.8	4.639	1.75	--
364 248TH ST	48	100%	22.7	68.2	32.75	29.25	9.23	2.098	0.282	--
367 244TH ST	13	100%	20	282	64.55	45	67.76	3.184	1.05	--
367 249TH ST	46	100%	19.7	339	36.76	28.35	45.92	6.614	1.249	--
368 249TH ST	55	100%	18.8	50.3	28.37	27.8	7	1.036	0.247	Lognormal
373 249TH ST	42	100%	22.1	105	35.44	28.8	17.52	2.319	0.494	--
374 248TH ST	120	100%	7.78	180	33.29	28.75	20.17	4.842	0.606	--
374 249TH ST	27	100%	15.7	47.5	29.3	28	7.532	0.669	0.257	Normal
377 244TH ST	32	100%	32.8	90.8	47.57	45.1	13.45	1.414	0.283	Lognormal
377 249TH ST	33	100%	13.4	102	29.35	24.9	15.18	3.7	0.517	--
378 249TH ST	41	100%	16.8	51.3	26.92	25.2	7.391	1.097	0.275	Lognormal
383 249TH ST	32	100%	18.9	128	32.84	26.6	20.17	3.914	0.614	--
402 249TH ST	32	100%	18.8	82.9	33.08	30.8	12.97	2.191	0.392	Lognormal
408 249TH ST	24	100%	20	185	45.62	32.1	34.84	3.128	0.764	--
412 249TH ST	77	100%	17.9	212	40.14	34.4	25.21	4.641	0.628	--

**Table 5-1.10**  
**Summary Descriptive Statistics for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24401 MARBELLA AVE	33	70%	0.00059	0.0555	0.0176	0.0124	0.0151	1.172	0.858	Lognormal
24402 NEPTUNE AVE	48	100%	0.00268	0.613	0.0459	0.0188	0.0962	4.879	2.094	Lognormal
24402 PANAMA AVE	127	59%	0.00054	0.584	0.039	0.00233	0.106	4.259	2.715	--
24402 RAVENNA AVE	40	88%	0.000541	0.569	0.063	0.0179	0.107	3.524	1.69	Lognormal
24403 NEPTUNE AVE	46	93%	0.00162	1.07	0.146	0.0489	0.23	2.674	1.58	Lognormal
24403 RAVENNA AVE	64	97%	0.000537	1.093	0.0565	0.0203	0.146	6.201	2.58	Lognormal
24405 MARBELLA AVE	25	84%	0.00078	0.0337	0.00914	0.00367	0.00972	1.215	1.064	--
24406 MARBELLA AVE	40	48%	0.00115	0.415	0.06	0.0195	0.122	2.685	2.032	Lognormal
24406 NEPTUNE AVE	28	100%	0.00134	0.342	0.0269	0.0118	0.0633	4.911	2.354	Lognormal
24406 PANAMA AVE	23	87%	0.000541	0.821	0.104	0.0567	0.186	3.37	1.784	Lognormal
24406 RAVENNA AVE	26	100%	0.00439	0.0921	0.0361	0.0339	0.0264	0.46	0.731	Normal
24409 NEPTUNE AVE	24	96%	0.00402	0.45	0.0781	0.0217	0.114	2.213	1.466	Lognormal
24409 RAVENNA AVE	33	97%	0.000537	0.17	0.0362	0.0198	0.0447	2.004	1.234	Lognormal
24410 PANAMA AVE	33	85%	0.000536	0.202	0.0431	0.0152	0.055	1.48	1.274	--
24411 MARBELLA AVE	69	68%	0.000539	1.251	0.088	0.00693	0.24	3.888	2.724	--
24411 PANAMA AVE	41	83%	0.000538	0.224	0.0541	0.0364	0.059	1.703	1.091	--
24412 MARBELLA AVE	31	81%	0.00424	0.152	0.0416	0.032	0.0371	1.626	0.892	Lognormal
24412 RAVENNA AVE	61	93%	0.000537	0.43	0.0591	0.0237	0.0925	2.827	1.564	Lognormal
24413 NEPTUNE AVE	24	100%	0.00141	0.384	0.0701	0.0194	0.101	1.964	1.44	Lognormal
24413 RAVENNA AVE	28	96%	0.00265	0.386	0.043	0.024	0.0734	4.212	1.707	Lognormal
24416 MARBELLA AVE	50	84%	0.000781	1.102	0.128	0.0296	0.227	2.785	1.774	Lognormal
24416 NEPTUNE AVE	21	100%	0.00152	0.162	0.028	0.0129	0.0382	2.547	1.363	Lognormal
24416 PANAMA AVE	33	85%	0.00054	0.197	0.0364	0.00566	0.0602	1.943	1.652	Lognormal
24416 RAVENNA AVE	42	100%	0.00218	2.275	0.166	0.0298	0.432	3.912	2.606	Lognormal
24417 MARBELLA AVE	8	38%	0.00247	0.0194	0.0116	0.013	0.00856	-0.693	0.736	Normal
24417 PANAMA AVE	47	87%	0.00186	0.529	0.0537	0.0256	0.0948	3.744	1.765	Lognormal
24419 NEPTUNE AVE	32	100%	0.00152	0.448	0.0813	0.0255	0.115	2.072	1.416	Lognormal
24419 RAVENNA AVE	32	91%	0.00106	0.176	0.0291	0.0147	0.0379	2.649	1.301	Lognormal
24420 PANAMA AVE	33	85%	0.000542	1.113	0.0796	0.0129	0.22	4.221	2.769	Lognormal
24421 PANAMA AVE	30	83%	0.000549	0.283	0.082	0.0404	0.0875	0.999	1.067	--
24422 MARBELLA AVE	43	98%	0.000606	0.605	0.0907	0.0344	0.144	2.425	1.586	Lognormal
24422 NEPTUNE AVE	36	100%	0.000992	0.258	0.0327	0.0165	0.0502	3.377	1.536	Lognormal
24422 RAVENNA AVE	29	97%	0.0014	1.019	0.0922	0.0327	0.198	4.17	2.147	Lognormal
24423 MARBELLA AVE	13	62%	0.000565	0.0199	0.0048	0.00171	0.00684	1.977	1.424	Lognormal
24423 NEPTUNE AVE	37	100%	0.00098	0.229	0.0463	0.0129	0.0666	1.767	1.437	Lognormal
24423 RAVENNA AVE	40	98%	0.00224	0.995	0.0668	0.0189	0.169	4.844	2.538	Lognormal
24426 MARBELLA AVE	24	96%	0.00186	0.419	0.0949	0.0398	0.102	1.641	1.072	Lognormal
24426 NEPTUNE AVE	30	90%	0.000605	0.142	0.0205	0.0138	0.0273	3.666	1.333	Lognormal
24426 PANAMA AVE	30	73%	0.00105	0.409	0.0281	0.00562	0.0873	4.36	3.104	--
24426 RAVENNA AVE	49	100%	0.00316	1.983	0.114	0.0337	0.296	5.609	2.605	Lognormal
24427 MARBELLA AVE	25	84%	0.000565	0.0946	0.0105	0.00152	0.0221	3.178	2.097	--
24427 PANAMA AVE	38	100%	0.00078	0.821	0.0691	0.0136	0.148	3.975	2.147	--
24429 NEPTUNE AVE	19	95%	0.0012	0.211	0.0442	0.0193	0.0534	2.098	1.207	Lognormal
24429 RAVENNA AVE	29	100%	0.00128	0.188	0.0376	0.0206	0.0404	2.164	1.074	Lognormal
24430 PANAMA AVE	30	77%	0.000536	0.139	0.013	0.00199	0.0296	3.823	2.281	--
24431 PANAMA AVE	35	100%	0.000916	0.154	0.0386	0.0251	0.0443	1.628	1.148	Lognormal
24432 MARBELLA AVE	67	94%	0.00275	0.5	0.066	0.0357	0.0871	3.179	1.319	Lognormal
24433 MARBELLA AVE	27	30%	0.0016	0.0733	0.0167	0.00643	0.0245	2.227	1.47	Lognormal
24436 PANAMA AVE	35	66%	0.00054	0.156	0.0163	0.00418	0.0346	3.463	2.121	Lognormal
24502 MARBELLA AVE	51	98%	0.00123	0.221	0.0465	0.0213	0.0562	1.855	1.21	Lognormal
24502 NEPTUNE AVE	58	97%	0.000559	0.303	0.0355	0.0158	0.0606	3.249	1.708	Lognormal
24502 PANAMA AVE	48	31%	0.000565	0.0124	0.00329	0.00112	0.00412	1.466	1.255	--
24502 RAVENNA AVE	44	98%	0.000732	0.489	0.0734	0.0279	0.116	2.443	1.573	Lognormal
24503 MARBELLA AVE	29	55%	0.000538	0.0187	0.00446	0.00273	0.00486	1.876	1.09	Lognormal



**Table 5-1.10**  
**Summary Descriptive Statistics for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24503 NEPTUNE AVE	60	97%	0.00269	0.245	0.0561	0.0317	0.0629	1.726	1.121	Lognormal
24503 PANAMA AVE	28	93%	0.00108	0.347	0.0443	0.00874	0.0815	2.706	1.838	Lognormal
24503 RAVENNA AVE	34	100%	0.00067	0.676	0.0429	0.0183	0.114	5.441	2.666	Lognormal
24506 MARBELLA AVE	36	100%	0.00308	0.593	0.097	0.0245	0.149	2.05	1.537	Lognormal
24507 MARBELLA AVE	36	56%	0.000538	0.222	0.0314	0.00652	0.0548	2.608	1.744	Lognormal
24508 NEPTUNE AVE	40	100%	0.00174	1.09	0.0861	0.035	0.179	4.894	2.076	Lognormal
24508 PANAMA AVE	24	29%	0.000547	0.00587	0.00238	0.00201	0.0019	1.032	0.801	Normal
24508 RAVENNA AVE	39	87%	0.000928	0.884	0.109	0.0243	0.191	2.777	1.752	Lognormal
24509 NEPTUNE AVE	31	100%	0.000575	0.405	0.0609	0.019	0.095	2.43	1.559	Lognormal
24509 PANAMA AVE	47	91%	0.00271	0.504	0.0556	0.029	0.0828	4.139	1.49	Lognormal
24509 RAVENNA AVE	37	100%	0.00327	0.956	0.0891	0.027	0.174	3.855	1.953	Lognormal
24512 MARBELLA AVE	53	94%	0.000615	1.118	0.143	0.0468	0.214	2.565	1.502	Lognormal
24512 NEPTUNE AVE	36	100%	0.00202	0.207	0.0433	0.019	0.0512	1.716	1.183	Lognormal
24512 PANAMA AVE	28	96%	0.000575	0.0279	0.00481	0.00178	0.0075	2.422	1.56	--
24512 RAVENNA AVE	46	98%	0.00137	0.283	0.0361	0.0145	0.0547	3.062	1.514	Lognormal
24513 NEPTUNE AVE	37	97%	0.000675	0.247	0.0332	0.0177	0.0458	3.307	1.38	Lognormal
24513 PANAMA AVE	51	88%	0.00054	0.232	0.0567	0.027	0.0616	1.349	1.086	Lognormal
24513 RAVENNA AVE	30	97%	0.000743	0.223	0.0466	0.0177	0.0696	1.974	1.494	Lognormal
24516 MARBELLA AVE	30	93%	0.000565	0.409	0.0642	0.0213	0.103	2.224	1.611	Lognormal
24517 MARBELLA AVE	12	92%	0.000537	0.335	0.0552	0.00417	0.107	2.255	1.94	Lognormal
24518 NEPTUNE AVE	45	100%	0.00251	0.595	0.044	0.0129	0.0935	4.982	2.123	Lognormal
24518 PANAMA AVE	42	36%	0.000585	0.248	0.0296	0.00741	0.0665	3.021	2.251	--
24518 RAVENNA AVE	30	93%	0.000916	0.136	0.0256	0.0122	0.0348	2.209	1.359	Lognormal
24519 NEPTUNE AVE	35	100%	0.000721	0.111	0.0331	0.0168	0.0354	1.172	1.068	Lognormal
24519 PANAMA AVE	30	97%	0.00078	0.351	0.0313	0.0134	0.0658	4.444	2.104	Lognormal
24522 MARBELLA AVE	27	78%	0.000536	0.159	0.0284	0.0112	0.041	2.212	1.447	Lognormal
24522 NEPTUNE AVE	28	93%	0.000543	0.402	0.0395	0.0158	0.0784	4.258	1.986	Lognormal
24522 PANAMA AVE	36	36%	0.000565	0.015	0.00405	0.00184	0.00438	1.625	1.082	Lognormal
24522 RAVENNA AVE	35	80%	0.00218	0.212	0.0367	0.0193	0.0529	2.662	1.443	Lognormal
24523 MARBELLA AVE	45	80%	0.000595	0.785	0.0454	0.00407	0.158	4.202	3.488	--
24523 NEPTUNE AVE	37	97%	0.00168	0.507	0.0655	0.0269	0.1	3.003	1.527	Lognormal
24523 RAVENNA AVE	17	100%	0.00459	0.297	0.0761	0.0522	0.0722	1.91	0.949	Lognormal
24526 MARBELLA AVE	36	64%	0.00068	0.268	0.0452	0.00762	0.0825	2.212	1.823	Lognormal
24528 NEPTUNE AVE	31	74%	0.000575	0.0271	0.00708	0.00332	0.00767	1.552	1.083	Lognormal
24528 PANAMA AVE	39	87%	0.0004756	0.44	0.0624	0.0172	0.105	2.45	1.677	Lognormal
24529 NEPTUNE AVE	32	91%	0.000537	2.2	0.111	0.0115	0.408	5.139	3.669	Lognormal
24529 PANAMA AVE	24	42%	0.000476	0.0359	0.00517	0.00212	0.0109	3.081	2.102	Lognormal
24529 RAVENNA AVE	26	77%	0.0005539	0.292	0.0502	0.0287	0.0688	2.628	1.37	--
24532 MARBELLA AVE	27	74%	0.0017	0.273	0.0647	0.0156	0.0905	1.427	1.4	Lognormal
24532 NEPTUNE AVE	21	57%	0.0027	0.0285	0.00933	0.00852	0.00656	2.491	0.703	--
24532 PANAMA AVE	23	100%	0.00192	0.923	0.128	0.0284	0.225	2.477	1.752	Lognormal
24532 RAVENNA AVE	29	24%	0.00088	0.0269	0.00912	0.00703	0.0089	1.501	0.976	Normal
24533 MARBELLA AVE	25	84%	0.0012	0.063	0.0131	0.00898	0.0148	2.269	1.127	Lognormal
24533 PANAMA AVE	29	86%	0.00078	0.356	0.035	0.0058	0.0812	3.272	2.32	Lognormal
24533 RAVENNA AVE	52	40%	0.000536	0.0988	0.00664	0.00119	0.0212	4.52	3.192	--
24602 MARBELLA AVE	34	97%	0.00102	0.496	0.0408	0.0151	0.0883	4.611	2.166	Lognormal
24602 NEPTUNE AVE	33	42%	0.00056	0.0158	0.00483	0.00352	0.00425	1.506	0.88	Normal
24602 PANAMA AVE	40	93%	0.000985	1.085	0.138	0.035	0.25	2.615	1.812	Lognormal
24602 RAVENNA AVE	28	39%	0.00078	0.176	0.0287	0.00483	0.0553	2.369	1.925	Lognormal
24603 MARBELLA AVE	26	85%	0.000537	0.769	0.0529	0.0133	0.165	4.327	3.112	Lognormal
24603 NEPTUNE AVE	49	71%	0.000536	0.109	0.0199	0.00834	0.0304	2.216	1.528	Lognormal
24603 PANAMA AVE	30	80%	0.000536	0.863	0.0897	0.00835	0.232	3.108	2.591	Lognormal
24603 RAVENNA AVE	31	19%	0.00112	1.168	0.198	0.00159	0.476	2.449	2.407	--
24606 MARBELLA AVE	63	65%	0.000548	2.382	0.122	0.0051	0.398	4.941	3.261	--

**Table 5-1.10**  
**Summary Descriptive Statistics for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24607 MARBELLA AVE	31	74%	0.00057	0.207	0.0142	0.00231	0.0427	4.564	3.012	Lognormal
24608 NEPTUNE AVE	37	43%	0.000618	0.0507	0.0229	0.0211	0.0156	0.336	0.679	Normal
24608 PANAMA AVE	22	91%	0.00199	1.799	0.294	0.0873	0.495	2.256	1.681	Lognormal
24608 RAVENNA AVE	40	78%	0.000543	1.579	0.155	0.0235	0.35	3.141	2.256	Lognormal
24609 NEPTUNE AVE	30	87%	0.00138	1.449	0.203	0.0208	0.391	2.38	1.926	Lognormal
24609 PANAMA AVE	34	94%	0.000537	0.896	0.0927	0.0202	0.189	3.12	2.044	Lognormal
24609 RAVENNA AVE	45	56%	0.000539	0.0456	0.00764	0.0032	0.012	2.599	1.569	Lognormal
24612 MARBELLA AVE	51	69%	0.000967	0.803	0.127	0.0192	0.213	1.922	1.687	Lognormal
24612 NEPTUNE AVE	47	87%	0.0004788	1.972	0.337	0.0864	0.531	1.906	1.575	Lognormal
24612 PANAMA AVE	33	91%	0.0004756	1.647	0.16	0.0165	0.363	3.383	2.264	Lognormal
24612 RAVENNA AVE	46	80%	0.00093	0.352	0.0723	0.0237	0.0922	1.349	1.275	Lognormal
24613 MARBELLA AVE	52	48%	0.000565	0.135	0.0109	0.00436	0.0264	4.658	2.418	Lognormal
24613 NEPTUNE AVE	39	95%	0.00243	0.879	0.153	0.0525	0.228	1.994	1.49	Lognormal
24613 PANAMA AVE	51	100%	0.000537	6.181	0.262	0.0435	0.87	6.557	3.321	Lognormal
24613 RAVENNA AVE	33	61%	0.000561	0.591	0.0631	0.00409	0.141	3.164	2.232	--
24616 MARBELLA AVE	57	91%	0.000575	3.037	0.533	0.0717	0.773	1.679	1.449	--
24617 MARBELLA AVE	34	29%	0.000575	0.018	0.00336	0.000962	0.00539	2.695	1.606	--
24618 NEPTUNE AVE	26	96%	0.00173	0.571	0.0932	0.0197	0.159	2.271	1.701	Lognormal
24618 PANAMA AVE	28	100%	0.000605	1.197	0.204	0.0431	0.308	1.941	1.509	Lognormal
24618 RAVENNA AVE	40	60%	0.00078	0.746	0.0388	0.0035	0.151	4.87	3.887	Lognormal
24619 NEPTUNE AVE	28	100%	0.00233	1.822	0.241	0.0504	0.425	2.482	1.767	Lognormal
24619 PANAMA AVE	38	100%	0.0023	0.755	0.151	0.0428	0.2	1.582	1.327	Lognormal
24619 RAVENNA AVE	35	60%	0.000632	2.496	0.22	0.0519	0.592	3.463	2.684	--
24622 MARBELLA AVE	53	96%	0.000565	6.891	0.425	0.0115	1.101	4.488	2.588	--
24622 NEPTUNE AVE	34	100%	0.00424	3.304	0.206	0.0327	0.57	5.164	2.769	--
24623 MARBELLA AVE	32	38%	0.000675	0.106	0.0198	0.00181	0.0332	1.945	1.678	--
24623 NEPTUNE AVE	36	100%	0.00852	4.856	0.452	0.0662	1.002	3.28	2.218	--
24627 MARBELLA AVE	48	63%	0.00054	1.041	0.097	0.00613	0.21	3.507	2.161	--
24628 MARBELLA AVE	52	96%	0.000787	0.712	0.0705	0.0106	0.15	2.962	2.133	--
24628 NEPTUNE AVE	18	94%	0.0019	0.342	0.059	0.0295	0.0899	2.493	1.525	Lognormal
24629 NEPTUNE AVE	39	92%	0.00106	0.914	0.134	0.0415	0.229	2.482	1.706	Lognormal
24632 NEPTUNE AVE	20	100%	0.00312	2.497	0.254	0.0276	0.591	3.338	2.326	Lognormal
24633 MARBELLA AVE	40	90%	0.0005118	1.551	0.0504	0.00233	0.257	5.989	5.109	--
24700 MARBELLA AVE	46	98%	0.000964	1.099	0.0986	0.0335	0.208	3.969	2.114	Lognormal
24700 RAVENNA AVE	56	68%	0.000537	0.444	0.0395	0.0086	0.0915	3.758	2.315	Lognormal
24702 NEPTUNE AVE	46	100%	0.00258	1.538	0.173	0.0546	0.31	2.936	1.794	Lognormal
24702 PANAMA AVE	30	100%	0.00254	5.003	0.452	0.0898	1.005	3.724	2.223	Lognormal
24703 MARBELLA AVE	36	58%	0.00107	1.833	0.098	0.00625	0.398	4.57	4.061	--
24703 NEPTUNE AVE	39	95%	0.0032	0.629	0.104	0.0414	0.149	2.215	1.428	Lognormal
24703 RAVENNA AVE	53	92%	0.000948	2.722	0.234	0.0384	0.498	3.752	2.124	Lognormal
24706 MARBELLA AVE	43	95%	0.00217	1.428	0.186	0.0417	0.326	2.529	1.753	Lognormal
24706 RAVENNA AVE	33	100%	0.00235	0.888	0.103	0.0229	0.189	3.058	1.833	Lognormal
24707 MARBELLA AVE	37	59%	0.000647	0.0779	0.0124	0.00437	0.0186	2.463	1.503	--
24708 PANAMA AVE	37	100%	0.000639	1.972	0.185	0.0696	0.381	3.62	2.055	Lognormal
24709 NEPTUNE AVE	37	100%	0.00569	1.531	0.185	0.0472	0.304	2.885	1.646	--
24709 PANAMA AVE	43	98%	0.00171	7.051	0.527	0.0875	1.231	4.187	2.337	Lognormal
24709 RAVENNA AVE	52	90%	0.000595	3.926	0.266	0.054	0.678	4.24	2.553	Lognormal
24710 MARBELLA AVE	43	86%	0.000689	2.282	0.187	0.0213	0.413	4.044	2.214	Lognormal
24712 NEPTUNE AVE	32	97%	0.00356	0.992	0.113	0.0367	0.193	3.492	1.716	Lognormal
24712 PANAMA AVE	27	100%	0.00294	1.979	0.271	0.125	0.471	2.946	1.739	Lognormal
24712 RAVENNA AVE	45	98%	0.000536	1.51	0.108	0.0306	0.253	4.549	2.346	Lognormal
24713 MARBELLA AVE	37	70%	0.000595	0.086	0.0202	0.00985	0.0242	1.469	1.199	Lognormal
24713 PANAMA AVE	34	100%	0.00188	2.124	0.162	0.0354	0.396	4.218	2.438	Lognormal
24713 RAVENNA AVE	35	71%	0.000732	2.226	0.238	0.0201	0.534	2.941	2.245	Lognormal

**Table 5-1.10**  
**Summary Descriptive Statistics for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24715 NEPTUNE AVE	37	100%	0.00526	2.31	0.321	0.0663	0.534	2.3	1.664	Lognormal
24716 MARBELLA AVE	30	77%	0.00055	0.869	0.0859	0.0263	0.193	3.466	2.252	Lognormal
24716 RAVENNA AVE	15	100%	0.000634	0.313	0.0819	0.0472	0.0905	1.229	1.105	Lognormal
24717 MARBELLA AVE	38	74%	0.000536	0.682	0.0699	0.00902	0.15	3.177	2.15	Lognormal
24718 NEPTUNE AVE	70	60%	0.00088	0.475	0.0634	0.0173	0.0973	2.476	1.534	Lognormal
24718 PANAMA AVE	33	100%	0.00452	16.09	0.625	0.096	2.781	5.707	4.451	Lognormal
24719 NEPTUNE AVE	33	88%	0.000888	0.192	0.0523	0.0419	0.0454	1.152	0.867	--
24719 PANAMA AVE	28	100%	0.00212	1.74	0.196	0.0529	0.368	3.219	1.877	Lognormal
24719 RAVENNA AVE	45	84%	0.00129	1.022	0.121	0.0436	0.222	3.22	1.839	Lognormal
24722 MARBELLA AVE	34	94%	0.000537	0.687	0.0509	0.0174	0.122	4.881	2.394	Lognormal
24722 NEPTUNE AVE	40	43%	0.00057	0.0318	0.00961	0.00857	0.00988	1.319	1.028	Lognormal
24722 PANAMA AVE	18	89%	0.00256	0.713	0.175	0.0467	0.25	1.368	1.428	Lognormal
24722 RAVENNA AVE	50	94%	0.0007	0.858	0.112	0.023	0.2	2.418	1.78	Lognormal
24723 MARBELLA AVE	22	68%	0.000544	0.404	0.0374	0.00686	0.103	3.666	2.76	Lognormal
24723 RAVENNA AVE	37	78%	0.000545	0.0713	0.0173	0.00954	0.02	1.32	1.154	--
24725 NEPTUNE AVE	35	69%	0.000537	0.238	0.0284	0.00865	0.0549	2.949	1.934	Lognormal
24726 MARBELLA AVE	49	78%	0.000536	0.346	0.0292	0.0123	0.0614	4.199	2.107	Lognormal
24726 RAVENNA AVE	37	88%	0.000585	3.954	0.164	0.00584	0.686	5.604	4.192	--
24727 MARBELLA AVE	40	83%	0.00078	1.765	0.112	0.0116	0.318	4.733	2.855	Lognormal
24728 NEPTUNE AVE	33	64%	0.000537	0.357	0.0301	0.00159	0.0812	3.675	2.696	--
24728 PANAMA AVE	31	100%	0.00185	1.706	0.174	0.0543	0.34	3.526	1.957	Lognormal
24729 NEPTUNE AVE	35	63%	0.00059	0.32	0.0431	0.0111	0.0741	2.808	1.719	Lognormal
24729 PANAMA AVE	34	97%	0.000616	0.187	0.0392	0.0183	0.0456	1.619	1.163	Lognormal
24729 RAVENNA AVE	16	25%	0.00331	0.013	0.00801	0.00783	0.00452	0.126	0.564	Normal
24732 MARBELLA AVE	37	73%	0.000537	0.406	0.0336	0.00534	0.089	3.663	2.652	Lognormal
24732 NEPTUNE AVE	35	66%	0.000541	1.852	0.179	0.0739	0.388	3.979	2.175	--
24732 PANAMA AVE	33	82%	0.000617	0.498	0.0752	0.0313	0.113	2.609	1.504	--
24732 RAVENNA AVE	42	90%	0.000537	0.273	0.0436	0.00719	0.0728	2.171	1.668	Lognormal
24733 MARBELLA AVE	32	66%	0.000541	0.12	0.0227	0.00782	0.0295	2.086	1.299	Lognormal
24733 PANAMA AVE	38	100%	0.00228	1.98	0.196	0.0584	0.4	3.267	2.041	Lognormal
24733 RAVENNA AVE	40	78%	0.000545	0.198	0.0184	0.0028	0.0407	3.416	2.21	--
24735 NEPTUNE AVE	36	94%	0.000538	0.656	0.0371	0.00493	0.114	5.205	3.067	Lognormal
24736 MARBELLA AVE	52	83%	0.000565	0.149	0.0232	0.00894	0.0339	2.289	1.462	--
24736 RAVENNA AVE	43	91%	0.00273	1.032	0.15	0.0609	0.214	2.468	1.429	Lognormal
24737 MARBELLA AVE	28	82%	0.000538	0.586	0.051	0.00411	0.127	3.765	2.492	--
24738 NEPTUNE AVE	51	78%	0.00109	2.263	0.291	0.118	0.448	2.743	1.542	Lognormal
24738 PANAMA AVE	32	94%	0.000788	2.037	0.248	0.0585	0.474	3.011	1.913	Lognormal
24739 NEPTUNE AVE	41	93%	0.000538	0.415	0.0453	0.0121	0.0888	3.138	1.959	Lognormal
24739 PANAMA AVE	43	88%	0.00187	0.525	0.0655	0.0266	0.114	2.897	1.739	Lognormal
24739 RAVENNA AVE	42	88%	0.000653	1.43	0.314	0.199	0.394	1.62	1.255	--
24740 MARBELLA AVE	64	70%	0.00088	1.185	0.0746	0.0263	0.199	4.766	2.662	--
24741 MARBELLA AVE	12	92%	0.000575	0.0717	0.0193	0.0169	0.0216	1.633	1.117	Lognormal
24743 RAVENNA AVE	47	100%	0.00118	1.455	0.259	0.141	0.336	2.452	1.295	--
24744 MARBELLA AVE	25	80%	0.000548	0.492	0.0802	0.00825	0.162	2.084	2.023	Lognormal
24748 RAVENNA AVE	24	96%	0.00823	0.905	0.151	0.0716	0.208	2.472	1.376	Lognormal
24749 RAVENNA AVE	43	100%	0.00518	1.1	0.191	0.0935	0.218	2.156	1.139	Lognormal
24752 RAVENNA AVE	45	98%	0.00342	1.521	0.128	0.0682	0.238	4.893	1.862	Lognormal
24802 PANAMA AVE	47	96%	0.000537	0.775	0.075	0.0212	0.13	3.842	1.735	Lognormal
24803 NEPTUNE AVE	32	97%	0.000893	0.23	0.03	0.00997	0.05	2.953	1.67	Lognormal
24803 PANAMA AVE	18	78%	0.000538	0.849	0.139	0.0116	0.273	2.145	1.969	Lognormal
24809 NEPTUNE AVE	27	100%	0.000536	1.659	0.113	0.0331	0.315	4.915	2.786	--
24809 PANAMA AVE	36	94%	0.000552	0.55	0.119	0.0469	0.156	1.611	1.318	Lognormal
24812 PANAMA AVE	29	79%	0.00109	0.331	0.0441	0.00551	0.0836	2.659	1.896	Lognormal
24813 PANAMA AVE	15	100%	0.0113	0.609	0.201	0.134	0.198	1.238	0.982	Lognormal

**Table 5-1.10**  
**Summary Descriptive Statistics for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	Depth (0-10 ft)									
	Number of Samples	% Detected	Minimum	Maximum	Mean	Median	Standard Deviation	Skewness	Coefficient of Variation	Distribution
24815 NEPTUNE AVE	30	93%	0.00115	0.628	0.0988	0.0371	0.161	2.337	1.627	Lognormal
24818 PANAMA AVE	34	94%	0.000856	15.22	0.549	0.0116	2.687	5.598	4.895	Lognormal
24819 PANAMA AVE	34	100%	0.00986	0.661	0.12	0.0792	0.147	2.742	1.217	Lognormal
24822 PANAMA AVE	43	95%	0.000577	0.448	0.0571	0.0225	0.0856	2.8	1.498	--
24823 PANAMA AVE	39	100%	0.00358	0.937	0.113	0.0649	0.165	3.791	1.461	Lognormal
24825 NEPTUNE AVE	98	85%	0.000544	0.287	0.0243	0.00583	0.0451	3.591	1.855	Lognormal
24828 PANAMA AVE	36	97%	0.0005204	2.862	0.195	0.0317	0.567	3.837	2.914	Lognormal
24829 PANAMA AVE	48	100%	0.00161	1.036	0.0977	0.0639	0.152	5.15	1.561	--
24832 PANAMA AVE	38	97%	0.00163	0.8	0.068	0.0195	0.143	4.187	2.104	Lognormal
24833 PANAMA AVE	43	88%	0.000648	1.254	0.126	0.0522	0.234	3.88	1.857	Lognormal
24838 PANAMA AVE	28	93%	0.00078	0.871	0.156	0.0537	0.245	1.992	1.565	Lognormal
24904 NEPTUNE AVE	74	100%	0.00088	0.652	0.106	0.0675	0.113	2.475	1.072	Lognormal
24912 NEPTUNE AVE	36	97%	0.000788	0.314	0.046	0.0188	0.0694	2.447	1.508	Lognormal
301 244TH ST	29	69%	0.000537	0.212	0.0339	0.0105	0.0531	2.334	1.568	Lognormal
305 244TH ST	54	61%	0.000575	8.597	0.917	0.0266	2.221	2.546	2.422	--
311 244TH ST	71	89%	0.000565	33.31	2.066	0.033	5.477	3.922	2.651	--
317 244TH ST	58	71%	0.000975	13.07	0.857	0.0136	2.897	3.736	3.38	--
321 244TH ST	40	68%	0.000565	0.0578	0.0117	0.00778	0.0143	2.024	1.218	Lognormal
327 244TH ST	12	50%	0.00243	0.0132	0.00665	0.00593	0.00411	0.744	0.618	Normal
331 244TH ST	28	21%	0.00105	0.0519	0.0171	0.0143	0.0188	1.522	1.102	Normal
337 244TH ST	34	53%	0.000813	0.0548	0.0106	0.00584	0.0137	2.347	1.285	Lognormal
341 244TH ST	48	58%	0.000537	0.0714	0.0103	0.00322	0.0173	2.63	1.687	Lognormal
344 249TH ST	35	100%	0.000627	0.542	0.083	0.039	0.127	2.614	1.535	--
345 249TH ST	93	92%	0.000823	2.431	0.139	0.0231	0.408	4.676	2.936	Lognormal
347 244TH ST	32	56%	0.000545	0.0357	0.00956	0.00317	0.0108	1.318	1.132	Lognormal
348 248TH ST	49	92%	0.00054	4.123	0.239	0.0244	0.714	4.593	2.992	Lognormal
348 249TH ST	51	100%	0.00316	0.424	0.0982	0.0618	0.108	1.619	1.097	--
351 244TH ST	32	69%	0.000565	0.488	0.0334	0.00344	0.103	4.443	3.091	Lognormal
352 249TH ST	32	97%	0.000538	0.899	0.0984	0.0484	0.172	3.737	1.751	Lognormal
353 249TH ST	32	97%	0.000538	0.466	0.0328	0.00917	0.0856	4.649	2.611	Lognormal
354 248TH ST	39	100%	0.00343	1.271	0.256	0.128	0.335	1.95	1.31	Lognormal
357 244TH ST	40	48%	0.00059	0.0643	0.00907	0.0043	0.0147	3.292	1.617	Lognormal
357 249TH ST	24	96%	0.000565	1.449	0.132	0.031	0.336	3.46	2.543	Lognormal
358 249TH ST	43	88%	0.00088	0.416	0.0565	0.0121	0.103	2.544	1.815	--
360 248TH ST	48	96%	0.00119	0.448	0.0976	0.0453	0.124	1.493	1.267	Lognormal
361 244TH ST	23	61%	0.00113	0.0452	0.00931	0.00426	0.0125	2.232	1.343	Lognormal
362 249TH ST	25	76%	0.000565	0.0862	0.02	0.0045	0.0259	1.372	1.298	Lognormal
363 249TH ST	27	100%	0.0054	2.198	0.182	0.0603	0.417	4.683	2.297	Lognormal
364 248TH ST	49	100%	0.000654	0.735	0.126	0.051	0.173	2.095	1.37	Lognormal
367 244TH ST	13	100%	0.000659	0.691	0.097	0.0175	0.188	3.023	1.939	Lognormal
367 249TH ST	46	100%	0.00249	1.128	0.121	0.0558	0.215	3.733	1.777	Lognormal
368 249TH ST	55	98%	0.000603	7.213	0.285	0.0208	1.208	5.14	4.237	Lognormal
373 249TH ST	42	100%	0.00728	0.664	0.0904	0.0462	0.116	3.288	1.282	Lognormal
374 248TH ST	120	100%	0.00061	22.3	0.502	0.079	2.29	7.932	4.566	--
374 249TH ST	27	96%	0.000538	0.46	0.145	0.0814	0.144	0.807	0.997	--
377 244TH ST	32	59%	0.000538	0.203	0.0277	0.0106	0.0489	2.949	1.763	Lognormal
377 249TH ST	33	100%	0.00554	0.718	0.136	0.0952	0.152	2.262	1.115	Lognormal
378 249TH ST	41	90%	0.000537	0.456	0.0462	0.0217	0.0784	4.221	1.698	--
383 249TH ST	32	100%	0.00446	3.06	0.322	0.0761	0.718	3.429	2.226	Lognormal
402 249TH ST	32	97%	0.000545	0.547	0.0553	0.0209	0.109	3.612	1.962	Lognormal
408 249TH ST	24	88%	0.00129	0.239	0.0489	0.0421	0.0553	2.281	1.13	Lognormal
412 249TH ST	77	92%	0.000595	16.19	0.288	0.0233	1.918	8.375	6.662	--

**Table 5-2.1**  
**Summary of Background Analysis for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Antimony (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	19	0.74	1.14	6	Yes	Yes
24402 NEPTUNE AVE	48	0	0.74	0.31	0	No	No
24402 PANAMA AVE	127	120	0.74	2.1	84	Yes	Yes
24402 RAVENNA AVE	40	1	0.74	0.28	0	No	No
24403 NEPTUNE AVE	46	44	0.74	1.99	34	Yes	Yes
24403 RAVENNA AVE	62	1	0.74	0.62	0	No	No
24405 MARBELLA AVE	25	10	0.74	1.1	1	Yes	No
24406 MARBELLA AVE	40	3	0.74	0.8	1	Yes	No
24406 NEPTUNE AVE	28	9	0.74	1.7	8	Yes	Yes
24406 PANAMA AVE	23	4	0.74	4.3	4	Yes	Yes
24406 RAVENNA AVE	26	0	0.74	0.28	0	No	No
24409 NEPTUNE AVE	24	9	0.74	2.07	4	Yes	Yes
24409 RAVENNA AVE	33	0	0.74	0.31	0	No	No
24410 PANAMA AVE	33	0	0.74	0.31	0	No	No
24411 MARBELLA AVE	69	49	0.74	3.58	45	Yes	Yes
24411 PANAMA AVE	37	0	0.74	0.31	0	No	No
24412 MARBELLA AVE	31	0	0.74	0.31	0	No	No
24412 RAVENNA AVE	61	0	0.74	0.31	0	No	No
24413 NEPTUNE AVE	24	11	0.74	0.81	1	Yes	No
24413 RAVENNA AVE	28	22	0.74	1.56	15	Yes	Yes
24416 MARBELLA AVE	50	0	0.74	0.31	0	No	No
24416 NEPTUNE AVE	21	1	0.74	0.4	0	No	No
24416 PANAMA AVE	33	24	0.74	2.26	22	Yes	Yes
24416 RAVENNA AVE	42	0	0.74	0.31	0	No	No
24417 MARBELLA AVE	8	2	0.74	2.19	2	Yes	No
24417 PANAMA AVE	47	0	0.74	0.31	0	No	No
24419 NEPTUNE AVE	32	0	0.74	0.31	0	No	No
24419 RAVENNA AVE	32	19	0.74	1.55	14	Yes	Yes
24420 PANAMA AVE	33	2	0.74	0.63	0	No	No
24421 PANAMA AVE	30	0	0.74	0.31	0	No	No
24422 MARBELLA AVE	43	0	0.74	0.31	0	No	No
24422 NEPTUNE AVE	36	26	0.74	1.91	17	Yes	Yes
24422 RAVENNA AVE	29	0	0.74	0.28	0	No	No
24423 MARBELLA AVE	13	0	0.74	0.31	0	No	No
24423 NEPTUNE AVE	37	0	0.74	0.31	0	No	No
24423 RAVENNA AVE	40	0	0.74	0.31	0	No	No
24426 MARBELLA AVE	24	0	0.74	0.31	0	No	No
24426 NEPTUNE AVE	30	0	0.74	0.31	0	No	No
24426 PANAMA AVE	30	2	0.74	1.05	2	Yes	No
24426 RAVENNA AVE	49	28	0.74	2.4	22	Yes	Yes
24427 MARBELLA AVE	25	0	0.74	0.31	0	No	No
24427 PANAMA AVE	38	1	0.74	0.39	0	No	No
24429 NEPTUNE AVE	19	4	0.74	1.98	1	Yes	No
24429 RAVENNA AVE	29	6	0.74	0.48	0	No	No
24430 PANAMA AVE	30	3	0.74	0.42	0	No	No
24431 PANAMA AVE	35	0	0.74	0.31	0	No	No
24432 MARBELLA AVE	67	12	0.74	0.7	0	No	No
24433 MARBELLA AVE	27	1	0.74	0.33	0	No	No
24436 PANAMA AVE	35	3	0.74	0.77	1	Yes	No
24502 MARBELLA AVE	51	0	0.74	0.31	0	No	No
24502 NEPTUNE AVE	58	0	0.74	0.31	0	No	No
24502 PANAMA AVE	48	29	0.74	3.35	22	Yes	Yes
24502 RAVENNA AVE	44	1	0.74	1.1	1	Yes	No
24503 MARBELLA AVE	29	0	0.74	0.31	0	No	No

