TECHNICAL MEMORANDUM

To: Brian Rakvica (NDEP)

From: Ranajit Sahu (BRC)

cc: Jim Najima (NDEP)
Mark Jones (ERM)
Teri Copeland
Paul Black (Neptune and Co.)

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Subject: Technical Memorandum – Data Review for 2007 Parcel 4A Investigation, BMI Common Areas (Eastside), Clark County, Nevada, Revision 2

Introduction

The objective of this Technical Memorandum is to present the results of an investigation Basic Remediation Company (BRC) performed for the Parcel 4A property of the BMI Common Areas in Clark County, Nevada. This revision of the Data Review Technical Memorandum, Revision 2, incorporates comments received from the Nevada Division of Environmental Protection (NDEP) dated October 2, 2007, on Revision 0 of the report, dated September 11, 2007, and comments received from the NDEP dated January 17, 2008, on Revision 1 of the report, dated October 29, 2007, as well as applicable comments received from the NDEP dated January 26, 2008 on the Parcel 4B Data Review Technical Memorandum. The NDEP comments and BRC's response to these comments are included in Attachment A. This revision of the Data Review Technical Memorandum also incorporates issues resolved during a meeting held on February 22, 2008 to discuss the NDEP's comment. Included in Attachment A is a redline/strikeout version of the text showing the revisions from the October 29, 2007 version of the technical memorandum.

Based on a comparison of the data presented in an Environmental Characterization Report (ERM-West 1997) to the screening levels used by the NDEP at that time, the NDEP concluded in 1997 that no further characterization of the property was required and that development could proceed without environmental restriction (NDEP 1997). However, current shallow background levels were not in use in 1997 and, in addition, a risk assessment methodology has been developed for the BRC project in the *BRC Closure Plan* (BRC, ERM, and DBSA 2007), for evaluating the potential health impacts.

Therefore, this current investigation was conducted to provide data to confirm existing data and fill identified data gaps with regards to possible contaminant distribution on this property. The sampling was conducted in accordance to the NDEP-approved *Workplan for Parcels 4A and 4B Investigation* (BRC 2007). The 2007 Parcel 4A investigation involved collecting samples throughout the property using a systematic sampling with random point placement, consisting of a regular grid overlay across the property with a randomly placed sample within each grid cell. This provides enough samples for completion of a statistically robust assessment of chemical distribution, and if desired, to provide a robust dataset upon which to perform a residential human health risk assessment. In addition to samples collected at random, focused samples were collected from specific areas to further investigate potential areas where elevated levels of chemicals may exist. A site map, showing the grid overlay and sample locations, is provided in Figure 1.

Parcel 4A and the adjacent Parcel 4B were not directly used for any manufacturing or waste disposal activities. They are located adjacent to BMI waste disposal ponds. Based on the data collected, affirmation of the existing No Further Action Determination (NFAD) for Parcel 4A is evaluated in this technical memorandum. Specifically, this technical memorandum includes the following primary tasks:

- Conceptual site model (CSM);
- Data usability evaluation;
- Summary of data, including evaluation to comparison levels;
- Screening-level health risk assessment, including statistical comparison to background concentrations; and
- Data adequacy evaluation.

Each of these tasks is discussed below.

Conceptual Site Model

The CSM is used to describe relationships between chemicals and potentially exposed human receptor populations, thereby delineating the relationships between the suspected sources of chemicals identified at the property, the mechanisms by which the chemicals might be released and transported in the environment, and the means by which the receptors could come in contact with the chemicals. The CSM provides a basis for defining data quality objectives and developing exposure scenarios.

Property Description

Parcel 4A comprises approximately 422 acres of undeveloped land with very little surface relief that is gently sloping to the northwest. It is part of an area referred to as the "NFA Exclusion Areas 4A/4B." It is located in close proximity to waste conveyance and disposal facilities historically operated by the BMI Complex, including the Beta Ditch and Upper Ponds, and municipal wastewater infiltration ponds formerly operated by the City of Henderson (the "Southern RIBs;" see Figure 1). While the Southern RIBs have not been decommissioned, they have not been used since May 2005.

Land use in the vicinity is mixed, ranging from industrial in the BMI Complex itself to light industrial at the margins of the Complex to commercial and residential on the periphery of Parcel 4A. Lands surrounding the BMI Complex are zoned commercial and residential, and are mostly developed. The TIMET manufacturing plant is located to the west of Parcel 4A, across Boulder Highway. Other structures are also located in proximity to Parcel 4A, including the St. Rose of Lima Hospital, several shopping centers, a mobile home park, and an apartment complex.

Summary of Existing Data

Most of the environmental investigations conducted at the BMI Complex have focused on the adjacent operating facilities and Upper Ponds and Ditches areas of the BMI Common Areas, but some data have been collected at Parcel 4A in support of those efforts. The investigations of soil and groundwater that have been performed at the property include the following:

1. *Draft Report of Findings-Phase II Limited Subsurface Evaluations-Proposed Disposal Expansion Site, Henderson, Nevada* (WT Environmental Consultants 1991);

2. *Environmental Characterization Report, BMI Exclusion Areas 3, 4A, 4B, 5/6, Henderson Nevada* (ERM-West 1997);

3. *2004 Hydrogeologic Characterization Summary, BMI Upper and Lower Ponds and Ditches Henderson Nevada* (BRC, MWH and DBSA, 2004); and

4. BMI Common Areas (Eastside) Quarterly Groundwater Monitoring Reports, Clark County, Nevada (MWH 2006a,b; 2007a,b).

In addition, BRC reviewed a 1980 USEPA report entitled *Aerial Reconnaissance of Hazardous Waste and Pollution Sources* (July 1980) which discusses the BMI Complex. As noted below, no specific impacts were noted at Parcel 4A in this report.

According to the results of the investigations listed above, there is no documentation of waste disposal from the BMI Complex to the property, and the property was not part of operations from the Upper Ponds. Visual inspection of Parcel 4A generally corroborates this conclusion.

Many of the previous samples were composite sampling, all soil samples (other than limited soil samples collected in support of the 2004 Hydrogeologic Characterization Investigation) were collected over 10 years ago, and not all of the previous samples have been analyzed for all of the major chemicals or chemical families and several used different analytical methods. The ranges of sample results from historical investigations are provided in Table 1. This table shows that the current investigation results are comparable to previous results at the property. Therefore, because of the factors discussed above, and because the current investigation results are considered representative of site conditions, previous results are not evaluated further in this data review, or the screening-level health risk assessment.

Potential Source Areas

Six areas were identified in the workplan that warranted further investigation. These areas for both Parcels 4A and 4B were:

- *Anomalous Sampling Area*: This area is located in the northwest margin of Parcel 4B where elevated arsenic concentrations were observed in composite soil samples from a 1991 investigation.

- *Radiation Survey Area*: This area is located near the northeast margin of Parcel 4B along the boundary adjacent to the Upper Ponds. The U.S. Environmental Protection Agency (USEPA) conducted an aerial survey in 1980 that suggested elevated gamma radiation may be present in this area. The aerial survey did not suggest the presence of elevated gamma radiation in Parcel 4A. Therefore, sampling and analysis for radionuclides in Parcel 4A was not included in the NDEP-approved workplan.

- *Stormwater Ditches*: The stormwater diversion ditch that traverses the southern edge of property may have intercepted chemically-impacted stormwater washed onto the property from off-site. Field mapping was conducted to qualitatively assess the path of the stormwater diversion channel(s) prior to locating the sample borings. Additional mapping of the stormwater diversion channel was conducted by observing the topography, vegetation patterns, and sediment accumulation. Soil samples were collected from two locations within Parcel 4A (SW-SS-1 and SW-SS-2) within the channel floor of the southeastern stormwater diversion trench, and four samples were collected within the northwestern stormwater diversion ditch (GM-SS-1, CP-SS-4, CP-SS-5, and AJ19).

- *Volatile Organic Compounds (VOCs) in Groundwater/Area Adjacent to TIMET and Beta Ditch*: This area of Parcel 4A is adjacent to the industrial operations to the west and contains VOCs in groundwater. Soil here may also have been impacted from spills or seepage from the unlined Beta Ditch. Groundwater from the upgradient TIMET facility at the BMI Complex contains concentrations of VOCs above action levels. Six focused samples (CP-SS-1 through CP-SS-6), four randomly located samples (AH17, AH18, AI18, AJ19 and AJ20), and one confirmation sample (C-SS-1) were collected from the VOCs in Groundwater/Area Adjacent to TIMET and Beta Ditch area of investigation.

  In addition, a soil vapor survey was conducted within the northwest portion of Parcel 4A. The survey assessed the extent of soil that is potentially impacted by VOCs using an active soil vapor survey at eight separate sampling locations (see CP-SS-1, CP-SS-2, CP-SS-3, CP-SS-4, CP-SS-6, C-SS-1, AH18, and AI18 on Figure 1). Soil vapor samples were collected from a depth of ten feet below ground surface (bgs) using temporary vapor wells.

- *Groundwater Mounding Area*: In the areas adjacent to the unlined Upper Ponds, ditches, and Southern RIBs, mounding of infiltrated groundwater (during historical operation of the Ponds) may have impacted shallow soils with contaminants in groundwater.

These areas are shown on Figure 2. Soil samples were collected from each of these areas.

Potential Human Exposure Scenarios

The CSM considers current and potential future land-use conditions. Currently, the property is undeveloped. Current receptors that may use the property include on-site trespassers. Therefore, current exposures to native soils at the property are likely to be minimal. In addition, exposures to future receptors will be much greater than current exposures. For example, future receptors include residents who are assumed to be exposed to soil at the property for 350 days per year for 30 years which is much greater than any current exposures.

USEPA (1989) guidance states that potential future land use should be considered in addition to current land use when evaluating the potential for human exposure at a site. Therefore, the

CSM also considers other future land-uses. For example, the CSM includes the planned use of the property for redevelopment according to a mixed-use master plan. A full CSM has been provided in the NDEP-approved *Workplan for Parcels 4A and 4B Investigation* (BRC 2007) as well as the *BRC Closure Plan* (BRC, ERM, and DBSA 2007).

Given the planned development of the property, potential human receptors include on-site construction workers, on-site indoor commercial workers, on-site outdoor maintenance workers, on-site recreational users, and child and adult residents. However, as discussed below, not all of these receptors are evaluated in the screening-level health risk assessment. Potential migration pathways, exposure pathways, and routes of exposure are shown on Figure 3.

Although several potential human receptors may occur on the property in the future, the screening-level health risk assessment focuses on the residential receptor. This receptor is considered to have the highest level of exposure at the property, as supported by the comparison levels that have been developed in the *BRC Quality Assurance Project Plan* (QAPP; BRC, ERM and MWH 2008). Other receptors generally have lower exposures, and thus lower risk estimates. Therefore, risk estimates generated for residential receptors will be protective of other potential receptors at the property. The only exception to this is construction worker exposures to asbestos. This is because asbestos risks are only evaluated for the dust inhalation exposure pathway, with construction activities generating more dust than under normal circumstances. Therefore, the screening-level health risk assessment also evaluates the construction worker receptor for asbestos exposures.

Data Usability Evaluation

The primary objective of the data review and usability evaluation was to identify appropriate data for use in the screening-level health risk assessment. The analytical data were reviewed for applicability and usability following procedures in the *Guidance for Data Usability in Risk Assessment (Part A)* (USEPA 1992a) and USEPA (1989). A quality assurance/quality control (QA/QC) review of the analytical results was conducted during the sampling events. According to the USEPA Data Usability Guidance, there are six principal evaluation criteria by which data are judged for usability in risk assessment. The six criteria are:

- availability of information associated with site data;
- documentation;
- data sources;

- analytical methods and detection limits;
- data review; and
- data quality indicators, including precision, accuracy, representativeness, comparability, and completeness.

A summary of these six criteria for determining data usability is provided below.

Criterion I – Availability of Information Associated with Site Data

The usability analysis of the site characterization data requires the availability of sufficient data for review. The required information is available from documentation associated with the site data and data collection efforts. Data have been validated per the NDEP-approved *Data Validation Summary Report, 2007 Parcel 4A/4B Investigation (Dataset 43)* (DVSR; BRC and ERM 2007a) and *Data Validation Summary Report, 2006-2007 Various Supplemental Investigations (Dataset 45)* (BRC and ERM 2007b). Supplemental data have also been validated, but submittal of the DVSR for these data is pending additional sample collected at Parcel 4B. The following lists the information sources and the availability of such information for the data usability process:

- A property description provided in the NDEP-approved workplan (BRC 2007) identifies the location and features of the property, the characteristics of the vicinity, and contaminant transport mechanisms.
- A site map with sample locations is provided in Figure 1.
- Sampling design and procedures were provided in the NDEP-approved workplan (BRC 2007).
- Analytical methods and detection limits are provided in Attachment B.
- A complete dataset is provided in Attachment B.
- A narrative of qualified data is provided with each analytical data package, the laboratory provided a narrative of QA/QC procedures and results. These narratives are included as part of the DVSRs (BRC and ERM 2007a,b).
- QC results are provided by the laboratory, including blanks, replicates, and spikes. The laboratory QC results are included as part of the DVSRs (BRC and ERM 2007a,b).

- Data flags used by the laboratory were defined adequately
- Electronic files containing the raw data made available by the laboratory are included as part of the DVSRs (BRC and ERM 2007a,b).

Criterion II – Documentation Review

The objective of the documentation review is to confirm that the analytical results provided are associated with a specific sample location and collection procedure, using available documentation. For the purposes of this data usability analysis, the chain-of-custody forms prepared in the field were reviewed and compared to the analytical data results provided by the laboratory to ensure completeness of the dataset. Based on the documentation review, all samples analyzed by the laboratory were correlated to the correct geographic location at the property. Field procedures included documentation of sample times, dates and locations, other sample specific information such as sample depth were also recorded. Information from field forms generated during sample collection activities was imported into the project database.

The analytical data were reported in a format that provides adequate information for evaluation, including appropriate quality control measures and acceptance criteria. Each laboratory report describes the analytical method used, provides results on a sample by sample basis along with sample specific detection limits, and provides the results of appropriate quality control samples such as laboratory control spike samples, sample surrogates and internal standards (organic analyses only), and matrix spike samples. All laboratory reports, except for asbestos, provided the documentation required by USEPA's Contract Laboratory Program (USEPA 2003a, 2004a,b) which includes chain of custody records, calibration data, QC results for blanks, duplicates, and spike samples from the field and laboratory, and all supporting raw data generated during sample analysis. Reported sample analysis results were imported into the project database.

Criterion III –Data Sources

The review of data sources is performed to determine whether the analytical techniques used in the site characterization process are appropriate for risk assessment purposes. The data collection activities were developed to characterize a broad spectrum of chemicals potentially present on the property, including asbestos, VOCs, semi-volatile organic compounds (SVOCs), metals, dioxins/furans, asbestos, polynuclear aromatic hydrocarbons (PAHs), organochlorine pesticides, and petroleum hydrocarbons. As discussed above in the Summary of Existing Data section, historical data collected from the property are not evaluated further in this data review, or the screening-level health risk assessment.

The State of Nevada is in the process of certifying the laboratories used to generate the analytical data. As such, standards of practice in these laboratories follow the quality program developed by the Nevada Revised Statutes (NRS) and are within the guidelines of the analytical methodologies established by the USEPA. Based on the review of the available information, the data sources for chemical and physical parameter measurements are adequate for use in a risk assessment.

The recommended method for providing asbestos data which are useful for risk assessment purposes was performed by EMSL Analytical Inc in Westmont, New Jersey. This laboratory is not currently certified in the State of Nevada, but has California and national accreditation for asbestos analysis.

To interpret measurements of asbestos in soils, it is necessary to establish the relationship between the asbestos concentrations observed in soils and concentrations that will occur in air when such soil is disturbed by natural or anthropogenic forces. This is because asbestos is a hazard when inhaled (see, for example, Berman and Crump 2001; USEPA 2003b). In fact, the Modified Elutriator Method (Berman and Kolk 2000), which was the method employed to perform the analyses presented in this report, was designed specifically to facilitate prediction of airborne asbestos exposures based on bulk measurements (see, for example, Berman and Chatfield 1990).

The Modified Elutriator Method incorporates collection of samples that are re-suspended and then forced through an airway and filter. Asbestos structures are isolated and concentrated of as part of the respirable dust fraction of a sample and analytical measurements are reported as the number of asbestos structures per mass of respirable dust in the sample. These are precisely the dimensions required to combine such measurements with published dust emission and dispersion models to convert them to asbestos emission and dispersion estimates. Thus, because published dust emission and dispersion models can be used to address many of the exposure pathways of interest in this study, these can be combined with measurements from the Modified Elutriator Method to predict airborne exposures and assess the attendant risks.

Criterion IV – Analytical Methods and Detection Limits

In addition to the appropriateness of the analytical techniques evaluated as part of Criterion III, it is necessary to evaluate whether the detection limits are low enough to allow adequate characterization of risks. At a minimum, this data usability criterion can be met through the determination that routine USEPA reference analytical methods were used in analyzing samples collected from the property. Attachment B identifies the USEPA methods that were used in conducting the laboratory analysis of soil samples. Each of the identified USEPA methods is considered the most appropriate method for the respective constituent class and each was approved by NDEP as part of the workplan (BRC 2007).

Laboratory reporting limits were based on those outlined in the reference method, the workplan, and the project QAPP (BRC, ERM and MWH 2008). In accordance with respective laboratory standard operating procedures (SOPs), the analytical processes included performing instrument calibration, laboratory method blanks, and other verification standards used to ensure quality control during the analyses of collected samples.

The range of detection limits achieved in field samples was compared to USEPA Region 9 residential soil Preliminary Remediation Goals (PRGs) (USEPA 2004c). Although several chemicals had a number of reporting limits that exceeded their respective PRGs, none had non-detectable results with method detection limits above residential PRGs. alpha-BHC and several SVOCs had method detection limits above USEPA (2004c) soil screening levels (SSLs); however, given the discussion provided below in the Data Summary section, migration of chemicals at the property to groundwater is considered unlikely. Therefore, the detection limits are considered adequate for risk assessment purposes.

Criterion V – Data Review

The data review portion of the data usability process focuses primarily of the quality of the analytical data received from the laboratory. Soil and soil vapor sample data were subject to data validation. DVSRs were prepared as separate deliverables (BRC and ERM 2007a,b). The analytical data were validated according to the internal procedures using the principles of USEPA National Functional Guidelines (USEPA 1999, 2001, 2002a, 2004a,b) and were designed to ensure completeness and adequacy of the dataset. Any analytical errors and/or limitations in the data have been addressed and an explanation for data qualification provided in the respective data tables. The results of ERM's data review for these issues are presented in the DVSRs and are summarized below.

Although certain laboratory limits, such as percent recovery (PR) and relative percent difference (RPD) between sample and duplicate, were exceeded for certain compounds or analyses, as identified by the laboratory (and confirmed during ERM's review of the data), there does not appear to be a wide-spread effect on the quality of the analytical results. Furthermore, based on a review of the laboratory narratives (provided in the laboratory reports in each DVSR), the laboratory does not believe that the observed exceedances of laboratory criteria represent a concern.

For some analytical results, quality criteria were not met and various data qualifiers were added to indicate limitations and/or bias in the data. The definitions for the data qualifiers, or data validation flags, used during validation are those defined in SOP-40 (BRC, ERM and MWH 2007) and the project QAPP (BRC, ERM and MWH 2008). Sample results were rejected based on findings of serious deficiencies in the ability to properly collect or analyze the sample and meet QC criteria. Only rejected data were considered unusable for decision-making purposes and rejected analytical results are not used in the screening-level health risk assessment. No samples were rejected in the Parcel 4A dataset.

Sample results qualified as estimated indicate an elevated uncertainty in the value. A bias flag may have been applied to indicate a direction of the bias. Estimated analytical results are used in the screening-level health risk assessment. Data qualified as anomalous, as defined in the DVSR refers to data that were qualified ("U") due to blank contamination, and such data are used in the screening-level health risk assessment. These data usability decisions follow the guidelines provided in the *Guidance for Data Usability in Risk Assessment (Part A)* (USEPA 1992a).

Criterion VI – Data Quality Indicators

Data quality indicators (DQIs) are used to verify that sampling and analytical systems used in support of project activities are in control and the quality of the data generated for this project is appropriate for making decisions affecting future activities. The DQIs address the field and analytical data quality aspects as they affect uncertainties in the data collected for site characterization and risk assessment. The DQIs include precision, accuracy, representativeness, comparability, and completeness (PARCC). The project QAPP provides the definitions and specific criteria for assessing DQIs using field and laboratory QC samples and is the basis for determining the overall quality of the dataset. Data validation activities included the evaluation of PARCC parameters, and all data not meeting the established PARCC criteria were qualified during the validation process using the guidelines presented in the National Functional Guidelines for Laboratory Data Review, Organics and Inorganics and Dioxin/Furans (USEPA 1999, 2001, 2002a, 2004d).

Precision is a measure of the degree of agreement between replicate measurements of the same source or sample. Precision is expressed by RPD between replicate measurements. Replicate measurements can be made on the same sample or on two samples from the same source.

Precision is generally assessed using a subset of the measurements made. The precision of the data was evaluated using several laboratory QA/QC procedures. Based on ERM's review of the results of these procedures, there do not appear to be any wide-spread data usability issues associated with precision.

Accuracy measures the level of bias that an analytical method or measurement exhibits. To measure accuracy, a standard or reference material containing a known concentration is analyzed or measured and the result is compared to the known value. Several QC parameters are used to evaluate the accuracy of reported analytical results:

- Holding times and sample temperatures;
- LCS percent recovery;
- matrix spike/matrix spike duplicate (MS/MSD) percent recovery (organics);
- Spike sample recovery (inorganics)
- Surrogate spike recovery; and
- Blank sample results.

Detailed discussions of and tables with specific exceedances, with respect to precision and accuracy, are provided in the DVSRs (BRC and ERM 2007a,b).

Representativeness is the degree to which data accurately and precisely represent a characteristic of the population at a sampling point or an environmental condition (USEPA 2002a). There is no standard method or formula for evaluating representativeness, which is a qualitative term. Representativeness is achieved through selection of sampling locations that are appropriate relative to the objective of the specific sampling task, and by collection of an adequate number of samples from the relevant types of locations. The sampling locations were based on both systematic sampling with random point placement within each grid cell, as well as focused samples collected from specific areas to further investigate potential areas. The samples were analyzed for a broad spectrum of chemical classes across the property. Samples were delivered to the laboratory in coolers with ice to minimize the loss of analytes. At times the samples were received outside the recommended temperature range or were analyzed beyond the holding time. Sample specific results are discussed in the DVSRs.

Completeness is commonly expressed as a percentage of measurements that are valid and usable relative to the total number of measurements made. Analytical completeness is a measure of the number of overall accepted analytical results, including estimated values, compared to the total number of analytical results requested on samples submitted for analysis after review of the analytical data. Some of the data were eliminated due to data usability concerns. The percent completeness for the property is 100 percent.

Comparability is a qualitative characteristic expressing the confidence with which one dataset can be compared with another. The desire for comparability is the basis for specifying the analytical methods; these methods are generally consistent with those used in previous investigations of the property. The comparability goal is achieved through using standard techniques to collect and analyze representative samples and reporting analytical results in appropriate units. The ranges of sample results from historical investigations are provided in Table 1 and show that the current investigation results are comparable to previous results at the property.

Data Summary

Initially, 132 samples were collected from 44 sample locations. Sample locations for this current investigation are shown on Figure 1. Results of the investigation are presented in Attachment B, and electronically on CD. As noted above, all data have been validated.

Following the first round of sampling, because of elevated levels of iron and vanadium at the surface from sample location FG-SS-1, surface soil was scraped and removed from around this location. The surface soil removal area is shown on Figure 1. Post-scrape samples were collected and analyzed for metals from five locations within this area. Post-scrape data have been validated. The original surface sample data from location FG-SS-1 (0 ft) were replaced with data from the 10 confirmatory samples.

Using the compound-specific information presented in Table 2 of the QAPP (BRC, ERM and MWH 2008), the comparison levels for each chemical included in the investigation were compiled and compared. Specific soil comparison levels used for this effort were as follows:

- USEPA Region 9 residential soil PRGs (USEPA 2004c); and
- SSLs protective of groundwater assuming dilution attenuation factors (DAFs) of 1 and 20 (USEPA 2004c).

A DAF of one is used when little or no dilution or attenuation of soil leachate concentrations is expected. Although the property is greater than 30 acres, because of the depth to groundwater (greater than 50 feet bgs) and the absence of fractured media or karst topography, consistent with USEPA (2002b) recommendations, SSLs using a DAF of 20 were considered appropriate for comparison purposes for the property. A summary of the data for the property, including identification of number of instances that chemical concentrations exceed the concentration to comparison level ratios are listed in Table 1. There are only a limited number of chemicals and instances where concentrations exceed comparison levels, as summarized below.

For dioxins/furans, the USEPA toxicity equivalency procedure, developed to describe the cumulative toxicity of these compounds, is applied. This procedure involves assigning individual toxicity equivalency factors (TEFs) to the 2,3,7,8 substituted dioxin/furan congeners. TEFs are estimates of the toxicity of dioxin-like compounds relative to the toxicity of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD), which is assigned a TEF of 1.0. Calculating the toxic equivalent (TEQ) of a mixture involves multiplying the concentration of individual congeners by their respective TEF. One-half the detection limit is used for calculating the TEQ for individual congeners that are non-detect in a particular sample. The sum of the TEQ concentrations for the individual congeners is the TEQ concentration for the mixture (referred to as the TCDD TEQ).

There is one instance, at surface sample location AF21, where the TCDD TEQ (56 parts per trillion [ppt]) exceeded the Agency for Toxic Substances and Disease Registry (ATSDR) screening value of 50 ppt (ATSDR 1997). The ATSDR screening value is used to identify where potential health effects may be of concern at a site.

There are two instances, at surface sample locations PS-FG-SS-1-C and PS-FG-SS-1-SE, where vanadium exceeded the USEPA Region 9 residential PRG. There are three instances, at sample locations CP-SS-2 (4 feet bgs), PS-FG-SS-1-C (surface) and PS-FG-SS-1-SE (surface), where iron exceeded the USEPA Region 9 residential PRG. There are six instances where beta-BHC exceeded the USEPA SSL (DAF 20). It should be noted that these are specific instances and do not account for property-wide concentration considerations. In addition, although there are numerous instances (130) where arsenic exceeds the USEPA Region 9 residential PRG, as evaluated further below, there are no instances where arsenic exceeds the maximum shallow soil background dataset presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC and TIMET 2007).

Although VOCs have been detected in soil, there are no instances of a VOC exceeding the USEPA Region 9 residential PRG. However, USEPA Region 9 PRGs do not account for potential migration of VOCs from the subsurface into indoor air. In general USEPA does not recommend evaluating the indoor air exposure pathway using soil matrix data (USEPA 2002b). Because groundwater beneath a portion of the property is considered a potential VOC source area, soil vapor data were collected. These data are further evaluated in the screening-level health risk assessment.

Given the depth to groundwater at the property (greater than 50 feet bgs, as measured at monitoring wells AA-27 [66.97 feet bgs] and MCF-12B [67.13 feet bgs]), migration of chemicals at the property to groundwater is unlikely. This is further supported by the low level of detected chemicals most associated with potential groundwater impacts (*e.g.*, VOCs, petroleum constituents). Although there are six instances where beta-BHC exceeded the USEPA SSL, all these instances were in the upper four feet, with a highest concentration of 0.025 mg/kg versus the SSL of 0.003 mg/kg. Therefore, potential impacts to groundwater, and subsequent groundwater exposures were not further evaluated. It should be noted that development of the property will not preclude future groundwater investigation or remediation activities that may need to be conducted by BRC.

Because of the elevated levels of iron and vanadium that were detected around sample location FG-SS-1, subsequent to the re-sampling, additional step-out samples were collected from surface and 1 ft bgs from five locations within this area and analyzed for iron and vanadium. At the same time, step-out samples were collected from 4 and 7 ft bgs from five locations around sample location CP-SS-2 and analyzed for iron and vanadium, and step-out samples were collected from surface and 1 ft bgs from five locations around sample location AF21 and analyzed for dioxins/furans.

No additional soil removals were conducted from around sample location FG-SS-1, nor sample location CP-SS-2. However, because the TCDD TEQ in the original surface soil sample at AF21 exceeded the ATSDR screening value of 50 ppt, as well as the surface step-out sample collected to the southwest of AF21 (AF21-SE), surface soil was scraped and removed from around these locations. The surface soil removal area is shown on Figure 1. Post-scrape samples were not collected as the TCDD TEQ concentrations from 1 ft bgs at these locations were below the ATSDR screening value.

Following surface soil removals, there were five chrysotile asbestos fibers detected from throughout the property, with two of these long fibers. There were no amphibole asbestos fibers detected from throughout the property. There are no comparison levels available for asbestos. Asbestos is further evaluated in the screening-level health risk assessment.

Screening-Level Health Risk Assessment

The comparison levels in the Data Summary section above do not take into account cumulative effects, nor do they consider all potential exposure pathways (for example, the homegrown produce pathway). Therefore, the purpose of the screening-level health risk assessment is to determine if chemical concentrations in property soils are: (1) either representative of background conditions; or (2) do not pose an unacceptable risk to human health and the environment under current and anticipated future use conditions.

Human health risks are represented by estimated theoretical upper-bound cancer risks and non-cancer hazards derived in accordance with standard USEPA methods. The acceptable risk levels defined by USEPA for the protection of human health, and following those discussed previously with NDEP, are:

1. For non-carcinogenic compounds, the acceptable criterion is a cumulative hazard index (HI) of one or less. If the screening HI is determined to be greater than 1.0, target organ-specific HIs will be calculated for primary and secondary organs. The final risk goal will be to achieve target organ-specific non-carcinogenic HIs of less than 1.0; and

2. For known or suspected chemical and radionuclide carcinogens, the acceptable ceiling for a cumulative incremental lifetime cancer risk (ILCR) ranges from 10^{-6} to 10^{-4}. The risk goal established by the NDEP is 10^{-6}.

3. Where background levels exceed risk level goals, metals and radionuclides in Site soils are targeted to have risks no greater than those associated with background conditions.

4. For lead, the target goal is 400 milligrams per kilogram (mg/kg), which is a soil concentration identified by USEPA (based on the Integrated Exposure Uptake Biokinetic Model [IEUBK]) as protective of a residential scenario.

5. For asbestos, calculations are based upon cancer criterion and a risk goal of 10^{-6}.

This screening-level health risk assessment follows the basic procedures outlined in USEPA *Risk Assessment Guidance for Superfund: Volume I—Human Health Evaluation Manual* (RAGS; USEPA 1989). Other guidance documents were also consulted for the screening-level health risk assessment. This screening-level health risk assessment also conforms to the methodology included in the *BRC Closure Plan* (BRC, ERM, and DBSA 2007).

Evaluation of Concentrations Relative to Background Conditions

The comparison of property-related soil concentrations to background levels was conducted using the existing, shallow soils background dataset presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC and TIMET 2007). Background comparisons were performed using the Quantile test, Slippage test, the *t*-test, and the Wilcoxon Rank Sum test with Gehan modification. The computer statistical software program, Guided Interactive Statistical Decision Tools (GISdT®; Neptune and Company 2007), was used to perform all statistical comparisons.

For samples with primary and field duplicate results, the following rules were applied prior to the background comparison and determination of representative exposure concentrations. If all concentrations were detected for a given parameter, the values are averaged arithmetically. If all concentrations are non-detect for a given parameter, the minimum reporting limit is used. If the concentrations are a mixture of detect and non-detect, any two or more detected concentrations are averaged arithmetically and non-detected concentrations are excluded. If there was a single detected concentration and one or more non-detect concentrations, the detected concentration is used. The latter two rules were applied regardless of whether the reporting limit is higher or lower than the detected concentration.

The results of the background comparison evaluation are presented in Table 2, and summarized below.

Chemical	Greater than Background?	Basis
Aluminum	YES	Multiple tests
Antimony	NO	Multiple tests
Arsenic	NO	Multiple tests
Barium	NO	Multiple tests
Beryllium	NO	Quantile/Slippage; property max. detect below background max. detect
Boron	YES	t-Test/WRS; property max. detect above background max. detect
Cadmium	YES	Multiple tests
Calcium	NO	Multiple tests
Chromium (Total)	YES	Multiple tests
Chromium (VI)	NO	Non-Detect
Cobalt	NO	Quantile/Slippage; property max. detect below background max. detect
Copper	NO	Multiple tests
Iron	YES	Multiple tests
Lead	YES	t-Test/WRS; property max. detect above background max. detect
Lithium	NO	Multiple tests
Magnesium	NO	Quantile/Slippage; property max. detect below background max. detect
Manganese	YES	Multiple tests
Mercury	NO	Multiple tests
Molybdenum	NO	Multiple tests

Chemical	Greater than Background?	Basis
Nickel	YES	t-Test/WRS; property max. detect above background max. detect
Niobium	YES	t-Test/WRS; property max. detect above background max. detect
Palladium	YES	Multiple tests
Platinum	NO	Quantile/Slippage; property max. detect below background max. detect
Potassium	NO	Multiple tests
Selenium	YES	t-Test/WRS; property max. detect above background max. detect
Silicon	NO	Multiple tests
Silver	YES	Multiple tests; property max. detect above background max. detect
Sodium	YES	Multiple tests
Strontium	YES	t-Test/WRS; property max. detect above background max. detect
Thallium	NO	Multiple tests
Tin	YES	Multiple tests
Titanium	YES	Multiple tests
Tungsten	NO	Multiple tests
Uranium	NO	Multiple tests
Vanadium	YES	Multiple tests
Zinc	NO	Quantile/Slippage; property max. detect below background max. detect
Zirconium	NO	Multiple tests

Cumulative probability plots and side-by-side box-and-whisker plots were also prepared and are included in Attachment C. These plots give a visual indication of the similarities between the property and background datasets.

The results of this comparison indicate that levels of aluminium, boron, cadmium, total chromium, iron, lead, manganese, nickel, niobium, palladium, selenium, silver, sodium, strontium, tin, titanium, and vanadium exceed background levels. Although the comparison statistics indicate that these metals levels at the property are above background, the cumulative probability plots and box-and-whisker plots indicate that for several of these metals the differences are statistically significant, but practically small. However, as discussed below, these metals are considered in the screening-level health risk assessment.

Selection of Chemicals of Potential Concern

The broad suite of analytes sampled for was the initial list of chemicals of potential concern (COPCs) at the property. However, in order to ensure that a risk assessment focuses on those substances that contribute the greatest to the overall risk (USEPA 1989); two procedures were used to eliminate the chemicals for quantitative evaluation in the screening-level health risk assessment:

- identification of chemicals with detected levels which are at or less than background concentrations (where applicable), and

- identification of chemicals that are infrequently detected at the property.

The procedure for evaluating chemicals relative to background conditions was presented above. From this list of COPCs, further selection was performed by:

- Including chemicals positively identified in at least one sample, including: (1) chemicals with no qualifiers attached (excluding non-detect results with unusually high detection limits, if warranted), and (2) chemicals with qualifiers attached that indicate known identities but estimated concentrations (*e.g.*, J-qualified data); and

- Including chemicals detected at levels significantly elevated above levels of the same chemicals detected in associated blank samples (this protocol includes an analyte if it is known to be site-related and its concentration is greater than five times the maximum amount detected in any blank; if the chemical is a common laboratory contaminant [as defined by USEPA 1989], it is included only if its concentration is greater than 10 times the maximum amount detected in any blank).

Another criterion that may warrant chemical reduction is the frequency of detection. In general, chemicals exhibiting a low frequency of detection will not contribute significantly to the risk estimates. USEPA (1989) suggests that chemicals with a frequency of detection less than or equal to five percent, with the exception of metals, known human carcinogens, and persistent, bioaccumulative, and toxic (PBT) chemicals as defined by the USEPA PBT program (USEPA 2008a), may be considered for elimination. Prior to eliminating a chemical based on the frequency of detection criteria, (1) any elevated detection limits are addressed, and (2) data distributions within the property are considered. Results of the selection of COPCs, including the rationale for excluding chemicals as COPCs are presented in Table 3.

In addition, all detected VOCs in soil vapor data were considered COPCs for the indoor air exposure pathway.

<u>Determination of Exposure Point Concentrations</u>

A representative exposure concentration is a COPC-specific and media-specific concentration value. In risk assessment, these exposure concentrations are values incorporated into the exposure assessment equations from which potential baseline human exposures are calculated. As described below, the methods, rationale, and assumptions employed in deriving these concentration values follow USEPA guidance and reflect site-specific conditions.

Soil

Due to the uncertainty associated with determining the true average concentration at a site, where direct measurements of the site average are unavailable, the USEPA recommends using the lower of the maximum detected concentration or the 95 percent upper confidence limit (UCL) as the concentration of a chemical to which an individual could be exposed over time (USEPA 1992b). For the 95 percent UCL concentration approach, the 95 percent UCL was computed in order to represent the area-wide exposure point concentrations. The 95 percent UCL is defined as the value that, when calculated repeatedly for randomly drawn subsets of site data, equals or exceeds the true mean 95 percent of the time (USEPA 1992b). The purpose for using the 95 percent UCL is to take into account the different concentrations a person may be exposed to on any given day. That is, an individual will be exposed to a range of concentrations that exist at an exposure area, from non-detect to the maximum concentration, over an entire exposure period.

The 95 percent UCL statistical calculations were performed using the computer statistical software program GISdT® (Neptune and Company 2007). See the Evaluation of Concentrations Relative to Background Conditions section for how sample locations with field duplicates were treated prior to the 95 percent UCL statistical calculations. The formulas for calculating the 95 percent UCL COPC concentration (as the representative exposure concentration) are presented in USEPA (1992b, 2002c).

The representativeness of the 95 percent UCLs for each exposure area, that is, a property-wide mean concentration is valid for default residential exposure areas within the property, is further supported by the bubble plot figures included in Attachment D. Figures for each of the COPCs are included in Attachment D. With the exception of iron and vanadium in the areas around sample locations FG-SS-1 and CP-SS-2, the bubble plot figures demonstrate that the data across the property are uncorrelated, that is, there is no discernable spatial correlation. Therefore, except for iron and vanadium, and consistent with the project *Statistical Methodology Report* (BRC and NewFields 2006), each measurement is assumed to be equally representative for that chemical at any point in the property and calculation of the 95 percent UCL is appropriate. Because of the elevated levels of iron and vanadium detected from sample locations FG-SS-1 and CP-SS-2, and the number of samples collected for these two COPCs at these areas, 95 percent UCL were calculated for iron and vanadium separately for these two locations.

Representative exposure concentrations for soil were based on the potential exposure depth for each of the receptors. For residential receptors, which are likely to be exposed to on-site surface and sub-surface soils, data from the surface to 10 feet bgs were used. In order to consider the potential that surface exposures might be higher than subsurface exposures, 95 percent UCLs were calculated for both surface soil data only and data from surface to 10 feet bgs. The higher of the two values was used in the risk estimates. The 95 percent UCL for each COPC is presented in Table 4. For indirect exposures, this concentration was used in fate and transport modeling.

The exposure point concentrations for asbestos were based on the pooled analytical sensitivity of the dataset. The pooled analytical sensitivity was calculated as follows:

$$\textit{Pooled Analytical Sensitivity} = 1/\left[\sum_i (\textit{1/analytical sensitivity for trial i})\right]$$

Two estimates of the asbestos concentration were evaluated, best estimate and upper bound as defined in the draft methodology (USEPA 2003b). The best estimate concentration is similar to a central tendency estimate, while the upper bound concentration is comparable to a reasonable maximum exposure estimate. The pooled analytical sensitivity is multiplied by the number of chrysotile or amphibole structures to estimate concentration:

$$\text{Estimated Bulk Concentration } (10^6 \text{ s/gPM10}) = \text{Long fiber count} \times \text{Pooled analytical sensitivity}$$

For the best estimate, the number of fibers measured is incorporated into the calculation above. The upper bound of the asbestos concentration was also evaluated. It is calculated as the 95 percent UCL of the Poisson distribution where the mean equals the number of structures detected. In EXCEL, the following equation may be employed to calculate this value:

$$\text{95\% UCL of Poisson Distribution } (10^6 \text{ s/gPM10}) = \text{CHIINV}(1 - \alpha, 2 \times (\text{Long fiber count} + 1)/2)$$

This value is then multiplied by the pooled analytical sensitivity to estimate the upper bound concentration. The intent of the risk assessment methodology was to predict the risk associated with airborne asbestos.

In order to quantify the airborne asbestos concentration, the estimated dust levels or particulate emission factors were used:

$$\text{Estimated Airborne Concentration } (\text{s/cm}^3) = \text{Estimated bulk concentration } (10^6 \text{ s/gPM10}) \times \text{Estimated dust level } (\text{ug/cm}^3)$$

Indoor Air

The flux of COPCs from the subsurface and dispersion into indoor air were estimated using the USEPA spreadsheet-based Johnson and Ettinger model (USEPA 2004e). The model is based on the vapor intrusion model published by Johnson and Ettinger (1991). The Johnson and Ettinger vapor intrusion model is a screening-level model, which incorporates both convective and diffusive mechanisms for estimating the transport of chemical vapors emanating from either subsurface soils or groundwater into indoor spaces located directly above the source of contamination. The model is constructed to calculate steady-state vapor transport (infinite source). Maximum detected VOCs concentrations in soil vapor were used as representative exposure concentrations for the indoor air exposure pathway. The default physical properties and building characteristics contained in the USEPA Johnson and Ettinger model were used in this evaluation.

Homegrown Produce

Consistent with the *BRC Closure Plan* (BRC, ERM, and DBSA 2007) and USEPA guidance, the consumption of homegrown produce is an applicable exposure pathway for residential receptors. Representative exposure concentrations in plants were obtained using the soil 95 percent UCL for each COPC, multiplied by plant uptake factors. Plant uptake factors were obtained from Baes *et al*. (1984) and USEPA (2005).

Risk Assessment Methodology

The method used in the screening-level health risk assessment consists of several steps. The first step is the calculation of exposure point concentrations representative of the particular area (see above). The second step is fate and transport modeling to predict concentrations that may be present when direct measurements are not available. The third step is the exposure assessment for the various receptors present in the particular areas. The next step is to define the toxicity values for each COPC. The final step is risk characterization where theoretical upper-bound ILCRs and non-cancer HIs are calculated. The *BRC Closure Plan* (BRC, ERM, and DBSA 2007) provides a full discussion on the risk assessment methodology for the project, and used in this screening-level health risk assessment.

As noted above, three separate 95 percent UCLs were calculated for iron and vanadium (that is, 95 percent UCLs were calculated for data around sample location FG-SS-1, for data around sample location CP-SS-2, and for the remaining Parcel 4A data). Therefore, three separate risk calculations were performed: property-wide, area around sample location FG-SS-1, and area around sample location CP-SS-2. The 95 percent UCLs for all other COPCs were applied to each of the three risk calculations.