**Table 5-2.1**  
**Summary of Background Analysis for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Antimony (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	20	0.74	1.75	13	Yes	Yes
24503 PANAMA AVE	28	3	0.74	6.45	3	Yes	No
24503 RAVENNA AVE	34	7	0.74	1.16	2	Yes	No
24506 MARBELLA AVE	36	0	0.74	0.31	0	No	No
24507 MARBELLA AVE	36	6	0.74	1.44	2	Yes	No
24508 NEPTUNE AVE	40	0	0.74	0.31	0	No	No
24508 PANAMA AVE	24	0	0.74	0.31	0	No	No
24508 RAVENNA AVE	39	3	0.74	0.91	1	Yes	No
24509 NEPTUNE AVE	31	10	0.74	0.55	0	No	No
24509 PANAMA AVE	47	10	0.74	0.74	0	No	No
24509 RAVENNA AVE	37	4	0.74	0.84	1	Yes	No
24512 MARBELLA AVE	48	47	0.74	0.79	2	Yes	No
24512 NEPTUNE AVE	36	0	0.74	0.15	0	No	No
24512 PANAMA AVE	28	11	0.74	0.83	1	Yes	No
24512 RAVENNA AVE	46	14	0.74	1.24	10	Yes	Yes
24513 NEPTUNE AVE	37	1	0.74	1.49	1	Yes	No
24513 PANAMA AVE	51	21	0.74	1.09	3	Yes	No
24513 RAVENNA AVE	30	24	0.74	2.67	13	Yes	Yes
24516 MARBELLA AVE	30	0	0.74	0.31	0	No	No
24517 MARBELLA AVE	12	8	0.74	1.1	4	Yes	Yes
24518 NEPTUNE AVE	45	20	0.74	0.58	0	No	No
24518 PANAMA AVE	42	8	0.74	2.69	8	Yes	Yes
24518 RAVENNA AVE	30	17	0.74	2.08	9	Yes	Yes
24519 NEPTUNE AVE	35	3	0.74	0.88	1	Yes	No
24519 PANAMA AVE	30	0	0.74	0.31	0	No	No
24522 MARBELLA AVE	27	0	0.74	0.31	0	No	No
24522 NEPTUNE AVE	28	15	0.74	1.1	1	Yes	No
24522 PANAMA AVE	36	19	0.74	1	4	Yes	No
24522 RAVENNA AVE	35	4	0.74	0.71	0	No	No
24523 MARBELLA AVE	45	27	0.74	1.25	9	Yes	Yes
24523 NEPTUNE AVE	37	5	0.74	1.12	2	Yes	No
24523 RAVENNA AVE	17	9	0.74	1.74	4	Yes	Yes
24526 MARBELLA AVE	36	0	0.74	0.31	0	No	No
24528 NEPTUNE AVE	31	7	0.74	0.5	0	No	No
24528 PANAMA AVE	39	0	0.74	0.15	0	No	No
24529 NEPTUNE AVE	32	0	0.74	0.31	0	No	No
24529 PANAMA AVE	24	0	0.74	0.31	0	No	No
24529 RAVENNA AVE	26	1	0.74	0.84	1	Yes	No
24532 MARBELLA AVE	27	0	0.74	0.31	0	No	No
24532 NEPTUNE AVE	21	4	0.74	0.51	0	No	No
24532 PANAMA AVE	23	0	0.74	0.15	0	No	No
24532 RAVENNA AVE	29	7	0.74	2.09	5	Yes	Yes
24533 MARBELLA AVE	25	1	0.74	0.57	0	No	No
24533 PANAMA AVE	29	0	0.74	0.31	0	No	No
24533 RAVENNA AVE	52	2	0.74	0.86	2	Yes	No
24602 MARBELLA AVE	34	21	0.74	1.31	7	Yes	Yes
24602 NEPTUNE AVE	33	0	0.74	0.31	0	No	No
24602 PANAMA AVE	40	11	0.74	1.49	8	Yes	Yes
24602 RAVENNA AVE	28	0	0.74	0.31	0	No	No
24603 MARBELLA AVE	26	0	0.74	0.31	0	No	No
24603 NEPTUNE AVE	49	19	0.74	1.08	7	Yes	Yes
24603 PANAMA AVE	30	6	0.74	0.85	1	Yes	No
24603 RAVENNA AVE	31	0	0.74	0.31	0	No	No
24606 MARBELLA AVE	63	21	0.74	1.47	9	Yes	Yes

**Table 5-2.1**  
**Summary of Background Analysis for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Antimony (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	9	0.74	1.16	4	Yes	No
24608 NEPTUNE AVE	37	19	0.74	1.03	6	Yes	Yes
24608 PANAMA AVE	22	7	0.74	1.1	1	Yes	No
24608 RAVENNA AVE	40	12	0.74	1.64	5	Yes	Yes
24609 NEPTUNE AVE	30	17	0.74	1.76	12	Yes	Yes
24609 PANAMA AVE	34	0	0.74	0.31	0	No	No
24609 RAVENNA AVE	45	24	0.74	0.94	6	Yes	Yes
24612 MARBELLA AVE	51	25	0.74	2.41	5	Yes	No
24612 NEPTUNE AVE	47	18	0.74	1.13	7	Yes	Yes
24612 PANAMA AVE	33	15	0.74	0.83	3	Yes	No
24612 RAVENNA AVE	46	12	0.74	2.21	2	Yes	No
24613 MARBELLA AVE	52	0	0.74	0.31	0	No	No
24613 NEPTUNE AVE	39	24	0.74	1.13	4	Yes	No
24613 PANAMA AVE	51	6	0.74	0.69	0	No	No
24613 RAVENNA AVE	33	22	0.74	1.41	4	Yes	No
24616 MARBELLA AVE	46	13	0.74	1.73	5	Yes	No
24617 MARBELLA AVE	34	0	0.74	0.31	0	No	No
24618 NEPTUNE AVE	26	0	0.74	0.31	0	No	No
24618 PANAMA AVE	28	0	0.74	0.31	0	No	No
24618 RAVENNA AVE	40	0	0.74	0.31	0	No	No
24619 NEPTUNE AVE	28	2	0.74	0.35	0	No	No
24619 PANAMA AVE	38	0	0.74	0.31	0	No	No
24619 RAVENNA AVE	35	8	0.74	2.86	1	Yes	No
24622 MARBELLA AVE	53	0	0.74	0.31	0	No	No
24622 NEPTUNE AVE	34	15	0.74	0.56	0	No	No
24623 MARBELLA AVE	32	0	0.74	0.31	0	No	No
24623 NEPTUNE AVE	36	0	0.74	0.31	0	No	No
24627 MARBELLA AVE	48	15	0.74	3.23	11	Yes	Yes
24628 MARBELLA AVE	52	1	0.74	0.67	0	No	No
24628 NEPTUNE AVE	18	0	0.74	0.31	0	No	No
24629 NEPTUNE AVE	39	16	0.74	1.95	8	Yes	Yes
24632 NEPTUNE AVE	20	15	0.74	1.97	8	Yes	Yes
24633 MARBELLA AVE	40	0	0.74	0.15	0	No	No
24700 MARBELLA AVE	46	17	0.74	1.52	4	Yes	No
24700 RAVENNA AVE	56	9	0.74	1.28	1	Yes	No
24702 NEPTUNE AVE	46	0	0.74	0.31	0	No	No
24702 PANAMA AVE	30	3	0.74	0.56	0	No	No
24703 MARBELLA AVE	36	9	0.74	0.57	0	No	No
24703 NEPTUNE AVE	39	4	0.74	0.63	0	No	No
24703 RAVENNA AVE	53	4	0.74	0.87	2	Yes	No
24706 MARBELLA AVE	43	17	0.74	1.13	7	Yes	Yes
24706 RAVENNA AVE	33	2	0.74	0.73	0	No	No
24707 MARBELLA AVE	37	0	0.74	0.31	0	No	No
24708 PANAMA AVE	37	3	0.74	2.27	2	Yes	No
24709 NEPTUNE AVE	37	0	0.74	0.31	0	No	No
24709 PANAMA AVE	43	2	0.74	0.35	0	No	No
24709 RAVENNA AVE	52	1	0.74	0.7	0	No	No
24710 MARBELLA AVE	43	0	0.74	0.31	0	No	No
24712 NEPTUNE AVE	32	3	0.74	1.3	1	Yes	No
24712 PANAMA AVE	27	1	0.74	0.61	0	No	No
24712 RAVENNA AVE	45	15	0.74	1.02	3	Yes	No
24713 MARBELLA AVE	37	0	0.74	0.31	0	No	No
24713 PANAMA AVE	34	3	0.74	0.75	1	Yes	No
24713 RAVENNA AVE	35	0	0.74	0.31	0	No	No

**Table 5-2.1**  
**Summary of Background Analysis for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Antimony (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	10	0.74	1.4	5	Yes	Yes
24716 MARBELLA AVE	30	0	0.74	0.31	0	No	No
24716 RAVENNA AVE	15	0	0.74	0.31	0	No	No
24717 MARBELLA AVE	38	0	0.74	0.31	0	No	No
24718 NEPTUNE AVE	65	41	0.74	2.55	9	Yes	Yes
24718 PANAMA AVE	33	1	0.74	0.47	0	No	No
24719 NEPTUNE AVE	33	0	0.74	0.31	0	No	No
24719 PANAMA AVE	28	0	0.74	0.31	0	No	No
24719 RAVENNA AVE	45	13	0.74	1.65	5	Yes	No
24722 MARBELLA AVE	34	0	0.74	0.28	0	No	No
24722 NEPTUNE AVE	40	10	0.74	0.39	0	No	No
24722 PANAMA AVE	18	0	0.74	0.31	0	No	No
24722 RAVENNA AVE	41	0	0.74	0.28	0	No	No
24723 MARBELLA AVE	22	0	0.74	0.31	0	No	No
24723 RAVENNA AVE	37	0	0.74	0.31	0	No	No
24725 NEPTUNE AVE	35	0	0.74	0.31	0	No	No
24726 MARBELLA AVE	49	29	0.74	2.66	17	Yes	Yes
24726 RAVENNA AVE	37	0	0.74	0.31	0	No	No
24727 MARBELLA AVE	40	17	0.74	0.96	1	Yes	No
24728 NEPTUNE AVE	33	1	0.74	0.5	0	No	No
24728 PANAMA AVE	31	8	0.74	0.96	3	Yes	No
24729 NEPTUNE AVE	35	2	0.74	0.34	0	No	No
24729 PANAMA AVE	34	0	0.74	0.31	0	No	No
24729 RAVENNA AVE	16	0	0.74	0.31	0	No	No
24732 MARBELLA AVE	37	0	0.74	0.31	0	No	No
24732 NEPTUNE AVE	35	0	0.74	0.31	0	No	No
24732 PANAMA AVE	33	6	0.74	0.66	0	No	No
24732 RAVENNA AVE	42	2	0.74	1.32	1	Yes	No
24733 MARBELLA AVE	32	0	0.74	0.31	0	No	No
24733 PANAMA AVE	38	1	0.74	0.42	0	No	No
24733 RAVENNA AVE	40	1	0.74	0.41	0	No	No
24735 NEPTUNE AVE	36	11	0.74	1.66	7	Yes	Yes
24736 MARBELLA AVE	52	0	0.74	0.31	0	No	No
24736 RAVENNA AVE	43	8	0.74	1	5	Yes	No
24737 MARBELLA AVE	28	1	0.74	0.32	0	No	No
24738 NEPTUNE AVE	51	0	0.74	0.31	0	No	No
24738 PANAMA AVE	32	24	0.74	0.92	1	Yes	No
24739 NEPTUNE AVE	41	5	0.74	0.61	0	No	No
24739 PANAMA AVE	43	12	0.74	0.98	4	Yes	No
24739 RAVENNA AVE	42	0	0.74	0.31	0	No	No
24740 MARBELLA AVE	64	16	0.74	0.5	0	No	No
24741 MARBELLA AVE	12	0	0.74	0.31	0	No	No
24743 RAVENNA AVE	42	0	0.74	0.28	0	No	No
24744 MARBELLA AVE	25	11	0.74	1.74	2	Yes	No
24748 RAVENNA AVE	24	0	0.74	0.31	0	No	No
24749 RAVENNA AVE	43	34	0.74	1.63	20	Yes	Yes
24752 RAVENNA AVE	45	1	0.74	0.85	1	Yes	No
24802 PANAMA AVE	47	8	0.74	0.85	3	Yes	No
24803 NEPTUNE AVE	32	2	0.74	0.7	0	No	No
24803 PANAMA AVE	18	0	0.74	0.31	0	No	No
24809 NEPTUNE AVE	27	0	0.74	0.31	0	No	No
24809 PANAMA AVE	36	0	0.74	0.31	0	No	No
24812 PANAMA AVE	29	19	0.74	1.21	5	Yes	Yes
24813 PANAMA AVE	15	0	0.74	0.31	0	No	No



**Table 5-2.1**  
**Summary of Background Analysis for Antimony**  
Former Kast Property  
Carson, CA

Location ID	Antimony (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	19	0.74	2.49	14	Yes	Yes
24818 PANAMA AVE	34	7	0.74	0.93	2	Yes	No
24819 PANAMA AVE	34	1	0.74	0.31	0	No	No
24822 PANAMA AVE	43	1	0.74	0.34	0	No	No
24823 PANAMA AVE	39	0	0.74	0.31	0	No	No
24825 NEPTUNE AVE	98	0	0.74	0.31	0	No	No
24828 PANAMA AVE	36	0	0.74	0.31	0	No	No
24829 PANAMA AVE	48	7	0.74	0.68	0	No	No
24832 PANAMA AVE	38	10	0.74	0.85	1	Yes	No
24833 PANAMA AVE	43	0	0.74	0.31	0	No	No
24838 PANAMA AVE	28	8	0.74	0.6	0	No	No
24904 NEPTUNE AVE	74	19	0.74	1.19	7	Yes	No
24912 NEPTUNE AVE	36	3	0.74	0.45	0	No	No
301 244TH ST	29	0	0.74	0.31	0	No	No
305 244TH ST	54	1	0.74	0.31	0	No	No
311 244TH ST	71	22	0.74	1.09	6	Yes	No
317 244TH ST	58	0	0.74	0.31	0	No	No
321 244TH ST	40	10	0.74	1.78	6	Yes	Yes
327 244TH ST	12	3	0.74	0.91	1	Yes	No
331 244TH ST	28	0	0.74	0.31	0	No	No
337 244TH ST	34	30	0.74	1.28	3	Yes	No
341 244TH ST	48	0	0.74	0.31	0	No	No
344 249TH ST	35	25	0.74	1.05	10	Yes	Yes
345 249TH ST	93	8	0.74	0.66	0	No	No
347 244TH ST	32	8	0.74	0.84	2	Yes	No
348 248TH ST	49	10	0.74	0.75	1	Yes	No
348 249TH ST	51	3	0.74	0.86	1	Yes	No
351 244TH ST	32	0	0.74	0.31	0	No	No
352 249TH ST	32	9	0.74	1.08	1	Yes	No
353 249TH ST	32	0	0.74	0.31	0	No	No
354 248TH ST	39	0	0.74	0.31	0	No	No
357 244TH ST	40	14	0.74	1.24	5	Yes	Yes
357 249TH ST	24	0	0.74	0.31	0	No	No
358 249TH ST	43	0	0.74	0.31	0	No	No
360 248TH ST	48	2	0.74	0.71	0	No	No
361 244TH ST	23	0	0.74	0.31	0	No	No
362 249TH ST	25	0	0.74	0.31	0	No	No
363 249TH ST	27	0	0.74	0.31	0	No	No
364 248TH ST	48	0	0.74	0.31	0	No	No
367 244TH ST	13	0	0.74	0.31	0	No	No
367 249TH ST	46	13	0.74	1.11	1	Yes	No
368 249TH ST	55	0	0.74	0.31	0	No	No
373 249TH ST	42	0	0.74	0.31	0	No	No
374 248TH ST	120	40	0.74	1.21	8	Yes	No
374 249TH ST	27	9	0.74	1.05	2	Yes	No
377 244TH ST	32	5	0.74	0.64	0	No	No
377 249TH ST	33	0	0.74	0.31	0	No	No
378 249TH ST	41	21	0.74	0.82	8	Yes	Yes
383 249TH ST	32	0	0.74	0.31	0	No	No
402 249TH ST	32	0	0.74	0.31	0	No	No
408 249TH ST	24	1	0.74	0.31	0	No	No
412 249TH ST	77	0	0.74	0.31	0	No	No

**Table 5-2.2**  
**Summary of Background Analysis for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Arsenic (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	33	12	29.2	2	Yes	No
24402 NEPTUNE AVE	48	48	12	15.6	1	Yes	No
24402 PANAMA AVE	127	127	12	27.9	8	Yes	No
24402 RAVENNA AVE	40	40	12	25	3	Yes	No
24403 NEPTUNE AVE	46	46	12	18.7	8	Yes	Yes
24403 RAVENNA AVE	62	62	12	13.9	1	Yes	No
24405 MARBELLA AVE	25	25	12	26.9	2	Yes	No
24406 MARBELLA AVE	40	40	12	12.7	2	Yes	No
24406 NEPTUNE AVE	28	28	12	10.4	0	No	No
24406 PANAMA AVE	23	23	12	5.78	0	No	No
24406 RAVENNA AVE	26	26	12	10	0	No	No
24409 NEPTUNE AVE	24	24	12	13.8	1	Yes	No
24409 RAVENNA AVE	33	33	12	16.3	2	Yes	No
24410 PANAMA AVE	33	33	12	5.69	0	No	No
24411 MARBELLA AVE	69	68	12	18	1	Yes	No
24411 PANAMA AVE	37	37	12	43.6	5	Yes	Yes
24412 MARBELLA AVE	31	31	12	14.9	1	Yes	No
24412 RAVENNA AVE	61	61	12	21.1	1	Yes	No
24413 NEPTUNE AVE	24	24	12	14.8	1	Yes	No
24413 RAVENNA AVE	28	28	12	11.9	0	No	No
24416 MARBELLA AVE	50	50	12	21.2	3	Yes	No
24416 NEPTUNE AVE	21	21	12	8.76	0	No	No
24416 PANAMA AVE	33	33	12	6.16	0	No	No
24416 RAVENNA AVE	42	42	12	7.74	0	No	No
24417 MARBELLA AVE	8	8	12	24.6	4	Yes	Yes
24417 PANAMA AVE	47	47	12	11.1	0	No	No
24419 NEPTUNE AVE	32	32	12	19.9	2	Yes	No
24419 RAVENNA AVE	32	32	12	8.57	0	No	No
24420 PANAMA AVE	33	33	12	9.05	0	No	No
24421 PANAMA AVE	30	29	12	12.2	1	Yes	No
24422 MARBELLA AVE	43	43	12	9.62	0	No	No
24422 NEPTUNE AVE	36	36	12	10.9	0	No	No
24422 RAVENNA AVE	29	29	12	7.43	0	No	No
24423 MARBELLA AVE	13	13	12	28.3	2	Yes	No
24423 NEPTUNE AVE	37	37	12	10.3	0	No	No
24423 RAVENNA AVE	40	40	12	8.01	0	No	No
24426 MARBELLA AVE	24	24	12	9.78	0	No	No
24426 NEPTUNE AVE	30	30	12	8.98	0	No	No
24426 PANAMA AVE	30	30	12	6.27	0	No	No
24426 RAVENNA AVE	49	49	12	13.8	1	Yes	No
24427 MARBELLA AVE	25	25	12	13.6	1	Yes	No
24427 PANAMA AVE	38	38	12	11	0	No	No
24429 NEPTUNE AVE	19	19	12	10.7	0	No	No
24429 RAVENNA AVE	29	29	12	7.39	0	No	No
24430 PANAMA AVE	30	30	12	9.26	0	No	No
24431 PANAMA AVE	35	35	12	21.8	1	Yes	No
24432 MARBELLA AVE	67	67	12	16.4	2	Yes	No
24433 MARBELLA AVE	27	27	12	10.1	0	No	No
24436 PANAMA AVE	35	35	12	6.59	0	No	No
24502 MARBELLA AVE	51	51	12	16.9	1	Yes	No
24502 NEPTUNE AVE	58	58	12	7.68	0	No	No
24502 PANAMA AVE	48	45	12	6.85	0	No	No
24502 RAVENNA AVE	44	44	12	8.79	0	No	No
24503 MARBELLA AVE	29	29	12	9.4	0	No	No

**Table 5-2.2**  
**Summary of Background Analysis for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Arsenic (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	60	12	35.5	4	Yes	No
24503 PANAMA AVE	28	28	12	10.1	0	No	No
24503 RAVENNA AVE	34	34	12	11.3	0	No	No
24506 MARBELLA AVE	36	36	12	28.8	6	Yes	Yes
24507 MARBELLA AVE	36	36	12	12.4	1	Yes	No
24508 NEPTUNE AVE	40	40	12	14.8	2	Yes	No
24508 PANAMA AVE	24	24	12	6.58	0	No	No
24508 RAVENNA AVE	39	39	12	9.6	0	No	No
24509 NEPTUNE AVE	31	31	12	15.2	2	Yes	No
24509 PANAMA AVE	47	47	12	12.1	1	Yes	No
24509 RAVENNA AVE	37	37	12	14	2	Yes	No
24512 MARBELLA AVE	48	48	12	18.7	5	Yes	No
24512 NEPTUNE AVE	36	36	12	14.8	2	Yes	No
24512 PANAMA AVE	28	28	12	6.15	0	No	No
24512 RAVENNA AVE	46	46	12	20	2	Yes	No
24513 NEPTUNE AVE	37	37	12	14.4	1	Yes	No
24513 PANAMA AVE	51	51	12	37.9	2	Yes	No
24513 RAVENNA AVE	30	30	12	12.8	2	Yes	No
24516 MARBELLA AVE	30	30	12	17.8	4	Yes	No
24517 MARBELLA AVE	12	12	12	7.9	0	No	No
24518 NEPTUNE AVE	45	45	12	17.3	2	Yes	No
24518 PANAMA AVE	42	42	12	6.81	0	No	No
24518 RAVENNA AVE	30	30	12	26.8	4	Yes	No
24519 NEPTUNE AVE	35	35	12	11.3	0	No	No
24519 PANAMA AVE	30	30	12	9.25	0	No	No
24522 MARBELLA AVE	27	27	12	19	8	Yes	Yes
24522 NEPTUNE AVE	28	28	12	19.8	2	Yes	No
24522 PANAMA AVE	36	36	12	8.92	0	No	No
24522 RAVENNA AVE	35	35	12	13.7	1	Yes	No
24523 MARBELLA AVE	45	45	12	12	0	No	No
24523 NEPTUNE AVE	37	37	12	21.9	4	Yes	No
24523 RAVENNA AVE	17	17	12	9.48	0	No	No
24526 MARBELLA AVE	36	36	12	26.2	2	Yes	No
24528 NEPTUNE AVE	31	31	12	15.8	2	Yes	No
24528 PANAMA AVE	39	39	12	5.8	0	No	No
24529 NEPTUNE AVE	32	32	12	11.3	0	No	No
24529 PANAMA AVE	24	24	12	6.01	0	No	No
24529 RAVENNA AVE	26	26	12	9.29	0	No	No
24532 MARBELLA AVE	27	27	12	16.1	2	Yes	No
24532 NEPTUNE AVE	21	21	12	7.66	0	No	No
24532 PANAMA AVE	23	23	12	11.2	0	No	No
24532 RAVENNA AVE	29	29	12	6.51	0	No	No
24533 MARBELLA AVE	25	25	12	11	0	No	No
24533 PANAMA AVE	29	29	12	8.4	0	No	No
24533 RAVENNA AVE	52	52	12	4.57	0	No	No
24602 MARBELLA AVE	34	34	12	16	2	Yes	No
24602 NEPTUNE AVE	33	33	12	3.86	0	No	No
24602 PANAMA AVE	40	40	12	15	2	Yes	No
24602 RAVENNA AVE	28	28	12	9.3	0	No	No
24603 MARBELLA AVE	26	26	12	12.3	1	Yes	No
24603 NEPTUNE AVE	49	49	12	8.62	0	No	No
24603 PANAMA AVE	30	30	12	8.04	0	No	No
24603 RAVENNA AVE	31	31	12	6.02	0	No	No
24606 MARBELLA AVE	63	63	12	11	0	No	No

**Table 5-2.2**  
**Summary of Background Analysis for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Arsenic (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	31	12	21.1	1	Yes	No
24608 NEPTUNE AVE	37	37	12	6.98	0	No	No
24608 PANAMA AVE	22	22	12	11.2	0	No	No
24608 RAVENNA AVE	40	40	12	14.7	1	Yes	No
24609 NEPTUNE AVE	30	30	12	15.5	4	Yes	No
24609 PANAMA AVE	34	34	12	14.3	1	Yes	No
24609 RAVENNA AVE	45	45	12	5.51	0	No	No
24612 MARBELLA AVE	51	51	12	14.8	2	Yes	No
24612 NEPTUNE AVE	47	47	12	9.42	0	No	No
24612 PANAMA AVE	33	33	12	10.2	0	No	No
24612 RAVENNA AVE	46	46	12	15.6	3	Yes	No
24613 MARBELLA AVE	52	52	12	35.4	11	Yes	Yes
24613 NEPTUNE AVE	39	39	12	15.2	5	Yes	Yes
24613 PANAMA AVE	51	51	12	14.8	1	Yes	No
24613 RAVENNA AVE	33	33	12	8.26	0	No	No
24616 MARBELLA AVE	46	46	12	32.2	5	Yes	No
24617 MARBELLA AVE	34	34	12	17.2	6	Yes	Yes
24618 NEPTUNE AVE	26	26	12	8.68	0	No	No
24618 PANAMA AVE	28	28	12	18.2	1	Yes	No
24618 RAVENNA AVE	40	40	12	15.1	1	Yes	No
24619 NEPTUNE AVE	28	28	12	14.2	3	Yes	No
24619 PANAMA AVE	38	38	12	15	1	Yes	No
24619 RAVENNA AVE	35	35	12	8.63	0	No	No
24622 MARBELLA AVE	53	53	12	28.4	6	Yes	Yes
24622 NEPTUNE AVE	34	34	12	13.2	1	Yes	No
24623 MARBELLA AVE	32	32	12	25.8	3	Yes	No
24623 NEPTUNE AVE	36	36	12	16	7	Yes	Yes
24627 MARBELLA AVE	48	48	12	20.5	4	Yes	No
24628 MARBELLA AVE	52	52	12	25.6	8	Yes	Yes
24628 NEPTUNE AVE	18	18	12	5.85	0	No	No
24629 NEPTUNE AVE	39	39	12	13	2	Yes	No
24632 NEPTUNE AVE	20	20	12	11.2	0	No	No
24633 MARBELLA AVE	40	40	12	27.7	4	Yes	No
24700 MARBELLA AVE	46	46	12	16.2	1	Yes	No
24700 RAVENNA AVE	56	56	12	11.7	0	No	No
24702 NEPTUNE AVE	46	46	12	7.49	0	No	No
24702 PANAMA AVE	30	30	12	13.4	1	Yes	No
24703 MARBELLA AVE	36	36	12	12.8	1	Yes	No
24703 NEPTUNE AVE	39	39	12	10.9	0	No	No
24703 RAVENNA AVE	53	53	12	9.93	0	No	No
24706 MARBELLA AVE	43	43	12	11.5	0	No	No
24706 RAVENNA AVE	33	33	12	13.6	1	Yes	No
24707 MARBELLA AVE	37	37	12	11.2	0	No	No
24708 PANAMA AVE	37	37	12	12.1	1	Yes	No
24709 NEPTUNE AVE	37	37	12	16.8	2	Yes	No
24709 PANAMA AVE	43	43	12	11.4	0	No	No
24709 RAVENNA AVE	52	52	12	11.5	0	No	No
24710 MARBELLA AVE	43	43	12	9.01	0	No	No
24712 NEPTUNE AVE	32	32	12	11.5	0	No	No
24712 PANAMA AVE	27	27	12	7.33	0	No	No
24712 RAVENNA AVE	45	45	12	8.7	0	No	No
24713 MARBELLA AVE	37	37	12	9.79	0	No	No
24713 PANAMA AVE	34	34	12	16.5	2	Yes	No
24713 RAVENNA AVE	35	35	12	6.31	0	No	No

**Table 5-2.2**  
**Summary of Background Analysis for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Arsenic (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	12	16.7	3	Yes	No
24716 MARBELLA AVE	30	30	12	11.2	0	No	No
24716 RAVENNA AVE	15	15	12	10.5	0	No	No
24717 MARBELLA AVE	38	38	12	10.7	0	No	No
24718 NEPTUNE AVE	65	65	12	7.88	0	No	No
24718 PANAMA AVE	33	33	12	11.7	0	No	No
24719 NEPTUNE AVE	33	33	12	8.64	0	No	No
24719 PANAMA AVE	28	28	12	13.6	1	Yes	No
24719 RAVENNA AVE	45	45	12	9.28	0	No	No
24722 MARBELLA AVE	34	34	12	6.6	0	No	No
24722 NEPTUNE AVE	40	40	12	5.46	0	No	No
24722 PANAMA AVE	18	18	12	6.56	0	No	No
24722 RAVENNA AVE	41	41	12	8.6	0	No	No
24723 MARBELLA AVE	22	22	12	5.79	0	No	No
24723 RAVENNA AVE	37	35	12	4.42	0	No	No
24725 NEPTUNE AVE	35	35	12	6.63	0	No	No
24726 MARBELLA AVE	49	49	12	11.4	0	No	No
24726 RAVENNA AVE	37	37	12	5.68	0	No	No
24727 MARBELLA AVE	40	40	12	8.17	0	No	No
24728 NEPTUNE AVE	33	33	12	4.76	0	No	No
24728 PANAMA AVE	31	31	12	10.8	0	No	No
24729 NEPTUNE AVE	35	35	12	6.3	0	No	No
24729 PANAMA AVE	34	34	12	8.85	0	No	No
24729 RAVENNA AVE	16	16	12	6.51	0	No	No
24732 MARBELLA AVE	37	37	12	9.03	0	No	No
24732 NEPTUNE AVE	35	35	12	4.68	0	No	No
24732 PANAMA AVE	33	33	12	6	0	No	No
24732 RAVENNA AVE	42	39	12	5.82	0	No	No
24733 MARBELLA AVE	32	32	12	8.98	0	No	No
24733 PANAMA AVE	38	38	12	6.64	0	No	No
24733 RAVENNA AVE	40	40	12	5.06	0	No	No
24735 NEPTUNE AVE	36	36	12	4.92	0	No	No
24736 MARBELLA AVE	52	52	12	8.55	0	No	No
24736 RAVENNA AVE	43	43	12	5.62	0	No	No
24737 MARBELLA AVE	28	28	12	6.3	0	No	No
24738 NEPTUNE AVE	51	51	12	5.76	0	No	No
24738 PANAMA AVE	32	32	12	4.61	0	No	No
24739 NEPTUNE AVE	41	41	12	7.14	0	No	No
24739 PANAMA AVE	43	43	12	9.32	0	No	No
24739 RAVENNA AVE	42	41	12	4.09	0	No	No
24740 MARBELLA AVE	64	64	12	10.8	0	No	No
24741 MARBELLA AVE	12	12	12	5.39	0	No	No
24743 RAVENNA AVE	42	42	12	4.3	0	No	No
24744 MARBELLA AVE	25	25	12	5.81	0	No	No
24748 RAVENNA AVE	24	24	12	6.9	0	No	No
24749 RAVENNA AVE	43	43	12	6.22	0	No	No
24752 RAVENNA AVE	45	45	12	5.5	0	No	No
24802 PANAMA AVE	47	47	12	5.33	0	No	No
24803 NEPTUNE AVE	32	32	12	6.7	0	No	No
24803 PANAMA AVE	18	18	12	5.03	0	No	No
24809 NEPTUNE AVE	27	27	12	3.01	0	No	No
24809 PANAMA AVE	36	36	12	6.83	0	No	No
24812 PANAMA AVE	29	29	12	3.54	0	No	No
24813 PANAMA AVE	15	15	12	4.47	0	No	No

**Table 5-2.2**  
**Summary of Background Analysis for Arsenic**  
Former Kast Property  
Carson, CA

Location ID	Arsenic (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	30	12	5.2	0	No	No
24818 PANAMA AVE	34	34	12	4.33	0	No	No
24819 PANAMA AVE	34	34	12	6.01	0	No	No
24822 PANAMA AVE	43	43	12	5.75	0	No	No
24823 PANAMA AVE	39	39	12	5.9	0	No	No
24825 NEPTUNE AVE	98	98	12	6.45	0	No	No
24828 PANAMA AVE	36	36	12	3.77	0	No	No
24829 PANAMA AVE	48	48	12	8.67	0	No	No
24832 PANAMA AVE	38	37	12	3.9	0	No	No
24833 PANAMA AVE	43	43	12	3.8	0	No	No
24838 PANAMA AVE	28	28	12	7.23	0	No	No
24904 NEPTUNE AVE	74	74	12	6.59	0	No	No
24912 NEPTUNE AVE	36	36	12	6.07	0	No	No
301 244TH ST	29	24	12	14	1	Yes	No
305 244TH ST	54	54	12	28.2	9	Yes	Yes
311 244TH ST	71	71	12	39.6	4	Yes	No
317 244TH ST	58	58	12	20.2	4	Yes	No
321 244TH ST	40	40	12	50.9	6	Yes	Yes
327 244TH ST	12	12	12	10.9	0	No	No
331 244TH ST	28	28	12	62.9	6	Yes	Yes
337 244TH ST	34	34	12	19.3	5	Yes	Yes
341 244TH ST	48	48	12	19.3	4	Yes	No
344 249TH ST	35	35	12	4.73	0	No	No
345 249TH ST	93	93	12	5.99	0	No	No
347 244TH ST	32	32	12	14.2	1	Yes	No
348 248TH ST	49	49	12	5.58	0	No	No
348 249TH ST	51	50	12	6.55	0	No	No
351 244TH ST	32	32	12	8.58	0	No	No
352 249TH ST	32	32	12	4.32	0	No	No
353 249TH ST	32	32	12	11.1	0	No	No
354 248TH ST	39	39	12	6.21	0	No	No
357 244TH ST	40	40	12	9.56	0	No	No
357 249TH ST	24	24	12	6.17	0	No	No
358 249TH ST	43	42	12	4.93	0	No	No
360 248TH ST	48	48	12	8.26	0	No	No
361 244TH ST	23	23	12	9.84	0	No	No
362 249TH ST	25	25	12	5.67	0	No	No
363 249TH ST	27	27	12	6.3	0	No	No
364 248TH ST	48	48	12	4.86	0	No	No
367 244TH ST	13	13	12	5.55	0	No	No
367 249TH ST	46	46	12	5.96	0	No	No
368 249TH ST	55	55	12	7.22	0	No	No
373 249TH ST	42	41	12	5.06	0	No	No
374 248TH ST	120	120	12	7.46	0	No	No
374 249TH ST	27	24	12	3.38	0	No	No
377 244TH ST	32	32	12	11.6	0	No	No
377 249TH ST	33	21	12	2.54	0	No	No
378 249TH ST	41	41	12	4.38	0	No	No
383 249TH ST	32	32	12	6.86	0	No	No
402 249TH ST	32	32	12	3.6	0	No	No
408 249TH ST	24	24	12	6.7	0	No	No
412 249TH ST	77	77	12	11.5	0	No	No

**Table 5-2.3**  
**Summary of Background Analysis for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Cadmium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	30	3.81	1.16	0	No	No
24402 NEPTUNE AVE	48	0	3.81	0.09	0	No	No
24402 PANAMA AVE	127	36	3.81	0.83	0	No	No
24402 RAVENNA AVE	40	23	3.81	1.54	0	No	No
24403 NEPTUNE AVE	46	0	3.81	0.09	0	No	No
24403 RAVENNA AVE	62	41	3.81	0.58	0	No	No
24405 MARBELLA AVE	25	20	3.81	0.21	0	No	No
24406 MARBELLA AVE	40	18	3.81	0.7	0	No	No
24406 NEPTUNE AVE	28	20	3.81	0.75	0	No	No
24406 PANAMA AVE	23	1	3.81	0.09	0	No	No
24406 RAVENNA AVE	26	17	3.81	0.47	0	No	No
24409 NEPTUNE AVE	24	12	3.81	1.85	0	No	No
24409 RAVENNA AVE	33	30	3.81	1.4	0	No	No
24410 PANAMA AVE	33	8	3.81	0.36	0	No	No
24411 MARBELLA AVE	69	29	3.81	0.45	0	No	No
24411 PANAMA AVE	37	2	3.81	6.33	2	Yes	No
24412 MARBELLA AVE	31	16	3.81	1.68	0	No	No
24412 RAVENNA AVE	61	0	3.81	0.09	0	No	No
24413 NEPTUNE AVE	24	6	3.81	2.05	0	No	No
24413 RAVENNA AVE	28	4	3.81	0.98	0	No	No
24416 MARBELLA AVE	50	8	3.81	0.93	0	No	No
24416 NEPTUNE AVE	21	21	3.81	0.38	0	No	No
24416 PANAMA AVE	33	21	3.81	0.37	0	No	No
24416 RAVENNA AVE	42	1	3.81	1.22	0	No	No
24417 MARBELLA AVE	8	0	3.81	0.09	0	No	No
24417 PANAMA AVE	47	24	3.81	0.57	0	No	No
24419 NEPTUNE AVE	32	0	3.81	0.09	0	No	No
24419 RAVENNA AVE	32	1	3.81	0.43	0	No	No
24420 PANAMA AVE	33	6	3.81	1.09	0	No	No
24421 PANAMA AVE	30	9	3.81	0.34	0	No	No
24422 MARBELLA AVE	43	9	3.81	0.81	0	No	No
24422 NEPTUNE AVE	36	1	3.81	0.22	0	No	No
24422 RAVENNA AVE	29	9	3.81	0.15	0	No	No
24423 MARBELLA AVE	13	1	3.81	1.7	0	No	No
24423 NEPTUNE AVE	37	21	3.81	0.39	0	No	No
24423 RAVENNA AVE	40	4	3.81	0.38	0	No	No
24426 MARBELLA AVE	24	4	3.81	0.79	0	No	No
24426 NEPTUNE AVE	30	0	3.81	0.09	0	No	No
24426 PANAMA AVE	30	12	3.81	0.75	0	No	No
24426 RAVENNA AVE	49	1	3.81	0.8	0	No	No
24427 MARBELLA AVE	25	0	3.81	0.09	0	No	No
24427 PANAMA AVE	38	1	3.81	1.08	0	No	No
24429 NEPTUNE AVE	19	0	3.81	0.09	0	No	No
24429 RAVENNA AVE	29	18	3.81	0.44	0	No	No
24430 PANAMA AVE	30	1	3.81	1.37	0	No	No
24431 PANAMA AVE	35	18	3.81	1.12	0	No	No
24432 MARBELLA AVE	67	16	3.81	0.66	0	No	No
24433 MARBELLA AVE	27	3	3.81	0.32	0	No	No
24436 PANAMA AVE	35	0	3.81	0.09	0	No	No
24502 MARBELLA AVE	51	30	3.81	2.8	0	No	No
24502 NEPTUNE AVE	58	0	3.81	0.09	0	No	No
24502 PANAMA AVE	48	0	3.81	0.14	0	No	No
24502 RAVENNA AVE	44	4	3.81	0.25	0	No	No
24503 MARBELLA AVE	29	0	3.81	0.09	0	No	No