Table 5 presents each of the exposure parameters used in the screening-level health risk assessment for each receptor and each pathway identified in Figure 3. Toxicity values, when available, are published by the USEPA in the on-line Integrated Risk Information System (IRIS; USEPA 2008b) and the Health Effects Assessment Summary Tables (HEAST; USEPA 1997a). Cancer slope factors (CSFs) are chemical-specific, experimentally-derived potency values used to calculate the risk of cancer resulting from exposure to carcinogenic chemicals. A higher value implies a more potent carcinogen. Reference doses (RfDs) are experimentally derived "no-effect" values used to quantify the extent of adverse non-cancer health effects from exposure to chemicals. Here, a lower RfD implies a more potent toxicant. These criteria are generally developed by USEPA risk assessment work groups and listed in USEPA risk assessment guidance documents and databases. The hierarchy for selecting toxicity criteria presented in the *BRC Closure Plan* (BRC, ERM, and DBSA 2007) was used.

Uncertainty Analysis

Risk estimates are values that have uncertainties associated with them. These uncertainties, which arise at every step of a risk assessment, are evaluated to provide an indication of the uncertainty associated with a risk estimate. Risk assessments are not intended to estimate the true risk to a receptor associated with exposure to chemicals in the environment. In fact, estimating the true risk is impossible because of the variability in the exposed or potentially exposed populations. Therefore, risk assessment is a means of estimating the probability that an adverse health effect (*e.g.*, cancer, impaired reproduction) will occur in a receptor in order to assist in decision making regarding the protection of human health. The multitude of conservative assumptions used in risk assessments guard against underestimation of risks.

Risk estimates are calculated by combining site data, assumptions about individual receptor's exposures to impacted media, and toxicity data. The uncertainties in this screening-level health risk assessment can be grouped into four main categories that correspond to these steps:

- Uncertainties in environmental sampling and analysis
- Uncertainties in fate and transport modeling
- Uncertainties in assumptions concerning exposure scenarios
- Uncertainties in toxicity data and dose-response extrapolations

General uncertainties associated with the screening-level health risk assessment for the property are summarized in Table 6. In Table 6, "Low," "Moderate," and "High" are qualitative indicators as to whether the source of uncertainty will likely have a small, medium, or large effect on the risk calculations, respectively. Additional discussion on the uncertainties associated with the screening-level health risk assessment is provided below.

The screening-level health risk assessment for the property was based on the sampling results obtained from investigations conducted in 2007 and 2008. Errors in sampling results can arise from the field sampling, laboratory analyses, and data analyses. Errors in laboratory analysis procedures are possible, although the impacts of these sorts of errors on the risk estimates are likely to be low. The environmental sampling at the property is one source of uncertainty in the evaluation. However, the number of sampling locations and events is large and widespread, and sampling was performed using approved procedures; therefore, the sampling and analysis data is sufficient to characterize the impacts and the associated potential risks.

The amount of COPCs the body absorbs may be different from the amount of a COPC contacted. In this screening-level health risk assessment, absorption of ingested and inhaled COPCs is conservatively assumed to be 100 percent. Actual chemical and site specific values are likely less than this default value. For example, as discussed below, animal studies have indicated that the oral bioavailability of 2,3,7,8-TCDD in environmentally contaminated soil could range from 0.5 to 60 percent.

Toxicity criteria have not been established for many of the chemicals detected at the property. These chemicals were not quantitative evaluated in the screening-level health risk assessment. Because of the inconclusive nature of tentatively identified compounds (TICs) as potentially site-related chemicals, non-cancer surrogate toxicity criteria were not applied. Non-cancer surrogate toxicity criteria were not applied to the inorganic chemicals because of the complexity of ion and metal toxicity. A quantitative estimation of risk was not conducted for these COPCs. Thus, the risks presented in this assessment could be underestimated as a result.

The selection of exposure pathways is a process, often based on best professional judgement, which attempts to identify the most probable potentially harmful exposure scenarios. In a risk assessment it is possible that risks are not calculated for all of the exposure pathways that may occur, possibly causing some underestimation of risk. In this assessment, risks were estimated for one receptor; on-site residents (except asbestos, for which a construction worker was assessed). Risks for the most likely routes of exposure to on-site residents were estimated. Specifically, risks to on-site residents were estimated for soil ingestion, skin contact with soil, inhalation of indoor and outdoor air, and ingestion of homegrown produce. Although it is possible that other exposure routes could exist, these exposures are expected to be lower than the risks associated with the pathways considered.

No toxicity criteria are available for iron in IRIS or HEAST. The USEPA Region 9 PRG table lists an oral RfD for iron and references the USEPA National Center for Environmental Assessment (NCEA). The NCEA value represents the upper bound value in the range of mean dietary iron intakes, dietary plus supplemental, taken from the NHANES II database. As noted by USEPA, "Iron is an essential element, and deriving a risk assessment value for such chemicals poses a special problem in that the dose adversity curve is 'U-shaped.'"

Non-cancer HIs were segregated by target organ. Chemicals can have toxic effects on multiple organ systems. However, the oral RfD established for a chemical is usually based on a single critical effect. Where multiple critical effects and target organs have been identified in IRIS or other sources, the chemical was included in multiple target organ HIs. For example, dioxins/furans have been included in the central nervous system (CNS), liver, and 'other' target organ HIs. For some chemicals, toxic effects to other organ systems may be associated with exposure levels less than those for which the RfD was established. One example is vanadium. Although vanadium may have a critical effect on other target organs, it was only included in the kidney target organ HI. See below for further discussion on this issue.

Uncertainties from different sources are compounded in the screening-level health risk assessment. For example, if a person's daily intake rate for a chemical is compared to an RfD to determine potential health risks, the uncertainties in the concentration measurements, exposure assumptions, and toxicities will all be expressed in the result. Because the exposure assumptions and toxicity criteria are considered conservative, the risk estimates calculated in this screening-level health risk assessment are likely to overestimate rather than underestimate potential risks.

<u>Screening-Level Health Risk Assessment Results</u>

This screening-level health risk assessment has evaluated potential risks to human health associated with chemicals detected in soil at the Parcel 4A property located within the BMI Common Areas in Clark County, Nevada. The calculation of chemical theoretical upper-bound ILCRs and non-cancer health effects are presented in Attachment E. Asbestos risk calculations are also presented in Attachment E. All calculation spreadsheets for this screening-level health risk assessment are included in Attachment E.

The risk estimates are based on reasonable maximum exposure scenarios, which results in estimates of the potential reasonable maximum, or high-end, risks associated with the property. The calculated theoretical upper-bound ILCRs and HIs are presented in Table 7 through 9, for property-wide, area around sample location FG-SS-1, and area around sample location CP-SS-2, respectively. Asbestos estimated deaths from lung cancer or mesothelioma are presented in Table 10.

The total cumulative non-cancer HI for future residential receptors at the property range from 2.8 to 3.2, which are above the target HI of 1.0. Because each of the total cumulative HIs exceeds 1.0, the potential for adverse health effects was further evaluated by considering the target organs upon which each chemical could have an adverse effect. Target organ-specific HIs are also shown in Tables 7 through 9. The target organ specific HIs have been summed for all relevant COPCs (Note: target organs for each COPC are identified in the calculation spreadsheets included in Attachment E). Generally, target organ information for each of the COPCs was obtained from IRIS and the Oak Ridge National Laboratory (ORNL) Risk Assessment Information System (RAIS). None of the target organ non-cancer HIs are above 1.0 (see Tables 7 through 9).

It should be noted that although the ORNL RAIS lists blood, gastrointestinal system, and kidney as target organs for vanadium, the chronic oral RfD for vanadium used in the screening-level health risk assessment is a provisional value of 0.001 mg/kg-day (obtained from USEPA Region 9 PRG table). This provisional chronic oral RfD is based on animal data from which a critical effect of kidney toxicity (impaired kidney function) was identified. Therefore, kidney was selected as the target organ for the screening-level health risk assessment. Effects on other target organs/systems likely occur higher at levels (for example, the IRIS RfD for vanadium pentoxide, based on a critical effect of decrease in the amount of cystine in the hair, is nine times higher than that used in the screening-level health risk assessment).

The theoretical upper-bound ILCR for future residential receptors at the property is 3×10^{-6} (this value is the same for all three risk calculations since only iron and vanadium, for which cancer toxicity criteria have not been established, had differing representative exposure concentrations). Although the ILCR is above the risk goal of 1×10^{-6}, the risks are primarily driven by dioxins/furans. The 95 percent UCL concentration for dioxins/furans used in the screening-level health risk assessment of 5.8 ppt resulted in a total dioxins/furans ILCR of 2×10^{-6}. This 95 percent UCL concentration is below the ATSDR screening value of 50 ppt. The ATSDR screening value is equivalent to an ILCR of 2×10^{-5}. In addition, the risk calculations assume 100 percent oral bioavailability of dioxins/furans. Animal studies have indicated that the oral bioavailability of 2,3,7,8-TCDD in environmentally contaminated soil could range from 0.5 to 60 percent. For example, in a study by Ruby *et al*. (2002) the bioaccessibility of dioxins/furans in soil ranged from 19 to 34 percent (averaged across the 17 2,3,7,8-substituted dioxin/furan congeners), with an average of 25 percent. If an oral bioavailability factor were used, the total ILCR for the property would be at or nearer the risk goal of 1×10^{-6}.

The ATSDR guidelines state that if one or more soil sampling values exceed the screening value of 50 ppt of dioxins/furans TEQs, further site-specific evaluations are needed, as represented by this screening-level health risk assessment. Further site-specific evaluation may include determination of a representative exposure concentration. As stated in ATSDR (2005): "The maximum detected substance concentration is selected to assess potential exposures from substances in site media, at least as a first screen. You, however, should recognize that use of the maximum detected concentration of a substance to estimate the exposure dose may result in an overestimate of likely exposure. You may determine that the arithmetic or geometric average concentration may be appropriate to assess exposure conditions, especially when concentrations vary temporally or spatially… …When substance concentrations change over time (as is often the case with chronic exposures) or over portions of an area, you may select an average concentration, or range of concentrations at a site, to better represent substance concentrations." Therefore, given the discussion above on the representativeness of the 95 percent UCLs, comparison of the dioxins/furans 95 percent UCL concentration of 5.8 ppt to the ATSDR screening value of 50 ppt is considered appropriate for the property.

The estimated risks for death from lung cancer or mesothelioma for asbestos exposures to residential receptors were below 1×10^{-6}. For construction workers, the best estimate and upper bound concentrations of asbestos range from 1×10^{-7} to 4×10^{-7} for chrysotile fibers, and from zero to 2×10^{-5} for amphibole fibers. It should be noted that the reasonable maximum risk estimates are based on an observed count of zero long amphibole structures. No amphibole structures have been detected at the property. The upper bound estimated risk for death from lung cancer or mesothelioma is associated with the UCL of the Poisson distribution which assumes the mean amphibole concentration is equal to three long amphibole structures per cubic centimeter. However, the high-end risk estimate for deaths from lung cancer or mesothelioma of 1×10^{-5} is a conservative value for the following reasons:

- It is based on a 95 percent UCL of the Poisson distribution of three long amphibole structures although no long amphibole structures have been detected at the property; and

- The values from Tables 8-2 of USEPA (2003b) are recommended only for constant lifetime exposures, not short term exposures such as construction activities.

Thus, the results of the screening-level health risk assessment indicate that exposures to chemicals in soil at the property should not result in adverse health effects to all future on-site receptors.

Data Adequacy

Sample size calculations were conducted for eight analytes (chrysotile asbestos, 2,3,7,8-TCDD, iron, manganese, vanadium, trichloroethylene, beta-BHC, and arsenic) for the property. The formula used here for calculation of sample size is based on a non-parametric test (the Wilcoxon signed rank test), and on simulation studies performed by Pacific Northwest National Laboratories that formed the basis for an approximate formula that is based on the normal distribution. Essentially, the formula is the one that would be used if a normal-based test were being performed, but an adjustment is made (multiply by 1.16) to account for the intent to perform a non-parametric test. The formula is as follows:

$$n = 1.16\left[\frac{s^2}{\Delta^2}(z_{1-\alpha} + z_{1-\beta(\mu)})^2 + 0.5z_{1-\alpha}^2\right]$$

where,

n	=	number of samples
s	=	estimated standard deviation of concentrations/fibers
Δ		width of the gray region (the difference between the threshold value in stated in the hypothesis and the point at which β is specified)
α		significance level or Type I error tolerance
β (μ)		Type II error tolerance; and
z		quantile from the standard normal distribution

For each chemical, inputs for the calculations include an estimate of the variance from the measured data, a desired significance level, and desired power of the test that must be specified at a concentration of interest (which determines the tolerable difference from the threshold value). The calculations provided here cover a range of Type I and Type II error tolerances, and the point at which the Type II error is specified. Results are presented in Table 11. In Table 11, various combinations of input values are used, including: values of α of 5%, 10% and 15%; values of β of 15%, 20%, and 25%; and a gray region of width 10%, 20% and 30%

of the threshold level. It is clear from Table 11 that the number of samples collected is adequate for the property.

Summary

The existing NFA excluded the Parcel 4A property from any further environmental assessment or other response actions, and agreed that development may proceed on the property without environmental restriction based on known present (1997) conditions. The 2007 Parcel 4A investigation was designed to provide sufficient data to support the reaffirmation of the current NFA for the property and to assist in the development of a human health risk assessment, if necessary, for the residential exposure scenario at the property. The 1997 NFA letter also states that "The Division reserves, …all of its authorities with respect to the discovery of contaminated conditions, at, on, in or below the Property that are not described in the final ECR Report, and the receipt by the Division of information, previously unknown to the Division, in the event that either such conditions or information indicate an actual or potential threat to human health or the environment."

Based on the results of the 2007 investigation, this data review, and the screening-level health risk assessment, exposures to residual levels chemicals in soil at the property should not result in adverse health effects to all future on-site receptors. In summary, BRC concludes that the existing NFAD for the Parcel 4A property should be reaffirmed.

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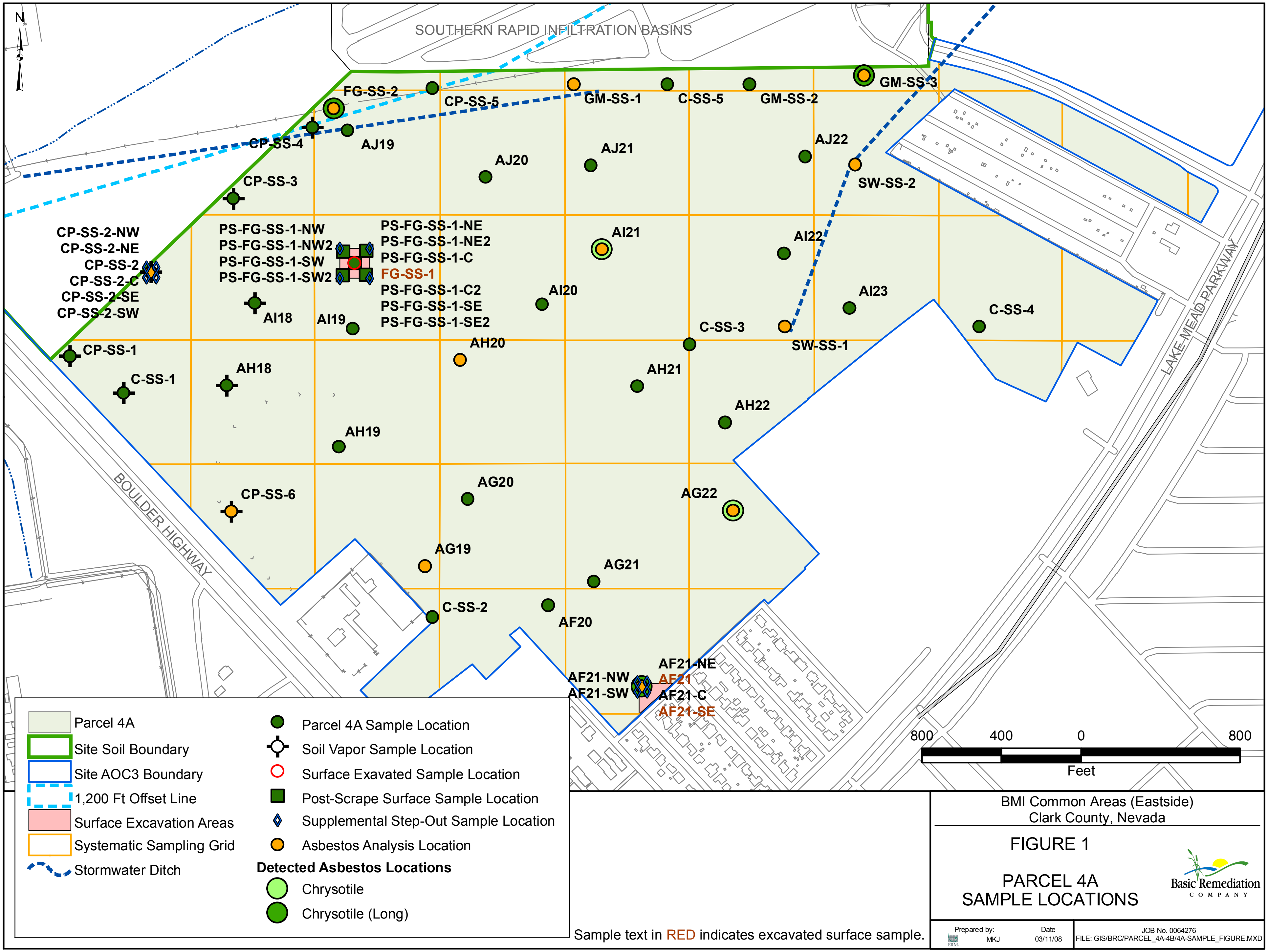
Attachments:
Table 1 – Soil Results Summary
Table 2 – Background Comparison Summary
Table 3 – Chemicals of Potential Concern (COPC) Selection
Table 4 – Exposure Point Concentrations in Soil
Table 5 – Screening-Level Health Risk Assessment Exposure Factors
Table 6 – Uncertainty Analysis
Table 7 – Chemical Risk Summary for the Future Resident
Table 8 – Chemical Risk Summary for the Future Resident using Iron and Vanadium Data around Location FG-SS-1
Table 9 – Chemical Risk Summary for the Future Resident using Iron and Vanadium Data around Location CP-SS-2
Table 10 – Asbestos Risk Summary
Table 11 – Data Adequacy Evaluation
Figure 1 – Parcel 4A Sample Locations
Figure 2 – Site Plan with Historic Sample Locations and Potential Source Areas
Figure 3 – Conceptual Site Model Diagram for Potential Human Exposures
Attachment A – Response to NDEP Comments and Redline/Strikeout Text
Attachment B – 2007 Parcel 4A/4B Investigation Data Tables (Database on CD)
Attachment C – Cumulative Probability Plots and Box-and-Whisker Plots
Attachment D – Chemicals of Potential Concern (COPC) Bubble Plots
Attachment E – Screening-Level Health Risk Assessment Calculation Spreadsheets (on CD)

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

March 12, 2008

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009) Date
BRC Project Manager

Figures



BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 1

PARCEL 4A
SAMPLE LOCATIONS

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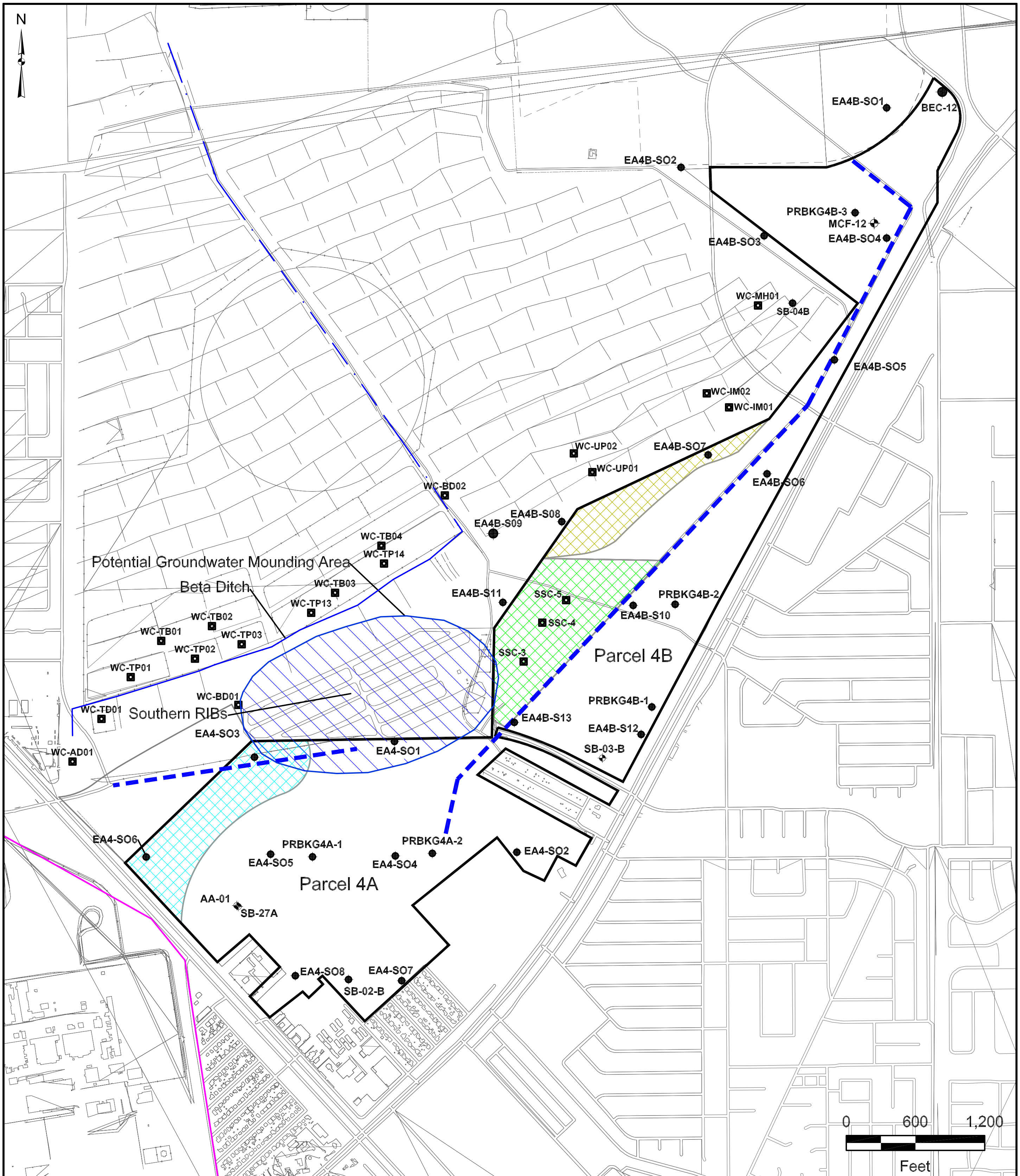
MKJ	03/11/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_FIGURE.MXD