**Table 5-2.3**  
**Summary of Background Analysis for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Cadmium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	12	3.81	0.72	0	No	No
24503 PANAMA AVE	28	23	3.81	0.27	0	No	No
24503 RAVENNA AVE	34	1	3.81	0.14	0	No	No
24506 MARBELLA AVE	36	24	3.81	0.47	0	No	No
24507 MARBELLA AVE	36	33	3.81	0.34	0	No	No
24508 NEPTUNE AVE	40	0	3.81	0.09	0	No	No
24508 PANAMA AVE	24	0	3.81	0.09	0	No	No
24508 RAVENNA AVE	39	4	3.81	0.28	0	No	No
24509 NEPTUNE AVE	31	22	3.81	0.64	0	No	No
24509 PANAMA AVE	47	17	3.81	1.85	0	No	No
24509 RAVENNA AVE	37	1	3.81	1	0	No	No
24512 MARBELLA AVE	48	48	3.81	0.73	0	No	No
24512 NEPTUNE AVE	36	36	3.81	1.36	0	No	No
24512 PANAMA AVE	28	2	3.81	0.27	0	No	No
24512 RAVENNA AVE	46	29	3.81	0.31	0	No	No
24513 NEPTUNE AVE	37	3	3.81	0.27	0	No	No
24513 PANAMA AVE	51	3	3.81	0.12	0	No	No
24513 RAVENNA AVE	30	13	3.81	0.37	0	No	No
24516 MARBELLA AVE	30	0	3.81	0.09	0	No	No
24517 MARBELLA AVE	12	8	3.81	0.98	0	No	No
24518 NEPTUNE AVE	45	29	3.81	0.46	0	No	No
24518 PANAMA AVE	42	6	3.81	0.44	0	No	No
24518 RAVENNA AVE	30	9	3.81	0.58	0	No	No
24519 NEPTUNE AVE	35	8	3.81	6.88	1	Yes	No
24519 PANAMA AVE	30	11	3.81	0.51	0	No	No
24522 MARBELLA AVE	27	13	3.81	0.39	0	No	No
24522 NEPTUNE AVE	28	17	3.81	0.58	0	No	No
24522 PANAMA AVE	36	0	3.81	0.09	0	No	No
24522 RAVENNA AVE	35	8	3.81	0.28	0	No	No
24523 MARBELLA AVE	45	14	3.81	0.63	0	No	No
24523 NEPTUNE AVE	37	4	3.81	0.36	0	No	No
24523 RAVENNA AVE	17	6	3.81	0.73	0	No	No
24526 MARBELLA AVE	36	14	3.81	0.57	0	No	No
24528 NEPTUNE AVE	31	12	3.81	0.28	0	No	No
24528 PANAMA AVE	39	1	3.81	0.2	0	No	No
24529 NEPTUNE AVE	32	3	3.81	0.72	0	No	No
24529 PANAMA AVE	24	16	3.81	0.59	0	No	No
24529 RAVENNA AVE	26	14	3.81	3.72	0	No	No
24532 MARBELLA AVE	27	16	3.81	0.33	0	No	No
24532 NEPTUNE AVE	21	6	3.81	1.35	0	No	No
24532 PANAMA AVE	23	22	3.81	0.43	0	No	No
24532 RAVENNA AVE	29	1	3.81	0.12	0	No	No
24533 MARBELLA AVE	25	21	3.81	2.6	0	No	No
24533 PANAMA AVE	29	2	3.81	1.1	0	No	No
24533 RAVENNA AVE	52	5	3.81	0.42	0	No	No
24602 MARBELLA AVE	34	34	3.81	1.2	0	No	No
24602 NEPTUNE AVE	33	0	3.81	0.09	0	No	No
24602 PANAMA AVE	40	0	3.81	0.09	0	No	No
24602 RAVENNA AVE	28	1	3.81	0.17	0	No	No
24603 MARBELLA AVE	26	3	3.81	0.31	0	No	No
24603 NEPTUNE AVE	49	5	3.81	0.2	0	No	No
24603 PANAMA AVE	30	0	3.81	0.09	0	No	No
24603 RAVENNA AVE	31	5	3.81	0.22	0	No	No
24606 MARBELLA AVE	63	7	3.81	0.33	0	No	No



**Table 5-2.3**  
**Summary of Background Analysis for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Cadmium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	17	3.81	0.65	0	No	No
24608 NEPTUNE AVE	37	0	3.81	0.09	0	No	No
24608 PANAMA AVE	22	14	3.81	0.27	0	No	No
24608 RAVENNA AVE	40	8	3.81	1	0	No	No
24609 NEPTUNE AVE	30	7	3.81	0.39	0	No	No
24609 PANAMA AVE	34	5	3.81	0.38	0	No	No
24609 RAVENNA AVE	45	4	3.81	0.6	0	No	No
24612 MARBELLA AVE	51	27	3.81	3.08	0	No	No
24612 NEPTUNE AVE	47	4	3.81	0.77	0	No	No
24612 PANAMA AVE	33	25	3.81	0.51	0	No	No
24612 RAVENNA AVE	46	26	3.81	0.61	0	No	No
24613 MARBELLA AVE	52	0	3.81	0.09	0	No	No
24613 NEPTUNE AVE	39	18	3.81	0.33	0	No	No
24613 PANAMA AVE	51	1	3.81	0.2	0	No	No
24613 RAVENNA AVE	33	14	3.81	0.32	0	No	No
24616 MARBELLA AVE	46	12	3.81	0.28	0	No	No
24617 MARBELLA AVE	34	33	3.81	1.02	0	No	No
24618 NEPTUNE AVE	26	0	3.81	0.09	0	No	No
24618 PANAMA AVE	28	4	3.81	0.63	0	No	No
24618 RAVENNA AVE	40	27	3.81	0.19	0	No	No
24619 NEPTUNE AVE	28	0	3.81	0.09	0	No	No
24619 PANAMA AVE	38	7	3.81	0.21	0	No	No
24619 RAVENNA AVE	35	6	3.81	0.32	0	No	No
24622 MARBELLA AVE	53	1	3.81	1.03	0	No	No
24622 NEPTUNE AVE	34	25	3.81	0.61	0	No	No
24623 MARBELLA AVE	32	28	3.81	0.57	0	No	No
24623 NEPTUNE AVE	36	1	3.81	0.24	0	No	No
24627 MARBELLA AVE	48	0	3.81	0.09	0	No	No
24628 MARBELLA AVE	52	34	3.81	0.78	0	No	No
24628 NEPTUNE AVE	18	1	3.81	0.09	0	No	No
24629 NEPTUNE AVE	39	1	3.81	0.1	0	No	No
24632 NEPTUNE AVE	20	0	3.81	0.09	0	No	No
24633 MARBELLA AVE	40	7	3.81	0.58	0	No	No
24700 MARBELLA AVE	46	1	3.81	0.3	0	No	No
24700 RAVENNA AVE	56	0	3.81	0.09	0	No	No
24702 NEPTUNE AVE	46	4	3.81	0.39	0	No	No
24702 PANAMA AVE	30	2	3.81	1.72	0	No	No
24703 MARBELLA AVE	36	15	3.81	0.66	0	No	No
24703 NEPTUNE AVE	39	15	3.81	0.65	0	No	No
24703 RAVENNA AVE	53	3	3.81	0.29	0	No	No
24706 MARBELLA AVE	43	3	3.81	0.53	0	No	No
24706 RAVENNA AVE	33	3	3.81	0.19	0	No	No
24707 MARBELLA AVE	37	0	3.81	0.09	0	No	No
24708 PANAMA AVE	37	13	3.81	0.72	0	No	No
24709 NEPTUNE AVE	37	0	3.81	0.09	0	No	No
24709 PANAMA AVE	43	3	3.81	0.15	0	No	No
24709 RAVENNA AVE	52	6	3.81	0.15	0	No	No
24710 MARBELLA AVE	43	19	3.81	0.52	0	No	No
24712 NEPTUNE AVE	32	0	3.81	0.09	0	No	No
24712 PANAMA AVE	27	3	3.81	0.23	0	No	No
24712 RAVENNA AVE	45	5	3.81	0.18	0	No	No
24713 MARBELLA AVE	37	15	3.81	0.34	0	No	No
24713 PANAMA AVE	34	28	3.81	0.62	0	No	No
24713 RAVENNA AVE	35	34	3.81	0.61	0	No	No

**Table 5-2.3**  
**Summary of Background Analysis for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Cadmium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	12	3.81	0.47	0	No	No
24716 MARBELLA AVE	30	0	3.81	0.09	0	No	No
24716 RAVENNA AVE	15	5	3.81	0.2	0	No	No
24717 MARBELLA AVE	38	0	3.81	0.09	0	No	No
24718 NEPTUNE AVE	65	18	3.81	0.19	0	No	No
24718 PANAMA AVE	33	1	3.81	0.28	0	No	No
24719 NEPTUNE AVE	33	0	3.81	0.09	0	No	No
24719 PANAMA AVE	28	0	3.81	0.09	0	No	No
24719 RAVENNA AVE	45	3	3.81	0.17	0	No	No
24722 MARBELLA AVE	34	17	3.81	0.41	0	No	No
24722 NEPTUNE AVE	40	9	3.81	0.31	0	No	No
24722 PANAMA AVE	18	0	3.81	0.09	0	No	No
24722 RAVENNA AVE	41	12	3.81	0.52	0	No	No
24723 MARBELLA AVE	22	1	3.81	0.58	0	No	No
24723 RAVENNA AVE	37	9	3.81	1.53	0	No	No
24725 NEPTUNE AVE	35	1	3.81	0.09	0	No	No
24726 MARBELLA AVE	49	0	3.81	0.09	0	No	No
24726 RAVENNA AVE	37	6	3.81	0.19	0	No	No
24727 MARBELLA AVE	40	39	3.81	0.69	0	No	No
24728 NEPTUNE AVE	33	0	3.81	0.09	0	No	No
24728 PANAMA AVE	31	16	3.81	2.12	0	No	No
24729 NEPTUNE AVE	35	1	3.81	0.09	0	No	No
24729 PANAMA AVE	34	8	3.81	0.15	0	No	No
24729 RAVENNA AVE	16	0	3.81	0.09	0	No	No
24732 MARBELLA AVE	37	0	3.81	0.09	0	No	No
24732 NEPTUNE AVE	35	8	3.81	0.3	0	No	No
24732 PANAMA AVE	33	5	3.81	1.16	0	No	No
24732 RAVENNA AVE	42	1	3.81	0.15	0	No	No
24733 MARBELLA AVE	32	27	3.81	0.44	0	No	No
24733 PANAMA AVE	38	38	3.81	0.5	0	No	No
24733 RAVENNA AVE	40	30	3.81	0.43	0	No	No
24735 NEPTUNE AVE	36	0	3.81	0.09	0	No	No
24736 MARBELLA AVE	52	1	3.81	0.5	0	No	No
24736 RAVENNA AVE	43	11	3.81	0.39	0	No	No
24737 MARBELLA AVE	28	1	3.81	0.86	0	No	No
24738 NEPTUNE AVE	51	3	3.81	0.32	0	No	No
24738 PANAMA AVE	32	8	3.81	0.57	0	No	No
24739 NEPTUNE AVE	41	5	3.81	0.61	0	No	No
24739 PANAMA AVE	43	35	3.81	0.57	0	No	No
24739 RAVENNA AVE	42	10	3.81	0.55	0	No	No
24740 MARBELLA AVE	64	0	3.81	0.09	0	No	No
24741 MARBELLA AVE	12	1	3.81	0.14	0	No	No
24743 RAVENNA AVE	42	35	3.81	0.44	0	No	No
24744 MARBELLA AVE	25	1	3.81	0.14	0	No	No
24748 RAVENNA AVE	24	0	3.81	0.09	0	No	No
24749 RAVENNA AVE	43	3	3.81	0.34	0	No	No
24752 RAVENNA AVE	45	3	3.81	0.39	0	No	No
24802 PANAMA AVE	47	4	3.81	0.41	0	No	No
24803 NEPTUNE AVE	32	3	3.81	0.39	0	No	No
24803 PANAMA AVE	18	1	3.81	0.11	0	No	No
24809 NEPTUNE AVE	27	7	3.81	9.02	1	Yes	No
24809 PANAMA AVE	36	1	3.81	0.13	0	No	No
24812 PANAMA AVE	29	3	3.81	0.28	0	No	No
24813 PANAMA AVE	15	0	3.81	0.09	0	No	No

**Table 5-2.3**  
**Summary of Background Analysis for Cadmium**  
Former Kast Property  
Carson, CA

Location ID	Cadmium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	8	3.81	0.93	0	No	No
24818 PANAMA AVE	34	0	3.81	0.09	0	No	No
24819 PANAMA AVE	34	1	3.81	0.63	0	No	No
24822 PANAMA AVE	43	2	3.81	0.31	0	No	No
24823 PANAMA AVE	39	4	3.81	0.26	0	No	No
24825 NEPTUNE AVE	98	58	3.81	0.82	0	No	No
24828 PANAMA AVE	36	36	3.81	0.58	0	No	No
24829 PANAMA AVE	48	0	3.81	0.09	0	No	No
24832 PANAMA AVE	38	10	3.81	0.4	0	No	No
24833 PANAMA AVE	43	1	3.81	0.34	0	No	No
24838 PANAMA AVE	28	1	3.81	0.11	0	No	No
24904 NEPTUNE AVE	74	0	3.81	0.09	0	No	No
24912 NEPTUNE AVE	36	0	3.81	0.09	0	No	No
301 244TH ST	29	1	3.81	0.15	0	No	No
305 244TH ST	54	9	3.81	1.39	0	No	No
311 244TH ST	71	44	3.81	3.76	0	No	No
317 244TH ST	58	51	3.81	0.43	0	No	No
321 244TH ST	40	25	3.81	1	0	No	No
327 244TH ST	12	0	3.81	0.09	0	No	No
331 244TH ST	28	16	3.81	1.12	0	No	No
337 244TH ST	34	30	3.81	1.18	0	No	No
341 244TH ST	48	0	3.81	0.09	0	No	No
344 249TH ST	35	3	3.81	0.78	0	No	No
345 249TH ST	93	61	3.81	1.93	0	No	No
347 244TH ST	32	0	3.81	0.09	0	No	No
348 248TH ST	49	6	3.81	0.18	0	No	No
348 249TH ST	51	13	3.81	0.22	0	No	No
351 244TH ST	32	4	3.81	0.4	0	No	No
352 249TH ST	32	5	3.81	0.47	0	No	No
353 249TH ST	32	0	3.81	0.09	0	No	No
354 248TH ST	39	9	3.81	0.79	0	No	No
357 244TH ST	40	0	3.81	0.09	0	No	No
357 249TH ST	24	0	3.81	0.09	0	No	No
358 249TH ST	43	3	3.81	0.2	0	No	No
360 248TH ST	48	48	3.81	0.74	0	No	No
361 244TH ST	23	0	3.81	0.09	0	No	No
362 249TH ST	25	0	3.81	0.09	0	No	No
363 249TH ST	27	13	3.81	2.89	0	No	No
364 248TH ST	48	21	3.81	0.37	0	No	No
367 244TH ST	13	0	3.81	0.09	0	No	No
367 249TH ST	46	19	3.81	0.32	0	No	No
368 249TH ST	55	8	3.81	0.33	0	No	No
373 249TH ST	42	15	3.81	0.56	0	No	No
374 248TH ST	120	21	3.81	1.88	0	No	No
374 249TH ST	27	6	3.81	0.33	0	No	No
377 244TH ST	32	10	3.81	0.47	0	No	No
377 249TH ST	33	0	3.81	0.09	0	No	No
378 249TH ST	41	8	3.81	0.27	0	No	No
383 249TH ST	32	0	3.81	0.09	0	No	No
402 249TH ST	32	10	3.81	0.53	0	No	No
408 249TH ST	24	8	3.81	1.34	0	No	No
412 249TH ST	77	28	3.81	0.29	0	No	No

**Table 5-2.4**  
**Summary of Background Analysis for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Cobalt (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	33	10.91	16	15	Yes	Yes
24402 NEPTUNE AVE	48	48	10.91	14	8	Yes	Yes
24402 PANAMA AVE	127	127	10.91	16.5	71	Yes	Yes
24402 RAVENNA AVE	40	40	10.91	18.4	13	Yes	Yes
24403 NEPTUNE AVE	46	46	10.91	19	12	Yes	Yes
24403 RAVENNA AVE	62	62	10.91	17.3	13	Yes	Yes
24405 MARBELLA AVE	25	25	10.91	16.5	12	Yes	Yes
24406 MARBELLA AVE	40	40	10.91	15	14	Yes	Yes
24406 NEPTUNE AVE	28	28	10.91	14.1	6	Yes	Yes
24406 PANAMA AVE	23	23	10.91	15.8	7	Yes	Yes
24406 RAVENNA AVE	26	26	10.91	12	3	Yes	No
24409 NEPTUNE AVE	24	24	10.91	10.8	0	No	No
24409 RAVENNA AVE	33	33	10.91	12.6	6	Yes	Yes
24410 PANAMA AVE	33	33	10.91	16.5	6	Yes	Yes
24411 MARBELLA AVE	69	69	10.91	15.1	35	Yes	Yes
24411 PANAMA AVE	37	37	10.91	14.8	13	Yes	Yes
24412 MARBELLA AVE	31	31	10.91	31.3	17	Yes	Yes
24412 RAVENNA AVE	61	61	10.91	13.9	16	Yes	Yes
24413 NEPTUNE AVE	24	24	10.91	11.7	1	Yes	No
24413 RAVENNA AVE	28	28	10.91	13.5	4	Yes	Yes
24416 MARBELLA AVE	50	50	10.91	21.5	16	Yes	Yes
24416 NEPTUNE AVE	21	21	10.91	10.8	0	No	No
24416 PANAMA AVE	33	33	10.91	12.2	7	Yes	Yes
24416 RAVENNA AVE	42	42	10.91	13.5	4	Yes	No
24417 MARBELLA AVE	8	8	10.91	13.9	5	Yes	Yes
24417 PANAMA AVE	47	47	10.91	13.6	9	Yes	Yes
24419 NEPTUNE AVE	32	32	10.91	11.2	2	Yes	No
24419 RAVENNA AVE	32	32	10.91	14.4	3	Yes	No
24420 PANAMA AVE	33	33	10.91	11.5	1	Yes	No
24421 PANAMA AVE	30	30	10.91	13.5	4	Yes	No
24422 MARBELLA AVE	43	43	10.91	14.1	4	Yes	No
24422 NEPTUNE AVE	36	36	10.91	11.4	3	Yes	No
24422 RAVENNA AVE	29	29	10.91	11	1	Yes	No
24423 MARBELLA AVE	13	13	10.91	14.7	6	Yes	Yes
24423 NEPTUNE AVE	37	37	10.91	12.8	3	Yes	No
24423 RAVENNA AVE	40	40	10.91	13.5	5	Yes	Yes
24426 MARBELLA AVE	24	24	10.91	12.4	2	Yes	No
24426 NEPTUNE AVE	30	30	10.91	12.2	5	Yes	Yes
24426 PANAMA AVE	30	30	10.91	14.2	8	Yes	Yes
24426 RAVENNA AVE	49	49	10.91	15.3	9	Yes	Yes
24427 MARBELLA AVE	25	25	10.91	15.5	19	Yes	Yes
24427 PANAMA AVE	38	38	10.91	13.8	6	Yes	Yes
24429 NEPTUNE AVE	19	19	10.91	11.3	1	Yes	No
24429 RAVENNA AVE	29	29	10.91	11.5	2	Yes	No
24430 PANAMA AVE	30	30	10.91	12.1	2	Yes	No
24431 PANAMA AVE	35	35	10.91	12.7	8	Yes	Yes
24432 MARBELLA AVE	67	67	10.91	13.6	6	Yes	No
24433 MARBELLA AVE	27	27	10.91	16.5	18	Yes	Yes
24436 PANAMA AVE	35	35	10.91	11.7	1	Yes	No
24502 MARBELLA AVE	51	51	10.91	13	11	Yes	Yes
24502 NEPTUNE AVE	58	58	10.91	11.7	2	Yes	No
24502 PANAMA AVE	48	48	10.91	12.7	1	Yes	No
24502 RAVENNA AVE	44	44	10.91	12.3	1	Yes	No
24503 MARBELLA AVE	29	29	10.91	24.9	20	Yes	Yes

**Table 5-2.4**  
**Summary of Background Analysis for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Cobalt (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	60	10.91	14.5	4	Yes	No
24503 PANAMA AVE	28	28	10.91	11.9	3	Yes	No
24503 RAVENNA AVE	34	34	10.91	13.5	2	Yes	No
24506 MARBELLA AVE	36	36	10.91	17.1	6	Yes	Yes
24507 MARBELLA AVE	36	36	10.91	17.5	33	Yes	Yes
24508 NEPTUNE AVE	40	40	10.91	11.5	2	Yes	No
24508 PANAMA AVE	24	24	10.91	12	3	Yes	No
24508 RAVENNA AVE	39	39	10.91	11.7	7	Yes	Yes
24509 NEPTUNE AVE	31	31	10.91	11.3	1	Yes	No
24509 PANAMA AVE	47	47	10.91	11.7	1	Yes	No
24509 RAVENNA AVE	37	37	10.91	11.6	2	Yes	No
24512 MARBELLA AVE	48	48	10.91	16.9	17	Yes	Yes
24512 NEPTUNE AVE	36	36	10.91	15.2	4	Yes	No
24512 PANAMA AVE	28	28	10.91	10.9	0	No	No
24512 RAVENNA AVE	46	46	10.91	12.2	1	Yes	No
24513 NEPTUNE AVE	37	37	10.91	16.4	2	Yes	No
24513 PANAMA AVE	51	51	10.91	10.3	0	No	No
24513 RAVENNA AVE	30	30	10.91	12.6	4	Yes	No
24516 MARBELLA AVE	30	30	10.91	11.6	1	Yes	No
24517 MARBELLA AVE	12	12	10.91	18.4	8	Yes	Yes
24518 NEPTUNE AVE	45	45	10.91	16.3	6	Yes	Yes
24518 PANAMA AVE	42	42	10.91	11.2	1	Yes	No
24518 RAVENNA AVE	30	30	10.91	10.7	0	No	No
24519 NEPTUNE AVE	35	35	10.91	11.3	3	Yes	No
24519 PANAMA AVE	30	30	10.91	11.9	1	Yes	No
24522 MARBELLA AVE	27	27	10.91	18.6	17	Yes	Yes
24522 NEPTUNE AVE	28	28	10.91	11.3	5	Yes	Yes
24522 PANAMA AVE	36	36	10.91	10.6	0	No	No
24522 RAVENNA AVE	35	35	10.91	14	2	Yes	No
24523 MARBELLA AVE	45	45	10.91	15.7	22	Yes	Yes
24523 NEPTUNE AVE	37	37	10.91	13.6	5	Yes	Yes
24523 RAVENNA AVE	17	17	10.91	10.7	0	No	No
24526 MARBELLA AVE	36	36	10.91	16	17	Yes	Yes
24528 NEPTUNE AVE	31	31	10.91	17.6	1	Yes	No
24528 PANAMA AVE	39	39	10.91	15.7	1	Yes	No
24529 NEPTUNE AVE	32	32	10.91	16.2	3	Yes	No
24529 PANAMA AVE	24	24	10.91	9.54	0	No	No
24529 RAVENNA AVE	26	26	10.91	11.2	1	Yes	No
24532 MARBELLA AVE	27	27	10.91	18.3	13	Yes	Yes
24532 NEPTUNE AVE	21	21	10.91	14.9	3	Yes	No
24532 PANAMA AVE	23	23	10.91	7.63	0	No	No
24532 RAVENNA AVE	29	29	10.91	11.5	1	Yes	No
24533 MARBELLA AVE	25	25	10.91	16.4	10	Yes	Yes
24533 PANAMA AVE	29	29	10.91	10.3	0	No	No
24533 RAVENNA AVE	52	52	10.91	11.8	1	Yes	No
24602 MARBELLA AVE	34	34	10.91	16.4	9	Yes	Yes
24602 NEPTUNE AVE	33	33	10.91	11.9	2	Yes	No
24602 PANAMA AVE	40	40	10.91	8.81	0	No	No
24602 RAVENNA AVE	28	28	10.91	11.8	2	Yes	No
24603 MARBELLA AVE	26	26	10.91	15.7	15	Yes	Yes
24603 NEPTUNE AVE	49	49	10.91	12.6	2	Yes	No
24603 PANAMA AVE	30	30	10.91	12.8	1	Yes	No
24603 RAVENNA AVE	31	31	10.91	13.3	1	Yes	No
24606 MARBELLA AVE	63	63	10.91	14.7	18	Yes	Yes

**Table 5-2.4**  
**Summary of Background Analysis for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Cobalt (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	31	10.91	15.8	12	Yes	<b>Yes</b>
24608 NEPTUNE AVE	37	37	10.91	9.76	0	No	No
24608 PANAMA AVE	22	22	10.91	8.31	0	No	No
24608 RAVENNA AVE	40	40	10.91	9.16	0	No	No
24609 NEPTUNE AVE	30	30	10.91	15.6	2	Yes	No
24609 PANAMA AVE	34	34	10.91	13	1	Yes	No
24609 RAVENNA AVE	45	45	10.91	10.7	0	No	No
24612 MARBELLA AVE	51	51	10.91	15.1	23	Yes	<b>Yes</b>
24612 NEPTUNE AVE	47	47	10.91	9.86	0	No	No
24612 PANAMA AVE	33	33	10.91	8.68	0	No	No
24612 RAVENNA AVE	46	46	10.91	9.79	0	No	No
24613 MARBELLA AVE	52	52	10.91	26	32	Yes	<b>Yes</b>
24613 NEPTUNE AVE	39	39	10.91	12.1	1	Yes	No
24613 PANAMA AVE	51	51	10.91	12.1	2	Yes	No
24613 RAVENNA AVE	33	33	10.91	10.1	0	No	No
24616 MARBELLA AVE	46	46	10.91	13.1	9	Yes	<b>Yes</b>
24617 MARBELLA AVE	34	34	10.91	19.3	21	Yes	<b>Yes</b>
24618 NEPTUNE AVE	26	26	10.91	8.22	0	No	No
24618 PANAMA AVE	28	28	10.91	9.95	0	No	No
24618 RAVENNA AVE	40	40	10.91	9.34	0	No	No
24619 NEPTUNE AVE	28	28	10.91	11	1	Yes	No
24619 PANAMA AVE	38	38	10.91	8.66	0	No	No
24619 RAVENNA AVE	35	35	10.91	9.31	0	No	No
24622 MARBELLA AVE	53	53	10.91	15.5	19	Yes	<b>Yes</b>
24622 NEPTUNE AVE	34	34	10.91	13.2	3	Yes	No
24623 MARBELLA AVE	32	32	10.91	18.6	21	Yes	<b>Yes</b>
24623 NEPTUNE AVE	36	36	10.91	9.91	0	No	No
24627 MARBELLA AVE	48	48	10.91	21	27	Yes	<b>Yes</b>
24628 MARBELLA AVE	52	52	10.91	17.7	16	Yes	<b>Yes</b>
24628 NEPTUNE AVE	18	18	10.91	9.22	0	No	No
24629 NEPTUNE AVE	39	39	10.91	10.8	0	No	No
24632 NEPTUNE AVE	20	20	10.91	11.8	1	Yes	No
24633 MARBELLA AVE	40	40	10.91	24.6	20	Yes	<b>Yes</b>
24700 MARBELLA AVE	46	46	10.91	12.6	6	Yes	<b>Yes</b>
24700 RAVENNA AVE	56	56	10.91	13.5	1	Yes	No
24702 NEPTUNE AVE	46	46	10.91	9.09	0	No	No
24702 PANAMA AVE	30	30	10.91	11	1	Yes	No
24703 MARBELLA AVE	36	36	10.91	18.8	12	Yes	<b>Yes</b>
24703 NEPTUNE AVE	39	39	10.91	11.2	1	Yes	No
24703 RAVENNA AVE	53	53	10.91	9.65	0	No	No
24706 MARBELLA AVE	43	43	10.91	12.9	6	Yes	<b>Yes</b>
24706 RAVENNA AVE	33	33	10.91	9.46	0	No	No
24707 MARBELLA AVE	37	37	10.91	13.1	8	Yes	<b>Yes</b>
24708 PANAMA AVE	37	37	10.91	12.8	1	Yes	No
24709 NEPTUNE AVE	37	37	10.91	9.32	0	No	No
24709 PANAMA AVE	43	43	10.91	9.42	0	No	No
24709 RAVENNA AVE	52	52	10.91	9.7	0	No	No
24710 MARBELLA AVE	43	43	10.91	14	11	Yes	<b>Yes</b>
24712 NEPTUNE AVE	32	32	10.91	9.25	0	No	No
24712 PANAMA AVE	27	27	10.91	13.6	1	Yes	No
24712 RAVENNA AVE	45	45	10.91	9.29	0	No	No
24713 MARBELLA AVE	37	37	10.91	14.3	10	Yes	<b>Yes</b>
24713 PANAMA AVE	34	34	10.91	9.36	0	No	No
24713 RAVENNA AVE	35	35	10.91	9.56	0	No	No

**Table 5-2.4**  
**Summary of Background Analysis for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Cobalt (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	10.91	10.9	0	No	No
24716 MARBELLA AVE	30	30	10.91	12	5	Yes	Yes
24716 RAVENNA AVE	15	15	10.91	7.23	0	No	No
24717 MARBELLA AVE	38	38	10.91	17	6	Yes	Yes
24718 NEPTUNE AVE	65	65	10.91	11.3	1	Yes	No
24718 PANAMA AVE	33	33	10.91	9.58	0	No	No
24719 NEPTUNE AVE	33	33	10.91	12.1	2	Yes	No
24719 PANAMA AVE	28	28	10.91	9.49	0	No	No
24719 RAVENNA AVE	45	45	10.91	10.8	0	No	No
24722 MARBELLA AVE	34	34	10.91	12.1	3	Yes	No
24722 NEPTUNE AVE	40	40	10.91	11.1	1	Yes	No
24722 PANAMA AVE	18	18	10.91	10.2	0	No	No
24722 RAVENNA AVE	41	41	10.91	9.69	0	No	No
24723 MARBELLA AVE	22	22	10.91	12.4	4	Yes	Yes
24723 RAVENNA AVE	37	37	10.91	8.56	0	No	No
24725 NEPTUNE AVE	35	35	10.91	9.02	0	No	No
24726 MARBELLA AVE	49	49	10.91	12.9	12	Yes	Yes
24726 RAVENNA AVE	37	37	10.91	11	1	Yes	No
24727 MARBELLA AVE	40	40	10.91	13.7	2	Yes	No
24728 NEPTUNE AVE	33	33	10.91	9.02	0	No	No
24728 PANAMA AVE	31	31	10.91	14.7	1	Yes	No
24729 NEPTUNE AVE	35	35	10.91	13.1	1	Yes	No
24729 PANAMA AVE	34	34	10.91	9.76	0	No	No
24729 RAVENNA AVE	16	16	10.91	8.81	0	No	No
24732 MARBELLA AVE	37	37	10.91	12.4	3	Yes	No
24732 NEPTUNE AVE	35	35	10.91	11.3	1	Yes	No
24732 PANAMA AVE	33	33	10.91	9.13	0	No	No
24732 RAVENNA AVE	42	42	10.91	8.83	0	No	No
24733 MARBELLA AVE	32	32	10.91	12.3	5	Yes	Yes
24733 PANAMA AVE	38	38	10.91	9.65	0	No	No
24733 RAVENNA AVE	40	40	10.91	8.9	0	No	No
24735 NEPTUNE AVE	36	36	10.91	10.6	0	No	No
24736 MARBELLA AVE	52	52	10.91	13.9	6	Yes	Yes
24736 RAVENNA AVE	43	43	10.91	8.3	0	No	No
24737 MARBELLA AVE	28	28	10.91	12.6	3	Yes	No
24738 NEPTUNE AVE	51	51	10.91	9.36	0	No	No
24738 PANAMA AVE	32	32	10.91	9.16	0	No	No
24739 NEPTUNE AVE	41	41	10.91	9.73	0	No	No
24739 PANAMA AVE	43	43	10.91	9.69	0	No	No
24739 RAVENNA AVE	42	42	10.91	7.92	0	No	No
24740 MARBELLA AVE	64	64	10.91	12.9	3	Yes	No
24741 MARBELLA AVE	12	12	10.91	10.2	0	No	No
24743 RAVENNA AVE	42	42	10.91	8.27	0	No	No
24744 MARBELLA AVE	25	25	10.91	15.7	2	Yes	No
24748 RAVENNA AVE	24	24	10.91	8.09	0	No	No
24749 RAVENNA AVE	43	43	10.91	12.9	1	Yes	No
24752 RAVENNA AVE	45	45	10.91	10.2	0	No	No
24802 PANAMA AVE	47	47	10.91	10.3	0	No	No
24803 NEPTUNE AVE	32	32	10.91	9.98	0	No	No
24803 PANAMA AVE	18	18	10.91	10.1	0	No	No
24809 NEPTUNE AVE	27	27	10.91	8.33	0	No	No
24809 PANAMA AVE	36	36	10.91	10.9	0	No	No
24812 PANAMA AVE	29	29	10.91	8.6	0	No	No
24813 PANAMA AVE	15	15	10.91	13.1	3	Yes	Yes

**Table 5-2.4**  
**Summary of Background Analysis for Cobalt**  
Former Kast Property  
Carson, CA

Location ID	Cobalt (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	30	10.91	10	0	No	No
24818 PANAMA AVE	34	34	10.91	10.6	0	No	No
24819 PANAMA AVE	34	34	10.91	10.7	0	No	No
24822 PANAMA AVE	43	43	10.91	9.49	0	No	No
24823 PANAMA AVE	39	39	10.91	10.3	0	No	No
24825 NEPTUNE AVE	98	98	10.91	9.66	0	No	No
24828 PANAMA AVE	36	36	10.91	9.49	0	No	No
24829 PANAMA AVE	48	48	10.91	9.68	0	No	No
24832 PANAMA AVE	38	38	10.91	14	2	Yes	No
24833 PANAMA AVE	43	43	10.91	10.9	0	No	No
24838 PANAMA AVE	28	28	10.91	9.97	0	No	No
24904 NEPTUNE AVE	74	74	10.91	9.79	0	No	No
24912 NEPTUNE AVE	36	36	10.91	8.89	0	No	No
301 244TH ST	29	29	10.91	17.4	12	Yes	Yes
305 244TH ST	54	54	10.91	21.2	23	Yes	Yes
311 244TH ST	71	71	10.91	14.2	13	Yes	Yes
317 244TH ST	58	58	10.91	14.6	23	Yes	Yes
321 244TH ST	40	40	10.91	21	22	Yes	Yes
327 244TH ST	12	12	10.91	12.7	5	Yes	Yes
331 244TH ST	28	28	10.91	17.7	14	Yes	Yes
337 244TH ST	34	34	10.91	13.6	10	Yes	Yes
341 244TH ST	48	48	10.91	17.6	25	Yes	Yes
344 249TH ST	35	35	10.91	11	1	Yes	No
345 249TH ST	93	93	10.91	9.81	0	No	No
347 244TH ST	32	32	10.91	14.6	14	Yes	Yes
348 248TH ST	49	49	10.91	8.94	0	No	No
348 249TH ST	51	51	10.91	10.7	0	No	No
351 244TH ST	32	32	10.91	16	13	Yes	Yes
352 249TH ST	32	32	10.91	9.7	0	No	No
353 249TH ST	32	32	10.91	9.14	0	No	No
354 248TH ST	39	39	10.91	7.96	0	No	No
357 244TH ST	40	40	10.91	24.1	17	Yes	Yes
357 249TH ST	24	24	10.91	9.05	0	No	No
358 249TH ST	43	43	10.91	9.25	0	No	No
360 248TH ST	48	48	10.91	13.9	1	Yes	No
361 244TH ST	23	23	10.91	14.7	9	Yes	Yes
362 249TH ST	25	25	10.91	10.9	0	No	No
363 249TH ST	27	27	10.91	7.79	0	No	No
364 248TH ST	48	48	10.91	8.27	0	No	No
367 244TH ST	13	13	10.91	11.3	2	Yes	No
367 249TH ST	46	46	10.91	8.52	0	No	No
368 249TH ST	55	55	10.91	11.2	1	Yes	No
373 249TH ST	42	42	10.91	8.26	0	No	No
374 248TH ST	120	120	10.91	10.4	0	No	No
374 249TH ST	27	27	10.91	9.2	0	No	No
377 244TH ST	32	32	10.91	14.7	20	Yes	Yes
377 249TH ST	33	33	10.91	7.51	0	No	No
378 249TH ST	41	41	10.91	10	0	No	No
383 249TH ST	32	32	10.91	7.48	0	No	No
402 249TH ST	32	32	10.91	10.5	0	No	No
408 249TH ST	24	24	10.91	8.97	0	No	No
412 249TH ST	77	77	10.91	15.3	7	Yes	No



**Table 5-2.5**  
**Summary of Background Analysis for Copper**  
Former Kast Property  
Carson, CA

Location ID	Copper (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	33	59	41.5	0	No	No
24402 NEPTUNE AVE	48	48	59	26.4	0	No	No
24402 PANAMA AVE	127	127	59	47.9	0	No	No
24402 RAVENNA AVE	40	40	59	34.5	0	No	No
24403 NEPTUNE AVE	46	46	59	33.4	0	No	No
24403 RAVENNA AVE	62	62	59	31.3	0	No	No
24405 MARBELLA AVE	25	25	59	43.6	0	No	No
24406 MARBELLA AVE	40	40	59	31.4	0	No	No
24406 NEPTUNE AVE	28	28	59	25.4	0	No	No
24406 PANAMA AVE	23	23	59	27.3	0	No	No
24406 RAVENNA AVE	26	26	59	27.2	0	No	No
24409 NEPTUNE AVE	24	24	59	37.3	0	No	No
24409 RAVENNA AVE	33	33	59	27.5	0	No	No
24410 PANAMA AVE	33	33	59	36.4	0	No	No
24411 MARBELLA AVE	69	69	59	38	0	No	No
24411 PANAMA AVE	37	37	59	92.6	2	Yes	No
24412 MARBELLA AVE	31	31	59	1190	4	Yes	No
24412 RAVENNA AVE	61	61	59	23.5	0	No	No
24413 NEPTUNE AVE	24	24	59	40.8	0	No	No
24413 RAVENNA AVE	28	28	59	53.4	0	No	No
24416 MARBELLA AVE	50	50	59	36.4	0	No	No
24416 NEPTUNE AVE	21	21	59	18.7	0	No	No
24416 PANAMA AVE	33	33	59	20	0	No	No
24416 RAVENNA AVE	42	42	59	42.3	0	No	No
24417 MARBELLA AVE	8	8	59	27.4	0	No	No
24417 PANAMA AVE	47	47	59	27.1	0	No	No
24419 NEPTUNE AVE	32	32	59	40.2	0	No	No
24419 RAVENNA AVE	32	32	59	20.3	0	No	No
24420 PANAMA AVE	33	33	59	19.9	0	No	No
24421 PANAMA AVE	30	30	59	24.7	0	No	No
24422 MARBELLA AVE	43	43	59	54.7	0	No	No
24422 NEPTUNE AVE	36	36	59	33.1	0	No	No
24422 RAVENNA AVE	29	29	59	29.4	0	No	No
24423 MARBELLA AVE	13	13	59	56.5	0	No	No
24423 NEPTUNE AVE	37	37	59	23.1	0	No	No
24423 RAVENNA AVE	40	40	59	20.3	0	No	No
24426 MARBELLA AVE	24	24	59	44.2	0	No	No
24426 NEPTUNE AVE	30	30	59	24.6	0	No	No
24426 PANAMA AVE	30	30	59	23	0	No	No
24426 RAVENNA AVE	49	49	59	23.9	0	No	No
24427 MARBELLA AVE	25	25	59	31.1	0	No	No
24427 PANAMA AVE	38	38	59	60.1	1	Yes	No
24429 NEPTUNE AVE	19	19	59	20.1	0	No	No
24429 RAVENNA AVE	29	29	59	24.9	0	No	No
24430 PANAMA AVE	30	30	59	43.3	0	No	No
24431 PANAMA AVE	35	35	59	31	0	No	No
24432 MARBELLA AVE	67	67	59	35	0	No	No
24433 MARBELLA AVE	27	27	59	35.2	0	No	No
24436 PANAMA AVE	35	35	59	12.8	0	No	No
24502 MARBELLA AVE	51	51	59	32	0	No	No
24502 NEPTUNE AVE	58	58	59	36	0	No	No
24502 PANAMA AVE	48	48	59	16.9	0	No	No
24502 RAVENNA AVE	44	44	59	19	0	No	No
24503 MARBELLA AVE	29	29	59	46	0	No	No

**Table 5-2.5**  
**Summary of Background Analysis for Copper**  
Former Kast Property  
Carson, CA

Location ID	Copper (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	60	59	24.3	0	No	No
24503 PANAMA AVE	28	28	59	21.2	0	No	No
24503 RAVENNA AVE	34	34	59	36.2	0	No	No
24506 MARBELLA AVE	36	36	59	36.4	0	No	No
24507 MARBELLA AVE	36	36	59	37.3	0	No	No
24508 NEPTUNE AVE	40	40	59	20.8	0	No	No
24508 PANAMA AVE	24	24	59	15.4	0	No	No
24508 RAVENNA AVE	39	39	59	23.5	0	No	No
24509 NEPTUNE AVE	31	31	59	21.8	0	No	No
24509 PANAMA AVE	47	47	59	33.3	0	No	No
24509 RAVENNA AVE	37	37	59	39.2	0	No	No
24512 MARBELLA AVE	48	48	59	36.5	0	No	No
24512 NEPTUNE AVE	36	36	59	28.5	0	No	No
24512 PANAMA AVE	28	28	59	13	0	No	No
24512 RAVENNA AVE	46	46	59	23.1	0	No	No
24513 NEPTUNE AVE	37	37	59	29.4	0	No	No
24513 PANAMA AVE	51	51	59	24.6	0	No	No
24513 RAVENNA AVE	30	30	59	22.6	0	No	No
24516 MARBELLA AVE	30	30	59	28	0	No	No
24517 MARBELLA AVE	12	12	59	29.6	0	No	No
24518 NEPTUNE AVE	45	45	59	22.3	0	No	No
24518 PANAMA AVE	42	42	59	27.1	0	No	No
24518 RAVENNA AVE	30	30	59	21.4	0	No	No
24519 NEPTUNE AVE	35	35	59	22.3	0	No	No
24519 PANAMA AVE	30	30	59	18.7	0	No	No
24522 MARBELLA AVE	27	27	59	35.7	0	No	No
24522 NEPTUNE AVE	28	28	59	22.8	0	No	No
24522 PANAMA AVE	36	36	59	19.9	0	No	No
24522 RAVENNA AVE	35	35	59	23.4	0	No	No
24523 MARBELLA AVE	45	45	59	31.6	0	No	No
24523 NEPTUNE AVE	37	37	59	27.4	0	No	No
24523 RAVENNA AVE	17	17	59	18	0	No	No
24526 MARBELLA AVE	36	36	59	37.8	0	No	No
24528 NEPTUNE AVE	31	31	59	21.2	0	No	No
24528 PANAMA AVE	39	39	59	28.2	0	No	No
24529 NEPTUNE AVE	32	32	59	37.3	0	No	No
24529 PANAMA AVE	24	24	59	13.2	0	No	No
24529 RAVENNA AVE	26	26	59	41.6	0	No	No
24532 MARBELLA AVE	27	27	59	36.1	0	No	No
24532 NEPTUNE AVE	21	21	59	80.8	1	Yes	No
24532 PANAMA AVE	23	23	59	26.6	0	No	No
24532 RAVENNA AVE	29	29	59	12.1	0	No	No
24533 MARBELLA AVE	25	25	59	170	1	Yes	No
24533 PANAMA AVE	29	29	59	16.7	0	No	No
24533 RAVENNA AVE	52	52	59	17.5	0	No	No
24602 MARBELLA AVE	34	34	59	31.5	0	No	No
24602 NEPTUNE AVE	33	33	59	12.5	0	No	No
24602 PANAMA AVE	40	40	59	17.5	0	No	No
24602 RAVENNA AVE	28	28	59	16.3	0	No	No
24603 MARBELLA AVE	26	26	59	30.5	0	No	No
24603 NEPTUNE AVE	49	49	59	26.3	0	No	No
24603 PANAMA AVE	30	30	59	14.5	0	No	No
24603 RAVENNA AVE	31	31	59	19.4	0	No	No
24606 MARBELLA AVE	63	63	59	30.2	0	No	No

**Table 5-2.5**  
**Summary of Background Analysis for Copper**  
Former Kast Property  
Carson, CA

Location ID	Copper (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	31	59	37.1	0	No	No
24608 NEPTUNE AVE	37	37	59	46.5	0	No	No
24608 PANAMA AVE	22	22	59	26	0	No	No
24608 RAVENNA AVE	40	40	59	29.8	0	No	No
24609 NEPTUNE AVE	30	30	59	22.4	0	No	No
24609 PANAMA AVE	34	34	59	21.8	0	No	No
24609 RAVENNA AVE	45	45	59	21.2	0	No	No
24612 MARBELLA AVE	51	51	59	54.3	0	No	No
24612 NEPTUNE AVE	47	47	59	105	1	Yes	No
24612 PANAMA AVE	33	33	59	17.8	0	No	No
24612 RAVENNA AVE	46	46	59	64.3	1	Yes	No
24613 MARBELLA AVE	52	52	59	35.9	0	No	No
24613 NEPTUNE AVE	39	39	59	21	0	No	No
24613 PANAMA AVE	51	51	59	23.2	0	No	No
24613 RAVENNA AVE	33	33	59	13.1	0	No	No
24616 MARBELLA AVE	46	46	59	27.8	0	No	No
24617 MARBELLA AVE	34	34	59	47.4	0	No	No
24618 NEPTUNE AVE	26	26	59	18.5	0	No	No
24618 PANAMA AVE	28	28	59	18.6	0	No	No
24618 RAVENNA AVE	40	40	59	17.8	0	No	No
24619 NEPTUNE AVE	28	28	59	23	0	No	No
24619 PANAMA AVE	38	38	59	16.3	0	No	No
24619 RAVENNA AVE	35	35	59	14.4	0	No	No
24622 MARBELLA AVE	53	53	59	38.4	0	No	No
24622 NEPTUNE AVE	34	34	59	19	0	No	No
24623 MARBELLA AVE	32	32	59	48.1	0	No	No
24623 NEPTUNE AVE	36	36	59	30.7	0	No	No
24627 MARBELLA AVE	48	48	59	33.6	0	No	No
24628 MARBELLA AVE	52	52	59	39.3	0	No	No
24628 NEPTUNE AVE	18	18	59	14.7	0	No	No
24629 NEPTUNE AVE	39	39	59	26.6	0	No	No
24632 NEPTUNE AVE	20	20	59	20.6	0	No	No
24633 MARBELLA AVE	40	40	59	37.5	0	No	No
24700 MARBELLA AVE	46	46	59	36.8	0	No	No
24700 RAVENNA AVE	56	56	59	16.5	0	No	No
24702 NEPTUNE AVE	46	46	59	15.9	0	No	No
24702 PANAMA AVE	30	30	59	51.7	0	No	No
24703 MARBELLA AVE	36	36	59	74.2	1	Yes	No
24703 NEPTUNE AVE	39	39	59	20.9	0	No	No
24703 RAVENNA AVE	53	53	59	34.4	0	No	No
24706 MARBELLA AVE	43	43	59	23.8	0	No	No
24706 RAVENNA AVE	33	33	59	18.8	0	No	No
24707 MARBELLA AVE	37	37	59	26	0	No	No
24708 PANAMA AVE	37	37	59	25.8	0	No	No
24709 NEPTUNE AVE	37	37	59	21.5	0	No	No
24709 PANAMA AVE	43	43	59	17.9	0	No	No
24709 RAVENNA AVE	52	52	59	19.1	0	No	No
24710 MARBELLA AVE	43	43	59	36.8	0	No	No
24712 NEPTUNE AVE	32	32	59	16.4	0	No	No
24712 PANAMA AVE	27	27	59	16.7	0	No	No
24712 RAVENNA AVE	45	45	59	26.8	0	No	No
24713 MARBELLA AVE	37	37	59	26.7	0	No	No
24713 PANAMA AVE	34	34	59	24.9	0	No	No
24713 RAVENNA AVE	35	35	59	18	0	No	No

**Table 5-2.5**  
**Summary of Background Analysis for Copper**  
Former Kast Property  
Carson, CA

Location ID	Copper (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	59	20.1	0	No	No
24716 MARBELLA AVE	30	30	59	25	0	No	No
24716 RAVENNA AVE	15	15	59	16.3	0	No	No
24717 MARBELLA AVE	38	38	59	25.2	0	No	No
24718 NEPTUNE AVE	65	65	59	16.3	0	No	No
24718 PANAMA AVE	33	33	59	26.3	0	No	No
24719 NEPTUNE AVE	33	33	59	36.5	0	No	No
24719 PANAMA AVE	28	28	59	22.7	0	No	No
24719 RAVENNA AVE	45	45	59	33.3	0	No	No
24722 MARBELLA AVE	34	34	59	25	0	No	No
24722 NEPTUNE AVE	40	40	59	14.4	0	No	No
24722 PANAMA AVE	18	18	59	14.2	0	No	No
24722 RAVENNA AVE	41	41	59	19.7	0	No	No
24723 MARBELLA AVE	22	22	59	28.2	0	No	No
24723 RAVENNA AVE	37	37	59	32.5	0	No	No
24725 NEPTUNE AVE	35	35	59	22.1	0	No	No
24726 MARBELLA AVE	49	49	59	27.8	0	No	No
24726 RAVENNA AVE	37	37	59	17.6	0	No	No
24727 MARBELLA AVE	40	40	59	27.8	0	No	No
24728 NEPTUNE AVE	33	33	59	22.2	0	No	No
24728 PANAMA AVE	31	31	59	41	0	No	No
24729 NEPTUNE AVE	35	35	59	21.4	0	No	No
24729 PANAMA AVE	34	34	59	14.7	0	No	No
24729 RAVENNA AVE	16	16	59	23.5	0	No	No
24732 MARBELLA AVE	37	37	59	24.9	0	No	No
24732 NEPTUNE AVE	35	35	59	22.3	0	No	No
24732 PANAMA AVE	33	33	59	29.9	0	No	No
24732 RAVENNA AVE	42	42	59	17.4	0	No	No
24733 MARBELLA AVE	32	32	59	27.2	0	No	No
24733 PANAMA AVE	38	38	59	31.4	0	No	No
24733 RAVENNA AVE	40	40	59	13.2	0	No	No
24735 NEPTUNE AVE	36	36	59	125	1	Yes	No
24736 MARBELLA AVE	52	52	59	21.8	0	No	No
24736 RAVENNA AVE	43	43	59	18.3	0	No	No
24737 MARBELLA AVE	28	28	59	21.6	0	No	No
24738 NEPTUNE AVE	51	51	59	13.9	0	No	No
24738 PANAMA AVE	32	32	59	22	0	No	No
24739 NEPTUNE AVE	41	41	59	18.9	0	No	No
24739 PANAMA AVE	43	43	59	14.2	0	No	No
24739 RAVENNA AVE	42	42	59	18.2	0	No	No
24740 MARBELLA AVE	64	64	59	21.6	0	No	No
24741 MARBELLA AVE	12	12	59	17.3	0	No	No
24743 RAVENNA AVE	42	42	59	13.1	0	No	No
24744 MARBELLA AVE	25	25	59	22.5	0	No	No
24748 RAVENNA AVE	24	24	59	13.5	0	No	No
24749 RAVENNA AVE	43	43	59	28.2	0	No	No
24752 RAVENNA AVE	45	45	59	19.7	0	No	No
24802 PANAMA AVE	47	47	59	15.7	0	No	No
24803 NEPTUNE AVE	32	32	59	15.3	0	No	No
24803 PANAMA AVE	18	18	59	10.1	0	No	No
24809 NEPTUNE AVE	27	27	59	10.4	0	No	No
24809 PANAMA AVE	36	36	59	21.8	0	No	No
24812 PANAMA AVE	29	29	59	13.8	0	No	No
24813 PANAMA AVE	15	15	59	30.1	0	No	No

**Table 5-2.5**  
**Summary of Background Analysis for Copper**  
Former Kast Property  
Carson, CA

Location ID	Copper (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	30	59	23.1	0	No	No
24818 PANAMA AVE	34	34	59	17.6	0	No	No
24819 PANAMA AVE	34	34	59	51.7	0	No	No
24822 PANAMA AVE	43	43	59	74.9	1	Yes	No
24823 PANAMA AVE	39	39	59	15.7	0	No	No
24825 NEPTUNE AVE	98	98	59	24.9	0	No	No
24828 PANAMA AVE	36	36	59	17.5	0	No	No
24829 PANAMA AVE	48	48	59	18.1	0	No	No
24832 PANAMA AVE	38	38	59	19.7	0	No	No
24833 PANAMA AVE	43	43	59	23.2	0	No	No
24838 PANAMA AVE	28	28	59	18.6	0	No	No
24904 NEPTUNE AVE	74	74	59	17.2	0	No	No
24912 NEPTUNE AVE	36	36	59	18.2	0	No	No
301 244TH ST	29	29	59	37.7	0	No	No
305 244TH ST	54	54	59	78.3	1	Yes	No
311 244TH ST	71	71	59	115	3	Yes	No
317 244TH ST	58	58	59	35.4	0	No	No
321 244TH ST	40	40	59	58.1	0	No	No
327 244TH ST	12	12	59	27.9	0	No	No
331 244TH ST	28	28	59	38.3	0	No	No
337 244TH ST	34	34	59	37.7	0	No	No
341 244TH ST	48	48	59	34.4	0	No	No
344 249TH ST	35	35	59	22.4	0	No	No
345 249TH ST	93	93	59	26.6	0	No	No
347 244TH ST	32	32	59	35.2	0	No	No
348 248TH ST	49	49	59	12.2	0	No	No
348 249TH ST	51	51	59	31.7	0	No	No
351 244TH ST	32	32	59	24.7	0	No	No
352 249TH ST	32	32	59	17.8	0	No	No
353 249TH ST	32	32	59	13.3	0	No	No
354 248TH ST	39	39	59	27.4	0	No	No
357 244TH ST	40	40	59	37.2	0	No	No
357 249TH ST	24	24	59	12.6	0	No	No
358 249TH ST	43	43	59	11.5	0	No	No
360 248TH ST	48	48	59	17.8	0	No	No
361 244TH ST	23	23	59	29.7	0	No	No
362 249TH ST	25	25	59	14.7	0	No	No
363 249TH ST	27	27	59	36.3	0	No	No
364 248TH ST	48	48	59	158	3	Yes	No
367 244TH ST	13	13	59	35.2	0	No	No
367 249TH ST	46	46	59	12.8	0	No	No
368 249TH ST	55	55	59	13.9	0	No	No
373 249TH ST	42	42	59	23.3	0	No	No
374 248TH ST	120	120	59	40.6	0	No	No
374 249TH ST	27	27	59	14.1	0	No	No
377 244TH ST	32	32	59	30.3	0	No	No
377 249TH ST	33	33	59	17.9	0	No	No
378 249TH ST	41	41	59	12.9	0	No	No
383 249TH ST	32	32	59	20	0	No	No
402 249TH ST	32	32	59	17.2	0	No	No
408 249TH ST	24	24	59	45.9	0	No	No
412 249TH ST	77	77	59	29.8	0	No	No

**Table 5-2.6**  
**Summary of Background Analysis for Lead**  
Former Kast Property  
Carson, CA

Location ID	Lead (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	33	61.46	87	1	Yes	No
24402 NEPTUNE AVE	48	48	61.46	24.6	0	No	No
24402 PANAMA AVE	127	127	61.46	50.1	0	No	No
24402 RAVENNA AVE	40	40	61.46	38	0	No	No
24403 NEPTUNE AVE	46	46	61.46	35	0	No	No
24403 RAVENNA AVE	62	62	61.46	43.6	0	No	No
24405 MARBELLA AVE	25	25	61.46	16	0	No	No
24406 MARBELLA AVE	40	40	61.46	30.8	0	No	No
24406 NEPTUNE AVE	28	28	61.46	62.7	1	Yes	No
24406 PANAMA AVE	23	23	61.46	58.7	0	No	No
24406 RAVENNA AVE	26	26	61.46	27.2	0	No	No
24409 NEPTUNE AVE	24	24	61.46	72.5	2	Yes	No
24409 RAVENNA AVE	33	33	61.46	177	1	Yes	No
24410 PANAMA AVE	33	33	61.46	35.9	0	No	No
24411 MARBELLA AVE	69	69	61.46	88.5	1	Yes	No
24411 PANAMA AVE	37	37	61.46	81.9	2	Yes	No
24412 MARBELLA AVE	31	31	61.46	87	2	Yes	No
24412 RAVENNA AVE	61	61	61.46	39.5	0	No	No
24413 NEPTUNE AVE	24	24	61.46	59.1	0	No	No
24413 RAVENNA AVE	28	28	61.46	83.5	1	Yes	No
24416 MARBELLA AVE	50	49	61.46	115	1	Yes	No
24416 NEPTUNE AVE	21	21	61.46	100	1	Yes	No
24416 PANAMA AVE	33	33	61.46	32.3	0	No	No
24416 RAVENNA AVE	42	42	61.46	64.4	1	Yes	No
24417 MARBELLA AVE	8	8	61.46	22.4	0	No	No
24417 PANAMA AVE	47	47	61.46	32.4	0	No	No
24419 NEPTUNE AVE	32	32	61.46	39.5	0	No	No
24419 RAVENNA AVE	32	32	61.46	29.1	0	No	No
24420 PANAMA AVE	33	33	61.46	89.5	1	Yes	No
24421 PANAMA AVE	30	30	61.46	39.6	0	No	No
24422 MARBELLA AVE	43	43	61.46	39.7	0	No	No
24422 NEPTUNE AVE	36	36	61.46	51.4	0	No	No
24422 RAVENNA AVE	29	29	61.46	20.2	0	No	No
24423 MARBELLA AVE	13	13	61.46	63.5	1	Yes	No
24423 NEPTUNE AVE	37	37	61.46	18.4	0	No	No
24423 RAVENNA AVE	40	40	61.46	14.5	0	No	No
24426 MARBELLA AVE	24	24	61.46	59.4	0	No	No
24426 NEPTUNE AVE	30	30	61.46	20.8	0	No	No
24426 PANAMA AVE	30	30	61.46	40.4	0	No	No
24426 RAVENNA AVE	49	49	61.46	49.1	0	No	No
24427 MARBELLA AVE	25	25	61.46	18.5	0	No	No
24427 PANAMA AVE	38	38	61.46	81.8	1	Yes	No
24429 NEPTUNE AVE	19	19	61.46	21.1	0	No	No
24429 RAVENNA AVE	29	29	61.46	23.5	0	No	No
24430 PANAMA AVE	30	30	61.46	66.8	1	Yes	No
24431 PANAMA AVE	35	35	61.46	36.4	0	No	No
24432 MARBELLA AVE	67	67	61.46	24.3	0	No	No
24433 MARBELLA AVE	27	27	61.46	307	1	Yes	No
24436 PANAMA AVE	35	35	61.46	17.5	0	No	No
24502 MARBELLA AVE	51	51	61.46	1330	1	Yes	No
24502 NEPTUNE AVE	58	58	61.46	29.8	0	No	No
24502 PANAMA AVE	48	48	61.46	12.5	0	No	No
24502 RAVENNA AVE	44	44	61.46	33	0	No	No
24503 MARBELLA AVE	29	29	61.46	19	0	No	No

**Table 5-2.6**  
**Summary of Background Analysis for Lead**  
Former Kast Property  
Carson, CA

Location ID	Lead (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	60	61.46	21.9	0	No	No
24503 PANAMA AVE	28	28	61.46	32.5	0	No	No
24503 RAVENNA AVE	34	34	61.46	14.1	0	No	No
24506 MARBELLA AVE	36	36	61.46	60	0	No	No
24507 MARBELLA AVE	36	36	61.46	21.3	0	No	No
24508 NEPTUNE AVE	40	40	61.46	35.5	0	No	No
24508 PANAMA AVE	24	21	61.46	12.9	0	No	No
24508 RAVENNA AVE	39	39	61.46	52.8	0	No	No
24509 NEPTUNE AVE	31	31	61.46	32.1	0	No	No
24509 PANAMA AVE	47	47	61.46	48.4	0	No	No
24509 RAVENNA AVE	37	37	61.46	73.4	1	Yes	No
24512 MARBELLA AVE	48	48	61.46	31.8	0	No	No
24512 NEPTUNE AVE	36	36	61.46	18.5	0	No	No
24512 PANAMA AVE	28	23	61.46	15.1	0	No	No
24512 RAVENNA AVE	46	46	61.46	53.6	0	No	No
24513 NEPTUNE AVE	37	37	61.46	18.2	0	No	No
24513 PANAMA AVE	51	51	61.46	20.5	0	No	No
24513 RAVENNA AVE	30	30	61.46	26.7	0	No	No
24516 MARBELLA AVE	30	30	61.46	17	0	No	No
24517 MARBELLA AVE	12	12	61.46	19.6	0	No	No
24518 NEPTUNE AVE	45	45	61.46	72.2	1	Yes	No
24518 PANAMA AVE	42	36	61.46	96	1	Yes	No
24518 RAVENNA AVE	30	30	61.46	20.8	0	No	No
24519 NEPTUNE AVE	35	35	61.46	18.7	0	No	No
24519 PANAMA AVE	30	28	61.46	34.3	0	No	No
24522 MARBELLA AVE	27	27	61.46	15.1	0	No	No
24522 NEPTUNE AVE	28	28	61.46	22	0	No	No
24522 PANAMA AVE	36	35	61.46	26.6	0	No	No
24522 RAVENNA AVE	35	34	61.46	16.9	0	No	No
24523 MARBELLA AVE	45	45	61.46	148	2	Yes	No
24523 NEPTUNE AVE	37	37	61.46	21.6	0	No	No
24523 RAVENNA AVE	17	17	61.46	28.5	0	No	No
24526 MARBELLA AVE	36	36	61.46	12.1	0	No	No
24528 NEPTUNE AVE	31	31	61.46	15.1	0	No	No
24528 PANAMA AVE	39	39	61.46	31.2	0	No	No
24529 NEPTUNE AVE	32	32	61.46	29.9	0	No	No
24529 PANAMA AVE	24	24	61.46	14.5	0	No	No
24529 RAVENNA AVE	26	26	61.46	39.6	0	No	No
24532 MARBELLA AVE	27	27	61.46	22.7	0	No	No
24532 NEPTUNE AVE	21	21	61.46	51.7	0	No	No
24532 PANAMA AVE	23	23	61.46	67.7	1	Yes	No
24532 RAVENNA AVE	29	29	61.46	11.3	0	No	No
24533 MARBELLA AVE	25	25	61.46	31	0	No	No
24533 PANAMA AVE	29	28	61.46	22.2	0	No	No
24533 RAVENNA AVE	52	52	61.46	20.6	0	No	No
24602 MARBELLA AVE	34	34	61.46	26.2	0	No	No
24602 NEPTUNE AVE	33	33	61.46	21	0	No	No
24602 PANAMA AVE	40	40	61.46	76	2	Yes	No
24602 RAVENNA AVE	28	28	61.46	42	0	No	No
24603 MARBELLA AVE	26	26	61.46	32	0	No	No
24603 NEPTUNE AVE	49	49	61.46	16.1	0	No	No
24603 PANAMA AVE	30	30	61.46	44.4	0	No	No
24603 RAVENNA AVE	31	31	61.46	73.8	1	Yes	No
24606 MARBELLA AVE	63	63	61.46	22	0	No	No

**Table 5-2.6**  
**Summary of Background Analysis for Lead**  
Former Kast Property  
Carson, CA

Location ID	Lead (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	31	61.46	29.4	0	No	No
24608 NEPTUNE AVE	37	37	61.46	76.2	1	Yes	No
24608 PANAMA AVE	22	22	61.46	330	2	Yes	No
24608 RAVENNA AVE	40	40	61.46	58.7	0	No	No
24609 NEPTUNE AVE	30	30	61.46	14.9	0	No	No
24609 PANAMA AVE	34	34	61.46	46.8	0	No	No
24609 RAVENNA AVE	45	45	61.46	16.1	0	No	No
24612 MARBELLA AVE	51	51	61.46	144	1	Yes	No
24612 NEPTUNE AVE	47	47	61.46	17.2	0	No	No
24612 PANAMA AVE	33	33	61.46	74.3	1	Yes	No
24612 RAVENNA AVE	46	46	61.46	141	2	Yes	No
24613 MARBELLA AVE	52	52	61.46	14.9	0	No	No
24613 NEPTUNE AVE	39	39	61.46	18.9	0	No	No
24613 PANAMA AVE	51	51	61.46	221	3	Yes	No
24613 RAVENNA AVE	33	33	61.46	13.7	0	No	No
24616 MARBELLA AVE	46	46	61.46	21	0	No	No
24617 MARBELLA AVE	34	34	61.46	20.1	0	No	No
24618 NEPTUNE AVE	26	26	61.46	20.3	0	No	No
24618 PANAMA AVE	28	28	61.46	62	1	Yes	No
24618 RAVENNA AVE	40	40	61.46	10.4	0	No	No
24619 NEPTUNE AVE	28	28	61.46	30.9	0	No	No
24619 PANAMA AVE	38	38	61.46	36.2	0	No	No
24619 RAVENNA AVE	35	35	61.46	15.7	0	No	No
24622 MARBELLA AVE	53	53	61.46	41.1	0	No	No
24622 NEPTUNE AVE	34	34	61.46	50.6	0	No	No
24623 MARBELLA AVE	32	32	61.46	23.1	0	No	No
24623 NEPTUNE AVE	36	36	61.46	34.3	0	No	No
24627 MARBELLA AVE	48	48	61.46	26.3	0	No	No
24628 MARBELLA AVE	52	52	61.46	45	0	No	No
24628 NEPTUNE AVE	18	18	61.46	27.5	0	No	No
24629 NEPTUNE AVE	39	39	61.46	20	0	No	No
24632 NEPTUNE AVE	20	20	61.46	30.1	0	No	No
24633 MARBELLA AVE	40	40	61.46	390	1	Yes	No
24700 MARBELLA AVE	46	46	61.46	49.4	0	No	No
24700 RAVENNA AVE	56	56	61.46	77	2	Yes	No
24702 NEPTUNE AVE	46	46	61.46	50.1	0	No	No
24702 PANAMA AVE	30	30	61.46	156	3	Yes	No
24703 MARBELLA AVE	36	36	61.46	59.8	0	No	No
24703 NEPTUNE AVE	39	39	61.46	29.3	0	No	No
24703 RAVENNA AVE	53	53	61.46	36.3	0	No	No
24706 MARBELLA AVE	43	43	61.46	18.2	0	No	No
24706 RAVENNA AVE	33	33	61.46	65	1	Yes	No
24707 MARBELLA AVE	37	37	61.46	29.9	0	No	No
24708 PANAMA AVE	37	37	61.46	108	2	Yes	No
24709 NEPTUNE AVE	37	37	61.46	24.9	0	No	No
24709 PANAMA AVE	43	43	61.46	68.2	2	Yes	No
24709 RAVENNA AVE	52	52	61.46	27.9	0	No	No
24710 MARBELLA AVE	43	43	61.46	140	1	Yes	No
24712 NEPTUNE AVE	32	32	61.46	37.3	0	No	No
24712 PANAMA AVE	27	27	61.46	220	2	Yes	No
24712 RAVENNA AVE	45	45	61.46	146	2	Yes	No
24713 MARBELLA AVE	37	37	61.46	12	0	No	No
24713 PANAMA AVE	34	34	61.46	209	2	Yes	No
24713 RAVENNA AVE	35	35	61.46	21.8	0	No	No



**Table 5-2.6**  
**Summary of Background Analysis for Lead**  
Former Kast Property  
Carson, CA

Location ID	Lead (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	61.46	34.7	0	No	No
24716 MARBELLA AVE	30	30	61.46	32.6	0	No	No
24716 RAVENNA AVE	15	15	61.46	21	0	No	No
24717 MARBELLA AVE	38	38	61.46	12.1	0	No	No
24718 NEPTUNE AVE	65	65	61.46	17.3	0	No	No
24718 PANAMA AVE	33	33	61.46	91	1	Yes	No
24719 NEPTUNE AVE	33	33	61.46	65.5	1	Yes	No
24719 PANAMA AVE	28	28	61.46	146	1	Yes	No
24719 RAVENNA AVE	45	45	61.46	82.8	1	Yes	No
24722 MARBELLA AVE	34	34	61.46	17.9	0	No	No
24722 NEPTUNE AVE	40	40	61.46	18.6	0	No	No
24722 PANAMA AVE	18	18	61.46	27.8	0	No	No
24722 RAVENNA AVE	41	41	61.46	105	2	Yes	No
24723 MARBELLA AVE	22	22	61.46	23.1	0	No	No
24723 RAVENNA AVE	37	37	61.46	43.1	0	No	No
24725 NEPTUNE AVE	35	35	61.46	111	1	Yes	No
24726 MARBELLA AVE	49	49	61.46	28.2	0	No	No
24726 RAVENNA AVE	37	37	61.46	17	0	No	No
24727 MARBELLA AVE	40	40	61.46	65.4	1	Yes	No
24728 NEPTUNE AVE	33	33	61.46	27.5	0	No	No
24728 PANAMA AVE	31	31	61.46	239	6	Yes	<b>Yes</b>
24729 NEPTUNE AVE	35	35	61.46	155	1	Yes	No
24729 PANAMA AVE	34	34	61.46	52.4	0	No	No
24729 RAVENNA AVE	16	16	61.46	35	0	No	No
24732 MARBELLA AVE	37	37	61.46	27.3	0	No	No
24732 NEPTUNE AVE	35	35	61.46	26.4	0	No	No
24732 PANAMA AVE	33	33	61.46	48.6	0	No	No
24732 RAVENNA AVE	42	42	61.46	19.8	0	No	No
24733 MARBELLA AVE	32	32	61.46	18.8	0	No	No
24733 PANAMA AVE	38	38	61.46	98.7	1	Yes	No
24733 RAVENNA AVE	40	40	61.46	30.2	0	No	No
24735 NEPTUNE AVE	36	36	61.46	25	0	No	No
24736 MARBELLA AVE	52	52	61.46	40.7	0	No	No
24736 RAVENNA AVE	43	43	61.46	12.3	0	No	No
24737 MARBELLA AVE	28	28	61.46	51	0	No	No
24738 NEPTUNE AVE	51	51	61.46	97.1	2	Yes	No
24738 PANAMA AVE	32	32	61.46	103	3	Yes	No
24739 NEPTUNE AVE	41	41	61.46	39.1	0	No	No
24739 PANAMA AVE	43	43	61.46	45	0	No	No
24739 RAVENNA AVE	42	42	61.46	27.2	0	No	No
24740 MARBELLA AVE	64	64	61.46	31	0	No	No
24741 MARBELLA AVE	12	12	61.46	20.9	0	No	No
24743 RAVENNA AVE	42	42	61.46	23.1	0	No	No
24744 MARBELLA AVE	25	25	61.46	23.6	0	No	No
24748 RAVENNA AVE	24	24	61.46	13.3	0	No	No
24749 RAVENNA AVE	43	43	61.46	163	1	Yes	No
24752 RAVENNA AVE	45	45	61.46	265	1	Yes	No
24802 PANAMA AVE	47	47	61.46	27.8	0	No	No
24803 NEPTUNE AVE	32	32	61.46	25	0	No	No
24803 PANAMA AVE	18	18	61.46	7.65	0	No	No
24809 NEPTUNE AVE	27	27	61.46	31	0	No	No
24809 PANAMA AVE	36	36	61.46	21.3	0	No	No
24812 PANAMA AVE	29	29	61.46	26.7	0	No	No
24813 PANAMA AVE	15	15	61.46	34.7	0	No	No

**Table 5-2.6**  
**Summary of Background Analysis for Lead**  
Former Kast Property  
Carson, CA

Location ID	Lead (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	30	61.46	51.2	0	No	No
24818 PANAMA AVE	34	34	61.46	88.1	2	Yes	No
24819 PANAMA AVE	34	34	61.46	267	2	Yes	No
24822 PANAMA AVE	43	43	61.46	82.9	1	Yes	No
24823 PANAMA AVE	39	39	61.46	16.1	0	No	No
24825 NEPTUNE AVE	98	98	61.46	34.5	0	No	No
24828 PANAMA AVE	36	36	61.46	191	2	Yes	No
24829 PANAMA AVE	48	48	61.46	24	0	No	No
24832 PANAMA AVE	38	38	61.46	23.7	0	No	No
24833 PANAMA AVE	43	43	61.46	34.8	0	No	No
24838 PANAMA AVE	28	28	61.46	90.7	1	Yes	No
24904 NEPTUNE AVE	74	74	61.46	47.3	0	No	No
24912 NEPTUNE AVE	36	36	61.46	48	0	No	No
301 244TH ST	29	28	61.46	39.1	0	No	No
305 244TH ST	54	54	61.46	115	3	Yes	No
311 244TH ST	71	71	61.46	254	13	Yes	Yes
317 244TH ST	58	58	61.46	207	3	Yes	No
321 244TH ST	40	40	61.46	38.2	0	No	No
327 244TH ST	12	12	61.46	12.7	0	No	No
331 244TH ST	28	28	61.46	22.4	0	No	No
337 244TH ST	34	34	61.46	15.6	0	No	No
341 244TH ST	48	48	61.46	28.1	0	No	No
344 249TH ST	35	35	61.46	65.7	1	Yes	No
345 249TH ST	93	90	61.46	203	2	Yes	No
347 244TH ST	32	32	61.46	26.9	0	No	No
348 248TH ST	49	49	61.46	26	0	No	No
348 249TH ST	51	51	61.46	133	2	Yes	No
351 244TH ST	32	32	61.46	135	1	Yes	No
352 249TH ST	32	32	61.46	56.9	0	No	No
353 249TH ST	32	32	61.46	24.6	0	No	No
354 248TH ST	39	39	61.46	47.2	0	No	No
357 244TH ST	40	40	61.46	15.9	0	No	No
357 249TH ST	24	24	61.46	14.6	0	No	No
358 249TH ST	43	43	61.46	39.4	0	No	No
360 248TH ST	48	48	61.46	26.3	0	No	No
361 244TH ST	23	23	61.46	18.1	0	No	No
362 249TH ST	25	25	61.46	31.4	0	No	No
363 249TH ST	27	27	61.46	81.8	1	Yes	No
364 248TH ST	48	48	61.46	153	1	Yes	No
367 244TH ST	13	13	61.46	151	1	Yes	No
367 249TH ST	46	46	61.46	67.7	1	Yes	No
368 249TH ST	55	55	61.46	144	1	Yes	No
373 249TH ST	42	42	61.46	31.1	0	No	No
374 248TH ST	120	120	61.46	241	4	Yes	No
374 249TH ST	27	27	61.46	32.9	0	No	No
377 244TH ST	32	32	61.46	28.3	0	No	No
377 249TH ST	33	33	61.46	26.2	0	No	No
378 249TH ST	41	41	61.46	44.9	0	No	No
383 249TH ST	32	32	61.46	24.7	0	No	No
402 249TH ST	32	32	61.46	29.9	0	No	No
408 249TH ST	24	24	61.46	127	1	Yes	No
412 249TH ST	77	77	61.46	381	3	Yes	No