Site Boundary

Beta Ditch

TIMET Facility Boundary

Stormwater Ditch

AA-01 Monitoring Well Locations

WC-TB-01 Composite Soil Sample Locations

EA4-SO1 Discrete Soil Sample Locations

Anomalous Sampling Area

Radiation Survey Area

VOCs in Groundwater/Area Adjacent to TIMET and Beta Ditch

Potential Groundwater Mounding Area

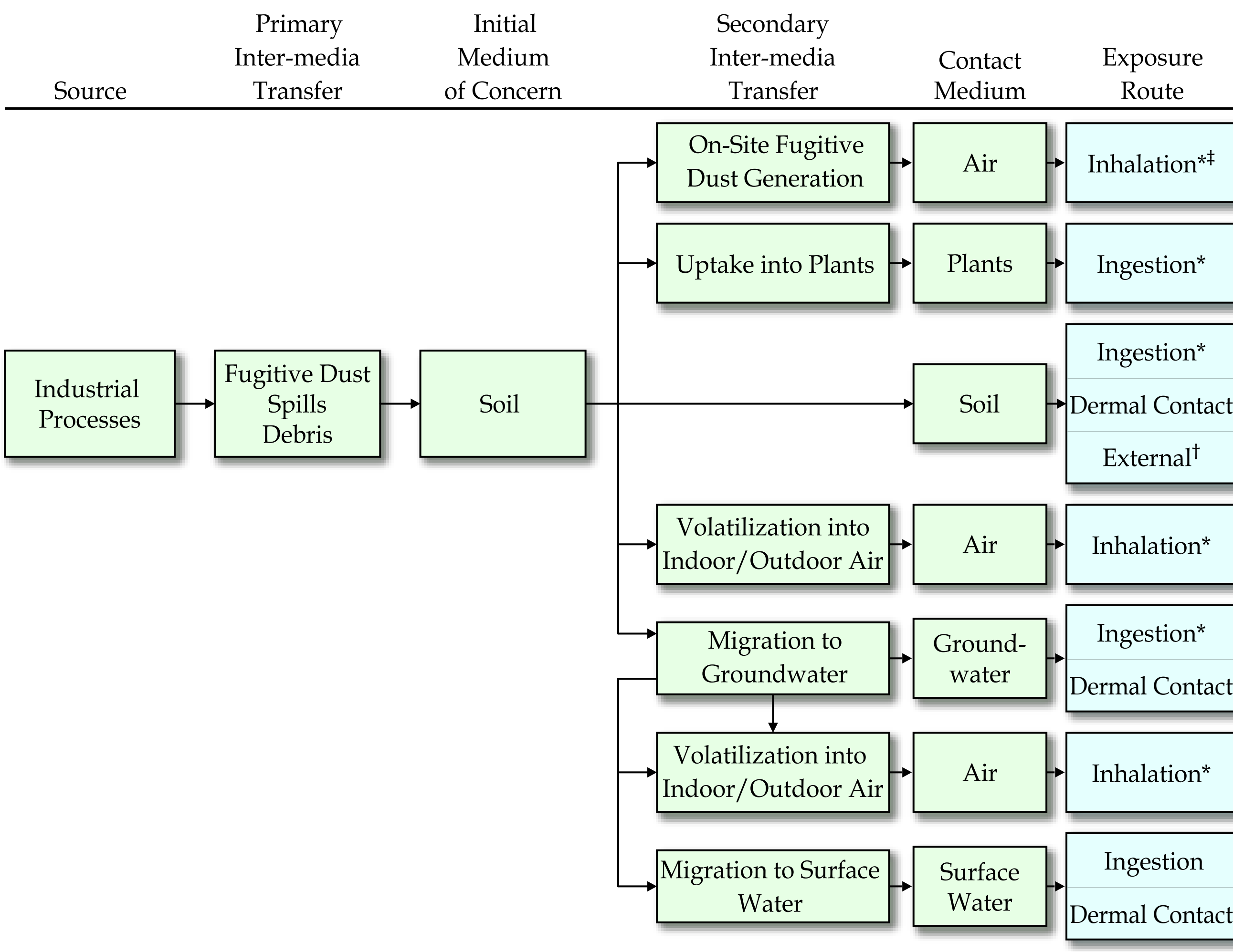
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 2

SITE PLAN WITH HISTORIC SAMPLE LOCATIONS AND POTENTIAL SOURCE AREAS

Basic Remediation Company

Prepared by:	Date	JOB No. 0064276
ERM MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/AREAS_FIGURE.AI



Potential Future Human Receptors

Contact Medium	Exposure Route	Adult and Child Resident	Construction Worker	Indoor Commercial Worker	Outdoor Maintenance Worker	Trespasser/ Recreational User
Air (On-Site Fugitive Dust Generation)	Inhalation*‡	■	■	□	◩	◩
Plants	Ingestion*	■	□	□	□	□
Soil	Ingestion*	■	◩	◩	◩	◩
Soil	Dermal Contact	■	◩	□	◩	◩
Soil	External†	■	◩	◩	◩	◩
Air (Volatilization into Indoor/Outdoor Air)	Inhalation*	■	◩	◩	◩	◩
Groundwater	Ingestion*	□	◩	□	□	□
Groundwater	Dermal Contact	□	◩	□	□	□
Air (Volatilization into Indoor/Outdoor Air)	Inhalation*	■	◩	◩	◩	◩
Surface Water	Ingestion	□[1]	□	□	□	□[1]
Surface Water	Dermal Contact	□[1]	□	□	□	□[1]

□ - Incomplete or insignificant exposure pathway.
■ - Complete or potentially complete exposure pathway.
◩ - Although a potentially complete exposure pathway, only residential receptors (and construction workers for asbestos exposures) were evaluated in the screening-level health risk assessment and are considered protective of all other receptors (see text).

[1]Potentially complete exposure pathway following discharge to Las Vegas Wash and Lake Mead.

*Includes radionuclide exposures.

†Only radionuclide exposures.

‡Includes asbestos exposures.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 3

CONCEPTUAL SITE MODEL DIAGRAM FOR POTENTIAL HUMAN EXPOSURES

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/CSM_DIAGRAM.AI

Tables

Parameter of Interest	Chemical	Result Unit	Total Count[a]	Detect Count[a]	Detect Freqncy	Minimum Detect[b]	Maximum Detect[b]	Location of Maximum Detect	Historic Data Min. Detect	Historic Data Max. Detect	Minimum Non-Detect Limit[c]	Maximum Non-Detect Limit[c]
Dioxins/Furans	TCDD TEF[f]	pg/g	47	39	83%	0.82	17.3	AH20 @ 0'	0.17	9.1	--	--
Asbestos[g]	Chrysotile	Structures	11	2	18%	1	1	FG-SS-2 @ 0'	--	--	--	--
	Amphibole	Structures	11	0	0%	--	--	--	--	--	--	--
Metals	Aluminum	mg/kg	130	130	100%	7900	14600	GM-SS-3 @ 4 ft'	8770	13800	12.6	13.7
	Antimony	mg/kg	130	94	72%	0.13	1.1	CP-SS-5 @ 9 ft'	0.28	0.44	1.3	1.4
	Arsenic	mg/kg	130	129	99%	1.6	6.3	C-SS-2 @ 0 ft'	1.4	4.7	2.5	5.4
	Barium	mg/kg	130	130	100%	113	589	C-SS-5 @ 9 ft'	129	320	5.1	5.5
	Beryllium	mg/kg	130	130	100%	0.41	0.74	AG19 @ 4 ft'	0.38	0.75	0.25	0.27
	Boron	mg/kg	130	28	22%	5.5	26.3	AI22 @ 9 ft'	4.8	4.8	25.2	27.4
	Cadmium	mg/kg	130	98	75%	0.064	0.36	C-SS-4 @ 0 ft'	0.15	0.15	0.13	0.14
	Calcium	mg/kg	130	130	100%	13700	60700	GM-SS-3 @ 4 ft'	15100	57300	126	137
	Chromium (Total)	mg/kg	130	130	100%	5	67.2	AJ21 @ 9 ft'	7.7	19	2.5	2.7
	Chromium (VI)	mg/kg	130	0	0%	--	--	--	--	--	0.4	0.44
	Cobalt	mg/kg	130	130	100%	6.5	12.9	AH18 @ 4 ft'	6.6	10.7	0.51	0.55
	Copper	mg/kg	130	130	100%	11.4	22.8	C-SS-1 @ 9 ft'	15.1	23.2	2.5	2.7
	Iron	mg/kg	153	153	100%	10100	27100	PS-FG-SS-1-C	10900	24100	7.5	13.7
	Lead	mg/kg	130	130	100%	5.8	45.6	C-SS-4 @ 0 ft'	5.8	37	0.76	0.82
	Lithium	mg/kg	130	130	100%	8.4	20.7	AI22 @ 9 ft'	7.9	16.9	5.1	25.4
	Magnesium	mg/kg	130	130	100%	7210	12700	AI18 @ 0 ft'	7360	13400	126	137
	Manganese	mg/kg	130	130	100%	275	1090	CP-SS-1 @ 0 ft'	297	811	0.51	0.55
	Mercury	mg/kg	5	5	100%	0.011	0.015	PS-FG-SS-1-NE			0.034	0.034
	Molybdenum	mg/kg	130	129	99%	0.15	3.5	AH18 @ 0 ft'	0.24	0.93	1.3	1.4
	Nickel	mg/kg	130	130	100%	10	44.6	AJ21 @ 9 ft'	12.1	19.1	1.3	1.4
	Niobium	mg/kg	130	24	18%	0.85	9.8	CP-SS-1 @ 0 ft'	--	--	6.3	6.8
	Palladium	mg/kg	130	118	91%	0.14	2.3	AI22 @ 4 ft'	0.38	0.78	0.25	0.27
	Phosphorus	mg/kg	130	130	100%	953	2290	AJ22 @ 0 ft'	1130	1820	126	137
	Platinum	mg/kg	130	1	0.8%	0.049	0.049	AH19 @ 4 ft'	--	--	0.25	0.27
	Potassium	mg/kg	130	130	100%	886	2980	AI23 @ 0 ft'	1130	2520	25.2	27.4
	Selenium	mg/kg	130	5	4%	0.3	0.84	AI22 @ 9 ft'	0.15	0.28	1.3	1.4
	Silicon	mg/kg	130	130	100%	144	777	PS-FG-SS-1-NE	181	601	63.1	68.5
	Silver	mg/kg	130	130	100%	0.074	0.2	AH20 @ 0 ft'	0.088	0.16	0.51	0.55
	Sodium	mg/kg	130	130	100%	209	2230	FG-SS-2 @ 9 ft'	614	1550	50.5	54.8
	Strontium	mg/kg	130	130	100%	108	814	AI22 @ 4 ft'	194	348	1.3	1.4
	Sulfur	mg/kg	130	122	94%	219	2190	AI22 @ 4 ft'	--	--	511	2540
	Thallium	mg/kg	130	11	8%	0.18	1.3	AI22 @ 9 ft'	--	--	0.51	0.55
	Tin	mg/kg	130	105	81%	0.33	2.1	C-SS-4 @ 0 ft'	0.41	1.1	0.51	0.55
	Titanium	mg/kg	130	130	100%	348	1340	PS-FG-SS-1-C	460	1100	1.3	1.4
	Tungsten	mg/kg	130	66	51%	0.24	3.1	AH18 @ 0 ft'	0.26	0.74	1.3	1.4
	Uranium	mg/kg	130	130	100%	0.49	1.8	AI22 @ 9 ft'	0.74	1.2	0.25	0.27
	Vanadium	mg/kg	153	153	100%	23.4	92.9	PS-FG-SS-1-C	23.7	65	0.786	2.7

Parameter of Interest	Chemical	Result Unit	Total Count[a]	Detect Count[a]	Detect Freqncy	Minimum Detect[b]	Maximum Detect[b]	Location of Maximum Detect	Historic Data Min. Detect	Historic Data Max. Detect	Minimum Non-Detect Limit[c]	Maximum Non-Detect Limit[c]
Metals	Zinc	mg/kg	130	130	100%	28.8	66.4	CP-SS-1 @ 0 ft'	42.4	67.5	5.1	5.5
	Zirconium	mg/kg	128	128	100%	17	38.6	CP-SS-1 @ 0 ft'	9.4	19	10.4	27.4
Organochlorine Pesticides	2,4-DDD	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	2,4-DDE	mg/kg	126	4	3%	0.0022	0.0075	SW-SS-1 @ 0 ft'	--	--	0.0017	0.018
	4,4-DDD	mg/kg	126	0	0%	--	--	--	1.9	3.1	0.0017	0.018
	4,4-DDE	mg/kg	126	20	16%	0.0018	0.018	SW-SS-1 @ 0 ft'	2.1	43	0.0017	0.018
	4,4-DDT	mg/kg	126	8	6%	0.002	0.0067	C-SS-4 @ 0 ft'	8.6	16	0.0017	0.018
	Aldrin	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	alpha-BHC	mg/kg	126	0	0%	--	--	--	11	20	0.0017	0.018
	alpha-Chlordane	mg/kg	126	3	2%	0.0026	0.0032	SW-SS-1 @ 0 ft'	--	--	0.0017	0.018
	beta-BHC	mg/kg	126	12	10%	0.0018	0.025	AI18 @ 0 ft'	2.2	15	0.0017	0.018
	Chlordane	mg/kg	126	2	2%	0.02	0.023	C-SS-4 @ 0 ft'	--	--	0.017	0.18
	delta-BHC	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Dieldrin	mg/kg	126	1	0.8%	0.0018	0.0018	SW-SS-1 @ 0 ft'	--	--	0.0017	0.018
	Endosulfan I	mg/kg	126	0	0%	--	--	--	2.2	15	0.0017	0.018
	Endosulfan II	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Endosulfan sulfate	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Endrin	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Endrin aldehyde	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Endrin ketone	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	gamma-Chlordane	mg/kg	126	3	2%	0.0033	0.0046	SW-SS-1 @ 0 ft'	0.89	2.1	0.0017	0.018
	Heptachlor	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Heptachlor epoxide	mg/kg	126	0	0%	--	--	--	--	--	0.0017	0.018
	Lindane	mg/kg	126	0	0%	--	--	--	5.2	9.6	0.0017	0.018
	Methoxychlor	mg/kg	126	0	0%	--	--	--	62	140	0.0034	0.034
	Toxaphene	mg/kg	126	0	0%	--	--	--	--	--	0.068	0.7
Petroleum Hydrocarbons	TPH as Gasoline	mg/kg	37	0	0%	--	--	--	--	--	0.1	26
	Oil/Grease	mg/kg	37	0	0%	--	--	--	--	--	204	218
	Mineral Spirits	mg/kg	37	0	0%	--	--	--	--	--	26	260
	TPH as Diesel	mg/kg	37	0	0%	--	--	--	--	--	26	260
PAHs	Acenaphthene	mg/kg	125	0	0%	--	--	--	--	--	0.051	0.26
	Acenaphthylene	mg/kg	125	0	0%	--	--	--	--	--	0.1	0.34
	Anthracene	mg/kg	125	0	0%	--	--	--	--	--	0.031	0.16
	Benzo(a)anthracene	mg/kg	125	0	0%	--	--	--	--	--	0.015	0.078
	Benzo(a)pyrene	mg/kg	125	0	0%	--	--	--	--	--	0.015	0.078
	Benzo(b)fluoranthene	mg/kg	125	0	0%	--	--	--	--	--	0.015	0.078
	Benzo(g,h,i)perylene	mg/kg	125	0	0%	--	--	--	--	--	0.031	0.16
	Benzo(k)fluoranthene	mg/kg	125	0	0%	--	--	--	--	--	0.015	0.078
	Chrysene	mg/kg	125	0	0%	--	--	--	--	--	0.015	0.078
	Dibenzo(a,h)anthracene	mg/kg	125	0	0%	--	--	--	--	--	0.031	0.16

Parameter of Interest	Chemical	Result Unit	Total Count[a]	Detect Count[a]	Detect Freqncy	Minimum Detect[b]	Maximum Detect[b]	Location of Maximum Detect	Historic Data Min. Detect	Historic Data Max. Detect	Minimum Non-Detect Limit[c]	Maximum Non-Detect Limit[c]
PAHs	Indeno(1,2,3-cd)pyrene	mg/kg	125	0	0%	--	--	--	--	--	0.015	0.078
	Phenanthrene	mg/kg	125	0	0%	--	--	--	--	--	0.031	0.16
	Pyrene	mg/kg	125	0	0%	--	--	--	--	--	0.031	0.16
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	1,4-Dioxane	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2,2'-/4,4'-Dichlorobenzil	mg/kg	120	0	0%	--	--	--	--	--	0.33	1.4
	2,4,5-Trichlorophenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2,4,6-Trichlorophenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2,4-Dichlorophenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2,4-Dimethylphenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2,4-Dinitrophenol	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	2,4-Dinitrotoluene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2,6-Dinitrotoluene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2-Chloronaphthalene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2-Chlorophenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2-Methylnaphthalene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	2-Nitroaniline	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	2-Nitrophenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	3,3'-Dichlorobenzidine	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	3-Methylphenol/4-Methylphenol	mg/kg	125	0	0%	--	--	--	--	--	0.67	0.72
	3-Nitroaniline	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	4-Bromophenyl phenyl ether	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	4-Chloro-3-Methylphenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	4-Chlorophenyl phenyl ether	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	4-Chlorothioanisole	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	4-Nitrophenol	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	Acetophenone	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Aniline	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Azobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Benzenethiol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Benzoic acid	mg/kg	125	1	0.8%	0.065	0.065	AJ21 @ 0 ft'	--	--	1.6	1.8
	Benzyl alcohol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Benzyl butyl phthalate	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	bis(2-Chloroethoxy) methane	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	bis(2-Chloroethyl) ether	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	bis(2-Chloroisopropyl) ether	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	bis(2-Ethylhexyl) phthalate	mg/kg	125	2	2%	0.079	13	GM-SS-2 @ 4 ft'	95	95	0.34	3.5
	bis(p-Chlorophenyl) disulfide	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	bis(p-Chlorophenyl) sulfone	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Carbazole	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36

Parameter of Interest	Chemical	Result Unit	Total Count[a]	Detect Count[a]	Detect Freqncy	Minimum Detect[b]	Maximum Detect[b]	Location of Maximum Detect	Historic Data Min. Detect	Historic Data Max. Detect	Minimum Non-Detect Limit[c]	Maximum Non-Detect Limit[c]
SVOCs	Dibenzofuran	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Dibutyl phthalate	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Diethyl phthalate	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Dimethyl phthalate	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Di-n-octyl phthalate	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Diphenyl sulfone	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Fluoranthene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Fluorene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Hexachloro-1,3-butadiene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Hexachlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Hexachlorocyclopentadiene	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	Hexachloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Hydroxymethyl phthalimide	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Isophorone	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Naphthalene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Nitrobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	N-nitrosodi-n-propylamine	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	N-nitrosodiphenylamine	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	o-Cresol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Octachlorostyrene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	p-Chloroaniline	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	p-Chlorothiophenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Pentachlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Pentachlorophenol	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	Phenol	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Phenyl Disulfide	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Phenyl Sulfide	mg/kg	125	0	0%	--	--	--	--	--	0.34	0.36
	Phthalic acid	mg/kg	125	1	0.8%	3	3	CP-SS-6 @ 0 ft'	--	--	1.6	1.8
	p-Nitroaniline	mg/kg	125	0	0%	--	--	--	--	--	1.6	1.8
	Pyridine	mg/kg	125	0	0%	--	--	--	--	--	0.67	0.72
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,1,1-Trichloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,1,2,2-Tetrachloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,1,2-Trichloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,1-Dichloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,1-Dichloroethylene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,1-Dichloropropene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,2,3-Trichlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,2,3-Trichloropropane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,2,4-Trichlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079