**Table 5-2.7**  
**Summary of Background Analysis for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Thallium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	0	0.23	0.23	0	No	No
24402 NEPTUNE AVE	48	0	0.23	0.23	0	No	No
24402 PANAMA AVE	127	12	0.23	0.74	12	Yes	Yes
24402 RAVENNA AVE	40	1	0.23	0.3	1	Yes	No
24403 NEPTUNE AVE	46	0	0.23	0.23	0	No	No
24403 RAVENNA AVE	62	0	0.23	0.23	0	No	No
24405 MARBELLA AVE	25	0	0.23	0.23	0	No	No
24406 MARBELLA AVE	40	0	0.23	0.23	0	No	No
24406 NEPTUNE AVE	28	0	0.23	0.23	0	No	No
24406 PANAMA AVE	23	0	0.23	0.23	0	No	No
24406 RAVENNA AVE	26	0	0.23	0.23	0	No	No
24409 NEPTUNE AVE	24	0	0.23	0.23	0	No	No
24409 RAVENNA AVE	33	2	0.23	0.89	2	Yes	No
24410 PANAMA AVE	33	0	0.23	0.23	0	No	No
24411 MARBELLA AVE	69	0	0.23	0.23	0	No	No
24411 PANAMA AVE	37	10	0.23	1.06	10	Yes	Yes
24412 MARBELLA AVE	31	0	0.23	0.23	0	No	No
24412 RAVENNA AVE	61	0	0.23	0.23	0	No	No
24413 NEPTUNE AVE	24	0	0.23	0.23	0	No	No
24413 RAVENNA AVE	28	0	0.23	0.23	0	No	No
24416 MARBELLA AVE	50	0	0.23	0.23	0	No	No
24416 NEPTUNE AVE	21	0	0.23	0.23	0	No	No
24416 PANAMA AVE	33	0	0.23	0.23	0	No	No
24416 RAVENNA AVE	42	0	0.23	0.23	0	No	No
24417 MARBELLA AVE	8	0	0.23	0.23	0	No	No
24417 PANAMA AVE	47	0	0.23	0.23	0	No	No
24419 NEPTUNE AVE	32	1	0.23	0.25	1	Yes	No
24419 RAVENNA AVE	32	0	0.23	0.23	0	No	No
24420 PANAMA AVE	33	0	0.23	0.23	0	No	No
24421 PANAMA AVE	30	0	0.23	0.23	0	No	No
24422 MARBELLA AVE	43	0	0.23	0.23	0	No	No
24422 NEPTUNE AVE	36	0	0.23	0.23	0	No	No
24422 RAVENNA AVE	29	2	0.23	0.4	1	Yes	No
24423 MARBELLA AVE	13	1	0.23	0.31	1	Yes	No
24423 NEPTUNE AVE	37	0	0.23	0.23	0	No	No
24423 RAVENNA AVE	40	0	0.23	0.23	0	No	No
24426 MARBELLA AVE	24	0	0.23	0.23	0	No	No
24426 NEPTUNE AVE	30	1	0.23	0.26	1	Yes	No
24426 PANAMA AVE	30	0	0.23	0.23	0	No	No
24426 RAVENNA AVE	49	1	0.23	1.24	1	Yes	No
24427 MARBELLA AVE	25	0	0.23	0.23	0	No	No
24427 PANAMA AVE	38	0	0.23	0.23	0	No	No
24429 NEPTUNE AVE	19	0	0.23	0.23	0	No	No
24429 RAVENNA AVE	29	0	0.23	0.23	0	No	No
24430 PANAMA AVE	30	0	0.23	0.23	0	No	No
24431 PANAMA AVE	35	0	0.23	0.23	0	No	No
24432 MARBELLA AVE	67	0	0.23	0.23	0	No	No
24433 MARBELLA AVE	27	0	0.23	0.23	0	No	No
24436 PANAMA AVE	35	0	0.23	0.23	0	No	No
24502 MARBELLA AVE	51	0	0.23	0.23	0	No	No
24502 NEPTUNE AVE	58	0	0.23	0.23	0	No	No
24502 PANAMA AVE	48	2	0.23	0.29	2	Yes	No
24502 RAVENNA AVE	44	0	0.23	0.23	0	No	No
24503 MARBELLA AVE	29	0	0.23	0.23	0	No	No

**Table 5-2.7**  
**Summary of Background Analysis for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Thallium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	0	0.23	0.23	0	No	No
24503 PANAMA AVE	28	0	0.23	0.23	0	No	No
24503 RAVENNA AVE	34	2	0.23	0.28	2	Yes	No
24506 MARBELLA AVE	36	15	0.23	0.61	14	Yes	Yes
24507 MARBELLA AVE	36	0	0.23	0.23	0	No	No
24508 NEPTUNE AVE	40	0	0.23	0.23	0	No	No
24508 PANAMA AVE	24	0	0.23	0.23	0	No	No
24508 RAVENNA AVE	39	0	0.23	0.23	0	No	No
24509 NEPTUNE AVE	31	0	0.23	0.23	0	No	No
24509 PANAMA AVE	47	0	0.23	0.23	0	No	No
24509 RAVENNA AVE	37	0	0.23	0.23	0	No	No
24512 MARBELLA AVE	48	0	0.23	0.23	0	No	No
24512 NEPTUNE AVE	36	0	0.23	0.15	0	No	No
24512 PANAMA AVE	28	1	0.23	0.42	1	Yes	No
24512 RAVENNA AVE	46	0	0.23	0.23	0	No	No
24513 NEPTUNE AVE	37	0	0.23	0.23	0	No	No
24513 PANAMA AVE	51	0	0.23	0.23	0	No	No
24513 RAVENNA AVE	30	0	0.23	0.23	0	No	No
24516 MARBELLA AVE	30	0	0.23	0.23	0	No	No
24517 MARBELLA AVE	12	0	0.23	0.23	0	No	No
24518 NEPTUNE AVE	45	0	0.23	0.23	0	No	No
24518 PANAMA AVE	42	2	0.23	0.31	2	Yes	No
24518 RAVENNA AVE	30	0	0.23	0.23	0	No	No
24519 NEPTUNE AVE	35	0	0.23	0.23	0	No	No
24519 PANAMA AVE	30	0	0.23	0.23	0	No	No
24522 MARBELLA AVE	27	0	0.23	0.23	0	No	No
24522 NEPTUNE AVE	28	0	0.23	0.23	0	No	No
24522 PANAMA AVE	36	0	0.23	0.23	0	No	No
24522 RAVENNA AVE	35	0	0.23	0.23	0	No	No
24523 MARBELLA AVE	45	0	0.23	0.23	0	No	No
24523 NEPTUNE AVE	37	0	0.23	0.23	0	No	No
24523 RAVENNA AVE	17	0	0.23	0.23	0	No	No
24526 MARBELLA AVE	36	0	0.23	0.23	0	No	No
24528 NEPTUNE AVE	31	0	0.23	0.23	0	No	No
24528 PANAMA AVE	39	0	0.23	0.15	0	No	No
24529 NEPTUNE AVE	32	17	0.23	0.84	17	Yes	Yes
24529 PANAMA AVE	24	0	0.23	0.23	0	No	No
24529 RAVENNA AVE	26	0	0.23	0.23	0	No	No
24532 MARBELLA AVE	27	0	0.23	0.23	0	No	No
24532 NEPTUNE AVE	21	0	0.23	0.23	0	No	No
24532 PANAMA AVE	23	0	0.23	0.15	0	No	No
24532 RAVENNA AVE	29	0	0.23	0.23	0	No	No
24533 MARBELLA AVE	25	0	0.23	0.23	0	No	No
24533 PANAMA AVE	29	0	0.23	0.23	0	No	No
24533 RAVENNA AVE	52	1	0.23	0.29	1	Yes	No
24602 MARBELLA AVE	34	0	0.23	0.23	0	No	No
24602 NEPTUNE AVE	33	0	0.23	0.23	0	No	No
24602 PANAMA AVE	40	0	0.23	0.23	0	No	No
24602 RAVENNA AVE	28	3	0.23	0.38	3	Yes	No
24603 MARBELLA AVE	26	5	0.23	0.98	5	Yes	Yes
24603 NEPTUNE AVE	49	0	0.23	0.23	0	No	No
24603 PANAMA AVE	30	0	0.23	0.23	0	No	No
24603 RAVENNA AVE	31	21	0.23	3.47	21	Yes	Yes
24606 MARBELLA AVE	63	0	0.23	0.23	0	No	No

**Table 5-2.7**  
**Summary of Background Analysis for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Thallium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	0	0.23	0.23	0	No	No
24608 NEPTUNE AVE	37	0	0.23	0.23	0	No	No
24608 PANAMA AVE	22	14	0.23	2.52	14	Yes	Yes
24608 RAVENNA AVE	40	0	0.23	0.23	0	No	No
24609 NEPTUNE AVE	30	0	0.23	0.23	0	No	No
24609 PANAMA AVE	34	0	0.23	0.23	0	No	No
24609 RAVENNA AVE	45	0	0.23	0.23	0	No	No
24612 MARBELLA AVE	51	0	0.23	0.23	0	No	No
24612 NEPTUNE AVE	47	18	0.23	0.58	17	Yes	Yes
24612 PANAMA AVE	33	5	0.23	0.34	2	Yes	No
24612 RAVENNA AVE	46	0	0.23	0.23	0	No	No
24613 MARBELLA AVE	52	0	0.23	0.23	0	No	No
24613 NEPTUNE AVE	39	0	0.23	0.23	0	No	No
24613 PANAMA AVE	51	0	0.23	0.23	0	No	No
24613 RAVENNA AVE	33	0	0.23	0.23	0	No	No
24616 MARBELLA AVE	46	0	0.23	0.23	0	No	No
24617 MARBELLA AVE	34	22	0.23	1.2	21	Yes	Yes
24618 NEPTUNE AVE	26	0	0.23	0.23	0	No	No
24618 PANAMA AVE	28	0	0.23	0.23	0	No	No
24618 RAVENNA AVE	40	0	0.23	0.23	0	No	No
24619 NEPTUNE AVE	28	0	0.23	0.23	0	No	No
24619 PANAMA AVE	38	0	0.23	0.23	0	No	No
24619 RAVENNA AVE	35	0	0.23	0.23	0	No	No
24622 MARBELLA AVE	53	0	0.23	0.23	0	No	No
24622 NEPTUNE AVE	34	0	0.23	0.23	0	No	No
24623 MARBELLA AVE	32	0	0.23	0.23	0	No	No
24623 NEPTUNE AVE	36	0	0.23	0.23	0	No	No
24627 MARBELLA AVE	48	0	0.23	0.23	0	No	No
24628 MARBELLA AVE	52	6	0.23	0.44	5	Yes	No
24628 NEPTUNE AVE	18	0	0.23	0.23	0	No	No
24629 NEPTUNE AVE	39	1	0.23	0.32	1	Yes	No
24632 NEPTUNE AVE	20	0	0.23	0.23	0	No	No
24633 MARBELLA AVE	40	0	0.23	0.15	0	No	No
24700 MARBELLA AVE	46	0	0.23	0.23	0	No	No
24700 RAVENNA AVE	56	0	0.23	0.23	0	No	No
24702 NEPTUNE AVE	46	0	0.23	0.23	0	No	No
24702 PANAMA AVE	30	2	0.23	0.28	1	Yes	No
24703 MARBELLA AVE	36	0	0.23	0.23	0	No	No
24703 NEPTUNE AVE	39	0	0.23	0.23	0	No	No
24703 RAVENNA AVE	53	0	0.23	0.23	0	No	No
24706 MARBELLA AVE	43	0	0.23	0.23	0	No	No
24706 RAVENNA AVE	33	0	0.23	0.23	0	No	No
24707 MARBELLA AVE	37	9	0.23	0.54	9	Yes	Yes
24708 PANAMA AVE	37	0	0.23	0.23	0	No	No
24709 NEPTUNE AVE	37	3	0.23	0.36	3	Yes	No
24709 PANAMA AVE	43	0	0.23	0.23	0	No	No
24709 RAVENNA AVE	52	0	0.23	0.23	0	No	No
24710 MARBELLA AVE	43	0	0.23	0.23	0	No	No
24712 NEPTUNE AVE	32	0	0.23	0.23	0	No	No
24712 PANAMA AVE	27	0	0.23	0.23	0	No	No
24712 RAVENNA AVE	45	0	0.23	0.23	0	No	No
24713 MARBELLA AVE	37	0	0.23	0.23	0	No	No
24713 PANAMA AVE	34	8	0.23	0.36	6	Yes	Yes
24713 RAVENNA AVE	35	0	0.23	0.23	0	No	No

**Table 5-2.7**  
**Summary of Background Analysis for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Thallium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	0	0.23	0.23	0	No	No
24716 MARBELLA AVE	30	13	0.23	0.78	13	Yes	Yes
24716 RAVENNA AVE	15	0	0.23	0.23	0	No	No
24717 MARBELLA AVE	38	3	0.23	0.32	3	Yes	No
24718 NEPTUNE AVE	65	0	0.23	0.23	0	No	No
24718 PANAMA AVE	33	0	0.23	0.23	0	No	No
24719 NEPTUNE AVE	33	1	0.23	0.24	1	Yes	No
24719 PANAMA AVE	28	2	0.23	0.35	2	Yes	No
24719 RAVENNA AVE	45	0	0.23	0.23	0	No	No
24722 MARBELLA AVE	34	16	0.23	0.42	14	Yes	Yes
24722 NEPTUNE AVE	40	0	0.23	0.23	0	No	No
24722 PANAMA AVE	18	0	0.23	0.23	0	No	No
24722 RAVENNA AVE	41	1	0.23	0.26	1	Yes	No
24723 MARBELLA AVE	22	0	0.23	0.23	0	No	No
24723 RAVENNA AVE	37	0	0.23	0.23	0	No	No
24725 NEPTUNE AVE	35	0	0.23	0.23	0	No	No
24726 MARBELLA AVE	49	1	0.23	0.25	1	Yes	No
24726 RAVENNA AVE	37	0	0.23	0.23	0	No	No
24727 MARBELLA AVE	40	0	0.23	0.23	0	No	No
24728 NEPTUNE AVE	33	0	0.23	0.23	0	No	No
24728 PANAMA AVE	31	0	0.23	0.23	0	No	No
24729 NEPTUNE AVE	35	0	0.23	0.23	0	No	No
24729 PANAMA AVE	34	0	0.23	0.23	0	No	No
24729 RAVENNA AVE	16	0	0.23	0.23	0	No	No
24732 MARBELLA AVE	37	3	0.23	0.31	3	Yes	No
24732 NEPTUNE AVE	35	0	0.23	0.23	0	No	No
24732 PANAMA AVE	33	0	0.23	0.23	0	No	No
24732 RAVENNA AVE	42	0	0.23	0.23	0	No	No
24733 MARBELLA AVE	32	6	0.23	0.83	6	Yes	Yes
24733 PANAMA AVE	38	0	0.23	0.23	0	No	No
24733 RAVENNA AVE	40	5	0.23	0.47	5	Yes	Yes
24735 NEPTUNE AVE	36	28	0.23	0.57	28	Yes	Yes
24736 MARBELLA AVE	52	0	0.23	0.23	0	No	No
24736 RAVENNA AVE	43	0	0.23	0.23	0	No	No
24737 MARBELLA AVE	28	0	0.23	0.23	0	No	No
24738 NEPTUNE AVE	51	0	0.23	0.23	0	No	No
24738 PANAMA AVE	32	0	0.23	0.23	0	No	No
24739 NEPTUNE AVE	41	0	0.23	0.23	0	No	No
24739 PANAMA AVE	43	0	0.23	0.23	0	No	No
24739 RAVENNA AVE	42	0	0.23	0.23	0	No	No
24740 MARBELLA AVE	64	0	0.23	0.23	0	No	No
24741 MARBELLA AVE	12	0	0.23	0.23	0	No	No
24743 RAVENNA AVE	42	0	0.23	0.23	0	No	No
24744 MARBELLA AVE	25	0	0.23	0.23	0	No	No
24748 RAVENNA AVE	24	0	0.23	0.23	0	No	No
24749 RAVENNA AVE	43	0	0.23	0.23	0	No	No
24752 RAVENNA AVE	45	0	0.23	0.23	0	No	No
24802 PANAMA AVE	47	0	0.23	0.23	0	No	No
24803 NEPTUNE AVE	32	0	0.23	0.23	0	No	No
24803 PANAMA AVE	18	0	0.23	0.23	0	No	No
24809 NEPTUNE AVE	27	0	0.23	0.23	0	No	No
24809 PANAMA AVE	36	0	0.23	0.23	0	No	No
24812 PANAMA AVE	29	0	0.23	0.23	0	No	No
24813 PANAMA AVE	15	0	0.23	0.23	0	No	No

**Table 5-2.7**  
**Summary of Background Analysis for Thallium**  
Former Kast Property  
Carson, CA

Location ID	Thallium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	0	0.23	0.23	0	No	No
24818 PANAMA AVE	34	0	0.23	0.23	0	No	No
24819 PANAMA AVE	34	0	0.23	0.23	0	No	No
24822 PANAMA AVE	43	0	0.23	0.23	0	No	No
24823 PANAMA AVE	39	0	0.23	0.23	0	No	No
24825 NEPTUNE AVE	98	0	0.23	0.23	0	No	No
24828 PANAMA AVE	36	0	0.23	0.23	0	No	No
24829 PANAMA AVE	48	0	0.23	0.23	0	No	No
24832 PANAMA AVE	38	0	0.23	0.23	0	No	No
24833 PANAMA AVE	43	0	0.23	0.23	0	No	No
24838 PANAMA AVE	28	0	0.23	0.23	0	No	No
24904 NEPTUNE AVE	74	0	0.23	0.23	0	No	No
24912 NEPTUNE AVE	36	0	0.23	0.23	0	No	No
301 244TH ST	29	0	0.23	0.23	0	No	No
305 244TH ST	54	0	0.23	0.23	0	No	No
311 244TH ST	71	7	0.23	0.36	3	Yes	No
317 244TH ST	58	1	0.23	0.23	0	No	No
321 244TH ST	40	3	0.23	0.31	3	Yes	No
327 244TH ST	12	0	0.23	0.23	0	No	No
331 244TH ST	28	0	0.23	0.23	0	No	No
337 244TH ST	34	0	0.23	0.23	0	No	No
341 244TH ST	48	9	0.23	0.57	9	Yes	Yes
344 249TH ST	35	4	0.23	0.37	4	Yes	No
345 249TH ST	93	43	0.23	3.47	43	Yes	Yes
347 244TH ST	32	0	0.23	0.23	0	No	No
348 248TH ST	49	0	0.23	0.23	0	No	No
348 249TH ST	51	0	0.23	0.23	0	No	No
351 244TH ST	32	0	0.23	0.23	0	No	No
352 249TH ST	32	0	0.23	0.23	0	No	No
353 249TH ST	32	1	0.23	0.29	1	Yes	No
354 248TH ST	39	0	0.23	0.23	0	No	No
357 244TH ST	40	0	0.23	0.23	0	No	No
357 249TH ST	24	0	0.23	0.23	0	No	No
358 249TH ST	43	0	0.23	0.23	0	No	No
360 248TH ST	48	0	0.23	0.23	0	No	No
361 244TH ST	23	6	0.23	0.76	6	Yes	Yes
362 249TH ST	25	0	0.23	0.23	0	No	No
363 249TH ST	27	0	0.23	0.23	0	No	No
364 248TH ST	48	0	0.23	0.23	0	No	No
367 244TH ST	13	1	0.23	0.27	1	Yes	No
367 249TH ST	46	3	0.23	0.35	2	Yes	No
368 249TH ST	55	0	0.23	0.23	0	No	No
373 249TH ST	42	0	0.23	0.23	0	No	No
374 248TH ST	120	0	0.23	0.23	0	No	No
374 249TH ST	27	0	0.23	0.23	0	No	No
377 244TH ST	32	0	0.23	0.23	0	No	No
377 249TH ST	33	0	0.23	0.23	0	No	No
378 249TH ST	41	0	0.23	0.23	0	No	No
383 249TH ST	32	0	0.23	0.23	0	No	No
402 249TH ST	32	0	0.23	0.23	0	No	No
408 249TH ST	24	0	0.23	0.23	0	No	No
412 249TH ST	77	64	0.23	3.17	64	Yes	Yes

**Table 5-2.8**  
**Summary of Background Analysis for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Vanadium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	33	45.66	57.6	5	Yes	Yes
24402 NEPTUNE AVE	48	48	45.66	49.1	1	Yes	No
24402 PANAMA AVE	127	127	45.66	58.7	21	Yes	Yes
24402 RAVENNA AVE	40	40	45.66	52.1	3	Yes	No
24403 NEPTUNE AVE	46	46	45.66	73.5	4	Yes	No
24403 RAVENNA AVE	62	62	45.66	48.3	3	Yes	No
24405 MARBELLA AVE	25	25	45.66	55.6	2	Yes	No
24406 MARBELLA AVE	40	40	45.66	46.3	1	Yes	No
24406 NEPTUNE AVE	28	28	45.66	46.8	1	Yes	No
24406 PANAMA AVE	23	23	45.66	46.8	1	Yes	No
24406 RAVENNA AVE	26	26	45.66	42.2	0	No	No
24409 NEPTUNE AVE	24	24	45.66	41.4	0	No	No
24409 RAVENNA AVE	33	33	45.66	43.5	0	No	No
24410 PANAMA AVE	33	33	45.66	59.9	1	Yes	No
24411 MARBELLA AVE	69	69	45.66	55.1	6	Yes	No
24411 PANAMA AVE	37	37	45.66	49.2	3	Yes	No
24412 MARBELLA AVE	31	31	45.66	61.9	5	Yes	Yes
24412 RAVENNA AVE	61	61	45.66	48.5	3	Yes	No
24413 NEPTUNE AVE	24	24	45.66	42	0	No	No
24413 RAVENNA AVE	28	28	45.66	57.3	1	Yes	No
24416 MARBELLA AVE	50	50	45.66	67.1	7	Yes	Yes
24416 NEPTUNE AVE	21	21	45.66	39.5	0	No	No
24416 PANAMA AVE	33	33	45.66	46.1	1	Yes	No
24416 RAVENNA AVE	42	42	45.66	43.5	0	No	No
24417 MARBELLA AVE	8	8	45.66	49.7	2	Yes	No
24417 PANAMA AVE	47	47	45.66	45.7	1	Yes	No
24419 NEPTUNE AVE	32	32	45.66	41.2	0	No	No
24419 RAVENNA AVE	32	32	45.66	40.3	0	No	No
24420 PANAMA AVE	33	33	45.66	42.7	0	No	No
24421 PANAMA AVE	30	30	45.66	43.8	0	No	No
24422 MARBELLA AVE	43	43	45.66	39	0	No	No
24422 NEPTUNE AVE	36	36	45.66	42.2	0	No	No
24422 RAVENNA AVE	29	29	45.66	49.1	1	Yes	No
24423 MARBELLA AVE	13	13	45.66	54.6	2	Yes	No
24423 NEPTUNE AVE	37	37	45.66	42.6	0	No	No
24423 RAVENNA AVE	40	40	45.66	39	0	No	No
24426 MARBELLA AVE	24	24	45.66	39.6	0	No	No
24426 NEPTUNE AVE	30	30	45.66	42.5	0	No	No
24426 PANAMA AVE	30	30	45.66	45.1	0	No	No
24426 RAVENNA AVE	49	49	45.66	47.6	3	Yes	No
24427 MARBELLA AVE	25	25	45.66	53.2	9	Yes	Yes
24427 PANAMA AVE	38	38	45.66	47.4	1	Yes	No
24429 NEPTUNE AVE	19	19	45.66	40.3	0	No	No
24429 RAVENNA AVE	29	29	45.66	45.3	0	No	No
24430 PANAMA AVE	30	30	45.66	49.5	2	Yes	No
24431 PANAMA AVE	35	35	45.66	52.6	2	Yes	No
24432 MARBELLA AVE	67	67	45.66	45.6	0	No	No
24433 MARBELLA AVE	27	27	45.66	63.5	4	Yes	Yes
24436 PANAMA AVE	35	35	45.66	39.6	0	No	No
24502 MARBELLA AVE	51	51	45.66	72.7	4	Yes	No
24502 NEPTUNE AVE	58	58	45.66	34.7	0	No	No
24502 PANAMA AVE	48	48	45.66	49.2	1	Yes	No
24502 RAVENNA AVE	44	44	45.66	36.1	0	No	No
24503 MARBELLA AVE	29	29	45.66	48.9	6	Yes	Yes



**Table 5-2.8**  
**Summary of Background Analysis for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Vanadium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	60	45.66	46.8	2	Yes	No
24503 PANAMA AVE	28	28	45.66	43.3	0	No	No
24503 RAVENNA AVE	34	34	45.66	43	0	No	No
24506 MARBELLA AVE	36	36	45.66	82.1	2	Yes	No
24507 MARBELLA AVE	36	36	45.66	79.2	12	Yes	Yes
24508 NEPTUNE AVE	40	40	45.66	41	0	No	No
24508 PANAMA AVE	24	24	45.66	36.7	0	No	No
24508 RAVENNA AVE	39	39	45.66	42.7	0	No	No
24509 NEPTUNE AVE	31	31	45.66	41.2	0	No	No
24509 PANAMA AVE	47	47	45.66	38.7	0	No	No
24509 RAVENNA AVE	37	37	45.66	47.5	1	Yes	No
24512 MARBELLA AVE	48	48	45.66	54.7	9	Yes	Yes
24512 NEPTUNE AVE	36	36	45.66	57.2	1	Yes	No
24512 PANAMA AVE	28	28	45.66	35.5	0	No	No
24512 RAVENNA AVE	46	46	45.66	46.5	1	Yes	No
24513 NEPTUNE AVE	37	37	45.66	46.9	1	Yes	No
24513 PANAMA AVE	51	51	45.66	62.9	1	Yes	No
24513 RAVENNA AVE	30	30	45.66	42.6	0	No	No
24516 MARBELLA AVE	30	30	45.66	48.3	1	Yes	No
24517 MARBELLA AVE	12	12	45.66	63	4	Yes	Yes
24518 NEPTUNE AVE	45	45	45.66	43.7	0	No	No
24518 PANAMA AVE	42	42	45.66	36.8	0	No	No
24518 RAVENNA AVE	30	30	45.66	39.9	0	No	No
24519 NEPTUNE AVE	35	35	45.66	41.7	0	No	No
24519 PANAMA AVE	30	30	45.66	38.8	0	No	No
24522 MARBELLA AVE	27	27	45.66	55.9	7	Yes	Yes
24522 NEPTUNE AVE	28	28	45.66	43.4	0	No	No
24522 PANAMA AVE	36	36	45.66	40.6	0	No	No
24522 RAVENNA AVE	35	35	45.66	38	0	No	No
24523 MARBELLA AVE	45	45	45.66	50.1	2	Yes	No
24523 NEPTUNE AVE	37	37	45.66	53.7	4	Yes	No
24523 RAVENNA AVE	17	17	45.66	36	0	No	No
24526 MARBELLA AVE	36	36	45.66	51.2	2	Yes	No
24528 NEPTUNE AVE	31	31	45.66	40.1	0	No	No
24528 PANAMA AVE	39	39	45.66	33	0	No	No
24529 NEPTUNE AVE	32	32	45.66	47.5	3	Yes	No
24529 PANAMA AVE	24	24	45.66	35	0	No	No
24529 RAVENNA AVE	26	26	45.66	42.3	0	No	No
24532 MARBELLA AVE	27	27	45.66	86	3	Yes	No
24532 NEPTUNE AVE	21	21	45.66	60.6	1	Yes	No
24532 PANAMA AVE	23	23	45.66	29.2	0	No	No
24532 RAVENNA AVE	29	29	45.66	40.5	0	No	No
24533 MARBELLA AVE	25	25	45.66	70.6	1	Yes	No
24533 PANAMA AVE	29	29	45.66	36	0	No	No
24533 RAVENNA AVE	52	52	45.66	38	0	No	No
24602 MARBELLA AVE	34	34	45.66	72.3	7	Yes	Yes
24602 NEPTUNE AVE	33	33	45.66	38.3	0	No	No
24602 PANAMA AVE	40	40	45.66	46.7	1	Yes	No
24602 RAVENNA AVE	28	28	45.66	47	1	Yes	No
24603 MARBELLA AVE	26	26	45.66	59.2	10	Yes	Yes
24603 NEPTUNE AVE	49	49	45.66	43.1	0	No	No
24603 PANAMA AVE	30	30	45.66	41.7	0	No	No
24603 RAVENNA AVE	31	31	45.66	36.5	0	No	No
24606 MARBELLA AVE	63	63	45.66	53	6	Yes	No

**Table 5-2.8**  
**Summary of Background Analysis for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Vanadium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	31	45.66	56.1	2	Yes	No
24608 NEPTUNE AVE	37	37	45.66	35.6	0	No	No
24608 PANAMA AVE	22	22	45.66	58.8	1	Yes	No
24608 RAVENNA AVE	40	40	45.66	39.2	0	No	No
24609 NEPTUNE AVE	30	30	45.66	43.8	0	No	No
24609 PANAMA AVE	34	34	45.66	38.9	0	No	No
24609 RAVENNA AVE	45	45	45.66	36	0	No	No
24612 MARBELLA AVE	51	51	45.66	52.5	5	Yes	No
24612 NEPTUNE AVE	47	47	45.66	36.4	0	No	No
24612 PANAMA AVE	33	33	45.66	37.5	0	No	No
24612 RAVENNA AVE	46	46	45.66	48.2	2	Yes	No
24613 MARBELLA AVE	52	52	45.66	68.5	13	Yes	Yes
24613 NEPTUNE AVE	39	39	45.66	42	0	No	No
24613 PANAMA AVE	51	51	45.66	44.2	0	No	No
24613 RAVENNA AVE	33	33	45.66	35.6	0	No	No
24616 MARBELLA AVE	46	46	45.66	51.5	3	Yes	No
24617 MARBELLA AVE	34	34	45.66	63.7	19	Yes	Yes
24618 NEPTUNE AVE	26	26	45.66	34.3	0	No	No
24618 PANAMA AVE	28	28	45.66	39.1	0	No	No
24618 RAVENNA AVE	40	40	45.66	35.1	0	No	No
24619 NEPTUNE AVE	28	28	45.66	42.3	0	No	No
24619 PANAMA AVE	38	38	45.66	35.8	0	No	No
24619 RAVENNA AVE	35	35	45.66	32.2	0	No	No
24622 MARBELLA AVE	53	53	45.66	50.1	6	Yes	Yes
24622 NEPTUNE AVE	34	34	45.66	37	0	No	No
24623 MARBELLA AVE	32	32	45.66	67.1	8	Yes	Yes
24623 NEPTUNE AVE	36	36	45.66	40.5	0	No	No
24627 MARBELLA AVE	48	48	45.66	75.2	13	Yes	Yes
24628 MARBELLA AVE	52	52	45.66	55.6	6	Yes	Yes
24628 NEPTUNE AVE	18	18	45.66	34.6	0	No	No
24629 NEPTUNE AVE	39	39	45.66	38.4	0	No	No
24632 NEPTUNE AVE	20	20	45.66	42.1	0	No	No
24633 MARBELLA AVE	40	40	45.66	82.2	3	Yes	No
24700 MARBELLA AVE	46	46	45.66	45.7	1	Yes	No
24700 RAVENNA AVE	56	56	45.66	40.3	0	No	No
24702 NEPTUNE AVE	46	46	45.66	36.1	0	No	No
24702 PANAMA AVE	30	30	45.66	38.7	0	No	No
24703 MARBELLA AVE	36	36	45.66	49.9	4	Yes	No
24703 NEPTUNE AVE	39	39	45.66	42.9	0	No	No
24703 RAVENNA AVE	53	53	45.66	37.7	0	No	No
24706 MARBELLA AVE	43	43	45.66	42.3	0	No	No
24706 RAVENNA AVE	33	33	45.66	40	0	No	No
24707 MARBELLA AVE	37	37	45.66	47.9	1	Yes	No
24708 PANAMA AVE	37	37	45.66	42.1	0	No	No
24709 NEPTUNE AVE	37	37	45.66	38.6	0	No	No
24709 PANAMA AVE	43	43	45.66	31.8	0	No	No
24709 RAVENNA AVE	52	52	45.66	35.7	0	No	No
24710 MARBELLA AVE	43	43	45.66	51	1	Yes	No
24712 NEPTUNE AVE	32	32	45.66	37.1	0	No	No
24712 PANAMA AVE	27	27	45.66	38.8	0	No	No
24712 RAVENNA AVE	45	45	45.66	34.9	0	No	No
24713 MARBELLA AVE	37	37	45.66	45.4	0	No	No
24713 PANAMA AVE	34	34	45.66	40	0	No	No
24713 RAVENNA AVE	35	35	45.66	36.2	0	No	No

**Table 5-2.8**  
**Summary of Background Analysis for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Vanadium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	45.66	38.6	0	No	No
24716 MARBELLA AVE	30	30	45.66	42.1	0	No	No
24716 RAVENNA AVE	15	15	45.66	29.8	0	No	No
24717 MARBELLA AVE	38	38	45.66	41.2	0	No	No
24718 NEPTUNE AVE	65	65	45.66	36.3	0	No	No
24718 PANAMA AVE	33	33	45.66	35.4	0	No	No
24719 NEPTUNE AVE	33	33	45.66	39.1	0	No	No
24719 PANAMA AVE	28	28	45.66	38.6	0	No	No
24719 RAVENNA AVE	45	45	45.66	34.9	0	No	No
24722 MARBELLA AVE	34	34	45.66	42.8	0	No	No
24722 NEPTUNE AVE	40	40	45.66	31.2	0	No	No
24722 PANAMA AVE	18	18	45.66	35.8	0	No	No
24722 RAVENNA AVE	41	41	45.66	33.8	0	No	No
24723 MARBELLA AVE	22	22	45.66	40.9	0	No	No
24723 RAVENNA AVE	37	37	45.66	31.6	0	No	No
24725 NEPTUNE AVE	35	35	45.66	31.3	0	No	No
24726 MARBELLA AVE	49	49	45.66	53	2	Yes	No
24726 RAVENNA AVE	37	37	45.66	33.3	0	No	No
24727 MARBELLA AVE	40	40	45.66	47.6	1	Yes	No
24728 NEPTUNE AVE	33	33	45.66	34.7	0	No	No
24728 PANAMA AVE	31	31	45.66	34	0	No	No
24729 NEPTUNE AVE	35	35	45.66	37.6	0	No	No
24729 PANAMA AVE	34	34	45.66	40.1	0	No	No
24729 RAVENNA AVE	16	16	45.66	36.4	0	No	No
24732 MARBELLA AVE	37	37	45.66	43.7	0	No	No
24732 NEPTUNE AVE	35	35	45.66	35.5	0	No	No
24732 PANAMA AVE	33	33	45.66	39	0	No	No
24732 RAVENNA AVE	42	42	45.66	32.1	0	No	No
24733 MARBELLA AVE	32	32	45.66	43.4	0	No	No
24733 PANAMA AVE	38	38	45.66	38.5	0	No	No
24733 RAVENNA AVE	40	40	45.66	33.3	0	No	No
24735 NEPTUNE AVE	36	36	45.66	35.1	0	No	No
24736 MARBELLA AVE	52	52	45.66	43.7	0	No	No
24736 RAVENNA AVE	43	43	45.66	31.8	0	No	No
24737 MARBELLA AVE	28	28	45.66	39.7	0	No	No
24738 NEPTUNE AVE	51	51	45.66	34.6	0	No	No
24738 PANAMA AVE	32	32	45.66	42.3	0	No	No
24739 NEPTUNE AVE	41	41	45.66	34.9	0	No	No
24739 PANAMA AVE	43	43	45.66	37	0	No	No
24739 RAVENNA AVE	42	42	45.66	35.6	0	No	No
24740 MARBELLA AVE	64	64	45.66	36.9	0	No	No
24741 MARBELLA AVE	12	12	45.66	35.3	0	No	No
24743 RAVENNA AVE	42	42	45.66	33.6	0	No	No
24744 MARBELLA AVE	25	25	45.66	43	0	No	No
24748 RAVENNA AVE	24	24	45.66	34.3	0	No	No
24749 RAVENNA AVE	43	43	45.66	40.7	0	No	No
24752 RAVENNA AVE	45	45	45.66	33	0	No	No
24802 PANAMA AVE	47	47	45.66	33.4	0	No	No
24803 NEPTUNE AVE	32	32	45.66	32.5	0	No	No
24803 PANAMA AVE	18	18	45.66	35.4	0	No	No
24809 NEPTUNE AVE	27	27	45.66	32.1	0	No	No
24809 PANAMA AVE	36	36	45.66	38.3	0	No	No
24812 PANAMA AVE	29	29	45.66	31.5	0	No	No
24813 PANAMA AVE	15	15	45.66	38.8	0	No	No

**Table 5-2.8**  
**Summary of Background Analysis for Vanadium**  
Former Kast Property  
Carson, CA

Location ID	Vanadium (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	30	45.66	31.9	0	No	No
24818 PANAMA AVE	34	34	45.66	30.6	0	No	No
24819 PANAMA AVE	34	34	45.66	36.1	0	No	No
24822 PANAMA AVE	43	43	45.66	33.4	0	No	No
24823 PANAMA AVE	39	39	45.66	33.4	0	No	No
24825 NEPTUNE AVE	98	98	45.66	35.1	0	No	No
24828 PANAMA AVE	36	36	45.66	33.5	0	No	No
24829 PANAMA AVE	48	48	45.66	36.7	0	No	No
24832 PANAMA AVE	38	38	45.66	33.4	0	No	No
24833 PANAMA AVE	43	43	45.66	39.2	0	No	No
24838 PANAMA AVE	28	28	45.66	32	0	No	No
24904 NEPTUNE AVE	74	74	45.66	33.7	0	No	No
24912 NEPTUNE AVE	36	36	45.66	36.2	0	No	No
301 244TH ST	29	29	45.66	48.4	3	Yes	No
305 244TH ST	54	54	45.66	59.1	5	Yes	No
311 244TH ST	71	71	45.66	54.4	8	Yes	Yes
317 244TH ST	58	58	45.66	51	2	Yes	No
321 244TH ST	40	40	45.66	71.5	13	Yes	Yes
327 244TH ST	12	12	45.66	51.9	4	Yes	Yes
331 244TH ST	28	28	45.66	59.8	6	Yes	Yes
337 244TH ST	34	34	45.66	50.9	6	Yes	Yes
341 244TH ST	48	48	45.66	60.4	3	Yes	No
344 249TH ST	35	35	45.66	39.5	0	No	No
345 249TH ST	93	93	45.66	39.1	0	No	No
347 244TH ST	32	32	45.66	45.5	0	No	No
348 248TH ST	49	49	45.66	33.6	0	No	No
348 249TH ST	51	51	45.66	38.7	0	No	No
351 244TH ST	32	32	45.66	42.4	0	No	No
352 249TH ST	32	32	45.66	33.2	0	No	No
353 249TH ST	32	32	45.66	33.6	0	No	No
354 248TH ST	39	39	45.66	34.1	0	No	No
357 244TH ST	40	40	45.66	44.2	0	No	No
357 249TH ST	24	24	45.66	32.1	0	No	No
358 249TH ST	43	43	45.66	31.7	0	No	No
360 248TH ST	48	48	45.66	47.8	1	Yes	No
361 244TH ST	23	23	45.66	51	1	Yes	No
362 249TH ST	25	25	45.66	38.6	0	No	No
363 249TH ST	27	27	45.66	30.6	0	No	No
364 248TH ST	48	48	45.66	31.7	0	No	No
367 244TH ST	13	13	45.66	45.7	1	Yes	No
367 249TH ST	46	46	45.66	32.4	0	No	No
368 249TH ST	55	55	45.66	36.3	0	No	No
373 249TH ST	42	42	45.66	31.4	0	No	No
374 248TH ST	120	120	45.66	33.9	0	No	No
374 249TH ST	27	27	45.66	36.3	0	No	No
377 244TH ST	32	32	45.66	44.8	0	No	No
377 249TH ST	33	33	45.66	28.8	0	No	No
378 249TH ST	41	41	45.66	35	0	No	No
383 249TH ST	32	32	45.66	24.8	0	No	No
402 249TH ST	32	32	45.66	35.5	0	No	No
408 249TH ST	24	24	45.66	34.5	0	No	No
412 249TH ST	77	77	45.66	70.7	1	Yes	No

**Table 5-2.9**  
**Summary of Background Analysis for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Zinc (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	33	291	85.7	0	No	No
24402 NEPTUNE AVE	48	48	291	106	0	No	No
24402 PANAMA AVE	127	127	291	93.6	0	No	No
24402 RAVENNA AVE	40	40	291	104	0	No	No
24403 NEPTUNE AVE	46	46	291	109	0	No	No
24403 RAVENNA AVE	62	62	291	106	0	No	No
24405 MARBELLA AVE	25	25	291	75.1	0	No	No
24406 MARBELLA AVE	40	40	291	107	0	No	No
24406 NEPTUNE AVE	28	28	291	99.3	0	No	No
24406 PANAMA AVE	23	23	291	125	0	No	No
24406 RAVENNA AVE	26	26	291	62.5	0	No	No
24409 NEPTUNE AVE	24	24	291	166	0	No	No
24409 RAVENNA AVE	33	33	291	447	1	Yes	No
24410 PANAMA AVE	33	33	291	93	0	No	No
24411 MARBELLA AVE	69	69	291	107	0	No	No
24411 PANAMA AVE	37	37	291	288	0	No	No
24412 MARBELLA AVE	31	31	291	477	1	Yes	No
24412 RAVENNA AVE	61	61	291	88.3	0	No	No
24413 NEPTUNE AVE	24	24	291	140	0	No	No
24413 RAVENNA AVE	28	28	291	188	0	No	No
24416 MARBELLA AVE	50	50	291	149	0	No	No
24416 NEPTUNE AVE	21	21	291	45.3	0	No	No
24416 PANAMA AVE	33	33	291	135	0	No	No
24416 RAVENNA AVE	42	42	291	180	0	No	No
24417 MARBELLA AVE	8	8	291	80.4	0	No	No
24417 PANAMA AVE	47	47	291	64.7	0	No	No
24419 NEPTUNE AVE	32	32	291	142	0	No	No
24419 RAVENNA AVE	32	32	291	83.6	0	No	No
24420 PANAMA AVE	33	33	291	143	0	No	No
24421 PANAMA AVE	30	30	291	242	0	No	No
24422 MARBELLA AVE	43	43	291	127	0	No	No
24422 NEPTUNE AVE	36	36	291	115	0	No	No
24422 RAVENNA AVE	29	29	291	56.1	0	No	No
24423 MARBELLA AVE	13	13	291	185	0	No	No
24423 NEPTUNE AVE	37	37	291	81.1	0	No	No
24423 RAVENNA AVE	40	40	291	57.3	0	No	No
24426 MARBELLA AVE	24	24	291	161	0	No	No
24426 NEPTUNE AVE	30	30	291	73.3	0	No	No
24426 PANAMA AVE	30	30	291	101	0	No	No
24426 RAVENNA AVE	49	49	291	82	0	No	No
24427 MARBELLA AVE	25	25	291	82.8	0	No	No
24427 PANAMA AVE	38	38	291	248	0	No	No
24429 NEPTUNE AVE	19	19	291	71.2	0	No	No
24429 RAVENNA AVE	29	29	291	84.3	0	No	No
24430 PANAMA AVE	30	30	291	178	0	No	No
24431 PANAMA AVE	35	35	291	119	0	No	No
24432 MARBELLA AVE	67	67	291	108	0	No	No
24433 MARBELLA AVE	27	27	291	113	0	No	No
24436 PANAMA AVE	35	35	291	65.8	0	No	No
24502 MARBELLA AVE	51	51	291	81.5	0	No	No
24502 NEPTUNE AVE	58	58	291	48.1	0	No	No
24502 PANAMA AVE	48	48	291	47.2	0	No	No
24502 RAVENNA AVE	44	44	291	65.1	0	No	No
24503 MARBELLA AVE	29	29	291	76.9	0	No	No

**Table 5-2.9**  
**Summary of Background Analysis for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Zinc (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	60	291	86	0	No	No
24503 PANAMA AVE	28	28	291	52.1	0	No	No
24503 RAVENNA AVE	34	34	291	113	0	No	No
24506 MARBELLA AVE	36	36	291	94.4	0	No	No
24507 MARBELLA AVE	36	36	291	78	0	No	No
24508 NEPTUNE AVE	40	40	291	64.4	0	No	No
24508 PANAMA AVE	24	24	291	47.1	0	No	No
24508 RAVENNA AVE	39	39	291	163	0	No	No
24509 NEPTUNE AVE	31	31	291	87.4	0	No	No
24509 PANAMA AVE	47	47	291	189	0	No	No
24509 RAVENNA AVE	37	37	291	146	0	No	No
24512 MARBELLA AVE	48	48	291	69.4	0	No	No
24512 NEPTUNE AVE	36	36	291	103	0	No	No
24512 PANAMA AVE	28	28	291	46.5	0	No	No
24512 RAVENNA AVE	46	46	291	82.4	0	No	No
24513 NEPTUNE AVE	37	37	291	96.2	0	No	No
24513 PANAMA AVE	51	51	291	52.9	0	No	No
24513 RAVENNA AVE	30	30	291	89.7	0	No	No
24516 MARBELLA AVE	30	30	291	64.6	0	No	No
24517 MARBELLA AVE	12	12	291	94.7	0	No	No
24518 NEPTUNE AVE	45	45	291	61.1	0	No	No
24518 PANAMA AVE	42	42	291	346	1	Yes	No
24518 RAVENNA AVE	30	30	291	84.3	0	No	No
24519 NEPTUNE AVE	35	35	291	1240	1	Yes	No
24519 PANAMA AVE	30	30	291	87.5	0	No	No
24522 MARBELLA AVE	27	27	291	69	0	No	No
24522 NEPTUNE AVE	28	28	291	56.8	0	No	No
24522 PANAMA AVE	36	36	291	51.2	0	No	No
24522 RAVENNA AVE	35	35	291	52.4	0	No	No
24523 MARBELLA AVE	45	45	291	106	0	No	No
24523 NEPTUNE AVE	37	37	291	86.1	0	No	No
24523 RAVENNA AVE	17	17	291	409	1	Yes	No
24526 MARBELLA AVE	36	36	291	79.4	0	No	No
24528 NEPTUNE AVE	31	31	291	47	0	No	No
24528 PANAMA AVE	39	39	291	55.9	0	No	No
24529 NEPTUNE AVE	32	32	291	86.5	0	No	No
24529 PANAMA AVE	24	24	291	47.5	0	No	No
24529 RAVENNA AVE	26	26	291	195	0	No	No
24532 MARBELLA AVE	27	27	291	86.3	0	No	No
24532 NEPTUNE AVE	21	21	291	121	0	No	No
24532 PANAMA AVE	23	23	291	95	0	No	No
24532 RAVENNA AVE	29	29	291	41.6	0	No	No
24533 MARBELLA AVE	25	25	291	480	1	Yes	No
24533 PANAMA AVE	29	29	291	297	1	Yes	No
24533 RAVENNA AVE	52	52	291	88.9	0	No	No
24602 MARBELLA AVE	34	34	291	73	0	No	No
24602 NEPTUNE AVE	33	33	291	56.9	0	No	No
24602 PANAMA AVE	40	40	291	79.3	0	No	No
24602 RAVENNA AVE	28	28	291	43.4	0	No	No
24603 MARBELLA AVE	26	26	291	111	0	No	No
24603 NEPTUNE AVE	49	49	291	83.8	0	No	No
24603 PANAMA AVE	30	30	291	42.9	0	No	No
24603 RAVENNA AVE	31	31	291	84.7	0	No	No
24606 MARBELLA AVE	63	63	291	71.9	0	No	No

**Table 5-2.9**  
**Summary of Background Analysis for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Zinc (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	31	291	148	0	No	No
24608 NEPTUNE AVE	37	37	291	160	0	No	No
24608 PANAMA AVE	22	22	291	62.3	0	No	No
24608 RAVENNA AVE	40	40	291	91	0	No	No
24609 NEPTUNE AVE	30	30	291	63	0	No	No
24609 PANAMA AVE	34	34	291	50.5	0	No	No
24609 RAVENNA AVE	45	45	291	81	0	No	No
24612 MARBELLA AVE	51	51	291	176	0	No	No
24612 NEPTUNE AVE	47	47	291	140	0	No	No
24612 PANAMA AVE	33	33	291	43.8	0	No	No
24612 RAVENNA AVE	46	46	291	174	0	No	No
24613 MARBELLA AVE	52	52	291	66.8	0	No	No
24613 NEPTUNE AVE	39	39	291	85.5	0	No	No
24613 PANAMA AVE	51	51	291	80.7	0	No	No
24613 RAVENNA AVE	33	33	291	47.6	0	No	No
24616 MARBELLA AVE	46	46	291	68.7	0	No	No
24617 MARBELLA AVE	34	34	291	104	0	No	No
24618 NEPTUNE AVE	26	26	291	60.5	0	No	No
24618 PANAMA AVE	28	28	291	52.6	0	No	No
24618 RAVENNA AVE	40	40	291	37.2	0	No	No
24619 NEPTUNE AVE	28	28	291	69.8	0	No	No
24619 PANAMA AVE	38	38	291	42.5	0	No	No
24619 RAVENNA AVE	35	35	291	42.9	0	No	No
24622 MARBELLA AVE	53	53	291	146	0	No	No
24622 NEPTUNE AVE	34	34	291	56.6	0	No	No
24623 MARBELLA AVE	32	32	291	92.1	0	No	No
24623 NEPTUNE AVE	36	36	291	115	0	No	No
24627 MARBELLA AVE	48	48	291	100	0	No	No
24628 MARBELLA AVE	52	52	291	89	0	No	No
24628 NEPTUNE AVE	18	18	291	34.4	0	No	No
24629 NEPTUNE AVE	39	39	291	126	0	No	No
24632 NEPTUNE AVE	20	20	291	119	0	No	No
24633 MARBELLA AVE	40	40	291	122	0	No	No
24700 MARBELLA AVE	46	46	291	176	0	No	No
24700 RAVENNA AVE	56	56	291	58	0	No	No
24702 NEPTUNE AVE	46	46	291	139	0	No	No
24702 PANAMA AVE	30	30	291	190	0	No	No
24703 MARBELLA AVE	36	36	291	153	0	No	No
24703 NEPTUNE AVE	39	39	291	75.4	0	No	No
24703 RAVENNA AVE	53	53	291	69.8	0	No	No
24706 MARBELLA AVE	43	43	291	145	0	No	No
24706 RAVENNA AVE	33	33	291	63.8	0	No	No
24707 MARBELLA AVE	37	37	291	58.3	0	No	No
24708 PANAMA AVE	37	37	291	122	0	No	No
24709 NEPTUNE AVE	37	37	291	123	0	No	No
24709 PANAMA AVE	43	43	291	87.3	0	No	No
24709 RAVENNA AVE	52	52	291	57.3	0	No	No
24710 MARBELLA AVE	43	43	291	197	0	No	No
24712 NEPTUNE AVE	32	32	291	138	0	No	No
24712 PANAMA AVE	27	27	291	72.9	0	No	No
24712 RAVENNA AVE	45	45	291	120	0	No	No
24713 MARBELLA AVE	37	37	291	56.4	0	No	No
24713 PANAMA AVE	34	34	291	77	0	No	No
24713 RAVENNA AVE	35	35	291	70.3	0	No	No

**Table 5-2.9**  
**Summary of Background Analysis for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Zinc (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	291	58.3	0	No	No
24716 MARBELLA AVE	30	30	291	106	0	No	No
24716 RAVENNA AVE	15	15	291	51.1	0	No	No
24717 MARBELLA AVE	38	38	291	61.2	0	No	No
24718 NEPTUNE AVE	65	65	291	42.2	0	No	No
24718 PANAMA AVE	33	33	291	102	0	No	No
24719 NEPTUNE AVE	33	33	291	175	0	No	No
24719 PANAMA AVE	28	28	291	240	0	No	No
24719 RAVENNA AVE	45	45	291	66.5	0	No	No
24722 MARBELLA AVE	34	34	291	62.2	0	No	No
24722 NEPTUNE AVE	40	40	291	70.5	0	No	No
24722 PANAMA AVE	18	18	291	57.4	0	No	No
24722 RAVENNA AVE	41	41	291	61.5	0	No	No
24723 MARBELLA AVE	22	22	291	123	0	No	No
24723 RAVENNA AVE	37	37	291	131	0	No	No
24725 NEPTUNE AVE	35	35	291	110	0	No	No
24726 MARBELLA AVE	49	49	291	88.8	0	No	No
24726 RAVENNA AVE	37	37	291	68.6	0	No	No
24727 MARBELLA AVE	40	40	291	142	0	No	No
24728 NEPTUNE AVE	33	33	291	80.8	0	No	No
24728 PANAMA AVE	31	31	291	174	0	No	No
24729 NEPTUNE AVE	35	35	291	137	0	No	No
24729 PANAMA AVE	34	34	291	73.7	0	No	No
24729 RAVENNA AVE	16	16	291	106	0	No	No
24732 MARBELLA AVE	37	37	291	63.3	0	No	No
24732 NEPTUNE AVE	35	35	291	93.4	0	No	No
24732 PANAMA AVE	33	33	291	148	0	No	No
24732 RAVENNA AVE	42	42	291	53.6	0	No	No
24733 MARBELLA AVE	32	32	291	57.9	0	No	No
24733 PANAMA AVE	38	38	291	90.7	0	No	No
24733 RAVENNA AVE	40	40	291	49.6	0	No	No
24735 NEPTUNE AVE	36	36	291	66.1	0	No	No
24736 MARBELLA AVE	52	52	291	113	0	No	No
24736 RAVENNA AVE	43	43	291	50.8	0	No	No
24737 MARBELLA AVE	28	28	291	265	0	No	No
24738 NEPTUNE AVE	51	51	291	56.3	0	No	No
24738 PANAMA AVE	32	32	291	101	0	No	No
24739 NEPTUNE AVE	41	41	291	90.1	0	No	No
24739 PANAMA AVE	43	43	291	54	0	No	No
24739 RAVENNA AVE	42	42	291	52.7	0	No	No
24740 MARBELLA AVE	64	64	291	71.6	0	No	No
24741 MARBELLA AVE	12	12	291	64.8	0	No	No
24743 RAVENNA AVE	42	42	291	55.2	0	No	No
24744 MARBELLA AVE	25	25	291	72.3	0	No	No
24748 RAVENNA AVE	24	24	291	45.1	0	No	No
24749 RAVENNA AVE	43	43	291	85.2	0	No	No
24752 RAVENNA AVE	45	45	291	60.5	0	No	No
24802 PANAMA AVE	47	47	291	65.6	0	No	No
24803 NEPTUNE AVE	32	32	291	106	0	No	No
24803 PANAMA AVE	18	18	291	37.9	0	No	No
24809 NEPTUNE AVE	27	27	291	5770	1	Yes	No
24809 PANAMA AVE	36	36	291	48.2	0	No	No
24812 PANAMA AVE	29	29	291	49.3	0	No	No
24813 PANAMA AVE	15	15	291	55.8	0	No	No



**Table 5-2.9**  
**Summary of Background Analysis for Zinc**  
Former Kast Property  
Carson, CA

Location ID	Zinc (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	30	291	106	0	No	No
24818 PANAMA AVE	34	34	291	54.4	0	No	No
24819 PANAMA AVE	34	34	291	240	0	No	No
24822 PANAMA AVE	43	43	291	330	1	Yes	No
24823 PANAMA AVE	39	39	291	347	1	Yes	No
24825 NEPTUNE AVE	98	98	291	125	0	No	No
24828 PANAMA AVE	36	36	291	85.8	0	No	No
24829 PANAMA AVE	48	48	291	121	0	No	No
24832 PANAMA AVE	38	38	291	79.5	0	No	No
24833 PANAMA AVE	43	43	291	97	0	No	No
24838 PANAMA AVE	28	28	291	88.1	0	No	No
24904 NEPTUNE AVE	74	74	291	85.9	0	No	No
24912 NEPTUNE AVE	36	36	291	73.1	0	No	No
301 244TH ST	29	29	291	120	0	No	No
305 244TH ST	54	54	291	544	1	Yes	No
311 244TH ST	71	71	291	1140	3	Yes	No
317 244TH ST	58	58	291	158	0	No	No
321 244TH ST	40	40	291	111	0	No	No
327 244TH ST	12	12	291	55.5	0	No	No
331 244TH ST	28	28	291	85.5	0	No	No
337 244TH ST	34	34	291	70	0	No	No
341 244TH ST	48	48	291	313	1	Yes	No
344 249TH ST	35	35	291	109	0	No	No
345 249TH ST	93	93	291	158	0	No	No
347 244TH ST	32	32	291	114	0	No	No
348 248TH ST	49	49	291	47.3	0	No	No
348 249TH ST	51	51	291	101	0	No	No
351 244TH ST	32	32	291	62.6	0	No	No
352 249TH ST	32	32	291	85.2	0	No	No
353 249TH ST	32	32	291	60.9	0	No	No
354 248TH ST	39	39	291	114	0	No	No
357 244TH ST	40	40	291	66.6	0	No	No
357 249TH ST	24	24	291	42.6	0	No	No
358 249TH ST	43	43	291	62.1	0	No	No
360 248TH ST	48	48	291	49.7	0	No	No
361 244TH ST	23	23	291	81.5	0	No	No
362 249TH ST	25	25	291	100	0	No	No
363 249TH ST	27	27	291	673	1	Yes	No
364 248TH ST	48	48	291	68.2	0	No	No
367 244TH ST	13	13	291	282	0	No	No
367 249TH ST	46	46	291	339	1	Yes	No
368 249TH ST	55	55	291	50.3	0	No	No
373 249TH ST	42	42	291	105	0	No	No
374 248TH ST	120	120	291	180	0	No	No
374 249TH ST	27	27	291	47.5	0	No	No
377 244TH ST	32	32	291	90.8	0	No	No
377 249TH ST	33	33	291	102	0	No	No
378 249TH ST	41	41	291	51.3	0	No	No
383 249TH ST	32	32	291	128	0	No	No
402 249TH ST	32	32	291	82.9	0	No	No
408 249TH ST	24	24	291	185	0	No	No
412 249TH ST	77	77	291	212	0	No	No

**Table 5-2.10**  
**Summary of Background Analysis for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	BaP-TEQ (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24401 MARBELLA AVE	33	23	0.9	0.0555	0	No	No
24402 NEPTUNE AVE	48	48	0.9	0.613	0	No	No
24402 PANAMA AVE	127	75	0.9	0.584	0	No	No
24402 RAVENNA AVE	40	35	0.9	0.569	0	No	No
24403 NEPTUNE AVE	46	43	0.9	1.07	1	Yes	No
24403 RAVENNA AVE	64	62	0.9	1.236	3	Yes	No
24405 MARBELLA AVE	25	21	0.9	0.0337	0	No	No
24406 MARBELLA AVE	40	19	0.9	0.415	0	No	No
24406 NEPTUNE AVE	28	28	0.9	0.342	0	No	No
24406 PANAMA AVE	23	20	0.9	0.821	0	No	No
24406 RAVENNA AVE	26	26	0.9	0.0921	0	No	No
24409 NEPTUNE AVE	24	23	0.9	0.45	0	No	No
24409 RAVENNA AVE	33	32	0.9	0.17	0	No	No
24410 PANAMA AVE	33	28	0.9	0.202	0	No	No
24411 MARBELLA AVE	69	47	0.9	1.251	2	Yes	No
24411 PANAMA AVE	41	34	0.9	0.224	0	No	No
24412 MARBELLA AVE	31	25	0.9	0.208	0	No	No
24412 RAVENNA AVE	61	57	0.9	0.43	0	No	No
24413 NEPTUNE AVE	24	24	0.9	0.384	0	No	No
24413 RAVENNA AVE	28	27	0.9	0.386	0	No	No
24416 MARBELLA AVE	50	42	0.9	1.102	1	Yes	No
24416 NEPTUNE AVE	21	21	0.9	0.162	0	No	No
24416 PANAMA AVE	33	28	0.9	0.197	0	No	No
24416 RAVENNA AVE	42	42	0.9	2.275	3	Yes	No
24417 MARBELLA AVE	8	3	0.9	0.0194	0	No	No
24417 PANAMA AVE	47	41	0.9	0.529	0	No	No
24419 NEPTUNE AVE	32	32	0.9	0.448	0	No	No
24419 RAVENNA AVE	32	29	0.9	0.176	0	No	No
24420 PANAMA AVE	33	28	0.9	1.113	1	Yes	No
24421 PANAMA AVE	30	25	0.9	0.283	0	No	No
24422 MARBELLA AVE	43	42	0.9	0.605	0	No	No
24422 NEPTUNE AVE	36	36	0.9	0.258	0	No	No
24422 RAVENNA AVE	29	28	0.9	1.019	1	Yes	No
24423 MARBELLA AVE	13	8	0.9	0.0199	0	No	No
24423 NEPTUNE AVE	37	37	0.9	0.229	0	No	No
24423 RAVENNA AVE	40	39	0.9	0.995	1	Yes	No
24426 MARBELLA AVE	24	23	0.9	0.419	0	No	No
24426 NEPTUNE AVE	30	27	0.9	0.142	0	No	No
24426 PANAMA AVE	30	22	0.9	0.409	0	No	No
24426 RAVENNA AVE	49	49	0.9	1.983	1	Yes	No
24427 MARBELLA AVE	25	21	0.9	0.0946	0	No	No
24427 PANAMA AVE	38	38	0.9	0.821	0	No	No
24429 NEPTUNE AVE	19	18	0.9	0.211	0	No	No
24429 RAVENNA AVE	29	29	0.9	0.188	0	No	No
24430 PANAMA AVE	30	23	0.9	0.139	0	No	No
24431 PANAMA AVE	35	35	0.9	0.154	0	No	No
24432 MARBELLA AVE	67	63	0.9	0.5	0	No	No
24433 MARBELLA AVE	27	8	0.9	0.0733	0	No	No
24436 PANAMA AVE	35	23	0.9	0.156	0	No	No
24502 MARBELLA AVE	51	50	0.9	0.221	0	No	No
24502 NEPTUNE AVE	58	56	0.9	0.303	0	No	No
24502 PANAMA AVE	48	15	0.9	0.0124	0	No	No
24502 RAVENNA AVE	44	43	0.9	0.489	0	No	No
24503 MARBELLA AVE	29	16	0.9	0.0187	0	No	No

**Table 5-2.10**  
**Summary of Background Analysis for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	BaP-TEQ (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24503 NEPTUNE AVE	60	58	0.9	0.245	0	No	No
24503 PANAMA AVE	28	26	0.9	0.347	0	No	No
24503 RAVENNA AVE	34	34	0.9	0.676	0	No	No
24506 MARBELLA AVE	36	36	0.9	0.593	0	No	No
24507 MARBELLA AVE	36	20	0.9	0.222	0	No	No
24508 NEPTUNE AVE	40	40	0.9	1.09	1	Yes	No
24508 PANAMA AVE	24	7	0.9	0.00587	0	No	No
24508 RAVENNA AVE	39	34	0.9	0.884	0	No	No
24509 NEPTUNE AVE	31	31	0.9	0.405	0	No	No
24509 PANAMA AVE	47	43	0.9	0.504	0	No	No
24509 RAVENNA AVE	37	37	0.9	0.956	1	Yes	No
24512 MARBELLA AVE	53	50	0.9	1.118	1	Yes	No
24512 NEPTUNE AVE	36	36	0.9	0.207	0	No	No
24512 PANAMA AVE	28	27	0.9	0.0279	0	No	No
24512 RAVENNA AVE	46	45	0.9	0.283	0	No	No
24513 NEPTUNE AVE	37	36	0.9	0.247	0	No	No
24513 PANAMA AVE	51	45	0.9	0.232	0	No	No
24513 RAVENNA AVE	30	29	0.9	0.223	0	No	No
24516 MARBELLA AVE	30	28	0.9	0.409	0	No	No
24517 MARBELLA AVE	12	11	0.9	0.335	0	No	No
24518 NEPTUNE AVE	45	45	0.9	0.595	0	No	No
24518 PANAMA AVE	42	15	0.9	0.248	0	No	No
24518 RAVENNA AVE	30	28	0.9	0.208	0	No	No
24519 NEPTUNE AVE	35	35	0.9	0.111	0	No	No
24519 PANAMA AVE	30	29	0.9	0.351	0	No	No
24522 MARBELLA AVE	27	21	0.9	0.208	0	No	No
24522 NEPTUNE AVE	28	26	0.9	0.402	0	No	No
24522 PANAMA AVE	36	13	0.9	0.015	0	No	No
24522 RAVENNA AVE	35	28	0.9	0.212	0	No	No
24523 MARBELLA AVE	45	36	0.9	0.785	0	No	No
24523 NEPTUNE AVE	37	36	0.9	0.507	0	No	No
24523 RAVENNA AVE	17	17	0.9	0.297	0	No	No
24526 MARBELLA AVE	36	23	0.9	0.411	0	No	No
24528 NEPTUNE AVE	31	23	0.9	0.0271	0	No	No
24528 PANAMA AVE	39	34	0.9	0.44	0	No	No
24529 NEPTUNE AVE	32	29	0.9	2.2	1	Yes	No
24529 PANAMA AVE	24	10	0.9	0.0359	0	No	No
24529 RAVENNA AVE	26	20	0.9	0.292	0	No	No
24532 MARBELLA AVE	27	20	0.9	0.273	0	No	No
24532 NEPTUNE AVE	21	12	0.9	0.0285	0	No	No
24532 PANAMA AVE	23	23	0.9	0.923	1	Yes	No
24532 RAVENNA AVE	29	7	0.9	0.0269	0	No	No
24533 MARBELLA AVE	25	21	0.9	0.063	0	No	No
24533 PANAMA AVE	29	25	0.9	0.356	0	No	No
24533 RAVENNA AVE	52	21	0.9	0.0988	0	No	No
24602 MARBELLA AVE	34	33	0.9	0.496	0	No	No
24602 NEPTUNE AVE	33	14	0.9	0.0158	0	No	No
24602 PANAMA AVE	40	37	0.9	1.085	1	Yes	No
24602 RAVENNA AVE	28	11	0.9	0.176	0	No	No
24603 MARBELLA AVE	26	22	0.9	0.769	0	No	No
24603 NEPTUNE AVE	49	35	0.9	0.109	0	No	No
24603 PANAMA AVE	30	24	0.9	0.863	0	No	No
24603 RAVENNA AVE	31	6	0.9	1.168	1	Yes	No
24606 MARBELLA AVE	63	41	0.9	2.382	1	Yes	No

**Table 5-2.10**  
**Summary of Background Analysis for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	BaP-TEQ (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24607 MARBELLA AVE	31	23	0.9	0.207	0	No	No
24608 NEPTUNE AVE	37	16	0.9	0.513	0	No	No
24608 PANAMA AVE	22	20	0.9	1.799	2	Yes	No
24608 RAVENNA AVE	40	31	0.9	1.579	2	Yes	No
24609 NEPTUNE AVE	30	26	0.9	1.449	2	Yes	No
24609 PANAMA AVE	34	32	0.9	0.896	0	No	No
24609 RAVENNA AVE	45	25	0.9	0.0456	0	No	No
24612 MARBELLA AVE	51	35	0.9	0.803	0	No	No
24612 NEPTUNE AVE	47	41	0.9	1.972	8	Yes	Yes
24612 PANAMA AVE	33	30	0.9	1.647	2	Yes	No
24612 RAVENNA AVE	46	37	0.9	0.352	0	No	No
24613 MARBELLA AVE	52	25	0.9	0.135	0	No	No
24613 NEPTUNE AVE	39	37	0.9	0.879	0	No	No
24613 PANAMA AVE	51	51	0.9	6.181	1	Yes	No
24613 RAVENNA AVE	33	20	0.9	0.591	0	No	No
24616 MARBELLA AVE	57	52	0.9	3.037	12	Yes	Yes
24617 MARBELLA AVE	34	10	0.9	0.018	0	No	No
24618 NEPTUNE AVE	26	25	0.9	0.571	0	No	No
24618 PANAMA AVE	28	28	0.9	1.197	2	Yes	No
24618 RAVENNA AVE	40	24	0.9	0.746	0	No	No
24619 NEPTUNE AVE	28	28	0.9	1.822	2	Yes	No
24619 PANAMA AVE	38	38	0.9	0.755	0	No	No
24619 RAVENNA AVE	35	21	0.9	2.496	2	Yes	No
24622 MARBELLA AVE	53	51	0.9	6.891	8	Yes	Yes
24622 NEPTUNE AVE	34	34	0.9	3.304	1	Yes	No
24623 MARBELLA AVE	32	12	0.9	0.106	0	No	No
24623 NEPTUNE AVE	36	36	0.9	4.856	6	Yes	Yes
24627 MARBELLA AVE	48	30	0.9	1.041	1	Yes	No
24628 MARBELLA AVE	52	50	0.9	0.712	0	No	No
24628 NEPTUNE AVE	18	17	0.9	0.342	0	No	No
24629 NEPTUNE AVE	39	36	0.9	0.914	1	Yes	No
24632 NEPTUNE AVE	20	20	0.9	2.497	2	Yes	No
24633 MARBELLA AVE	40	36	0.9	1.551	1	Yes	No
24700 MARBELLA AVE	46	45	0.9	1.099	1	Yes	No
24700 RAVENNA AVE	56	38	0.9	0.444	0	No	No
24702 NEPTUNE AVE	46	46	0.9	1.538	3	Yes	No
24702 PANAMA AVE	30	30	0.9	5.003	4	Yes	No
24703 MARBELLA AVE	36	21	0.9	1.833	1	Yes	No
24703 NEPTUNE AVE	39	37	0.9	0.629	0	No	No
24703 RAVENNA AVE	53	49	0.9	2.722	3	Yes	No
24706 MARBELLA AVE	43	41	0.9	1.428	2	Yes	No
24706 RAVENNA AVE	33	33	0.9	0.888	0	No	No
24707 MARBELLA AVE	37	22	0.9	0.0779	0	No	No
24708 PANAMA AVE	37	37	0.9	1.972	2	Yes	No
24709 NEPTUNE AVE	37	37	0.9	1.531	1	Yes	No
24709 PANAMA AVE	43	42	0.9	7.051	5	Yes	No
24709 RAVENNA AVE	52	47	0.9	3.926	4	Yes	No
24710 MARBELLA AVE	43	37	0.9	2.282	2	Yes	No
24712 NEPTUNE AVE	32	31	0.9	0.992	1	Yes	No
24712 PANAMA AVE	27	27	0.9	1.979	2	Yes	No
24712 RAVENNA AVE	45	44	0.9	1.51	1	Yes	No
24713 MARBELLA AVE	37	26	0.9	0.086	0	No	No
24713 PANAMA AVE	34	34	0.9	2.124	2	Yes	No
24713 RAVENNA AVE	35	25	0.9	2.226	2	Yes	No

**Table 5-2.10**  
**Summary of Background Analysis for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	BaP-TEQ (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24715 NEPTUNE AVE	37	37	0.9	2.31	5	Yes	Yes
24716 MARBELLA AVE	30	23	0.9	0.869	0	No	No
24716 RAVENNA AVE	15	15	0.9	0.313	0	No	No
24717 MARBELLA AVE	38	28	0.9	0.682	0	No	No
24718 NEPTUNE AVE	70	42	0.9	0.475	0	No	No
24718 PANAMA AVE	33	33	0.9	16.09	1	Yes	No
24719 NEPTUNE AVE	33	29	0.9	0.192	0	No	No
24719 PANAMA AVE	28	28	0.9	1.74	1	Yes	No
24719 RAVENNA AVE	45	38	0.9	1.022	2	Yes	No
24722 MARBELLA AVE	34	32	0.9	0.687	0	No	No
24722 NEPTUNE AVE	40	17	0.9	0.0318	0	No	No
24722 PANAMA AVE	18	16	0.9	0.713	0	No	No
24722 RAVENNA AVE	50	47	0.9	0.858	0	No	No
24723 MARBELLA AVE	22	15	0.9	0.404	0	No	No
24723 RAVENNA AVE	37	29	0.9	0.0713	0	No	No
24725 NEPTUNE AVE	35	24	0.9	0.238	0	No	No
24726 MARBELLA AVE	49	38	0.9	0.346	0	No	No
24726 RAVENNA AVE	37	33	0.9	3.954	1	Yes	No
24727 MARBELLA AVE	40	33	0.9	1.765	1	Yes	No
24728 NEPTUNE AVE	33	21	0.9	0.357	0	No	No
24728 PANAMA AVE	31	31	0.9	1.706	1	Yes	No
24729 NEPTUNE AVE	35	22	0.9	0.32	0	No	No
24729 PANAMA AVE	34	33	0.9	0.187	0	No	No
24729 RAVENNA AVE	16	4	0.9	0.013	0	No	No
24732 MARBELLA AVE	37	27	0.9	0.406	0	No	No
24732 NEPTUNE AVE	35	23	0.9	1.852	1	Yes	No
24732 PANAMA AVE	33	27	0.9	0.498	0	No	No
24732 RAVENNA AVE	42	38	0.9	0.273	0	No	No
24733 MARBELLA AVE	32	21	0.9	0.12	0	No	No
24733 PANAMA AVE	38	38	0.9	1.98	2	Yes	No
24733 RAVENNA AVE	40	31	0.9	0.198	0	No	No
24735 NEPTUNE AVE	36	34	0.9	0.656	0	No	No
24736 MARBELLA AVE	52	43	0.9	0.149	0	No	No
24736 RAVENNA AVE	43	39	0.9	1.032	1	Yes	No
24737 MARBELLA AVE	28	23	0.9	0.586	0	No	No
24738 NEPTUNE AVE	51	40	0.9	2.263	3	Yes	No
24738 PANAMA AVE	32	30	0.9	2.037	2	Yes	No
24739 NEPTUNE AVE	41	38	0.9	0.415	0	No	No
24739 PANAMA AVE	43	38	0.9	0.525	0	No	No
24739 RAVENNA AVE	42	37	0.9	1.43	5	Yes	No
24740 MARBELLA AVE	64	45	0.9	1.185	1	Yes	No
24741 MARBELLA AVE	12	11	0.9	0.0717	0	No	No
24743 RAVENNA AVE	47	47	0.9	1.455	3	Yes	No
24744 MARBELLA AVE	25	20	0.9	0.492	0	No	No
24748 RAVENNA AVE	24	23	0.9	0.905	1	Yes	No
24749 RAVENNA AVE	43	43	0.9	1.1	1	Yes	No
24752 RAVENNA AVE	45	44	0.9	1.521	1	Yes	No
24802 PANAMA AVE	47	45	0.9	0.775	0	No	No
24803 NEPTUNE AVE	32	31	0.9	0.23	0	No	No
24803 PANAMA AVE	18	14	0.9	0.849	0	No	No
24809 NEPTUNE AVE	27	27	0.9	1.659	1	Yes	No
24809 PANAMA AVE	36	34	0.9	0.55	0	No	No
24812 PANAMA AVE	29	23	0.9	0.331	0	No	No
24813 PANAMA AVE	15	15	0.9	0.609	0	No	No

**Table 5-2.10**  
**Summary of Background Analysis for BaP-TEQ**  
Former Kast Property  
Carson, CA

Location ID	BaP-TEQ (0 to 10 ft)						
	Number of Samples	Number of Detects	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of BTV Exceedances	(Point by Point Comparison) Is Site > Background?	(1-Sample Proportion Test) Is Site > Background?
24815 NEPTUNE AVE	30	28	0.9	0.628	0	No	No
24818 PANAMA AVE	34	32	0.9	15.22	2	Yes	No
24819 PANAMA AVE	34	34	0.9	0.661	0	No	No
24822 PANAMA AVE	43	41	0.9	0.448	0	No	No
24823 PANAMA AVE	39	39	0.9	0.937	1	Yes	No
24825 NEPTUNE AVE	98	83	0.9	0.287	0	No	No
24828 PANAMA AVE	36	35	0.9	2.862	3	Yes	No
24829 PANAMA AVE	48	48	0.9	1.036	1	Yes	No
24832 PANAMA AVE	38	37	0.9	0.8	0	No	No
24833 PANAMA AVE	43	38	0.9	1.254	1	Yes	No
24838 PANAMA AVE	28	26	0.9	0.871	0	No	No
24904 NEPTUNE AVE	74	74	0.9	0.652	0	No	No
24912 NEPTUNE AVE	36	35	0.9	0.314	0	No	No
301 244TH ST	29	20	0.9	0.212	0	No	No
305 244TH ST	54	33	0.9	8.597	5	Yes	No
311 244TH ST	71	63	0.9	33.31	13	Yes	Yes
317 244TH ST	58	41	0.9	13.07	4	Yes	No
321 244TH ST	40	27	0.9	0.0578	0	No	No
327 244TH ST	12	6	0.9	0.0132	0	No	No
331 244TH ST	28	6	0.9	0.0519	0	No	No
337 244TH ST	34	18	0.9	0.0548	0	No	No
341 244TH ST	48	28	0.9	0.0714	0	No	No
344 249TH ST	35	35	0.9	0.542	0	No	No
345 249TH ST	93	86	0.9	2.431	3	Yes	No
347 244TH ST	32	18	0.9	0.0357	0	No	No
348 248TH ST	49	45	0.9	4.123	2	Yes	No
348 249TH ST	51	51	0.9	0.424	0	No	No
351 244TH ST	32	22	0.9	0.488	0	No	No
352 249TH ST	32	31	0.9	0.899	0	No	No
353 249TH ST	32	31	0.9	0.466	0	No	No
354 248TH ST	39	39	0.9	1.271	3	Yes	No
357 244TH ST	40	19	0.9	0.0643	0	No	No
357 249TH ST	24	23	0.9	1.449	1	Yes	No
358 249TH ST	43	38	0.9	0.416	0	No	No
360 248TH ST	48	46	0.9	0.448	0	No	No
361 244TH ST	23	14	0.9	0.0452	0	No	No
362 249TH ST	25	19	0.9	0.0862	0	No	No
363 249TH ST	27	27	0.9	2.198	1	Yes	No
364 248TH ST	49	49	0.9	0.735	0	No	No
367 244TH ST	13	13	0.9	0.691	0	No	No
367 249TH ST	46	46	0.9	1.128	2	Yes	No
368 249TH ST	55	54	0.9	7.213	3	Yes	No
373 249TH ST	42	42	0.9	0.664	0	No	No
374 248TH ST	120	120	0.9	22.3	6	Yes	No
374 249TH ST	27	26	0.9	0.46	0	No	No
377 244TH ST	32	19	0.9	0.203	0	No	No
377 249TH ST	33	33	0.9	0.718	0	No	No
378 249TH ST	41	37	0.9	0.456	0	No	No
383 249TH ST	32	32	0.9	3.06	2	Yes	No
402 249TH ST	32	31	0.9	0.547	0	No	No
408 249TH ST	24	21	0.9	0.239	0	No	No
412 249TH ST	77	71	0.9	16.19	1	Yes	No