Parameter of Interest	Chemical	Result Unit	Total Count[a]	Detect Count[a]	Detect Freqncy	Minimum Detect[b]	Maximum Detect[b]	Location of Maximum Detect	Historic Data Min. Detect	Historic Data Max. Detect	Minimum Non-Detect Limit[c]	Maximum Non-Detect Limit[c]
VOCs	1,2,4-Trimethylbenzene	mg/kg	125	1	0.8%	0.0005	0.0005	AH20 @ 0 ft'	--	--	0.0046	0.0079
	1,2-Dibromo-3-chloropropane	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	1,2-Dichlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,2-Dichloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,2-Dichloroethylene	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	1,2-Dichloropropane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,3,5- Trichlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,3,5-Trimethylbenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,3-Dichlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,3-Dichloropropane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1,4-Dichlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	1-Nonanal	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	2,2,3-Trimethylbutane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	2,2-Dichloropropane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	2,2-Dimethylpentane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	2,3-Dimethylpentane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	2,4-Dimethylpentane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	2-Chlorotoluene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	2-Nitropropane	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	2-Phenylbutane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	3,3-dimethylpentane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	3-ethylpentane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	3-Methylhexane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	4-Chlorotoluene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Acetone	mg/kg	125	8	6%	0.0059	0.045	AF21 @ 4 ft'	32	54	0.019	0.032
	Acetonitrile	mg/kg	125	0	0%	--	--	--	--	--	0.046	0.079
	Benzene	mg/kg	125	0	0%	--	--	--	0.49	0.71	0.0046	0.0079
	Bromobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Bromodichloromethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Bromomethane	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	Carbon disulfide	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Carbon tetrachloride	mg/kg	125	7	6%	0.00096	0.0022	FG-SS-1 @ 4 ft'	--	--	0.0046	0.0079
	Freon 11	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Freon 12	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	Freon 113	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Chlorobenzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Chlorobromomethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Chlorodibromomethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Chloroethane	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	Chloroform	mg/kg	125	1	0.8%	0.0010	0.0010	SW-SS-1 @ 0 ft'	--	--	0.0046	0.0079

Parameter of Interest	Chemical	Result Unit	Total Count[a]	Detect Count[a]	Detect Freqncy	Minimum Detect[b]	Maximum Detect[b]	Location of Maximum Detect	Historic Data Min. Detect	Historic Data Max. Detect	Minimum Non-Detect Limit[c]	Maximum Non-Detect Limit[c]
VOCs	Chloromethane	mg/kg	125	0	0%	--	--	--	--	--	0.0093	0.016
	cis-1,2-Dichloroethylene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	cis-1,3-Dichloropropylene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Cymene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Dibromomethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Dichloromethane	mg/kg	125	6	5%	0.0034	0.017	AG20 @ 4 ft'	--	--	0.0046	0.0079
	Ethanol	mg/kg	125	1	0.8%	0.27	0.27	AF20 @ 4 ft'	--	--	0.23	0.4
	Ethylbenzene	mg/kg	125	2	2%	0.00045	0.0053	AH20 @ 0 ft'	--	--	0.0046	0.0079
	Hexane, 2-methyl-	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Isopropylbenzene	mg/kg	125	0	0.0%	0.00053	0.00053	AH20 @ 0 ft'	--	--	0.0046	0.0079
	m,p-Xylene	mg/kg	125	2	2%	0.0012	0.046	AH20 @ 0 ft'	--	--	0.0046	0.0079
	Methyl disulfide	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Methyl ethyl ketone	mg/kg	125	3	2%	0.0039	0.014	AF21 @ 4 ft'	6.9	13	0.019	0.032
	Methyl iodide	mg/kg	125	1	0.8%	0.0014	0.0014	AG20 @ 0 ft'	--	--	0.0046	0.0079
	Methyl isobutyl ketone	mg/kg	125	0	0%	--	--	--	--	--	0.019	0.032
	Methyl n-butyl ketone	mg/kg	125	0	0%	--	--	--	--	--	0.019	0.032
	MTBE (Methyl tert-butyl ether)	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	n-Butyl benzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	n-Heptane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	n-Propyl benzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	o-Xylene	mg/kg	125	1	0.8%	0.036	0.036	AH20 @ 0 ft'	--	--	0.0046	0.0079
	Styrene (monomer)	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	tert-Butyl benzene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Tetrachloroethylene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Toluene	mg/kg	125	72	58%	0.00045	0.012	AH20 @ 0 ft'	--	--	0.0046	0.0079
	trans-1,3-Dichloropropylene	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Tribromomethane	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Trichloroethylene	mg/kg	125	60	48%	0.00099	0.023	FG-SS-1 @ 4 ft'	0.68	0.73	0.0046	0.0079
	Vinyl acetate	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Vinyl chloride	mg/kg	125	0	0%	--	--	--	--	--	0.0046	0.0079
	Xylenes (total)	mg/kg	125	1	0.8%	0.082	0.082	AH20 @ 0 ft'	--	--	0.0093	0.016

a - Total count and detected count are based on all individual sample results, including primary and field duplicate sample results. Counts do not included excavated samples.
b - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the data set.
c - The quantitation limits shown include samples which had detections.
d - From USEPA Region 9 preliminary remediation goals (PRG) table, October 2004 (and the 2007 USEPA radionuclide PRG webpage; http://epa-prgs.ornl.gov/radionuclides). Values used are residential soil PRGs and soil screening levels (SSLs) based on dilution attenuation factors (DAFs) of 1 and 20.
e - Values used are the maximum from the shallow soils background dataset presented in the Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity (BRC/TIMET 2007).
f - Agency for Toxic Substances and Disease Registry (ATSDR) screening value of 50 parts per trillion (ppt).
g - Asbestos results shown are for long protocol structures (>10um).

Parameter of Interest	Chemical	Result Unit	Residential PRG	Count of Detects > PRG[d]	SSL (DAF = 1)	Count of Detects > SSL (DAF1)[d]	SSL (DAF = 20)	Count of Detects > SSL (DAF20)[d]	Maximum Background Level	Count of Detects > Background[e]
Dioxins/Furans	TCDD TEF[f]	pg/g	50	0	--	--	--	--	--	--
Asbestos[g]	Chrysotile	Structures	--	--	--	--	--	--	--	--
	Amphibole	Structures	--	--	--	--	--	--	--	--
Metals	Aluminum	mg/kg	76142	0	--	--	--	--	15,300	0
	Antimony	mg/kg	31	0	0.3	11	5	0	0.5	1
	Arsenic	mg/kg	0.39	130	1	130	29	0	7.2	0
	Barium	mg/kg	5375	0	82	130	1600	0	836	0
	Beryllium	mg/kg	154	0	3	0	63	0	0.89	0
	Boron	mg/kg	16000	0	--	--	--	--	11.6	1
	Cadmium	mg/kg	37	0	0.4	0	8	0	0.16	14
	Calcium	mg/kg	--	--	--	--	--	--	82,800	0
	Chromium (Total)	mg/kg	100000	0	--	--	--	--	16.7	11
	Chromium (VI)	mg/kg	30	0	2	0	38	0	0.25	0
	Cobalt	mg/kg	903	0	--	--	--	--	16.3	0
	Copper	mg/kg	3129	0	--	--	--	--	30.5	0
	Iron	mg/kg	23463	3	--	--	--	--	19,700	70
	Lead	mg/kg	400	0	--	--	--	--	35.1	2
	Lithium	mg/kg	--	--	--	--	--	--	26.5	0
	Magnesium	mg/kg	--	--	--	--	--	--	17,500	0
	Manganese	mg/kg	1762	0	--	--	--	--	1,090	0
	Mercury	mg/kg	23	0	--	--	--	--		0
	Molybdenum	mg/kg	391	0	--	--	--	--	2.0	2
	Nickel	mg/kg	1564	0	7	130	130	0	30	1
	Niobium	mg/kg	--	--	--	--	--	--	2.8	1
	Palladium	mg/kg	--	--	--	--	--	--	1.5	2
	Phosphorus	mg/kg	--	--	--	--	--	--	2,010	0
	Platinum	mg/kg	--	--	--	--	--	--	0.099	0
	Potassium	mg/kg	--	--	--	--	--	--	3,890	0
	Selenium	mg/kg	391	0	0.3	4	5	0	0.6	1
	Silicon	mg/kg	--	--	--	--	--	--	4,150	0
	Silver	mg/kg	391	0	2	0	34	0	0.2609	0
	Sodium	mg/kg	--	--	--	--	--	--	1,320	3
	Strontium	mg/kg	46924	0	--	--	--	--	808	1
	Sulfur	mg/kg	--	--	--	--	--	--	--	0
	Thallium	mg/kg	5.2	0	--	--	--	--	1.8	0
	Tin	mg/kg	46924	0	--	--	--	--	0.8	14
	Titanium	mg/kg	100000	0	--	--	--	--	1,010	15
	Tungsten	mg/kg	--	--	--	--	--	--	2.5	2
	Uranium	mg/kg	15.6	0	--	--	--	--	2.7	0
	Vanadium	mg/kg	78	2	300	0	6000	0	59.1	24

Parameter of Interest	Chemical	Result Unit	Residential PRG	Count of Detects > PRG[d]	SSL (DAF = 1)	Count of Detects > SSL (DAF1)[d]	SSL (DAF = 20)	Count of Detects > SSL (DAF20)[d]	Maximum Background Level	Count of Detects > Background[e]
Metals	Zinc	mg/kg	23463	0	620	0	12000	0	121	0
	Zirconium	mg/kg	--	--	--	--	--	--	179	0
Organochlorine Pesticides	2,4-DDD	mg/kg	--	--	--	--	--	--	--	--
	2,4-DDE	mg/kg	--	--	--	--	--	--	--	--
	4,4-DDD	mg/kg	2.4	0	0.8	0	16	0	--	--
	4,4-DDE	mg/kg	1.7	0	3	0	54	0	--	--
	4,4-DDT	mg/kg	1.7	0	2	0	32	0	--	--
	Aldrin	mg/kg	0.029	0	0.02	0	0.5	0	--	--
	alpha-BHC	mg/kg	0.09	0	3E-05	0	0.0005	0	--	--
	alpha-Chlordane	mg/kg	1.6	0	0.5	0	10	0	--	--
	beta-BHC	mg/kg	0.32	0	1E-04	12	0.003	6	--	--
	Chlordane	mg/kg	1.6	0	0.5	0	10	0	--	--
	delta-BHC	mg/kg	--	--	--	--	--	--	--	--
	Dieldrin	mg/kg	0.03	0	0.0002	1	0.004	0	--	--
	Endosulfan I	mg/kg	367	0	0.9	0	18	0	--	--
	Endosulfan II	mg/kg	367	0	0.9	0	18	0	--	--
	Endosulfan sulfate	mg/kg	--	--	--	--	--	--	--	--
	Endrin	mg/kg	18	0	0.05	0	1	0	--	--
	Endrin aldehyde	mg/kg	--	--	--	--	--	--	--	--
	Endrin ketone	mg/kg	--	--	--	--	--	--	--	--
	gamma-Chlordane	mg/kg	1.6	0	0.5	0	10	0	--	--
	Heptachlor	mg/kg	0.11	0	1	0	23	0	--	--
	Heptachlor epoxide	mg/kg	0.053	0	0.03	0	0.7	0	--	--
	Lindane	mg/kg	0.44	0	0.0005	0	0.009	0	--	--
	Methoxychlor	mg/kg	306	0	8	0	160	0	--	--
	Toxaphene	mg/kg	0.44	0	2	0	31	0	--	--
Petroleum Hydrocarbons	TPH as Gasoline	mg/kg	--	--	--	--	--	--	--	--
	Oil/Grease	mg/kg	--	--	--	--	--	--	--	--
	Mineral Spirits	mg/kg	--	--	--	--	--	--	--	--
	TPH as Diesel	mg/kg	--	--	--	--	--	--	--	--
PAHs	Acenaphthene	mg/kg	3682	0	29	0	570	0	--	--
	Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--
	Anthracene	mg/kg	21896	0	590	0	12000	0	--	--
	Benzo(a)anthracene	mg/kg	0.62	0	0.08	0	2	0	--	--
	Benzo(a)pyrene	mg/kg	0.062	0	0.4	0	8	0	--	--
	Benzo(b)fluoranthene	mg/kg	0.62	0	0.2	0	5	0	--	--
	Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	mg/kg	6.2	0	2	0	49	0	--	--
	Chrysene	mg/kg	62	0	8	0	160	0	--	--
	Dibenzo(a,h)anthracene	mg/kg	0.062	0	0.08	0	2	0	--	--

Parameter of Interest	Chemical	Result Unit	Residential PRG	Count of Detects > PRG[d]	SSL (DAF = 1)	Count of Detects > SSL (DAF1)[d]	SSL (DAF = 20)	Count of Detects > SSL (DAF20)[d]	Maximum Background Level	Count of Detects > Background[e]
PAHs	Indeno(1,2,3-cd)pyrene	mg/kg	0.62	0	0.7	0	14	0	--	--
	Phenanthrene	mg/kg	--	--	--	--	--	--	--	--
	Pyrene	mg/kg	2316	0	210	0	4200	0	--	--
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	18	0	--	--	--	--	--	--
	1,4-Dioxane	mg/kg	44	0	--	--	--	--	--	--
	2,2'-/4,4'-Dichlorobenzil	mg/kg	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	mg/kg	6110	0	14	0	270	0	--	--
	2,4,6-Trichlorophenol	mg/kg	6.1	0	0.008	0	0.2	0	--	--
	2,4-Dichlorophenol	mg/kg	183	0	0.05	0	1	0	--	--
	2,4-Dimethylphenol	mg/kg	1222	0	0.4	0	9	0	--	--
	2,4-Dinitrophenol	mg/kg	122	0	0.01	0	0.3	0	--	--
	2,4-Dinitrotoluene	mg/kg	0.72	0	4E-05	0	0.0008	0	--	--
	2,6-Dinitrotoluene	mg/kg	0.72	0	3E-05	0	0.0007	0	--	--
	2-Chloronaphthalene	mg/kg	4937	0	--	--	--	--	--	--
	2-Chlorophenol	mg/kg	63	0	0.2	0	4	0	--	--
	2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--
	2-Nitroaniline	mg/kg	183	0	--	--	--	--	--	--
	2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	mg/kg	1.1	0	0.0003	0	0.007	0	--	--
	3-Methylphenol/4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--
	3-Nitroaniline	mg/kg	18	0	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--
	4-Chloro-3-Methylphenol	mg/kg	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	mg/kg	--	--	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--
	Acetophenone	mg/kg	--	--	--	--	--	--	--	--
	Aniline	mg/kg	85	0	--	--	--	--	--	--
	Azobenzene	mg/kg	4.4	0	--	--	--	--	--	--
	Benzenethiol	mg/kg	--	--	--	--	--	--	--	--
	Benzoic acid	mg/kg	100000	0	20	0	400	0	--	--
	Benzyl alcohol	mg/kg	18331	0	--	--	--	--	--	--
	Benzyl butyl phthalate	mg/kg	12221	0	810	0	930	0	--	--
	bis(2-Chloroethoxy) methane	mg/kg	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	0.22	0	0.00002	0	0.0004	0	--	--
	bis(2-Chloroisopropyl) ether	mg/kg	2.9	0	--	--	--	--	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	35	0	--	--	--	--	--	--
	bis(p-Chlorophenyl) disulfide	mg/kg	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl) sulfone	mg/kg	--	--	--	--	--	--	--	--
	Carbazole	mg/kg	24	0	0	0	0.6	0	--	--

Parameter of Interest	Chemical	Result Unit	Residential PRG	Count of Detects > PRG[d]	SSL (DAF = 1)	Count of Detects > SSL (DAF1)[d]	SSL (DAF = 20)	Count of Detects > SSL (DAF20)[d]	Maximum Background Level	Count of Detects > Background[e]
SVOCs	Dibenzofuran	mg/kg	145	0	--	--	--	--	--	--
	Dibutyl phthalate	mg/kg	6110	0	270	0	2300	0	--	--
	Diethyl phthalate	mg/kg	48882	0	--	--	--	--	--	--
	Dimethyl phthalate	mg/kg	100000	0	--	--	--	--	--	--
	Di-n-octyl phthalate	mg/kg	2444	0	10000	0	10000	0	--	--
	Diphenyl sulfone	mg/kg	183.3	0	--	--	--	--	--	--
	Fluoranthene	mg/kg	2294	0	210	0	4300	0	--	--
	Fluorene	mg/kg	2747	0	28	0	560	0	--	--
	Hexachloro-1,3-butadiene	mg/kg	6.2	0	0.1	0	2	0	--	--
	Hexachlorobenzene	mg/kg	0.3	0	0.1	0	2	0	--	--
	Hexachlorocyclopentadiene	mg/kg	365	0	20	0	400	0	--	--
	Hexachloroethane	mg/kg	35	0	0.02	0	0.5	0	--	--
	Hydroxymethyl phthalimide	mg/kg	--	--	--	--	--	--	--	--
	Isophorone	mg/kg	512	0	0.03	0	0.5	0	--	--
	Naphthalene	mg/kg	56	0	4	0	84	0	--	--
	Nitrobenzene	mg/kg	20	0	0.007	0	0.1	0	--	--
	N-nitrosodi-n-propylamine	mg/kg	0.069	0	0.000002	0	5E-05	0	--	--
	N-nitrosodiphenylamine	mg/kg	99	0	0.06	0	1	0	--	--
	o-Cresol	mg/kg	3055	0	0.8	0	15	0	--	--
	Octachlorostyrene	mg/kg	--	--	--	--	--	--	--	--
	p-Chloroaniline	mg/kg	244	0	0.03	0	0.7	0	--	--
	p-Chlorothiophenol	mg/kg	--	--	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	49	0	--	--	--	--	--	--
	Pentachlorophenol	mg/kg	3	0	0.001	0	0.03	0	--	--
	Phenol	mg/kg	18331	0	5	0	100	0	--	--
	Phenyl Disulfide	mg/kg	--	--	--	--	--	--	--	--
	Phenyl Sulfide	mg/kg	--	--	--	--	--	--	--	--
	Phthalic acid	mg/kg	61103	0	--	--	--	--	--	--
	p-Nitroaniline	mg/kg	23	0	--	--	--	--	--	--
	Pyridine	mg/kg	61	0	--	--	--	--	--	--
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	3.2	0	--	--	--	--	--	--
	1,1,1-Trichloroethane	mg/kg	1200	0	0.1	0	2	0	--	--
	1,1,2,2-Tetrachloroethane	mg/kg	0.41	0	0.0002	0	0.003	0	--	--
	1,1,2-Trichloroethane	mg/kg	0.73	0	0.0009	0	0.02	0	--	--
	1,1-Dichloroethane	mg/kg	506	0	1	0	23	0	--	--
	1,1-Dichloroethylene	mg/kg	124	0	0.003	0	0.06	0	--	--
	1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	0.034	0	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	mg/kg	62	0	0.3	0	5	0	--	--

Parameter of Interest	Chemical	Result Unit	Residential PRG	Count of Detects > PRG[d]	SSL (DAF = 1)	Count of Detects > SSL (DAF1)[d]	SSL (DAF = 20)	Count of Detects > SSL (DAF20)[d]	Maximum Background Level	Count of Detects > Background[e]
VOCs	1,2,4-Trimethylbenzene	mg/kg	52	0	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane	mg/kg	0.46	0	--	--	--	--	--	--
	1,2-Dichlorobenzene	mg/kg	600	0	0.9	0	17	0	--	--
	1,2-Dichloroethane	mg/kg	0.28	0	0.001	0	0.02	0	--	--
	1,2-Dichloroethylene	mg/kg	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	0.34	0	0.001	0	0.03	0	--	--
	1,3,5- Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	21	0	--	--	--	--	--	--
	1,3-Dichlorobenzene	mg/kg	531	0	--	--	--	--	--	--
	1,3-Dichloropropane	mg/kg	105	0	--	--	--	--	--	--
	1,4-Dichlorobenzene	mg/kg	3.4	0	0.1	0	2	0	--	--
	1-Nonanal	mg/kg	--	--	--	--	--	--	--	--
	2,2,3-Trimethylbutane	mg/kg	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--
	2-Chlorotoluene	mg/kg	158	0	--	--	--	--	--	--
	2-Nitropropane	mg/kg	--	--	--	--	--	--	--	--
	2-Phenylbutane	mg/kg	220	0	--	--	--	--	--	--
	3,3-dimethylpentane	mg/kg	--	--	--	--	--	--	--	--
	3-ethylpentane	mg/kg	--	--	--	--	--	--	--	--
	3-Methylhexane	mg/kg	--	--	--	--	--	--	--	--
	4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--
	Acetone	mg/kg	14127	0	0.8	0	16	0	--	--
	Acetonitrile	mg/kg	424	0	--	--	--	--	--	--
	Benzene	mg/kg	0.64	0	0.002	0	0.03	0	--	--
	Bromobenzene	mg/kg	28	0	--	--	--	--	--	--
	Bromodichloromethane	mg/kg	0.82	0	0.03	0	0.6	0	--	--
	Bromomethane	mg/kg	3.9	0	0.01	0	0.2	0	--	--
	Carbon disulfide	mg/kg	355	0	2	0	32	0	--	--
	Carbon tetrachloride	mg/kg	0.25	0	0.003	0	0.07	0	--	--
	Freon 11	mg/kg	386	0	--	--	--	--	--	--
	Freon 12	mg/kg	94	0	--	--	--	--	--	--
	Freon 113	mg/kg	5600	0	--	--	--	--	--	--
	Chlorobenzene	mg/kg	151	0	0.07	0	1	0	--	--
	Chlorobromomethane	mg/kg	--	--	--	--	--	--	--	--
	Chlorodibromomethane	mg/kg	1.1	0	0.02	0	0.4	0	--	--
	Chloroethane	mg/kg	3	0	--	--	--	--	--	--
	Chloroform	mg/kg	0.22	0	0.03	0	0.6	0	--	--

Parameter of Interest	Chemical	Result Unit	Residential PRG	Count of Detects > PRG[d]	SSL (DAF = 1)	Count of Detects > SSL (DAF1)[d]	SSL (DAF = 20)	Count of Detects > SSL (DAF20)[d]	Maximum Background Level	Count of Detects > Background[e]
VOCs	Chloromethane	mg/kg	47	0	--	--	--	--	--	--
	cis-1,2-Dichloroethylene	mg/kg	43	0	0.02	0	0.4	0	--	--
	cis-1,3-Dichloropropylene	mg/kg	0.78	0	0.0002	0	0.004	0	--	--
	Cymene	mg/kg	--	--	--	--	--	--	--	--
	Dibromomethane	mg/kg	67	0	--	--	--	--	--	--
	Dichloromethane	mg/kg	9.1	0	0.001	25	0.02	0	--	--
	Ethanol	mg/kg	--	--	--	--	--	--	--	--
	Ethylbenzene	mg/kg	395	0	0.7	0	13	0	--	--
	Hexane, 2-methyl-	mg/kg	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	572	0	--	--	--	--	--	--
	m,p-Xylene	mg/kg	--	--	--	--	--	--	--	--
	Methyl disulfide	mg/kg	--	--	--	--	--	--	--	--
	Methyl ethyl ketone	mg/kg	22311	0	--	--	--	--	--	--
	Methyl iodide	mg/kg	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	mg/kg	5281	0	--	--	--	--	--	--
	Methyl n-butyl ketone	mg/kg	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	17	0	--	--	--	--	--	--
	n-Butyl benzene	mg/kg	240	0	--	--	--	--	--	--
	n-Heptane	mg/kg	--	--	--	--	--	--	--	--
	n-Propyl benzene	mg/kg	240	0	--	--	--	--	--	--
	o-Xylene	mg/kg	--	--	--	--	--	--	--	--
	Styrene (monomer)	mg/kg	1700	0	0.2	0	4	0	--	--
	tert-Butyl benzene	mg/kg	390	0	--	--	--	--	--	--
	Tetrachloroethylene	mg/kg	0.48	0	0.003	0	0.06	0	--	--
	Toluene	mg/kg	520	0	0.6	0	12	0	--	--
	trans-1,3-Dichloropropylene	mg/kg	0.78	0	0.0002	0	0.004	0	--	--
	Tribromomethane	mg/kg	62	0	0.04	0	0.8	0	--	--
	Trichloroethylene	mg/kg	0.053	0	0.003	35	0.1	0	--	--
	Vinyl acetate	mg/kg	426	0	8	0	170	0	--	--
	Vinyl chloride	mg/kg	0.079	0	0.0007	0	0.01	0	--	--
	Xylenes (total)	mg/kg	271	0	10	0	210	0	--	--

a - Total count and detected count are based on all individual sample results, including primary and field duplicate sample results. Counts do not included excavated samples.
b - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the data set.
c - The quantitation limits shown include samples which had detections.
d - From USEPA Region 9 preliminary remediation goals (PRG) table, October 2004 (and the 2007 USEPA radionuclide PRG webpage; http://epa-prgs.ornl.gov/radionuclides). Values used are residential soil PRGs and soil screening levels (SSLs) based on dilution attenuation factors (DAFs) of 1 and 20.
e - Values used are the maximum from the shallow soils background dataset presented in the Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity (BRC/TIMET 2007).
f - Agency for Toxic Substances and Disease Registry (ATSDR) screening value of 50 parts per trillion (ppt).
g - Asbestos results shown are for long protocol structures (>10um).

Chemical	Background								Site							
	No. of Detects	Total Samples	% Detects	Minimum Detect	Maximum Detect	Median	Mean	Standard Deviation	No. of Detects	Total Samples	% Detects	Minimum Detect	Maximum Detect	Median	Mean	Standard Deviation
Aluminum	120	120	100%	3740	15300	8420	8899	2653	120	120	100%	7970	14600	11300	11400	1084
Antimony	49	120	41%	0.12	0.5	0.1649	0.24	0.1252	87	120	73%	0.13	1.1	0.18	0.3247	0
Arsenic	120	120	100%	2.1	7.2	3.9	4.132	1.135	119	120	99%	1.6	5.6	3	3.093	1
Barium	120	120	100%	73	836	190	222.5	125.6	120	120	100%	113	589	225	233.8	52
Beryllium	120	120	100%	0.16	0.89	0.54	0.5566	0.1634	120	120	100%	0.41	0.74	0.62	0.611	0
Boron	78	104	75%	3.4	11.6	4.25	4.478	2.305	28	120	23%	5.5	14.2	13	11.68	3
Cadmium	16	120	13%	0.052	0.16	0.06455	0.07008	0.01736	90	120	75%	0.064	0.26	0.11	0.1153	0
Calcium	104	104	100%	8160	82800	23650	28130	14860	120	120	100%	13700	60700	23080	24800	8623
Chromium (Total)	120	120	100%	2.6	16.7	8.8	8.937	2.886	120	120	100%	5	67.2	13	13.46	6
Chromium (VI)	0	104	0%	NA	NA	0.13	0.129	0.004202	0	120	0%	NA	NA	0.21	0.2093	0
Cobalt	120	120	100%	3.7	16.3	8.25	8.225	2.479	120	120	100%	6.5	12.9	9.65	9.563	1
Copper	120	120	100%	7.8	30.5	17.2	17.07	4.235	120	120	100%	11.4	22.8	17.9	17.71	2
Iron	120	120	100%	5410	19700	13050	12810	3263	109	109	100%	10100	23300	19600	18930	3037
Lead	120	120	100%	3	35.1	7.75	9.447	5.059	120	120	100%	5.8	29.95	9.75	11.37	5
Lithium	104	104	100%	7.5	26.5	12.75	13.85	4.32	120	120	100%	8.4	20.7	13.15	13.21	2
Magnesium	120	120	100%	4580	17500	9425	9505	3046	120	120	100%	7215	12700	10150	10190	821
Manganese	120	120	100%	151	1090	419	424.9	135.3	120	120	100%	275	1090	480	497.2	108
Mercury	93	120	78%	0.0084	0.11	0.015	0.01762	0.01539	5	5	100%	0.011	0.015	0.013	0.0132	0
Molybdenum	120	120	100%	0.17	2	0.475	0.5467	0.2792	119	120	99%	0.15	2.8	0.52	0.574	0
Nickel	120	120	100%	7.8	30	15.35	15.12	4.238	120	120	100%	10	44.6	16.5	16.52	3
Niobium	69	104	66%	1.1	2.8	1.3	1.25	0.6398	22	120	18%	0.85	9.8	3.25	2.946	1
Palladium	104	104	100%	0.14	1.5	0.4	0.4615	0.2423	109	120	91%	0.14	2.3	0.67	0.6927	0
Platinum	5	104	5%	0.045	0.099	0.02175	0.02411	0.01129	1	120	1%	0.049	0.049	0.13	0.1301	0

Chemical	Background No. of Detects	Background Total Samples	Background % Detects	Background Minimum Detect	Background Maximum Detect	Background Median	Background Mean	Background Standard Deviation	Site No. of Detects	Site Total Samples	Site % Detects	Site Minimum Detect	Site Maximum Detect	Site Median	Site Mean	Site Standard Deviation
Potassium	104	104	100%	625	3890	1535	1730	732.8	120	120	100%	886	2980	1690	1746	421
Selenium	52	120	43%	0.1	0.6	0.07895	0.1779	0.1279	5	120	4%	0.3	0.84	0.65	0.6417	0
Silicon	104	104	100%	335	4150	720	981	780.1	120	120	100%	144	777	221	243	100
Silver	16	120	13%	0.019	0.083	0.1305	0.1197	0.02846	120	120	100%	0.074	0.2	0.15	0.1492	0
Sodium	104	104	100%	111	1320	452	485.7	285.9	120	120	100%	209	2230	729	709.3	308
Strontium	104	104	100%	69	808	186	222.9	132.1	120	120	100%	108	814	279.5	298.3	90
Thallium	101	120	84%	0.1	1.8	0.505	0.6455	0.4594	11	120	9%	0.18	1.3	0.26	0.2692	0
Tin	103	104	99%	0.2	0.8	0.485	0.4759	0.1317	97	120	81%	0.33	1.6	0.585	0.5933	0
Titanium	120	120	100%	200	1010	503.5	510.2	170.8	120	120	100%	348	1340	862	834	182
Tungsten	104	104	100%	0.49	2.5	1.05	1.178	0.426	60	120	50%	0.24	3.1	0.65	0.5774	0
Uranium	103	103	100%	0.43	2.7	0.94	1.001	0.3143	120	120	100%	0.49	1.8	0.93	0.9847	0
Vanadium	120	120	100%	14.6	59.1	35.55	35.41	10.54	109	109	100%	23.4	65.9	51.5	48.99	10
Zinc	120	120	100%	15.4	121	37.15	37.23	12.62	120	120	100%	28.8	66.4	43.05	43.16	5
Zirconium	104	104	100%	60.1	179	125	126.3	26.69	118	118	100%	17	38.6	26.95	26.9	0

Note: Summary and background comparison statistics were performed using one-half the detection limit for metals and using GISdT® (Neptune and Company 2007).
Primary and field duplicates were treated based on the rules provided in the text. Therefore, sample size differs from that presented in Table 1.
BOLD with Highlight indicates Site concentrations are greater than background.
WRS = Wilcoxon Rank Sum Test with the Gehan Modification

Chemical	T Test *p*	Quantile Test *p*	Slippage Test *p*	WRS Test *p*	Greater than Background?	Units	Basis
Aluminum	1.2 E-17	3.0 E-3	1.0 E+0	9.6 E-14	YES	mg/kg	Multiple tests
Antimony	2.0 E-4	8.5 E-1	4.6 E-1	9.9 E-1	NO	mg/kg	Multiple tests
Arsenic	1.0 E+0	1.0 E+0	1.0 E+0	1.0 E+0	NO	mg/kg	Multiple tests
Barium	1.8 E-1	3.3 E-1	1.0 E+0	1.8 E-6	NO	mg/kg	Multiple tests
Beryllium	4.4 E-4	9.7 E-1	1.0 E+0	1.8 E-4	NO	mg/kg	Quantile and Slippage; property maximum detect below background maximum detect
Boron	4.5 E-57	9.6 E-1	2.1 E-1	0.0 E+0	YES	mg/kg	T-Test and WRS; property maximum detect above background maximum detect
Cadmium	3.7 E-21	2.9 E-11	3.7 E-4	2.3 E-4	YES	mg/kg	Multiple tests
Calcium	9.8 E-1	1.0 E+0	1.0 E+0	7.7 E-1	NO	mg/kg	Multiple tests
Chromium (Total)	5.1 E-13	6.5 E-11	8.0 E-4	0.0 E+0	YES	mg/kg	Multiple tests
Chromium (VI)	1.2 E-212	1.0 E+0	NA	0.0 E+0	NO	mg/kg	Non-Detect
Cobalt	1.1 E-7	9.0 E-2	1.0 E+0	1.2 E-7	NO	mg/kg	Quantile and Slippage; property maximum detect below background maximum detect
Copper	6.7 E-2	9.9 E-1	1.0 E+0	1.3 E-1	NO	mg/kg	Multiple tests
Iron	4.2 E-35	4.6 E-21	3.7 E-21	0.0 E+0	YES	mg/kg	Multiple tests
Lead	1.1 E-3	2.3 E-1	1.0 E+0	4.9 E-8	YES	mg/kg	T-Test and WRS; property maximum detect above background maximum detect
Lithium	9.1 E-1	9.8 E-1	1.0 E+0	3.5 E-1	NO	mg/kg	Multiple tests
Magnesium	9.7 E-3	1.0 E+0	1.0 E+0	1.2 E-2	NO	mg/kg	Quantile and Slippage; property maximum detect below background maximum detect
Manganese	3.9 E-6	5.5 E-3	1.0 E+0	5.0 E-7	YES	mg/kg	Multiple tests
Mercury	1.0 E+0	1.0 E+0	1.0 E+0	7.0 E-1	NO	mg/kg	Multiple tests
Molybdenum	2.4 E-1	6.2 E-1	2.5 E-1	6.0 E-2	NO	mg/kg	Multiple tests
Nickel	2.0 E-3	8.2 E-1	5.0 E-1	1.8 E-3	YES	mg/kg	T-Test and WRS; property maximum detect above background maximum detect
Niobium	2.9 E-34	1.0 E+0	1.7 E-1	0.0 E+0	YES	mg/kg	T-Test and WRS; property maximum detect above background maximum detect
Palladium	3.5 E-9	6.6 E-5	2.9 E-1	6.5 E-12	YES	mg/kg	Multiple tests
Platinum	4.9 E-143	9.9 E-1	1.0 E+0	0.0 E+0	NO	mg/kg	Quantile and Slippage; property maximum detect below background maximum detect

Chemical	T Test *p*	Quantile Test *p*	Slippage Test *p*	WRS Test *p*	Greater than Background?	Units	Basis
Potassium	4.2 E-1	6.8 E-1	1.0 E+0	4.4 E-2	NO	mg/kg	Multiple tests
Selenium	3.6 E-82	1.0 E+0	4.0 E-2	0.0 E+0	YES	mg/kg	T-Test and WRS; property maximum detect above background maximum detect
Silicon	1.0 E+0	1.0 E+0	1.0 E+0	1.0 E+0	NO	mg/kg	Multiple tests
Silver	2.3 E-17	1.0 E+0	6.5 E-20	1.0 E+0	YES	mg/kg	Multiple tests; property maximum detect above background maximum detect
Sodium	2.7 E-8	9.4 E-6	1.5 E-1	3.4 E-8	YES	mg/kg	Multiple tests
Strontium	1.0 E-6	4.0 E-2	5.4 E-1	7.7 E-12	YES	mg/kg	T-Test and WRS; property maximum detect above background maximum detect
Thallium	1.0 E+0	1.0 E+0	1.0 E+0	1.0 E+0	NO	mg/kg	Multiple tests
Tin	2.5 E-6	1.1 E-7	8.3 E-4	1.6 E-15	YES	mg/kg	Multiple tests
Titanium	7.5 E-34	2.6 E-16	4.1 E-5	0.0 E+0	YES	mg/kg	Multiple tests
Tungsten	1.0 E+0	1.0 E+0	2.9 E-1	1.0 E+0	NO	mg/kg	Multiple tests
Uranium	6.7 E-1	6.5 E-1	1.0 E+0	4.4 E-1	NO	mg/kg	Multiple tests
Vanadium	1.7 E-19	2.7 E-13	8.5 E-6	0.0 E+0	YES	mg/kg	Multiple tests
Zinc	2.1 E-6	5.0 E-2	1.0 E+0	1.1 E-8	NO	mg/kg	Quantile and Slippage; property maximum detect below background maximum detect
Zirconium	1.0 E+0	1.0 E+0	1.0 E+0	1.0 E+0	NO	mg/kg	Multiple tests

Note: Summary and background comparison statistics were performed using one-half the detection limit for metals and using GISdT® (Neptune and Company 2007).
Primary and field duplicates were treated based on the rules provided in the text. Therefore, sample size differs from that presented in Table 1.
BOLD with Highlight indicates Site concentrations are greater than background.
WRS = Wilcoxon Rank Sum Test with the Gehan Modification

Chemical[a]	Units	Number of Detects	Total Count	Det %	Minimum Detect	Maximum Detect	Greater than Background?	PBT(1) or Class A Carcinogen?	COPC?	Rationale
					Dioxins / Furans					
Dioxin TEQ	mg/kg	38	46	83%	0.00000082	0.000017	N/A	Yes	Yes	(11)(1)(10)
					Inorganics					
Aluminum	mg/kg	120	120	100%	7970	14600	YES	No	Yes	(5)(9)
Antimony	mg/kg	87	120	73%	0.13	1.1	NO	No	No	(6)
Arsenic	mg/kg	119	120	99%	1.6	5.6	NO	Yes	No	(6)
Asbestos	MF/g	2	14	100%	1	1	N/A	Yes	Yes	(5)
Barium	mg/kg	120	120	100%	113	589	NO	No	No	(6)
Beryllium	mg/kg	120	120	100%	0.41	0.74	NO	No	No	(6)
Boron	mg/kg	28	120	23%	5.5	14.2	YES	No	Yes	(5)(9)
Cadmium	mg/kg	90	120	75%	0.064	0.26	YES	No	Yes	(5)(9)
Calcium	mg/kg	120	120	100%	13700	60700	NO	No	No	(6)
Chromium (Total)	mg/kg	120	120	100%	5	67.2	YES	No	Yes	(5)(9)
Cobalt	mg/kg	120	120	100%	6.5	12.9	NO	No	No	(6)
Copper	mg/kg	120	120	100%	11.4	22.8	NO	No	No	(6)
Iron	mg/kg	109	109	100%	10100	23300	YES	No	Yes	(5)(9)
Lead	mg/kg	120	120	100%	5.8	29.95	YES	Yes	Yes	(5)(9)
Lithium	mg/kg	120	120	100%	8.4	20.7	NO	No	No	(6)
Magnesium	mg/kg	120	120	100%	7215	12700	NO	No	No	(12)
Manganese	mg/kg	120	120	100%	275	1090	YES	Yes	Yes	(5)(9)
Mercury	mg/kg	5	5	100%	0.011	0.015	NO	No	No	(6)
Molybdenum	mg/kg	119	120	99%	0.15	2.8	NO	No	No	(6)
Nickel	mg/kg	120	120	100%	10	44.6	YES	No	Yes	(5)(9)
Niobium	mg/kg	22	120	18%	0.85	9.8	YES	No	No	(12)
Palladium	mg/kg	109	120	91%	0.14	2.3	YES	No	No	(12)
Phosphorus (as P)	mg/kg	120	120	100%	967	2220	N/A	No	No	(12)
Platinum	mg/kg	1	120	1%	0.049	0.049	NO	No	No	(6)
Potassium	mg/kg	120	120	100%	886	2980	NO	No	No	(12)
Selenium	mg/kg	5	120	4%	0.3	0.84	YES	No	No	(4)
Silicon	mg/kg	120	120	100%	144	777	NO	No	No	(6)
Silver	mg/kg	120	120	100%	0.074	0.2	YES	No	Yes	(5)(9)
Sodium	mg/kg	120	120	100%	209	2230	YES	No	No	(12)
Strontium	mg/kg	120	120	100%	108	814	YES	No	Yes	(5)(9)
Sulfur	mg/kg	113	120	94%	219	2190	N/A	No	No	(12)
Thallium	mg/kg	11	120	9%	0.18	1.3	NO	No	No	(6)
Tin	mg/kg	97	120	81%	0.33	1.6	YES	No	Yes	(5)(9)
Titanium	mg/kg	120	120	100%	348	1340	YES	No	Yes	(5)(9)

Chemical[a]	Units	Number of Detects	Total Count	Det %	Minimum Detect	Maximum Detect	Greater than Background?	PBT(1) or Class A Carcinogen?	COPC?	Rationale
Tungsten	mg/kg	60	120	50%	0.24	3.1	NO	No	No	(12)
Uranium	mg/kg	120	120	100%	0.49	1.8	NO	No	No	(6)
Vanadium	mg/kg	109	109	100%	23.4	65.9	YES	No	Yes	(5)(9)
Zinc	mg/kg	120	120	100%	28.8	66.4	NO	No	No	(6)
Zirconium	mg/kg	118	118	100%	17	38.6	NO	No	No	(6)
Organochlorine Pesticides										
2,4-DDE	mg/kg	4	116	3%	0.0022	0.0075	N/A	Yes	Yes	(7)
4,4-DDE	mg/kg	17	116	15%	0.0018	0.018	N/A	Yes	Yes	(5)
4,4-DDT	mg/kg	6	116	5%	0.0024	0.0061	N/A	Yes	Yes	(5)
alpha-Chlordane	mg/kg	2	116	2%	0.0028	0.0032	N/A	Yes	Yes	(7)
beta-BHC	mg/kg	12	116	10%	0.0018	0.025	N/A	No	Yes	(5)
Chlordane	mg/kg	1	116	1%	0.0215	0.0215	N/A	Yes	Yes	(7)
Dieldrin	mg/kg	1	116	1%	0.0018	0.0018	N/A	Yes	Yes	(7)
gamma-Chlordane	mg/kg	2	116	2%	0.0035	0.0046	N/A	Yes	Yes	(7)
Organic Acids										
Phthalic acid	mg/kg	1	115	1%	3	3	N/A	No	No	(4)
Semi-Volatile Organic Compounds										
Benzoic acid	mg/kg	1	115	1%	0.065	0.065	N/A	No	No	(4)
bis(2-Ethylhexyl) phthalate	mg/kg	2	115	2%	0.079	13	N/A	No	No	(4)
1,2-Bis[bis(2-chloroethyl)phos	mg/kg	1	1	100%	0.27	0.27	N/A	No	No	(12)
2,4-Dimethylheptane	mg/kg	32	32	100%	0.14	0.34	N/A	No	No	(12)
2,5-Dimethylheptane	mg/kg	28	28	100%	0.17	0.46	N/A	No	No	(12)
2,6-Dimethylheptane	mg/kg	4	4	100%	0.15	0.21	N/A	No	No	(12)
2,6-Di-tert-Butyl-p-Cresol	mg/kg	1	1	100%	0.14	0.14	N/A	No	No	(12)
9-Octadecenamide	mg/kg	3	3	100%	0.20	0.57	N/A	No	No	(12)
Benzenepropanoic acid, methyl	mg/kg	1	1	100%	0.14	0.14	N/A	No	No	(12)
Diacetone alcohol	mg/kg	1	1	100%	5.6	5.6	N/A	No	No	(12)
Erucylamide	mg/kg	2	2	100%	0.41	0.59	N/A	No	No	(12)
Hexadecanamide	mg/kg	1	1	100%	0.17	0.17	N/A	No	No	(12)
Hexadecanoic acid	mg/kg	5	5	100%	0.14	0.19	N/A	No	No	(12)
Longifolenaldehyde	mg/kg	1	1	100%	0.99	0.99	N/A	No	No	(12)
Naphthalene, 1,2,3,4-tetrahydr	mg/kg	1	1	100%	0.23	0.23	N/A	No	No	(12)
Octane, 3-methyl-	mg/kg	1	1	100%	0.17	0.17	N/A	No	No	(12)
Oleic acid	mg/kg	1	1	100%	0.14	0.14	N/A	No	No	(12)
Volatile Organic Compounds										
1,2,4-Trimethylbenzene	mg/kg	1	115	1%	0.0005	0.0005	N/A	No	No	(4)
Acetone	mg/kg	8	115	7%	0.0059	0.045	N/A	No	Yes	(5)