**Table 5-3.1**  
**Summary of Detailed Background Evaluation for Antimony**  
Former Kast Property  
Carson, CA

Location	Antimony (0 to 10 ft)								
	Number of Samples	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of Exceedances	1-Sample Proportion Test Is Site > Background?	Coefficient of Variation	Fits Normal or Lognormal Distribution?	Break Pt/ Inflection	Conclusion Is Site > Background?
24401 MARBELLA AVE	33	0.74	1.14	6	Yes	0.44	Lognormal	No	No
24402 PANAMA AVE	127	0.74	2.1	84	Yes	0.42	Lognormal	No	No
24403 NEPTUNE AVE	46	0.74	1.99	34	Yes	0.38	Lognormal	No	No
24406 NEPTUNE AVE	28	0.74	1.7	8	Yes	0.30	Lognormal	No	No
24406 PANAMA AVE	23	0.74	4.3	4	Yes	0.25	Lognormal	No	No
24409 NEPTUNE AVE	24	0.74	2.07	4	Yes	0.69	Lognormal	No	No
24411 MARBELLA AVE	69	0.74	3.58	45	Yes	0.40	Lognormal	No	No
24413 RAVENNA AVE	28	0.74	1.56	15	Yes	0.33	Lognormal	No	No
24416 PANAMA AVE	33	0.74	2.26	22	Yes	0.34	Lognormal	No	No
24419 RAVENNA AVE	32	0.74	1.55	14	Yes	0.33	Lognormal	No	No
24422 NEPTUNE AVE	36	0.74	1.91	17	Yes	0.43	Lognormal	No	No
24426 RAVENNA AVE	49	0.74	2.4	22	Yes	0.40	Lognormal	No	No
24502 PANAMA AVE	48	0.74	3.35	22	Yes	0.53	Lognormal	No	No
24503 NEPTUNE AVE	60	0.74	1.75	13	Yes	0.43	Lognormal	No	No
24512 RAVENNA AVE	46	0.74	1.24	10	Yes	0.23	Lognormal	No	No
24513 RAVENNA AVE	30	0.74	2.67	13	Yes	0.64	Lognormal	No	No
24517 MARBELLA AVE	12	0.74	1.1	4	Yes	0.37	Lognormal	No	No
24518 PANAMA AVE	42	0.74	2.69	8	Yes	0.16	Lognormal	No	No
24518 RAVENNA AVE	30	0.74	2.08	9	Yes	0.54	Lognormal	No	No
24523 MARBELLA AVE	45	0.74	1.25	9	Yes	0.36	Lognormal	No	No
24523 RAVENNA AVE	17	0.74	1.74	4	Yes	0.55	Lognormal	No	No
24532 RAVENNA AVE	29	0.74	2.09	5	Yes	0.52	Lognormal	No	No
24602 MARBELLA AVE	34	0.74	1.31	7	Yes	0.36	Lognormal	No	No
24602 PANAMA AVE	40	0.74	1.49	8	Yes	0.31	Lognormal	No	No
24603 NEPTUNE AVE	49	0.74	1.08	7	Yes	0.27	Lognormal	No	No
24606 MARBELLA AVE	63	0.74	1.47	9	Yes	0.35	Lognormal	No	No
24608 NEPTUNE AVE	37	0.74	1.03	6	Yes	0.34	Lognormal	No	No
24608 RAVENNA AVE	40	0.74	1.64	5	Yes	0.50	Lognormal	No	No
24609 NEPTUNE AVE	30	0.74	1.76	12	Yes	0.43	Lognormal	No	No
24609 RAVENNA AVE	45	0.74	0.94	6	Yes	0.36	Lognormal	No	No
24612 NEPTUNE AVE	47	0.74	1.13	7	Yes	0.41	Lognormal	No	No
24627 MARBELLA AVE	48	0.74	3.23	11	Yes	0.60	Lognormal	No	No
24629 NEPTUNE AVE	39	0.74	1.95	8	Yes	0.54	Lognormal	No	No
24632 NEPTUNE AVE	20	0.74	1.97	8	Yes	0.54	Lognormal	No	No
24706 MARBELLA AVE	43	0.74	1.13	7	Yes	0.40	Lognormal	No	No
24715 NEPTUNE AVE	37	0.74	1.4	5	Yes	0.47	Lognormal	No	No
24718 NEPTUNE AVE	65	0.74	2.55	9	Yes	0.64	No	Yes	Yes
24726 MARBELLA AVE	49	0.74	2.66	17	Yes	0.65	Lognormal	No	No
24735 NEPTUNE AVE	36	0.74	1.66	7	Yes	0.39	Lognormal	No	No
24749 RAVENNA AVE	43	0.74	1.63	20	Yes	0.39	Lognormal	No	No
24812 PANAMA AVE	29	0.74	1.21	5	Yes	0.43	Lognormal	No	No
24815 NEPTUNE AVE	30	0.74	2.49	14	Yes	0.45	Lognormal	No	No
321 244TH ST	40	0.74	1.78	6	Yes	0.43	Lognormal	No	No
344 249TH ST	35	0.74	1.05	10	Yes	0.26	Lognormal	No	No
357 244TH ST	40	0.74	1.24	5	Yes	0.46	Lognormal	No	No
378 249TH ST	41	0.74	0.82	8	Yes	0.27	Lognormal	No	No

**Table 5-3.2**  
**Summary of Detailed Background Evaluation for Arsenic**  
Former Kast Property  
Carson, CA

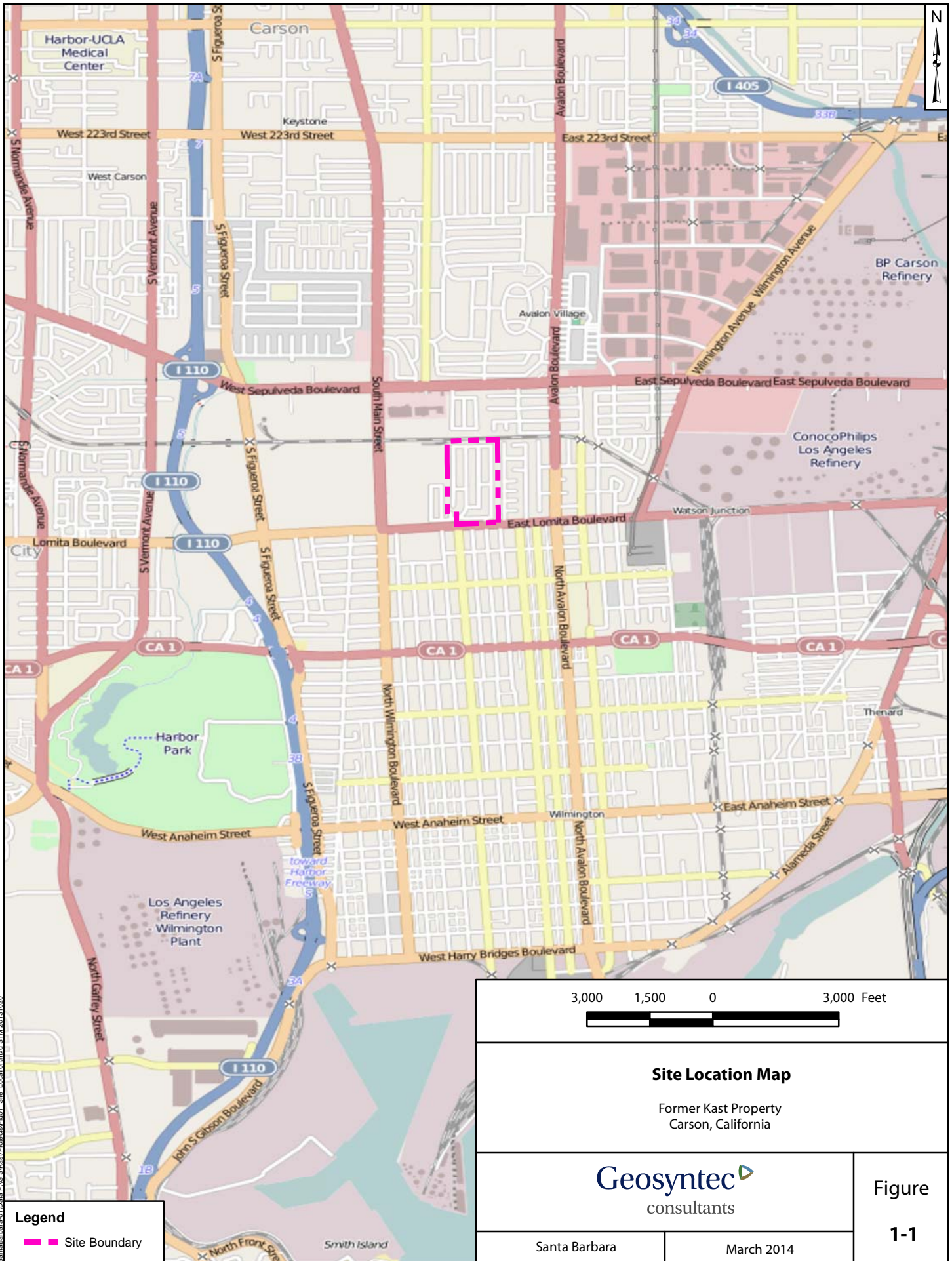
Location	Arsenic (0 to 10 ft)								
	Number of Samples	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of Exceedances	1-Sample Proportion Test Is Site > Background	Coefficient of Variation	Fits Normal or Lognormal Distribution?	Break Pt/ Inflection	Conclusion Is Site > Background
24403 NEPTUNE AVE	46	12	18.7	8	Yes	0.43	Lognormal	No	No
24411 PANAMA AVE	37	12	43.6	5	Yes	0.79	No	Yes	Yes
24417 MARBELLA AVE	8	12	24.6	4	Yes	0.50	Lognormal	No	No
24506 MARBELLA AVE	36	12	28.8	6	Yes	0.55	Lognormal	No	No
24522 MARBELLA AVE	27	12	19	8	Yes	0.58	Lognormal	No	No
24613 MARBELLA AVE	52	12	35.4	11	Yes	0.64	No	Yes	Yes
24613 NEPTUNE AVE	39	12	15.2	5	Yes	0.51	Lognormal	No	No
24617 MARBELLA AVE	34	12	17.2	6	Yes	0.39	Lognormal	No	No
24622 MARBELLA AVE	53	12	28.4	6	Yes	0.64	No	Yes	Yes
24623 NEPTUNE AVE	36	12	16	7	Yes	0.36	Lognormal	No	No
24628 MARBELLA AVE	52	12	25.6	8	Yes	0.61	Lognormal	Yes	No
305 244TH ST	54	12	28.2	9	Yes	0.64	Lognormal	No	No
321 244TH ST	40	12	50.9	6	Yes	0.89	No	Yes	Yes
331 244TH ST	28	12	62.9	6	Yes	1.13	No	Yes	Yes
337 244TH ST	34	12	19.3	5	Yes	0.53	Lognormal	No	No



**Table 5-3.3**  
**Summary of Detailed Background Evaluation for Thallium**  
Former Kast Property  
Carson, CA

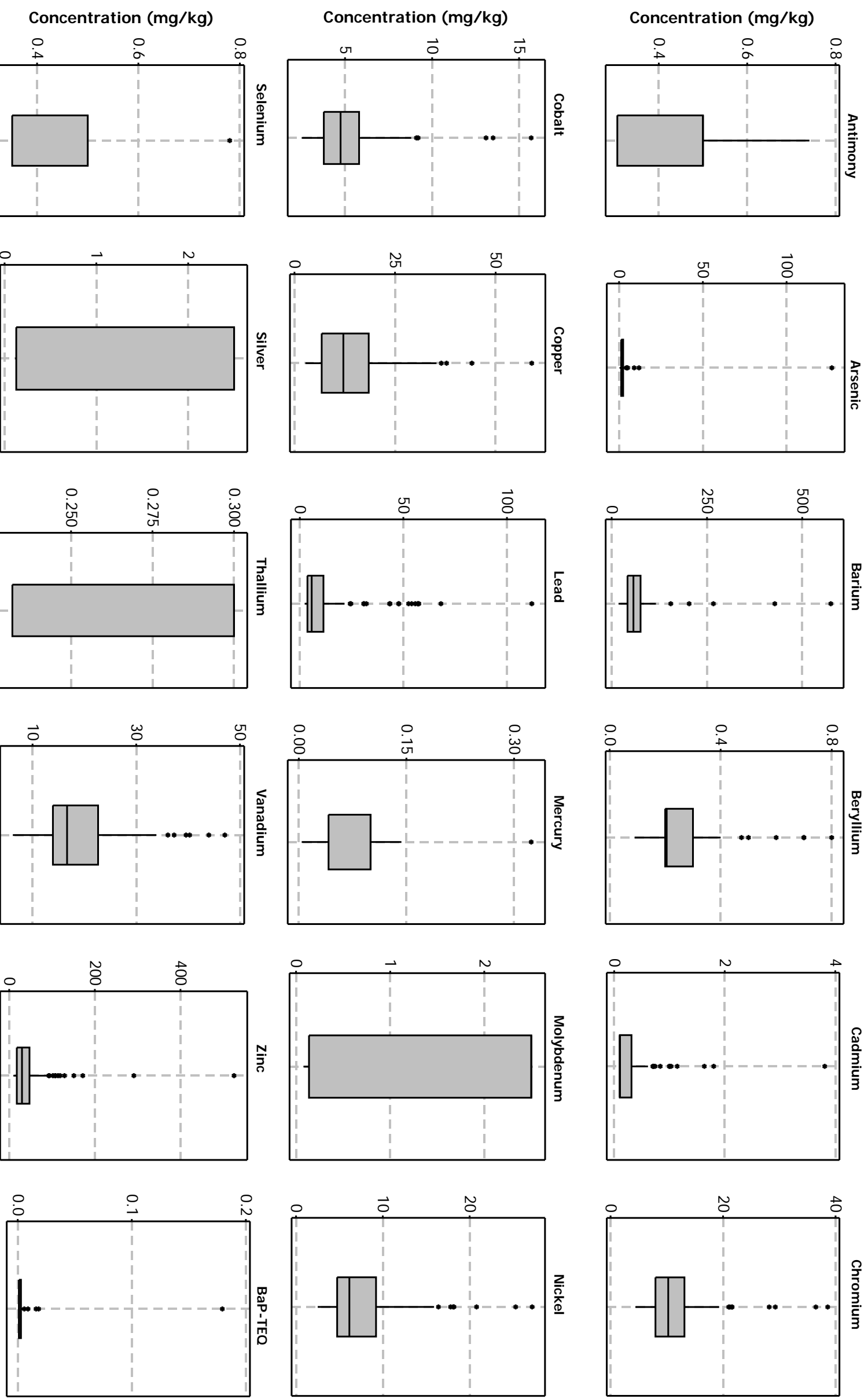
Location	Thallium (0 to 10 ft)								
	Number of Samples	BTV (mg/kg)	Maximum Detected Value (mg/kg)	Number of Exceedances	1-Sample Proportion Test Is Site > Background?	Coefficient of Variation	Fits Normal or Lognormal Distribution?	Break Pt/ Inflection	Conclusion Is Site > Background?
24402 PANAMA AVE	127	0.23	0.74	12	Yes	0.33	Lognormal	No	No
24411 PANAMA AVE	37	0.23	1.06	10	Yes	0.61	Lognormal	No	No
24506 MARBELLA AVE	36	0.23	0.61	14	Yes	0.31	Lognormal	No	No
24529 NEPTUNE AVE	32	0.23	0.84	17	Yes	0.48	Lognormal	No	No
24603 MARBELLA AVE	26	0.23	0.98	5	Yes	0.74	Lognormal	No	No
24603 RAVENNA AVE	31	0.23	3.47	21	Yes	0.71	No	Yes	Yes
24608 PANAMA AVE	22	0.23	2.52	14	Yes	0.68	No	Yes	Yes
24612 NEPTUNE AVE	47	0.23	0.58	17	Yes	0.39	Lognormal	No	No
24617 MARBELLA AVE	34	0.23	1.2	21	Yes	0.60	No	Yes	Yes
24707 MARBELLA AVE	37	0.23	0.54	9	Yes	0.28	Lognormal	No	No
24713 PANAMA AVE	34	0.23	0.36	6	Yes	0.13	Lognormal	No	No
24716 MARBELLA AVE	30	0.23	0.78	13	Yes	0.48	Lognormal	No	No
24722 MARBELLA AVE	34	0.23	0.42	14	Yes	0.20	Lognormal	No	No
24733 MARBELLA AVE	32	0.23	0.83	6	Yes	0.46	Lognormal	No	No
24733 RAVENNA AVE	40	0.23	0.47	5	Yes	0.17	No	Yes	Yes
24735 NEPTUNE AVE	36	0.23	0.57	28	Yes	0.29	Normal	No	No
341 244TH ST	48	0.23	0.57	9	Yes	0.34	Lognormal	No	No
345 249TH ST	93	0.23	3.47	43	Yes	0.94	Normal	No	No
361 244TH ST	23	0.23	0.76	6	Yes	0.62	Lognormal	No	No
412 249TH ST	77	0.23	3.17	64	Yes	0.74	Lognormal	No	No

**FIGURES**

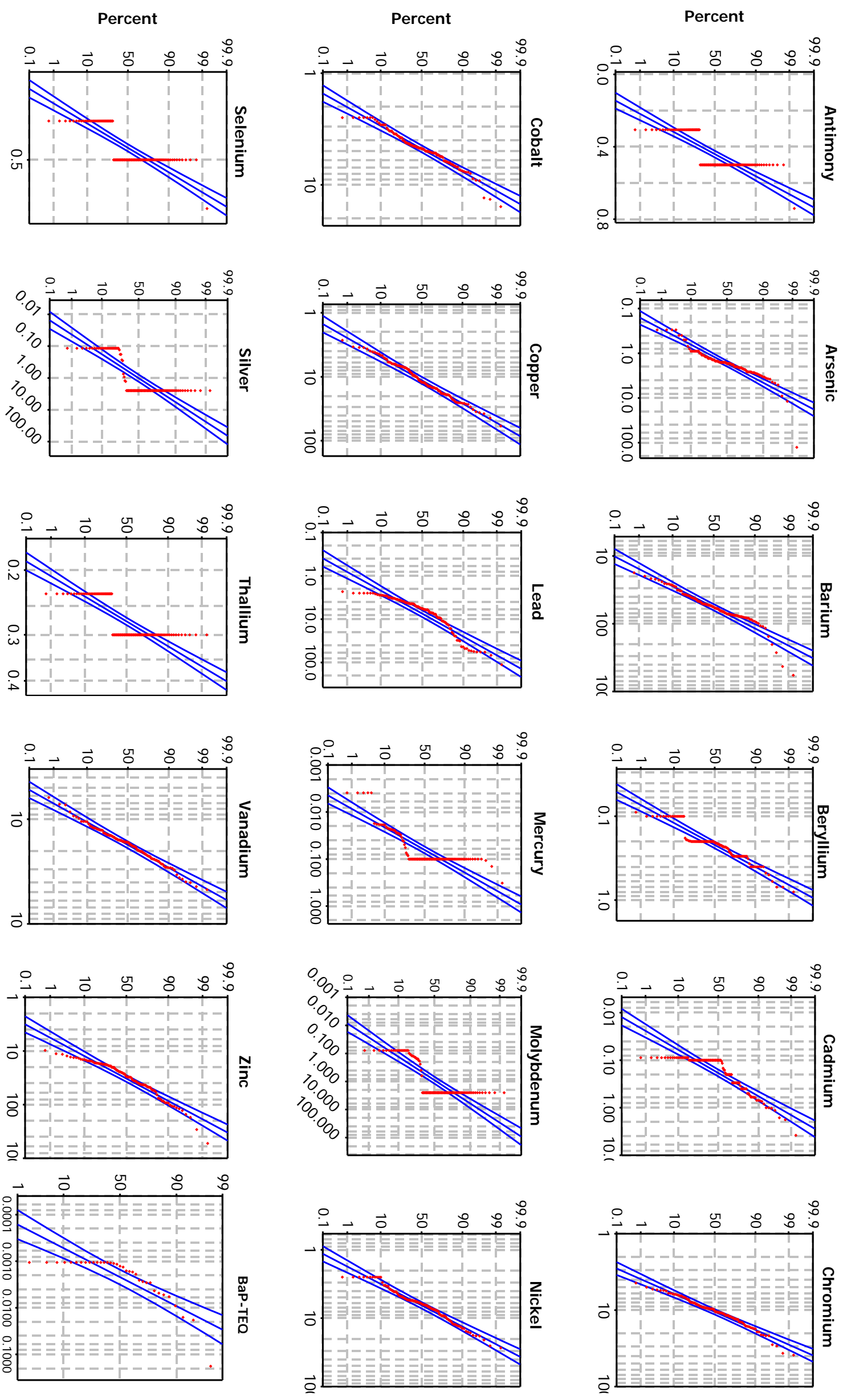


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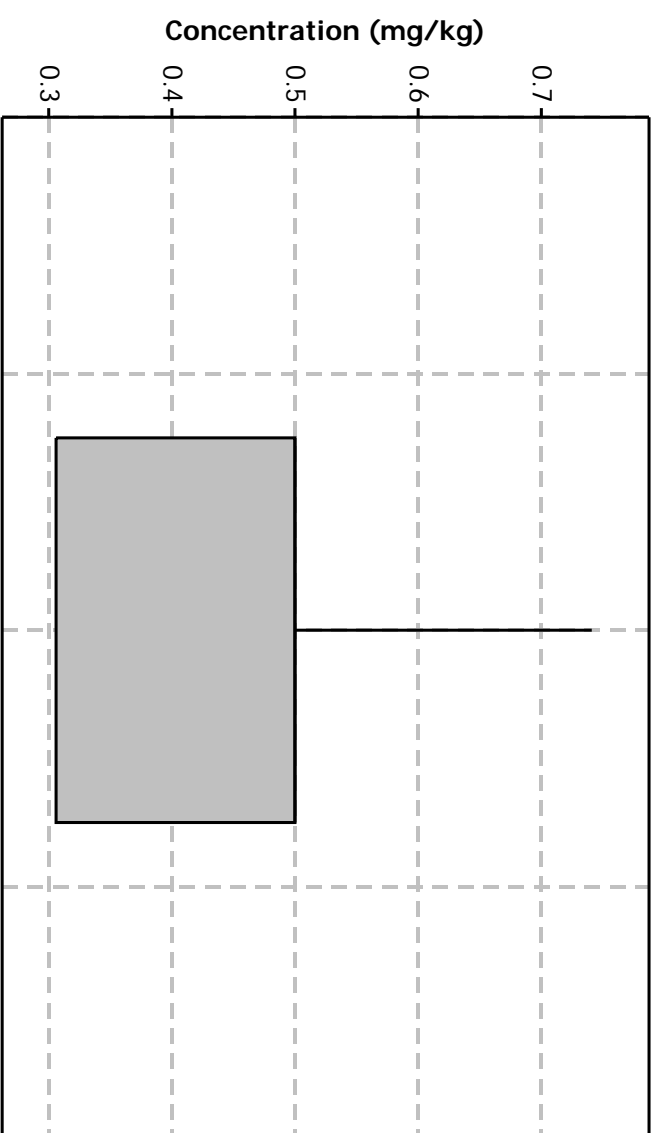
**Figure 3-1: Box Plots of Metals and cPAH Background Datasets**



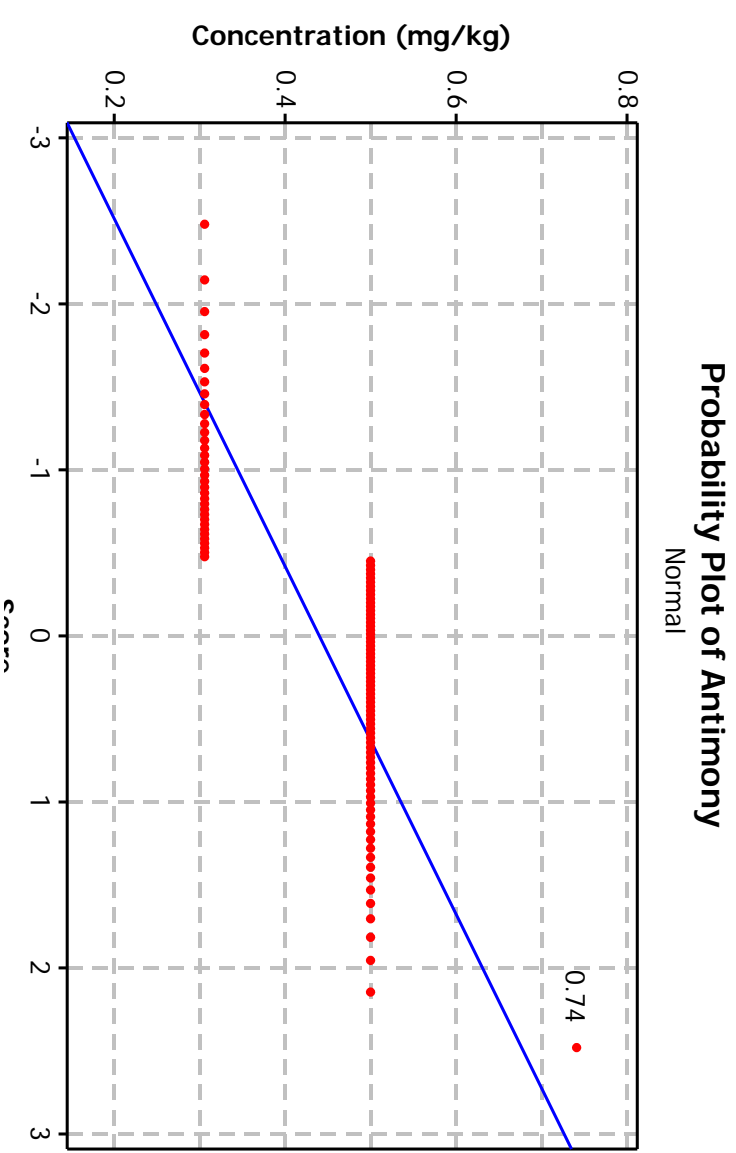
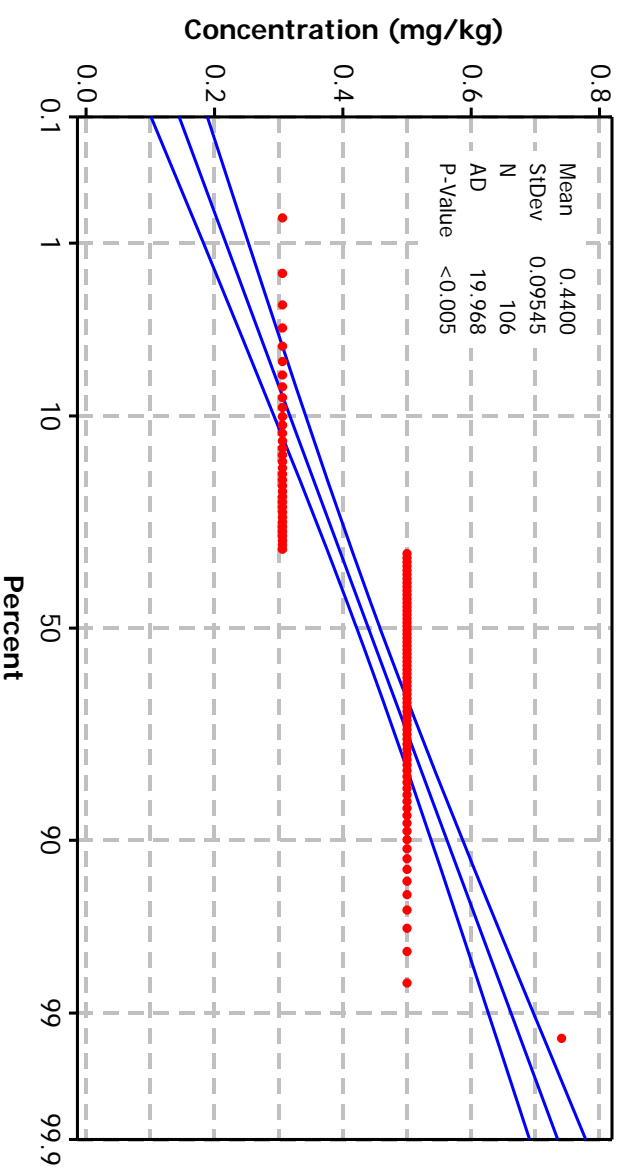
**Figure 3-2: Probability Plots of Metals and cPAH Background Datasets**



**Figure 3-3.1: Antimony Outlier Evaluation**

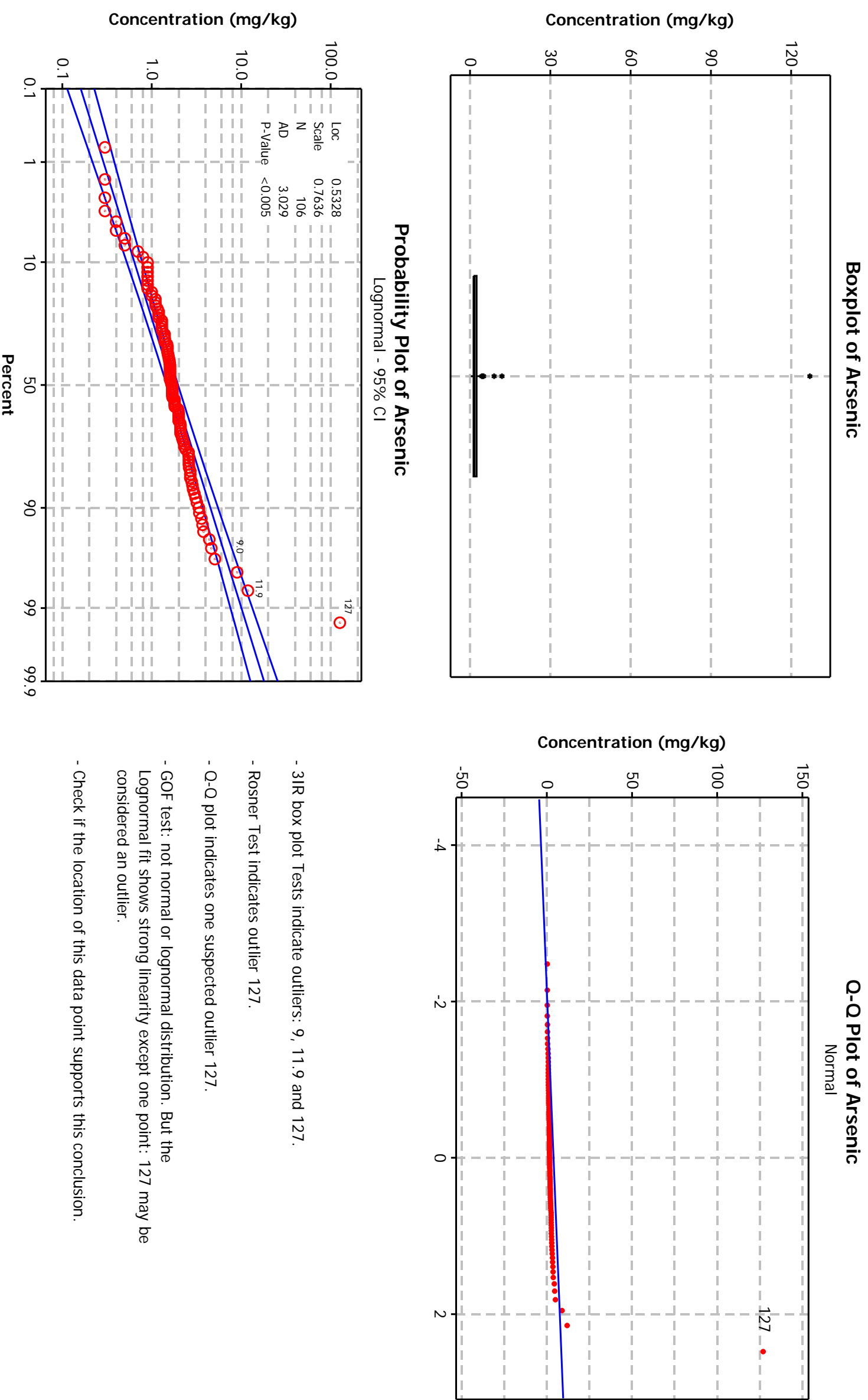


**Probability Plot of Antimony**  
Normal - 95% CI



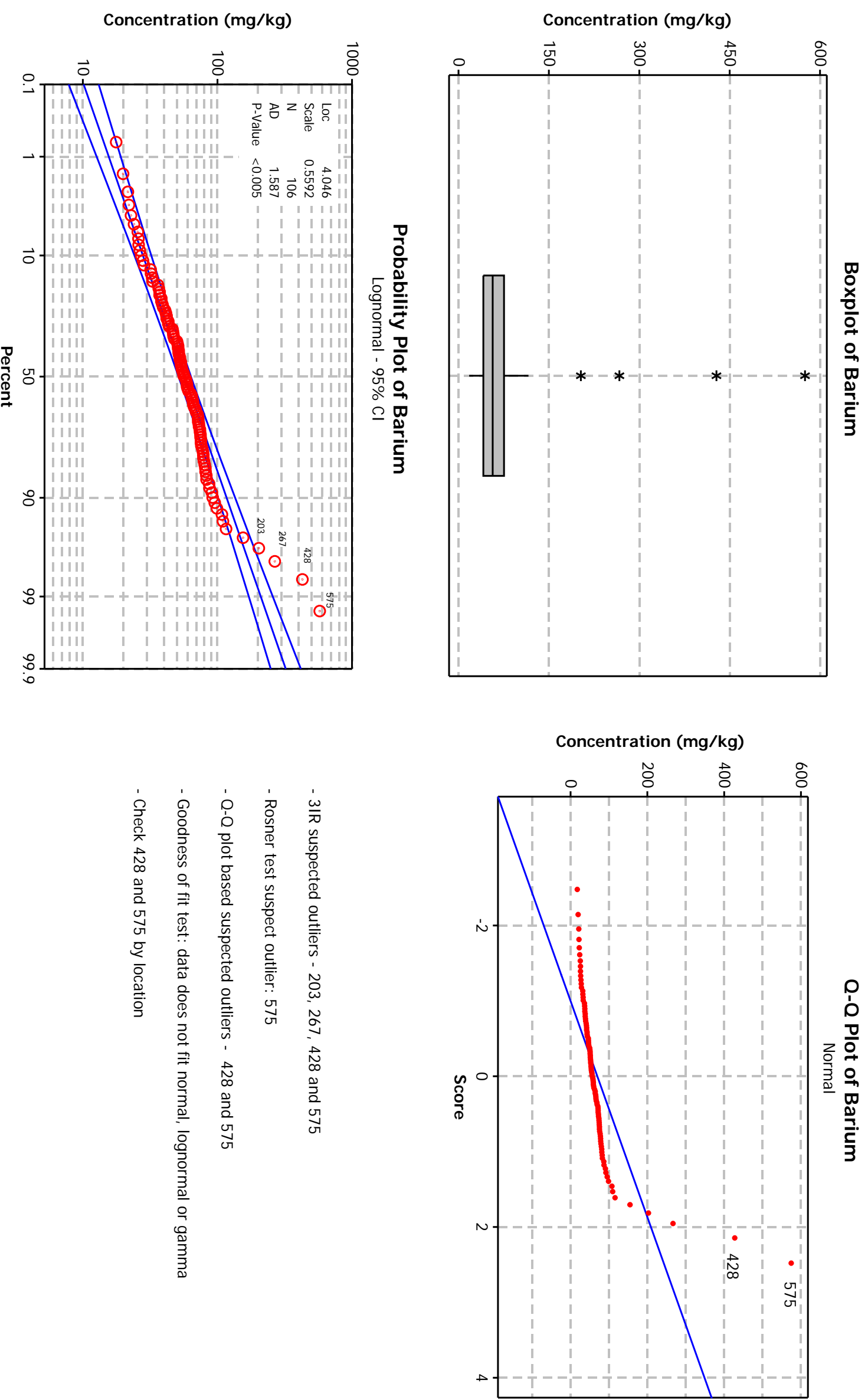
- Note: Samples 99% ND (only 1 sample detected)
- No reliable statistical tests
- No samples were eliminated as outliers

**Figure 3-3.2: Arsenic Outlier Evaluation**



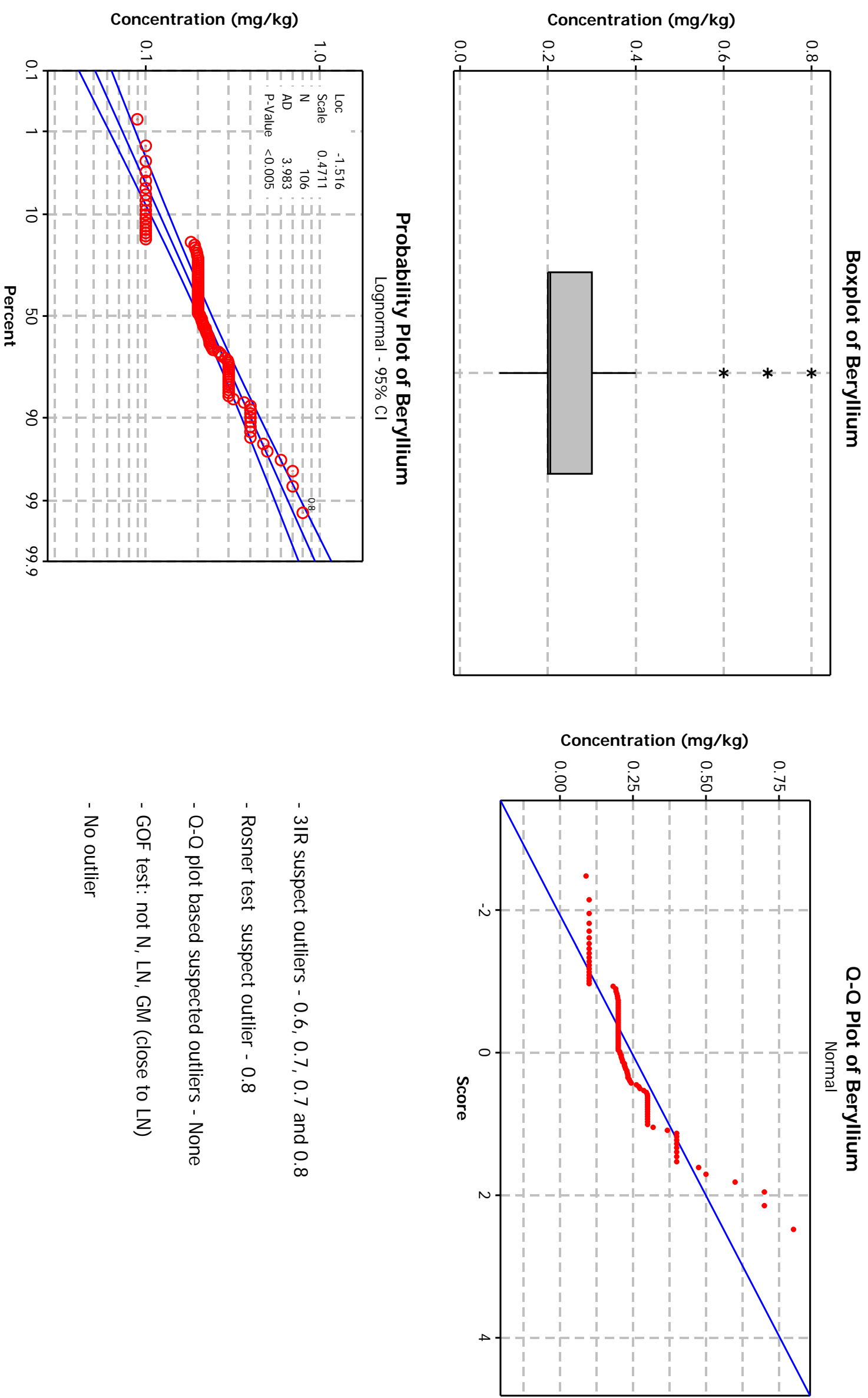
- 3IR box plot Tests indicate outliers: 9, 11.9 and 127.
- Rosner Test indicates outlier 127.
- Q-Q plot indicates one suspected outlier 127.
- GOF test: not normal or lognormal distribution. But the Lognormal fit shows strong linearity except one point: 127 may be considered an outlier.
- Check if the location of this data point supports this conclusion.