Chemical[a]	Units	Number of Detects	Total Count	Det %	Minimum Detect	Maximum Detect	Greater than Background?	PBT(1) or Class A Carcinogen?	COPC?	Rationale
Carbon tetrachloride	mg/kg	6	116	5%	0.00096	0.0022	N/A	No	Yes	(5)
Chloroform	mg/kg	1	115	1%	0.001	0.001	N/A	No	No	(4)
Dichloromethane	mg/kg	5	115	4%	0.0095	0.017	N/A	No	No	(4)
Ethanol	mg/kg	1	115	1%	0.27	0.27	NO	No	No	(4)
Ethylbenzene	mg/kg	2	115	2%	0.00045	0.0053	N/A	No	No	(4)
m,p-Xylene	mg/kg	2	115	2%	0.0012	0.046	N/A	No	No	(4)
Methyl ethyl ketone	mg/kg	3	115	3%	0.0039	0.014	N/A	No	No	(4)
Methyl iodide	mg/kg	1	115	1%	0.0014	0.0014	N/A	No	No	(4)
o-Xylene	mg/kg	1	115	1%	0.036	0.036	N/A	No	No	(4)
Toluene	mg/kg	67	115	58%	0.00045	0.012	N/A	No	Yes	(5)
Trichloroethylene	mg/kg	55	115	48%	0.00099	0.023	N/A	No	Yes	(5)
Xylenes (total)	mg/kg	1	115	1%	0.082	0.082	N/A	No	No	(4)
n-Tridecane	mg/kg	1	1	100%	0.014	0.014	N/A	No	No	(12)
n-Undecane	mg/kg	1	1	100%	0.010	0.01	N/A	No	No	(12)
Undecane, 2,6-dimethyl-	mg/kg	1	1	100%	0.0062	0.0062	N/A	No	No	(12)

MF/g - microfibers per gram
mg/kg - milligrams per kilogram
N/A - Data are not available for this chemical in the background data set. Background comparison was not applicable for this chemical.
Primary and field duplicates were treated based on the rules provided in the text. Therefore, sample size differs from that presented in Table 1.
- - = Not detected.
Highlight indicates selected as COPC.
[a] - Only detected chemicals are included in the COPC selection table.
(1) Persistent, Bioaccumulative, and Toxic (PBT) Program.
(2) Not detected.
(3) Dioxin congeners are not evaluated separately. Dioxins are evaluated as Total Dioxin TEQs.
(4) Chemical detected in less than 5 percent of the samples and is not a PBT or Class A carcinogen.
(5) Chemical detected in greater than 5 percent of samples.
(6) Chemical concentrations are equivalent to background.
(7) Chemical detected in less than 5 percent of the samples, but is a PBT or Class A carcinogen.
(8) Xylenes are evaluated as individual xylene isomers (ortho-, meta-, and para-) data instead of total xylene data.
(9) Chemical concentrations are above background.
(10) Individual dioxin/furan congeners are considered as COPCs and are evaluated further as TCDD Equivalents.
(11) One detection limit for dioxin/furan congeners was above the screening level of 50 ppt.
(12) No toxicity criteria or applicable surrogate criteria are available.

Chemical	Number of Samples	Number of Detections	Percent Detected	Minimum DL	Maximum DL	Minimum Detection	Maximum Detection	Average	Standard Deviation	95% UCL 0-10 ft bgs	UCL Calc Method	95% UCL 0-2 ft bgs	UCL Calc Method	EPC[1]
							Dioxins / Furans							
Dioxin TEQ	46	38	83%	0.00000038	0.00000098	0.00000082	0.000017	0.00045	4.3	0.0000058	Bootstrap BCa	0.0000058	Bootstrap BCa	0.0000058
							Inorganics							
Aluminum	120	120	100%	NA	NA	7970	14600	11400	1084	11570	Bootstrap Percentile	11470	Student's-T	11570
Boron	120	28	23%	25.2	27.1	5.5	14.2	12	2.7	12	Student's-T	13	Student's-T	13
Cadmium	120	90	75%	0.13	0.19	0.064	0.26	0.12	0.042	0.12	Bootstrap BCa	0.15	Student's-T	0.15
Chromium (Total)	120	120	100%	NA	NA	5	67.2	13	5.8	15	Bootstrap BCa	14	Student's-T	15
Iron	109	109	100%	NA	NA	10100	23300	18928	3037	19410	Student's-T	20030	Student's-T	20030
Lead	120	120	100%	NA	NA	5.8	29.95	11	4.5	12	Bootstrap BCa	17	Bootstrap BCa	17
Manganese	120	120	100%	NA	NA	275	1090	497	108	515	Bootstrap BCa	619	Bootstrap BCa	619
Nickel	120	120	100%	NA	NA	10	44.6	17	3.1	17	Bootstrap BCa	17	Student's-T	17
Silver	120	120	100%	NA	NA	0.074	0.2	0.15	0.021	0.15	Bootstrap BCa	0.15	Student's-T	0.15
Strontium	120	120	100%	NA	NA	108	814	298	90	312	Student's-T	246	Student's-T	312
Tin	120	97	81%	0.52	0.65	0.33	1.6	0.59	0.23	0.63	Bootstrap BCa	0.76	Bootstrap BCa	0.76
Titanium	120	120	100%	NA	NA	348	1340	834	182	862	Student's-T	927	Student's-T	927
Vanadium	109	109	100%	NA	NA	23.4	65.9	49	10	51	Student's-T	52	Student's-T	52
							Organochlorine Pesticides							
2,4-DDE	116	4	3%	0.0017	0.018	0.0022	0.0075	0.0011	0.0010	0.0013	Bootstrap BCa	0.0017	Bootstrap BCa	0.0017
4,4-DDE	116	17	15%	0.0017	0.018	0.0018	0.018	0.0015	0.0023	0.0020	Bootstrap BCa	0.0037	Bootstrap BCa	0.0037
4,4-DDT	116	6	5%	0.0017	0.018	0.0024	0.0061	0.0011	0.0010	0.0014	Bootstrap BCa	0.0018	Bootstrap BCa	0.0018
alpha-Chlordane	116	2	2%	0.0017	0.018	0.0028	0.0032	0.0010	0.00080	0.0012	Bootstrap BCa	0.0012	Bootstrap BCa	0.0012
beta-BHC	116	12	10%	0.0017	0.018	0.0018	0.025	0.0015	0.0026	0.0022	Bootstrap BCa	0.0043	Bootstrap BCa	0.0043
Chlordane	116	1	1%	0.017	0.18	0.0215	0.0215	0.0098	0.0076	0.012	Bootstrap BCa	0.010	Bootstrap BCa	0.012
Dieldrin	116	1	1%	0.0017	0.018	0.0018	0.0018	0.00097	0.00076	0.0012	Bootstrap BCa	0.00099	Bootstrap BCa	0.0012
gamma-Chlordane	116	2	2%	0.0017	0.018	0.0035	0.0046	0.0010	0.00086	0.0013	Bootstrap BCa	0.0014	Bootstrap BCa	0.0014
							Volatile Organic Compounds							
Acetone	115	8	7%	0.019	0.032	0.0059	0.045	0.012	0.0043	0.013	Bootstrap BCa	0.012	Bootstrap BCa	0.013
Carbon tetrachloride	116	6	5%	0.0046	0.0079	0.00096	0.0022	0.0027	0.00039	0.0027	Bootstrap Percentile	0.0028	Student's-T	0.0022
Toluene	115	67	58%	0.0046	0.0065	0.00045	0.012	0.0027	0.0018	0.0030	Bootstrap BCa	0.0030	Bootstrap BCa	0.0030
Trichloroethylene	115	55	48%	0.0047	0.0065	0.00099	0.023	0.0038	0.0033	0.0045	Bootstrap BCa	0.0046	Bootstrap BCa	0.0046
							Data from Area Around FG-SS-1							
Iron	18	18	100%	NA	NA	17600	27100	20950	2431	21950	Student's-T	21980	Bootstrap BCa	21980
Vanadium	18	18	100%	NA	NA	45	93	59	13	65	Bootstrap BCa	67	Bootstrap BCa	67
							Data from Area Around CP-SS-2							
Iron	13	13	100%	NA	NA	16700	23900	19080	1988	20220	Bootstrap BCa	NA	NA	20220
Vanadium	13	13	100%	NA	NA	45	62	50	4.9	53	Bootstrap BCa	NA	NA	53

1 - The EPC is either the maximum of the 0-2 ft or 0-10 ft 95 UCLs unless it exceeds the maximum detection concentration, then it is the maximum detected concentration.
EPC - Exposure point concentration.
UCL - Upper Confidence Limit
NA - Not applicable.
ND - Statistic not evaluated because all results were non-detect.
Units are in mg/kg.

Parameter	Abbrev.	Value	Units	Reference
Residential				
Dermal absorption fraction	ABS	---chemical-specific---		USEPA 2004f
Soil-plant bioconcentration factors	Br	---chemical-specific---		USEPA 2005
Dermal adherence factor, adult	AF_a	0.07	mg/cm^2	USEPA 2004f
Dermal adherence factor, child	AF_c	0.2	mg/cm^2	USEPA 2004f
Averaging time, carcinogenic	AT_c	70	years	USEPA 2002d
Averaging time, non-carcinogenic	AT_{nc}	30	years	Based on ED_r
Adult body weight	BW_a	70	kg	USEPA 2002d
Child body weight	BW_c	15	kg	USEPA 2002d
Exposure frequency	EF_r	350	days/year	USEPA 2002d
Exposure duration	ED_r	30	years	USEPA 2002d
Adult inhalation rate	$IR_{a'}$	20	m^3/day	USEPA 2002d
Child inhalation rate	$IR_{c'}$	10	m^3/day	USEPA 1997b
Available skin surface area, adult	SA_a	5,700	cm^2/day	USEPA 2004f
Available skin surface area, child	SA_c	2,800	cm^2/day	USEPA 2004f
Fruit/vegetable ingestion rate, aboveground, child	$CR_{ag,c}$	0.0179	kg DW/d	USEPA 1997b
Fruit/vegetable ingestion rate, belowground, child	$CR_{bg,c}$	0.0033	kg DW/d	USEPA 1997b
Fruit/vegetable ingestion rate, aboveground, adult	$CR_{ag,a}$	0.0609	kg DW/d	USEPA 1997b
Fruit/vegetable ingestion rate, belowground, adult	$CR_{bg,a}$	0.0098	kg DW/d	USEPA 1997b
Contaminated plant fraction from the site	CPF	0.25	--	USEPA 2008c
Adult soil ingestion rate	$IR_{s,a}$	100	mg/day	USEPA 2002d
Child soil ingestion rate	$IR_{s,c}$	200	mg/day	USEPA 2002d
Construction Worker				
Averaging time, carcinogenic	AT_c	70	years	USEPA 2002d
Averaging time, non-carcinogenic	AT_{nc}	1	years	Based on ED_{cw}
Adult body weight	BW_a	70	kg	USEPA 2002d
Exposure frequency, soil	$EF_{s,cw}$	250	days/year	USEPA 2002d
Exposure duration	ED_{cw}	1	years	(1)
Adult inhalation rate	$IR_{a'}$	20	m^3/day	USEPA 2002d

(1) Based on site data. A one-year exposure duration is appropriate for carcinogenic effects, because the methodology averages exposures over a lifetime (see USEPA 2002d).

Oral bioavailability, soil-plant bioconcentration, and dermal absorption values are provided in the calculation spreadsheets in Attachment E (on CD).

Source of Uncertainty	May Underestimate Risk	May Overestimate Risk	May Under or Overestimate Risk
Environmental Sampling and Analysis			
Sampling and laboratory analyses may have been inadequate to fully characterize the concentrations at the site.			Moderate
Systematic or random errors in the chemical analyses may yield erroneous data.			Low
The risk estimates are based on the COPCs only. Other chemicals were not quantified.	Moderate		
Exposure Assumptions			
Fate and transport modeling did not take into account biodegradation or other degradation processes.		Moderate	
Modeling did not take into account interactions that may occur among the different chemicals which may influence their migration		Moderate	
Only primary receptors of concern were evaluated. Other populations (*e.g.*, worker receptors) were not assessed.	Low		
Only primary exposure pathways were evaluated. Other pathways were not assessed.	Low		
Some of the exposure point concentrations used in the exposure assessment were based on modeled, rather than measured, levels in various media (*e.g.*, plants).			Moderate

Source of Uncertainty	May Underestimate Risk	May Overestimate Risk	May Under or Overestimate Risk
Reasonable maximum exposure values were combined to arrive at the ADD and LADD estimates. There is a low probability that all of the various upper bound assumptions used in the exposure assessment would occur at the point of maximum chemical concentration.		Moderate	
Exposure point concentrations and the amount of media intake were assumed to be constant over time.		Low	
Toxicological Data			
RfDs are derived and extrapolated from laboratory animal studies that expose animals to relatively high intakes. Errors are inherent in the extrapolation of data from animals to humans, from high to low doses, and from one exposure route to another.			Moderate
RfDs used to estimate non-carcinogenic risk are derived from NOAELs which are based on the sensitive endpoints in the sensitive species. As a result, extrapolation of toxicity data from animals to humans is uncertain. There may be differences in metabolism, uptake, or distribution of chemicals in the body between animals and humans. To account for this, NOAELs are divided by uncertainty factors spanning several orders of magnitude to establish the RfD. The combination of these two conservative assumptions may establish RfDs which greatly overprotect human health.		Moderate	

Source of Uncertainty	May Underestimate Risk	May Overestimate Risk	May Under or Overestimate Risk
CSFs used for the animal carcinogens are the 95% UCL derived from the linearized multistage model using animal chronic bioassay data, which tends to greatly overestimate carcinogenic risk in humans. The linearized multistage model ignores many known factors that have been documented to protect humans against the carcinogenic actions of chemicals, such as DNA repair and immunosurveillence.		High	
RfDs, CSFs and defensible carcinogenicity data were not available for some COPCs, which were therefore not quantitatively evaluated.	Low		

Receptor	Total HI	Target Organ	Target Organ HIs	ILCR
Future On-Site Resident	2.8	Bone	0.4	3 E-6
		CNS	0.6	
		GI	0.9	
		Kidney	0.8	
		Liver	0.09	
		Other	0.2	

Chemical	Soil Concentration (mg/kg)	Soil Vapor Concentration (ppbv)	Oral HQ	Dermal HQ	Homegrown Produce HQ	Indoor Inhal HQ	Outdoor Inhal HQ	Total HI	Oral ILCR	Dermal ILCR	Homegrown Produce ILCR	Indoor Inhal HQ	Outdoor Inhal ILCR	Total ILCR
					Dioxins / Furans									
Dioxin TEQ	5.8 E-6	NA	7.4 E-2	6.2 E-3	9.3 E-3	NA	NA	0.089	1 E-6	4 E-9	5 E-7	NA	9 E-11	2 E-6
					Inorganics									
Aluminum	1.2 E+4	NA	1.5 E-1	0.0 E+0	1.4 E-2	NA	3.9 E-3	0.17	NA	NA	NA	NA	NA	NA
Boron	1.3 E+1	NA	8.4 E-4	0.0 E+0	8.2 E-2	NA	1.1 E-6	0.083	NA	NA	NA	NA	NA	NA
Cadmium	1.5 E-1	NA	2.0 E-3	2.2 E-4	6.1 E-3	NA	7.3 E-8	0.0083	NA	NA	NA	NA	1 E-10	1 E-10
Chromium (Total)	1.5 E+1	NA	1.3 E-4	0.0 E+0	1.6 E-5	NA	4.7 E-9	0.00014	NA	NA	NA	NA	NA	NA
Iron	2.0 E+4	NA	8.5 E-1	0.0 E+0	8.0 E-2	NA	NA	0.93	NA	NA	NA	NA	NA	NA
Lead	1.7 E+1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	6.2 E+2	NA	5.7 E-2	0.0 E+0	3.3 E-1	NA	NA	0.38	NA	NA	NA	NA	NA	NA
Nickel	1.7 E+1	NA	1.1 E-2	0.0 E+0	NA	NA	3.1 E-4	0.011	NA	NA	NA	NA	NA	NA
Silver	1.5 E-1	NA	3.9 E-4	0.0 E+0	1.4 E-3	NA	1.5 E-8	0.0018	NA	NA	NA	NA	NA	NA
Strontium	3.1 E+2	NA	6.6 E-3	0.0 E+0	3.8 E-1	NA	2.4 E-7	0.39	NA	NA	NA	NA	NA	NA
Tin	7.6 E-1	NA	1.6 E-5	0.0 E+0	1.1 E-5	NA	5.9 E-10	0.000027	NA	NA	NA	NA	NA	NA
Titanium	9.3 E+2	NA	3.0 E-3	0.0 E+0	4.0 E-4	NA	5.1 E-5	0.0034	NA	NA	NA	NA	NA	NA
Vanadium	5.2 E+1	NA	6.7 E-1	0.0 E+0	9.1 E-2	NA	NA	0.76	NA	NA	NA	NA	NA	NA
					Organochlorine Pesticides									
2,4-DDE	1.7 E-3	NA	NA	NA	NA	NA	NA	NA	9 E-10	3 E-12	5 E-10	NA	6 E-14	1 E-9
4,4-DDE	3.7 E-3	NA	0.0 E+0	NA	NA	NA	NA	NA	0 E+0	6 E-12	1 E-9	NA	1 E-13	1 E-9
4,4-DDT	1.8 E-3	NA	4.5 E-5	3.8 E-6	1.2 E-5	NA	1.7 E-9	0.000061	9 E-10	3 E-12	7 E-10	NA	7 E-14	2 E-9
alpha-Chlordane	1.2 E-3	NA	3.1 E-5	3.5 E-6	1.2 E-5	NA	2.8 E-9	0.000046	7 E-10	3 E-12	7 E-10	NA	5 E-14	1 E-9
beta-BHC	4.3 E-3	NA	2.8 E-4	3.1 E-5	5.5 E-3	NA	1.0 E-8	0.0058	1 E-8	6 E-11	6 E-7	NA	8 E-13	6 E-7
Chlordane	1.2 E-2	NA	3.1 E-4	3.4 E-5	1.2 E-4	NA	2.8 E-8	0.00046	7 E-9	3 E-11	7 E-9	NA	5 E-13	1 E-8
Dieldrin	1.2 E-3	NA	3.2 E-4	8.9 E-5	2.8 E-4	NA	1.2 E-8	0.00069	3 E-8	1 E-9	8 E-8	NA	2 E-12	1 E-7
gamma-Chlordane	1.4 E-3	NA	3.5 E-5	3.9 E-6	1.3 E-5	NA	3.2 E-9	0.000052	7 E-10	4 E-12	8 E-10	NA	5 E-14	2 E-9
					Volatile Organic Compounds									
Acetone	1.3 E-2	1.8 E+2	1.8 E-7	0.0 E+0	2.1 E-4	5.8 E-5	6.0 E-7	0.00027	NA	NA	NA	NA	NA	NA
Benzene	NA	2.1 E+0	NA	NA	NA	2.9 E-5	NA	0.000029	NA	NA	NA	1.6 E-9	NA	2 E-9
Carbon disulfide	NA	3.1 E+0	NA	NA	NA	2.1 E-6	NA	0.0000021	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	2.2 E-3	NA	4.0 E-5	0.0 E+0	1.5 E-3	NA	8.1 E-4	0.0024	4 E-10	0 E+0	5 E-8	NA	7 E-9	5 E-8
CFC-12	NA	6.3 E-1	NA	NA	NA	4.4 E-7	NA	0.00000044	NA	NA	NA	NA	NA	NA
Chloroform	NA	2.4 E+1	NA	NA	NA	3.7 E-4	NA	0.00037	NA	NA	NA	9.8 E-8	NA	1 E-7

Receptor	Total HI	Target Organ	Target Organ HIs	ILCR
Future On-Site Resident	2.8	Bone	0.4	3 E-6
		CNS	0.6	
		GI	0.9	
		Kidney	0.8	
		Liver	0.09	
		Other	0.2	

Chemical	**Soil Concentration (mg/kg)**	**Soil Vapor Concentration (ppbv)**	**Oral HQ**	**Dermal HQ**	**Homegrown Produce HQ**	**Indoor Inhal HQ**	**Outdoor Inhal HQ**	**Total HI**	**Oral ILCR**	**Dermal ILCR**	**Homegrown Produce ILCR**	**Indoor Inhal HQ**	**Outdoor Inhal ILCR**	**Total ILCR**
1,1-Dichloroethane	NA	9.8 E-1	NA	NA	NA	9.1 E-7	NA	0.00000091	NA	NA	NA	NA	NA	NA
1,1-Dichloroethylene	NA	1.0 E+1	NA	NA	NA	2.7 E-5	NA	0.000027	NA	NA	NA	NA	NA	NA
Dichloromethane	NA	2.2 E+0	NA	NA	NA	8.0 E-7	NA	0.00000080	NA	NA	NA	2.6 E-10	NA	3 E-10
Methyl ethyl ketone	NA	9.9 E+0	NA	NA	NA	1.7 E-6	NA	0.0000017	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone	NA	4.6 E+0	NA	NA	NA	1.1 E-6	NA	0.0000011	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	NA	6.9 E+1	NA	NA	NA	1.4 E-3	NA	0.0014	NA	NA	NA	7.0 E-8	NA	7 E-8
Toluene	3.0 E-3	1.7 E+0	4.8 E-7	0.0 E+0	1.8 E-5	1.7 E-7	2.9 E-7	0.000019	NA	NA	NA	NA	NA	NA
Trichloroethylene	4.6 E-3	5.4 E-1	2.0 E-4	0.0 E+0	8.4 E-3	9.8 E-6	7.5 E-5	0.0087	9 E-11	0 E+0	1 E-8	1.6 E-10	1 E-9	1 E-8
1,2,4-Trimethylbenzene	NA	1.6 E+0	NA	NA	NA	4.1 E-6	NA	0.0000041	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	4.2 E+0	NA	NA	NA	1.9 E-5	NA	0.000019	NA	NA	NA	NA	NA	NA
Total			1.8	0.0066	1.0	0.00197	0.0051	2.8	1 E-6	5 E-9	1 E-6	2 E-7	8 E-9	3 E-6