**Figure 3-3.3: Barium Outlier Evaluation**

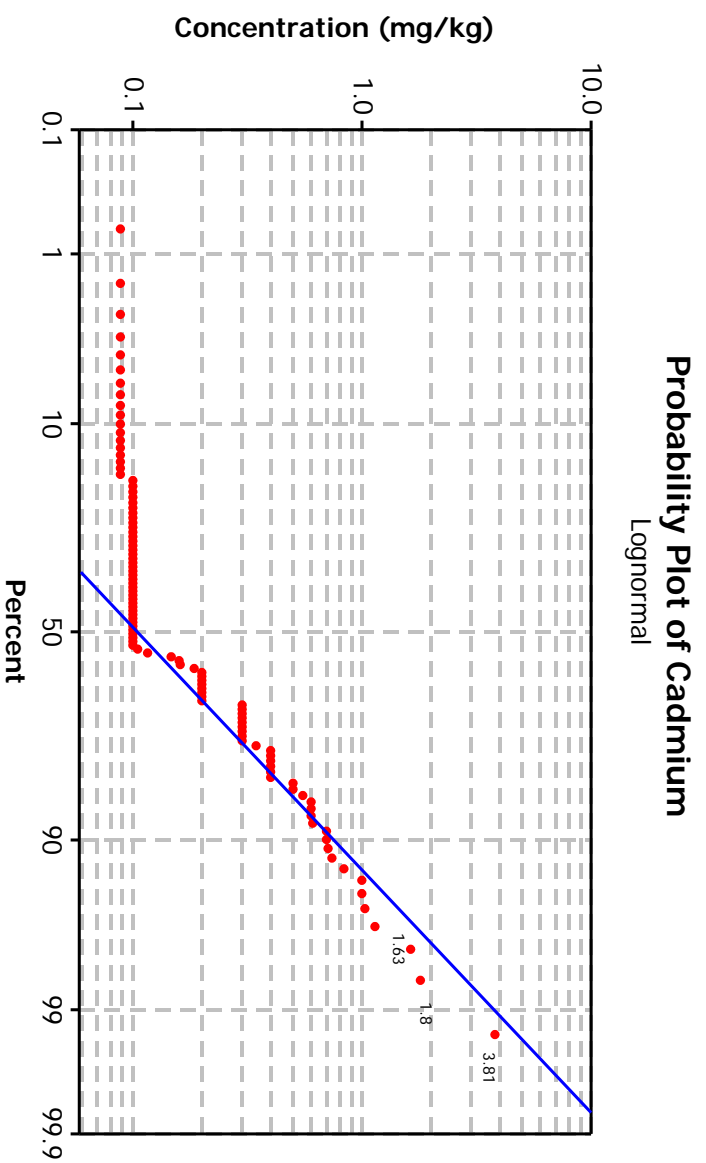
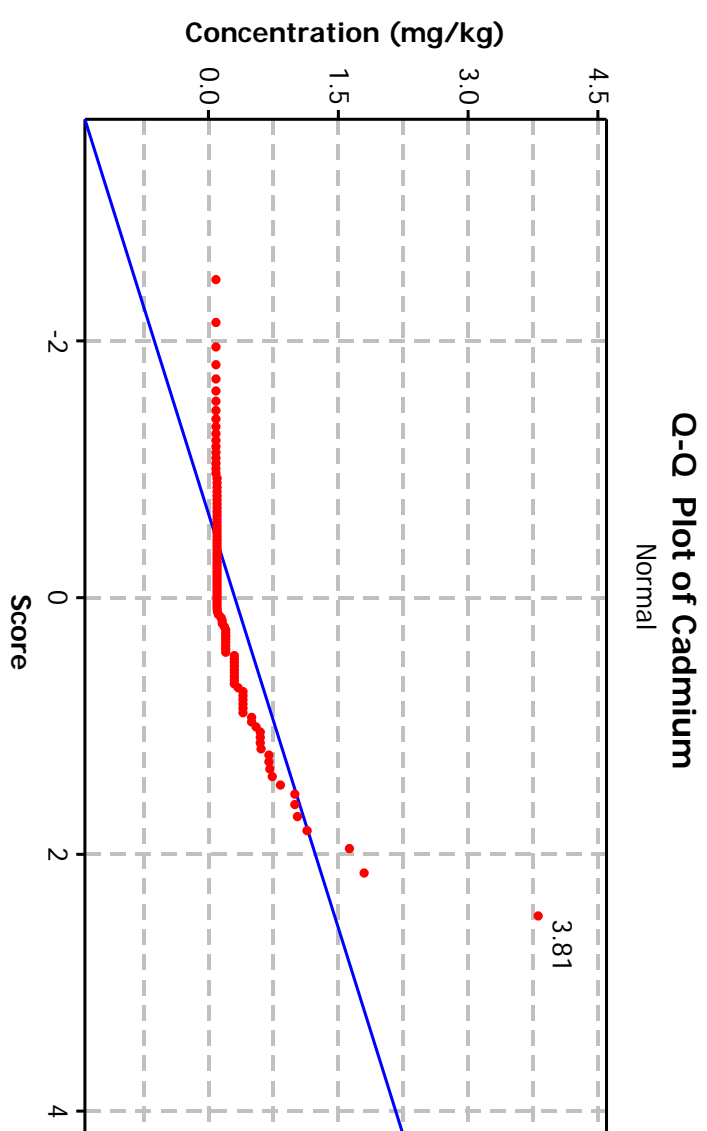
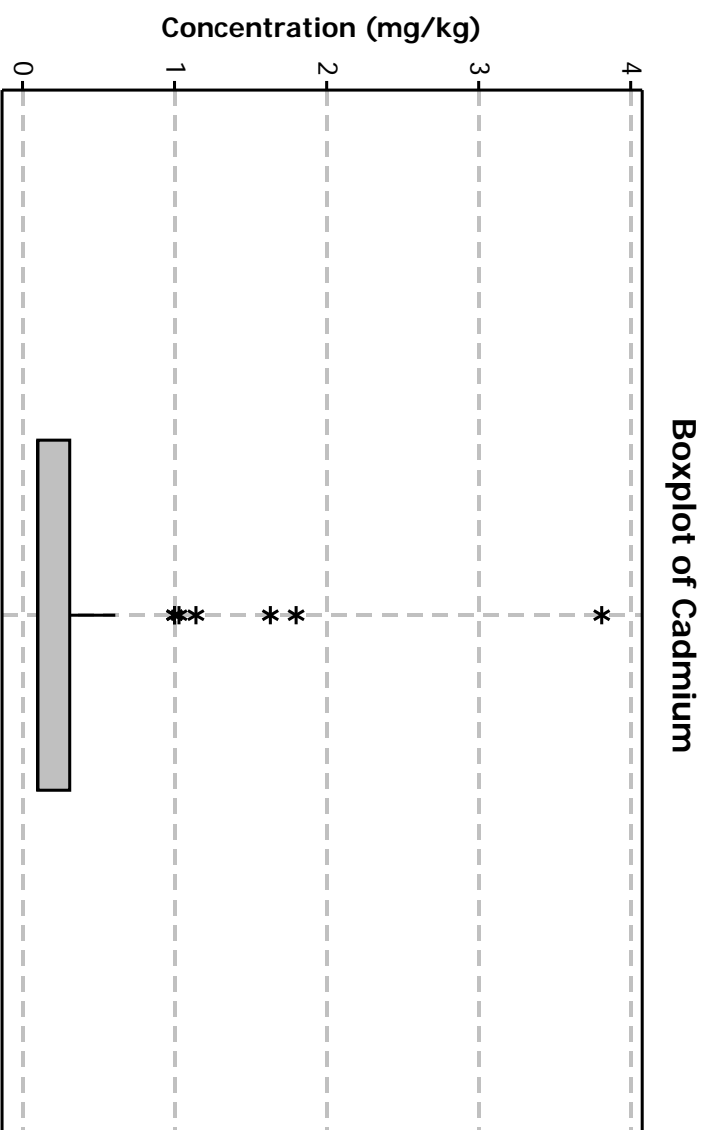




**Figure 3-3.4: Beryllium Outlier Evaluation**

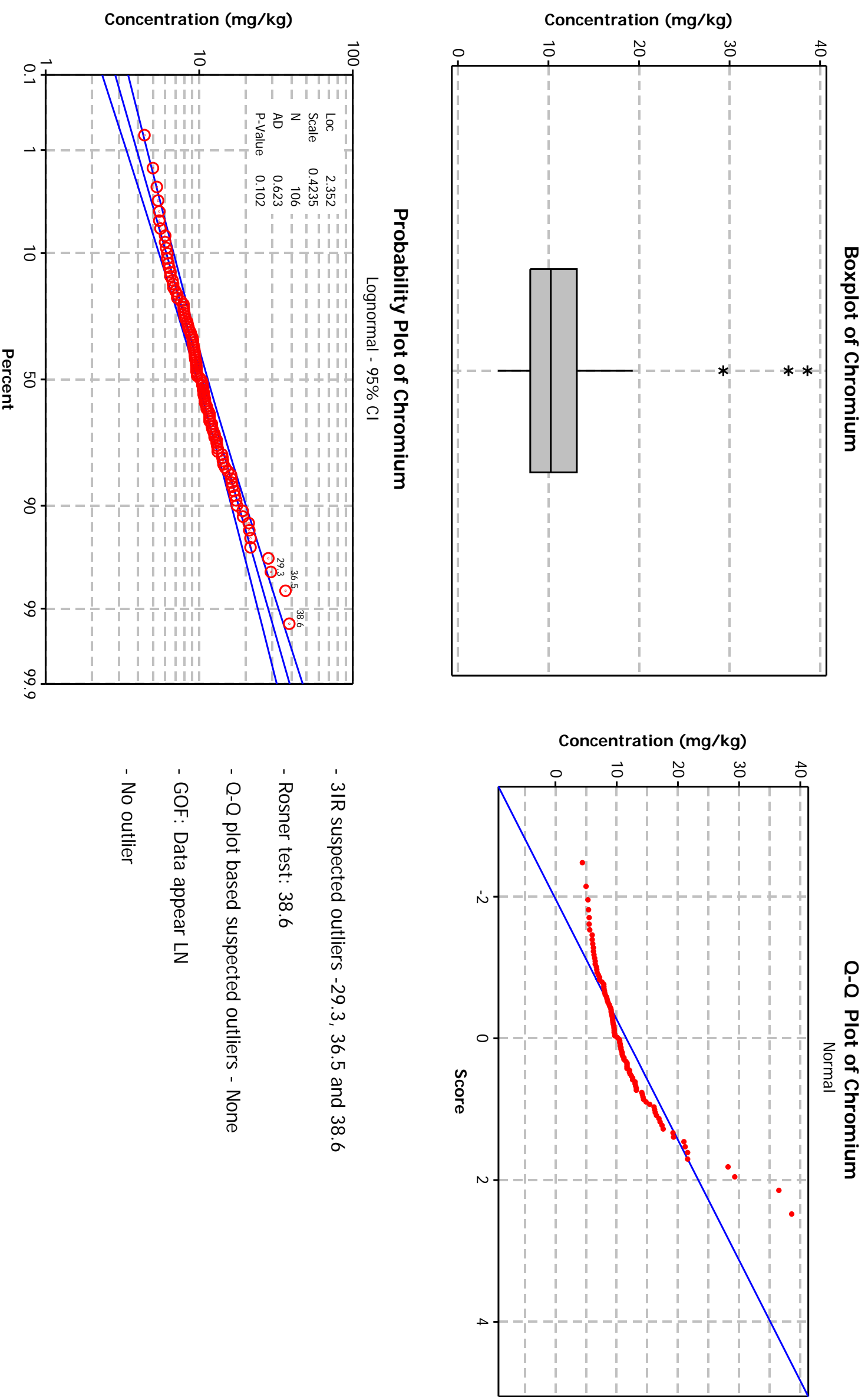


### Figure 3-3.5: Cadmium Outlier Evaluation

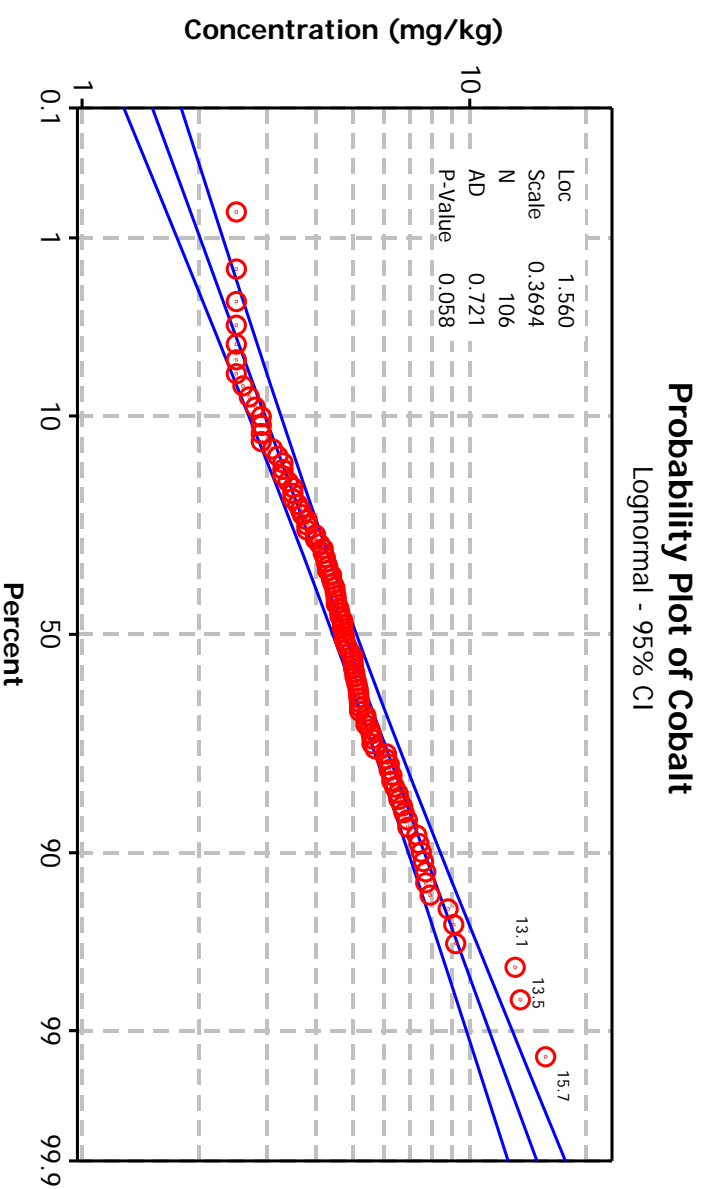
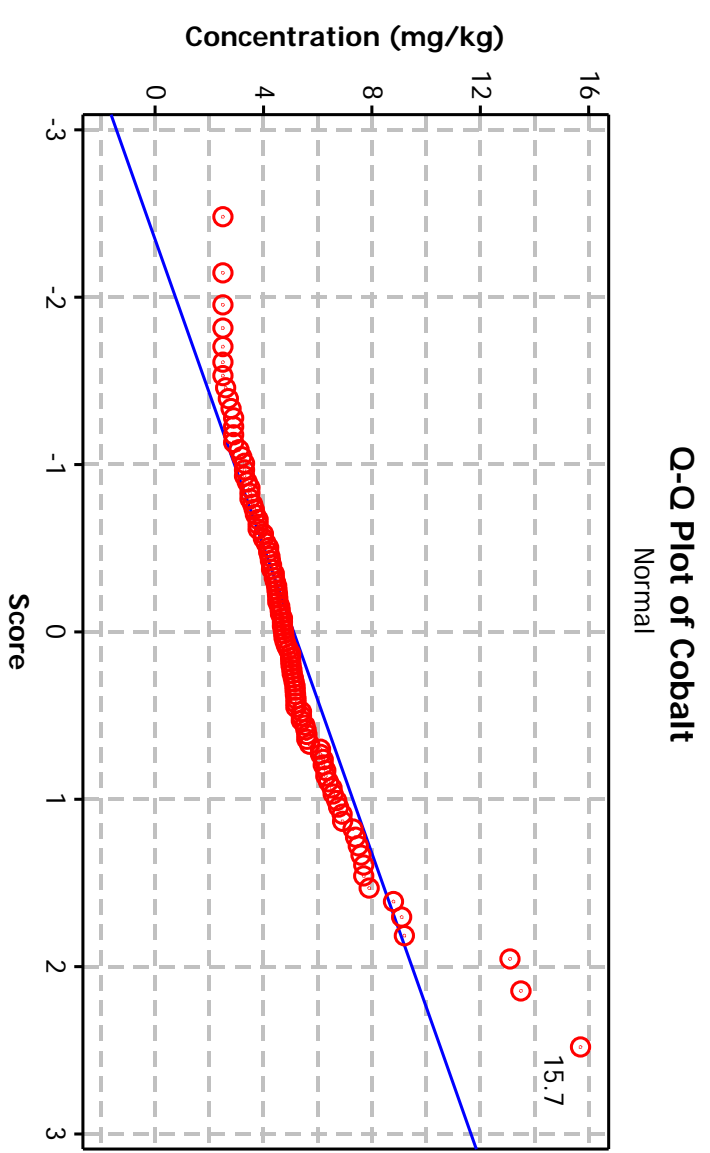
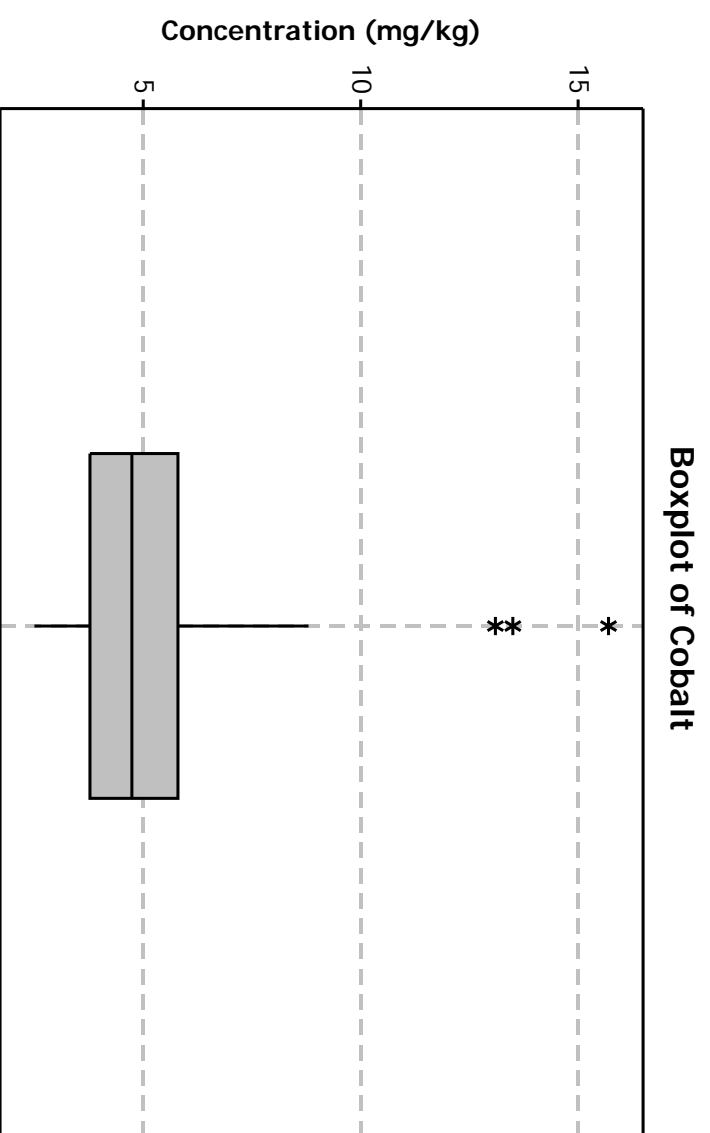


- 3IR suspected outliers - 1.0 to 3.81
- Rosner test outlier - 3.81
- O-Q plot based suspected outliers - 3.81
- GOF test: Data appear LN
- No outlier

**Figure 3-3.6: Chromium Outlier Evaluation**

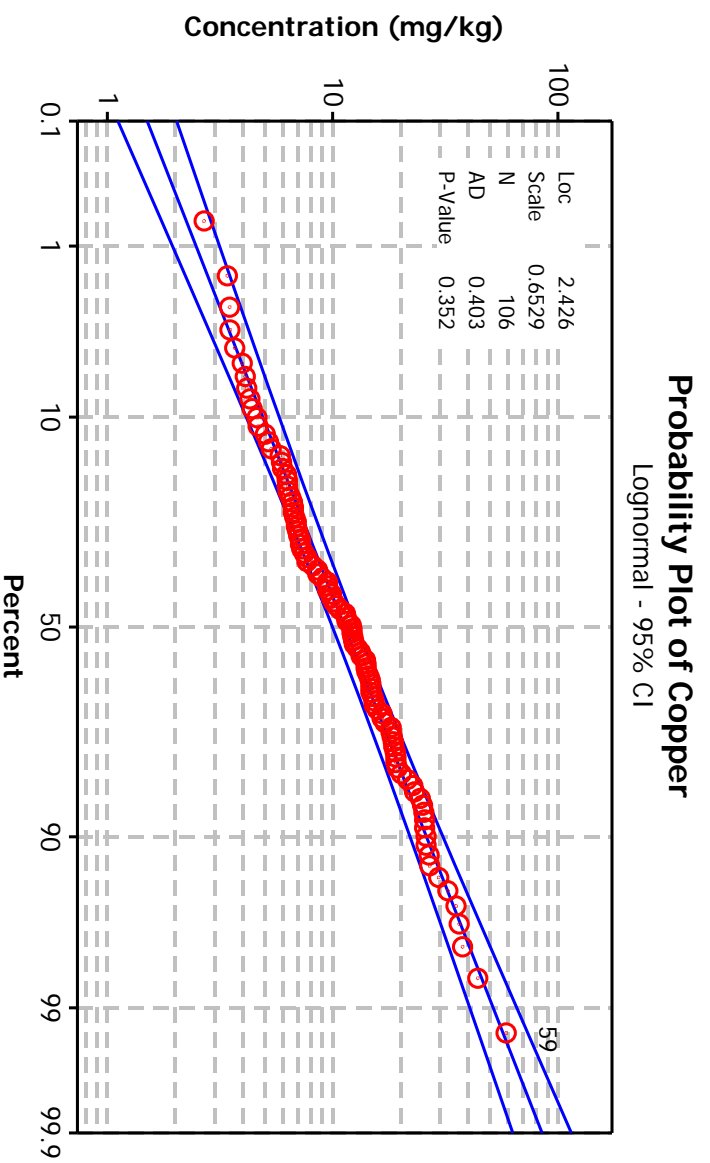
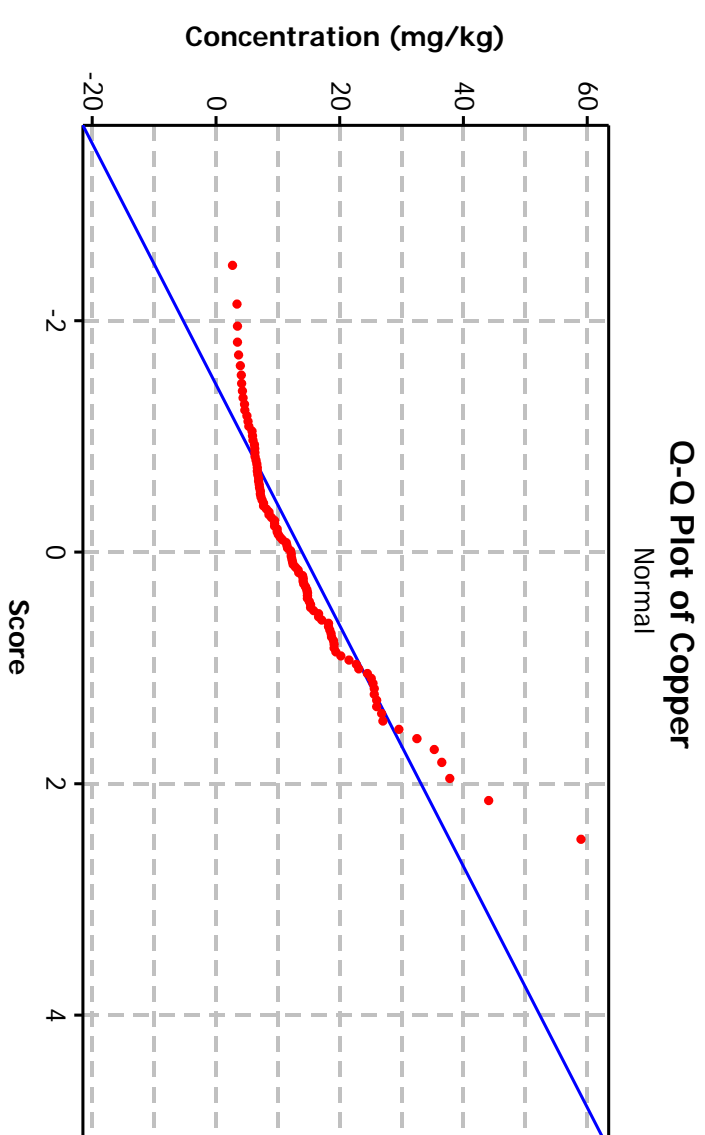
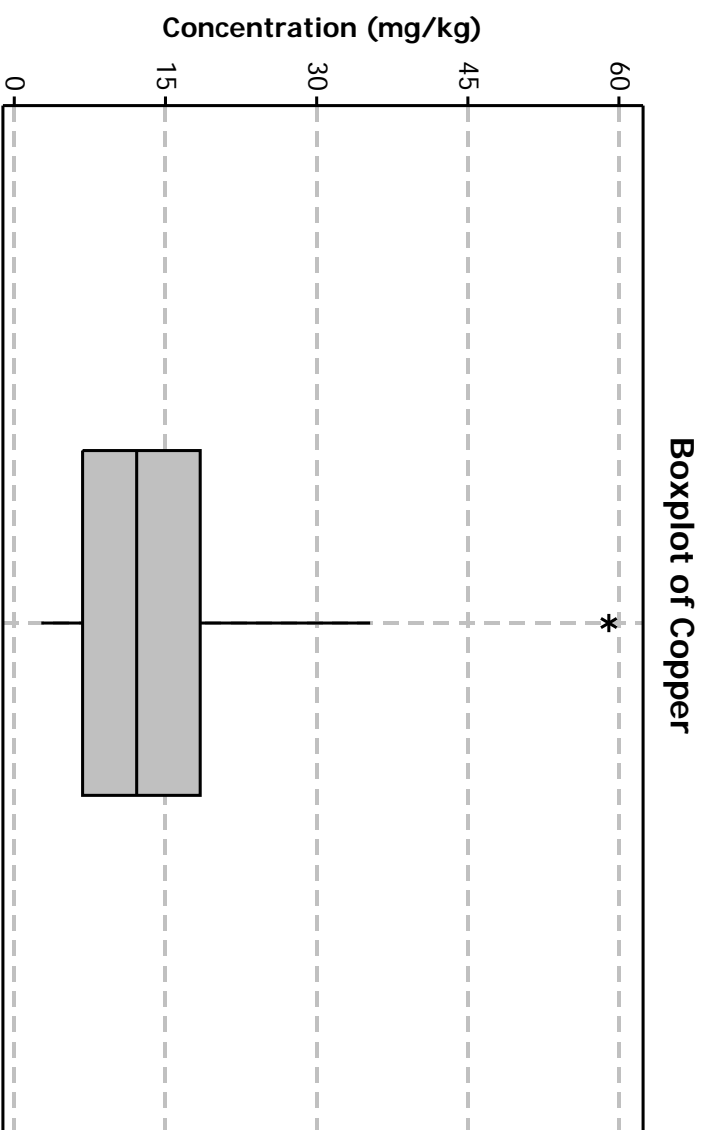


# Figure 3-3.7: Cobalt Outlier Evaluation



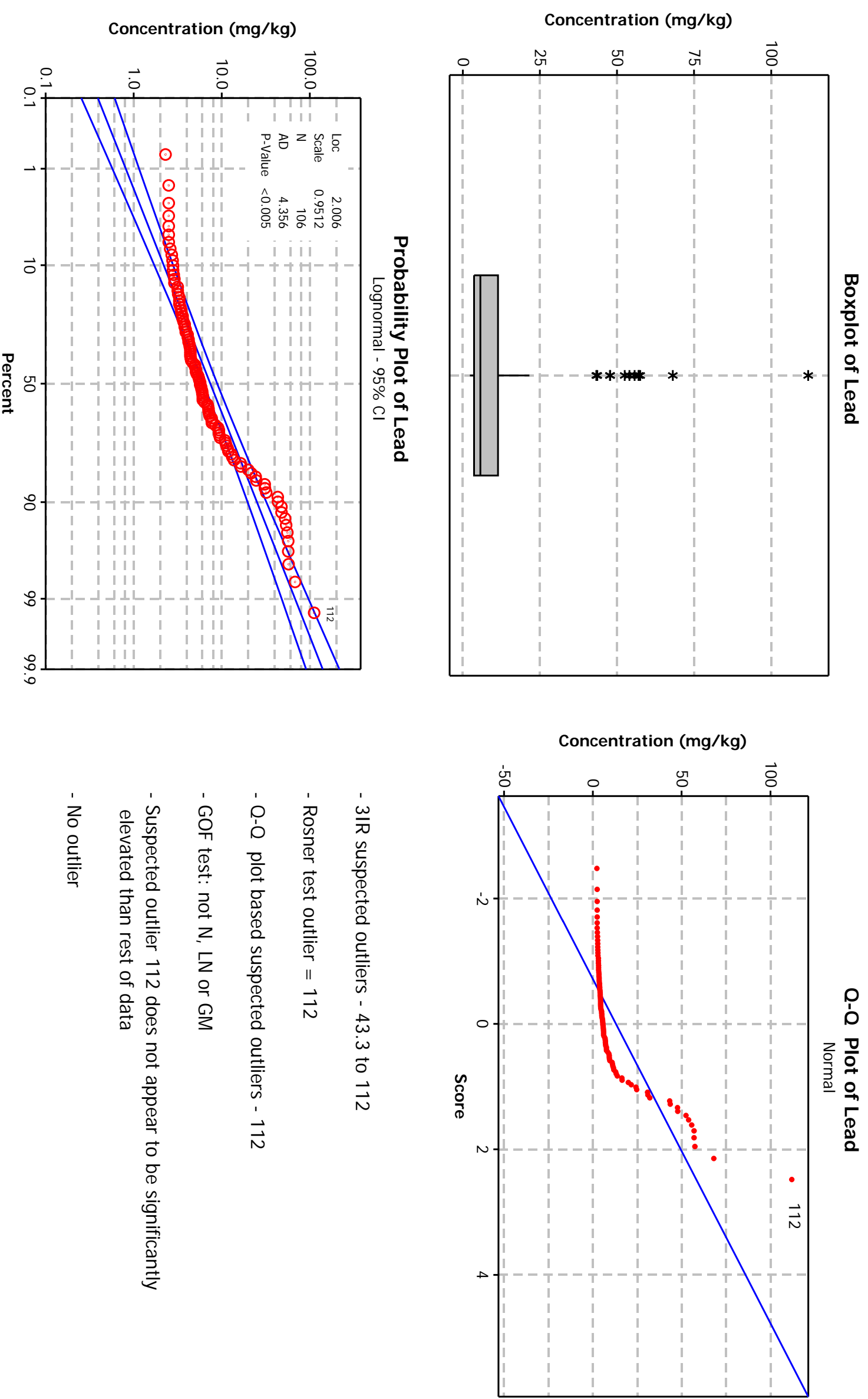
- 3IR suspected outliers - 13.1, 13.5, 15.7
- Rosner test: 15.7
- Q-Q plot based suspected outliers - None
- GOF test: Lognormal
- No outlier

**Figure 3-3.8: Copper Outlier Evaluation**

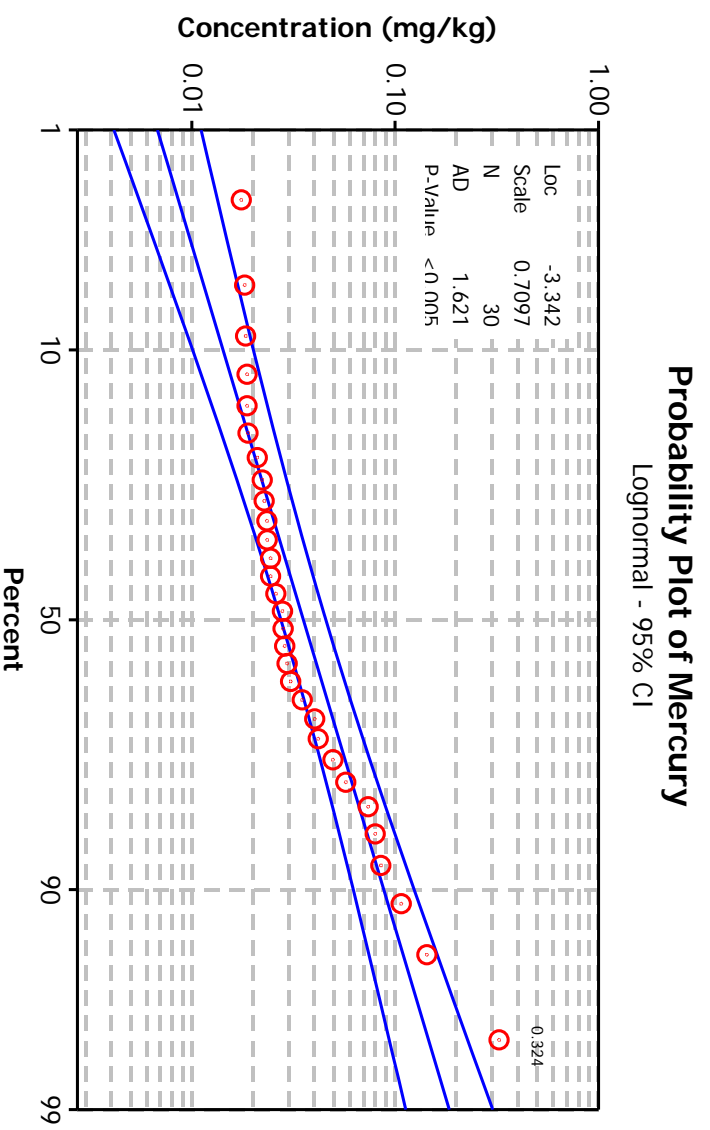
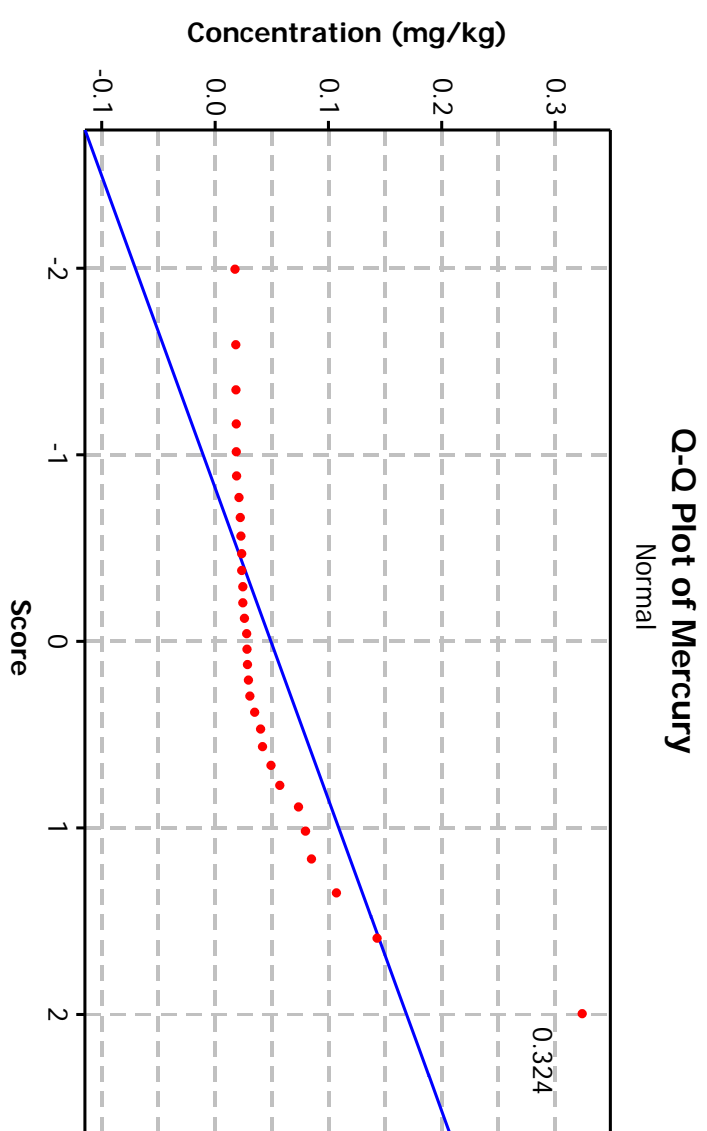
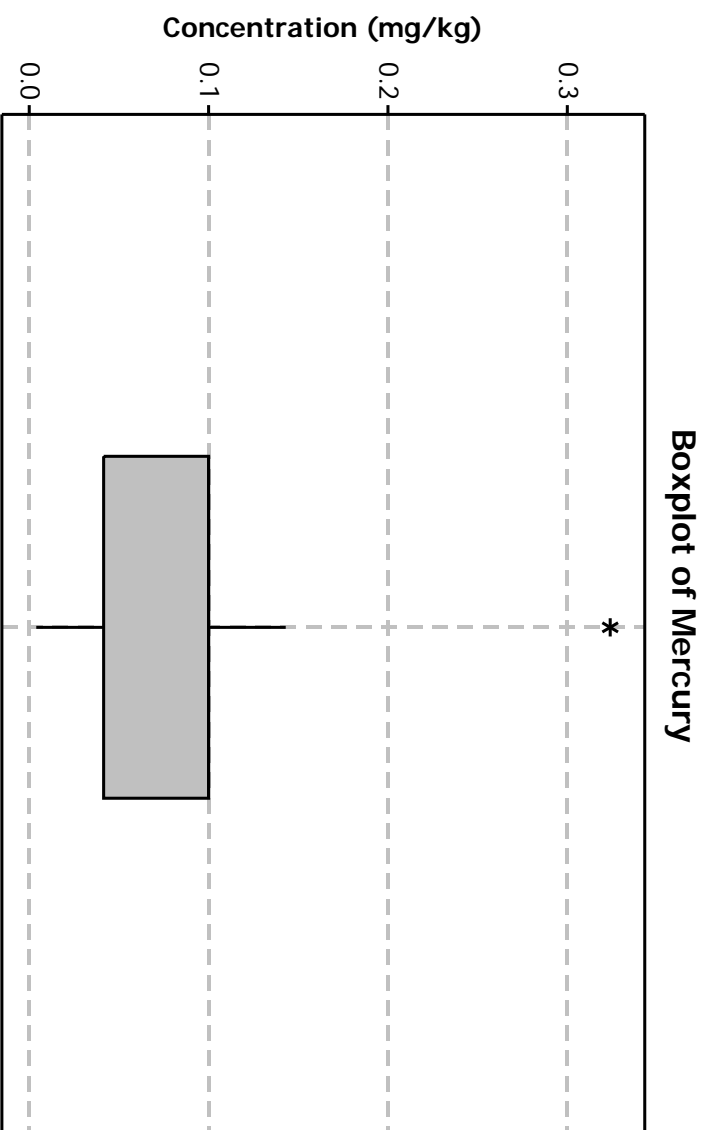


- 3IR suspected outliers - 59
- Rosner test = 59
- Q-Q plot based suspected outliers - None
- GOF test: Lognormal or gamma
- No outlier

**Figure 3-3.9: Lead Outlier Evaluation**



### Figure 3-3.10: Mercury Outlier Evaluation



- Rosner test and 3IR suspected outliers - 0.324
  - Q-Q plot based suspected outliers - none
  - GOF: not N or LN. Data appears fairly linear under LN.
- Note: %ND = 71.7%.
- Only detected values used in probability plot
  - No outlier