Note: Target organs for each of the individual COPCs are provided in the calculation spreadsheets in Attachment E (on CD).
HQ = hazard quotient
HI - hazard index
ILCR = incremental lifetime cancer risk

Receptor	Total HI	Target Organ	Target Organ HIs	ILCR
Future On-Site Resident	3.2	Bone	0.4	3 E-6
		CNS	0.6	
		GI	1.0	
		Kidney	1.0	
		Liver	0.09	
		Other	0.2	

Chemical	Soil Concentration (mg/kg)	Soil Vapor Concentration (ppbv)	Oral HQ	Dermal HQ	Homegrown Produce HQ	Indoor Inhal HQ	Outdoor Inhal HQ	Total HI	Oral ILCR	Dermal ILCR	Homegrown Produce ILCR	Indoor Inhal HQ	Outdoor Inhal ILCR	Total ILCR
Dioxins / Furans														
Dioxin TEQ	5.8 E-6	NA	7.4 E-2	6.2 E-3	9.3 E-3	NA	NA	0.089	1 E-6	4 E-9	5 E-7	NA	9 E-11	2 E-6
Inorganics														
Aluminum	1.2 E+4	NA	1.5 E-1	0.0 E+0	1.4 E-2	NA	3.9 E-3	0.17	NA	NA	NA	NA	NA	NA
Boron	1.3 E+1	NA	8.4 E-4	0.0 E+0	8.2 E-2	NA	1.1 E-6	0.083	NA	NA	NA	NA	NA	NA
Cadmium	1.5 E-1	NA	2.0 E-3	2.2 E-4	6.1 E-3	NA	7.3 E-8	0.0083	NA	NA	NA	NA	1 E-10	1 E-10
Chromium (Total)	1.5 E+1	NA	1.3 E-4	0.0 E+0	1.6 E-5	NA	4.7 E-9	0.00014	NA	NA	NA	NA	NA	NA
Iron	2.2 E+4	NA	9.4 E-1	0.0 E+0	8.8 E-2	NA	NA	1.0	NA	NA	NA	NA	NA	NA
Lead	1.7 E+1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	6.2 E+2	NA	5.7 E-2	0.0 E+0	3.3 E-1	NA	NA	0.38	NA	NA	NA	NA	NA	NA
Nickel	1.7 E+1	NA	1.1 E-2	0.0 E+0	NA	NA	3.1 E-4	0.011	NA	NA	NA	NA	NA	NA
Silver	1.5 E-1	NA	3.9 E-4	0.0 E+0	1.4 E-3	NA	1.5 E-8	0.0018	NA	NA	NA	NA	NA	NA
Strontium	3.1 E+2	NA	6.6 E-3	0.0 E+0	3.8 E-1	NA	2.4 E-7	0.39	NA	NA	NA	NA	NA	NA
Tin	7.6 E-1	NA	1.6 E-5	0.0 E+0	1.1 E-5	NA	5.9 E-10	0.000027	NA	NA	NA	NA	NA	NA
Titanium	9.3 E+2	NA	3.0 E-3	0.0 E+0	4.0 E-4	NA	5.1 E-5	0.0034	NA	NA	NA	NA	NA	NA
Vanadium	6.7 E+1	NA	8.6 E-1	0.0 E+0	1.2 E-1	NA	NA	0.98	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides														
2,4-DDE	1.7 E-3	NA	NA	NA	NA	NA	NA	NA	9 E-10	3 E-12	5 E-10	NA	6 E-14	1 E-9
4,4-DDE	3.7 E-3	NA	0.0 E+0	NA	NA	NA	NA	NA	0 E+0	6 E-12	1 E-9	NA	1 E-13	1 E-9
4,4-DDT	1.8 E-3	NA	4.5 E-5	3.8 E-6	1.2 E-5	NA	1.7 E-9	0.000061	9 E-10	3 E-12	7 E-10	NA	7 E-14	2 E-9
alpha-Chlordane	1.2 E-3	NA	3.1 E-5	3.5 E-6	1.2 E-5	NA	2.8 E-9	0.000046	7 E-10	3 E-12	7 E-10	NA	5 E-14	1 E-9
beta-BHC	4.3 E-3	NA	2.8 E-4	3.1 E-5	5.5 E-3	NA	1.0 E-8	0.0058	1 E-8	6 E-11	6 E-7	NA	8 E-13	6 E-7
Chlordane	1.2 E-2	NA	3.1 E-4	3.4 E-5	1.2 E-4	NA	2.8 E-8	0.00046	7 E-9	3 E-11	7 E-9	NA	5 E-13	1 E-8
Dieldrin	1.2 E-3	NA	3.2 E-4	8.9 E-5	2.8 E-4	NA	1.2 E-8	0.00069	3 E-8	1 E-9	8 E-8	NA	2 E-12	1 E-7
gamma-Chlordane	1.4 E-3	NA	3.5 E-5	3.9 E-6	1.3 E-5	NA	3.2 E-9	0.000052	7 E-10	4 E-12	8 E-10	NA	5 E-14	2 E-9
Volatile Organic Compounds														
Acetone	1.3 E-2	1.8 E+2	1.8 E-7	0.0 E+0	2.1 E-4	5.8 E-5	6.0 E-7	0.00027	NA	NA	NA	NA	NA	NA
Benzene	NA	2.1 E+0	NA	NA	NA	2.9 E-5	NA	0.000029	NA	NA	NA	1.6 E-9	NA	2 E-9
Carbon disulfide	NA	3.1 E+0	NA	NA	NA	2.1 E-6	NA	0.0000021	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	2.2 E-3	NA	4.0 E-5	0.0 E+0	1.5 E-3	NA	8.1 E-4	0.0024	4 E-10	0 E+0	5 E-8	NA	7 E-9	5 E-8
CFC-12	NA	6.3 E-1	NA	NA	NA	4.4 E-7	NA	0.00000044	NA	NA	NA	NA	NA	NA
Chloroform	NA	2.4 E+1	NA	NA	NA	3.7 E-4	NA	0.00037	NA	NA	NA	9.8 E-8	NA	1 E-7

Receptor	Total HI	Target Organ	Target Organ HIs	ILCR
Future On-Site Resident	3.2	Bone	0.4	3 E-6
		CNS	0.6	
		GI	1.0	
		Kidney	1.0	
		Liver	0.09	
		Other	0.2	

Chemical	Soil Concentration (mg/kg)	Soil Vapor Concentration (ppbv)	Oral HQ	Dermal HQ	Homegrown Produce HQ	Indoor Inhal HQ	Outdoor Inhal HQ	Total HI	Oral ILCR	Dermal ILCR	Homegrown Produce ILCR	Indoor Inhal HQ	Outdoor Inhal ILCR	Total ILCR
1,1-Dichloroethane	NA	9.8 E-1	NA	NA	NA	9.1 E-7	NA	0.00000091	NA	NA	NA	NA	NA	NA
1,1-Dichloroethylene	NA	1.0 E+1	NA	NA	NA	2.7 E-5	NA	0.000027	NA	NA	NA	NA	NA	NA
Dichloromethane	NA	2.2 E+0	NA	NA	NA	8.0 E-7	NA	0.00000080	NA	NA	NA	2.6 E-10	NA	3 E-10
Methyl ethyl ketone	NA	9.9 E+0	NA	NA	NA	1.7 E-6	NA	0.0000017	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone	NA	4.6 E+0	NA	NA	NA	1.1 E-6	NA	0.0000011	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	NA	6.9 E+1	NA	NA	NA	1.4 E-3	NA	0.0014	NA	NA	NA	7.0 E-8	NA	7 E-8
Toluene	3.0 E-3	1.7 E+0	4.8 E-7	0.0 E+0	1.8 E-5	1.7 E-7	2.9 E-7	0.000019	NA	NA	NA	NA	NA	NA
Trichloroethylene	4.6 E-3	5.4 E-1	2.0 E-4	0.0 E+0	8.4 E-3	9.8 E-6	7.5 E-5	0.0087	9 E-11	0 E+0	1 E-8	1.6 E-10	1 E-9	1 E-8
1,2,4-Trimethylbenzene	NA	1.6 E+0	NA	NA	NA	4.1 E-6	NA	0.0000041	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	4.2 E+0	NA	NA	NA	1.9 E-5	NA	0.000019	NA	NA	NA	NA	NA	NA
Total			2.1	0.0066	1.0	0.00197	0.0051	3.2	1 E-6	5 E-9	1 E-6	2 E-7	8 E-9	3 E-6

Note: Target organs for each of the individual COPCs are provided in the calculation spreadsheets in Attachment E (on CD).
HQ = hazard quotient
HI - hazard index
ILCR = incremental lifetime cancer risk

2007 Parcel 4A Investigation

Chemical Risk Summary for the Future Resident using Iron and Vanadium Data around Location CP-SS-2

Receptor	Total HI	Target Organ	Target Organ HIs	ILCR
Future On-Site Resident	2.9	Bone	0.4	3 E-6
		CNS	0.6	
		GI	0.9	
		Kidney	0.8	
		Liver	0.09	
		Other	0.2	

Chemical	**Soil Concentration (mg/kg)**	**Soil Vapor Concentration (ppbv)**	**Oral HQ**	**Dermal HQ**	**Homegrown Produce HQ**	**Indoor Inhal HQ**	**Outdoor Inhal HQ**	**Total HI**	**Oral ILCR**	**Dermal ILCR**	**Homegrown Produce ILCR**	**Indoor Inhal HQ**	**Outdoor Inhal ILCR**	**Total ILCR**
Dioxins / Furans														
Dioxin TEQ	5.8 E-6	NA	7.4 E-2	6.2 E-3	9.3 E-3	NA	NA	0.089	1 E-6	4 E-9	5 E-7	NA	9 E-11	2 E-6
Inorganics														
Aluminum	1.2 E+4	NA	1.5 E-1	0.0 E+0	1.4 E-2	NA	3.9 E-3	0.17	NA	NA	NA	NA	NA	NA
Boron	1.3 E+1	NA	8.4 E-4	0.0 E+0	8.2 E-2	NA	1.1 E-6	0.083	NA	NA	NA	NA	NA	NA
Cadmium	1.5 E-1	NA	2.0 E-3	2.2 E-4	6.1 E-3	NA	7.3 E-8	0.0083	NA	NA	NA	NA	1 E-10	1 E-10
Chromium (Total)	1.5 E+1	NA	1.3 E-4	0.0 E+0	1.6 E-5	NA	4.7 E-9	0.00014	NA	NA	NA	NA	NA	NA
Iron	2.0 E+4	NA	8.6 E-1	0.0 E+0	8.1 E-2	NA	NA	0.94	NA	NA	NA	NA	NA	NA
Lead	1.7 E+1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	6.2 E+2	NA	5.7 E-2	0.0 E+0	3.3 E-1	NA	NA	0.38	NA	NA	NA	NA	NA	NA
Nickel	1.7 E+1	NA	1.1 E-2	0.0 E+0	NA	NA	3.1 E-4	0.011	NA	NA	NA	NA	NA	NA
Silver	1.5 E-1	NA	3.9 E-4	0.0 E+0	1.4 E-3	NA	1.5 E-8	0.0018	NA	NA	NA	NA	NA	NA
Strontium	3.1 E+2	NA	6.6 E-3	0.0 E+0	3.8 E-1	NA	2.4 E-7	0.39	NA	NA	NA	NA	NA	NA
Tin	7.6 E-1	NA	1.6 E-5	0.0 E+0	1.1 E-5	NA	5.9 E-10	0.000027	NA	NA	NA	NA	NA	NA
Titanium	9.3 E+2	NA	3.0 E-3	0.0 E+0	4.0 E-4	NA	5.1 E-5	0.0034	NA	NA	NA	NA	NA	NA
Vanadium	5.3 E+1	NA	6.8 E-1	0.0 E+0	9.2 E-2	NA	NA	0.77	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides														
2,4-DDE	1.7 E-3	NA	NA	NA	NA	NA	NA	NA	9 E-10	3 E-12	5 E-10	NA	6 E-14	1 E-9
4,4-DDE	3.7 E-3	NA	0.0 E+0	NA	NA	NA	NA	NA	0 E+0	6 E-12	1 E-9	NA	1 E-13	1 E-9
4,4-DDT	1.8 E-3	NA	4.5 E-5	3.8 E-6	1.2 E-5	NA	1.7 E-9	0.000061	9 E-10	3 E-12	7 E-10	NA	7 E-14	2 E-9
alpha-Chlordane	1.2 E-3	NA	3.1 E-5	3.5 E-6	1.2 E-5	NA	2.8 E-9	0.000046	7 E-10	3 E-12	7 E-10	NA	5 E-14	1 E-9
beta-BHC	4.3 E-3	NA	2.8 E-4	3.1 E-5	5.5 E-3	NA	1.0 E-8	0.0058	1 E-8	6 E-11	6 E-7	NA	8 E-13	6 E-7
Chlordane	1.2 E-2	NA	3.1 E-4	3.4 E-5	1.2 E-4	NA	2.8 E-8	0.00046	7 E-9	3 E-11	7 E-9	NA	5 E-13	1 E-8
Dieldrin	1.2 E-3	NA	3.2 E-4	8.9 E-5	2.8 E-4	NA	1.2 E-8	0.00069	3 E-8	1 E-9	8 E-8	NA	2 E-12	1 E-7
gamma-Chlordane	1.4 E-3	NA	3.5 E-5	3.9 E-6	1.3 E-5	NA	3.2 E-9	0.000052	7 E-10	4 E-12	8 E-10	NA	5 E-14	2 E-9
Volatile Organic Compounds														
Acetone	1.3 E-2	1.8 E+2	1.8 E-7	0.0 E+0	2.1 E-4	5.8 E-5	6.0 E-7	0.00027	NA	NA	NA	NA	NA	NA
Benzene	NA	2.1 E+0	NA	NA	NA	2.9 E-5	NA	0.000029	NA	NA	NA	1.6 E-9	NA	2 E-9
Carbon disulfide	NA	3.1 E+0	NA	NA	NA	2.1 E-6	NA	0.0000021	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	2.2 E-3	NA	4.0 E-5	0.0 E+0	1.5 E-3	NA	8.1 E-4	0.0024	4 E-10	0 E+0	5 E-8	NA	7 E-9	5 E-8
CFC-12	NA	6.3 E-1	NA	NA	NA	4.4 E-7	NA	0.00000044	NA	NA	NA	NA	NA	NA
Chloroform	NA	2.4 E+1	NA	NA	NA	3.7 E-4	NA	0.00037	NA	NA	NA	9.8 E-8	NA	1 E-7

Receptor	Total HI	Target Organ	Target Organ HIs	ILCR
Future On-Site Resident	2.9	Bone	0.4	3 E-6
		CNS	0.6	
		GI	0.9	
		Kidney	0.8	
		Liver	0.09	
		Other	0.2	

Chemical	**Soil Concentration (mg/kg)**	**Soil Vapor Concentration (ppbv)**	**Oral HQ**	**Dermal HQ**	**Homegrown Produce HQ**	**Indoor Inhal HQ**	**Outdoor Inhal HQ**	**Total HI**	**Oral ILCR**	**Dermal ILCR**	**Homegrown Produce ILCR**	**Indoor Inhal HQ**	**Outdoor Inhal ILCR**	**Total ILCR**
1,1-Dichloroethane	NA	9.8 E-1	NA	NA	NA	9.1 E-7	NA	0.00000091	NA	NA	NA	NA	NA	NA
1,1-Dichloroethylene	NA	1.0 E+1	NA	NA	NA	2.7 E-5	NA	0.000027	NA	NA	NA	NA	NA	NA
Dichloromethane	NA	2.2 E+0	NA	NA	NA	8.0 E-7	NA	0.00000080	NA	NA	NA	2.6 E-10	NA	3 E-10
Methyl ethyl ketone	NA	9.9 E+0	NA	NA	NA	1.7 E-6	NA	0.0000017	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone	NA	4.6 E+0	NA	NA	NA	1.1 E-6	NA	0.0000011	NA	NA	NA	NA	NA	NA
Tetrachloroethylene	NA	6.9 E+1	NA	NA	NA	1.4 E-3	NA	0.0014	NA	NA	NA	7.0 E-8	NA	7 E-8
Toluene	3.0 E-3	1.7 E+0	4.8 E-7	0.0 E+0	1.8 E-5	1.7 E-7	2.9 E-7	0.000019	NA	NA	NA	NA	NA	NA
Trichloroethylene	4.6 E-3	5.4 E-1	2.0 E-4	0.0 E+0	8.4 E-3	9.8 E-6	7.5 E-5	0.0087	9 E-11	0 E+0	1 E-8	1.6 E-10	1 E-9	1 E-8
1,2,4-Trimethylbenzene	NA	1.6 E+0	NA	NA	NA	4.1 E-6	NA	0.0000041	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	4.2 E+0	NA	NA	NA	1.9 E-5	NA	0.000019	NA	NA	NA	NA	NA	NA
Total			1.8	0.0066	1.0	0.00197	0.0051	2.9	1 E-6	5 E-9	1 E-6	2 E-7	8 E-9	3 E-6

Note: Target organs for each of the individual COPCs are provided in the calculation spreadsheets in Attachment E (on CD).

HQ = hazard quotient

HI - hazard index

ILCR = incremental lifetime cancer risk

Scenario	Estimated Airborne Chrysotile Concentrations[(1)] (s/cm^3)	Estimated Airborne Amphibole Concentrations[(1)] (s/cm^3)	Adjusted Chrysotile URF[(1)] $(s/cm^3)^{-1}$	Adjusted Amphibole URF[(1)] $(s/cm^3)^{-1}$	Estimated Chrysotile[(2)] Risk	Estimated Amphibole[(2)] Risk
LONG FIBERS						
Future Construction Worker-Best Estimate	6.2 E-4	0.0 E+0	1.9 E-4	2.1 E-2	1 E-7	0 E+0
Future Construction Worker-Upper Bound	1.9 E-3	9.2 E-4	1.9 E-4	2.1 E-2	4 E-7	2 E-5
Future On-Site Resident Adult-Best Estimate	4.4 E-7	0.0 E+0	1.4 E-3	1.5 E-1	6 E-10	0 E+0
Future On-Site Resident Adult-Upper Bound	1.4 E-6	6.5 E-7	1.4 E-3	1.5 E-1	2 E-9	1 E-7
Future On-Site Resident Child-Best Estimate	4.4 E-7	0.0 E+0	3.4 E-4	3.8 E-2	1 E-10	0 E+0
Future On-Site Resident Child-Upper Bound	1.4 E-6	6.5 E-7	3.4 E-4	3.8 E-2	5 E-10	2 E-8

Notes:

(1) From calculation spreadsheets in Attachment E (on CD).

(2) Estimated airborne concentrations × URF.

Best Estimate - Based on the pooled analytical sensitivity multiplied by the number of asbestos fibers found.

Upper Bound - Based on the 95% UCL of the Poisson distribution.

Table 11a: Sample Size Results for Chrysotile Asbestos (8 long fibers = 1 x 10^{-6})

Number of samples = 11		s = 0.40		
Threshold = 8 long fibers		a = 5%	a = 10%	a = 15%
MDD = 10% (0.8 long fibers)	b = 15%	4	3	2
	b = 20%	3	2	2
	b = 25%	3	2	1
MDD = 20% (1.6 long fibers)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1
MDD = 30% (2.4 long fibers)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1

Table 11b: Sample Size Results for 2,3,7,8-TCDD with PRG = 3.9 pg/g

Number of samples = 47		s = 0.163		
Threshold = 3.9 pg/g		a = 5%	a = 10%	a = 15%
MDD = 10% (0.39 pg/g)	b = 15%	3	2	1
	b = 20%	3	2	1
	b = 25%	3	2	1
MDD = 20% (0.78 pg/g)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1
MDD = 30% (1.17 pg/g)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1

Table 11c: Sample Size Results for Iron with Background = 19,700 mg/kg

Number of samples = 153		s = 2945		
Threshold = 19,700 mg/kg		a = 5%	a = 10%	a = 15%
MDD = 10% (1,970 mg/kg)	b = 15%	20	15	12
	b = 20%	18	13	10
	b = 25%	16	11	8
MDD = 20% (3,940 mg/kg)	b = 15%	6	4	3
	b = 20%	6	4	3
	b = 25%	5	3	3
MDD = 30% (5,910 mg/kg)	b = 15%	4	3	2
	b = 20%	3	2	2
	b = 25%	3	2	1

Table 11d: Sample Size Results for Manganese with Background = 1,090 mg/kg

Number of samples = 130		s = 116.1		
Threshold = 1,090 mg/kg		a = 5%	a = 10%	a = 15%
MDD = 10% (109 mg/kg)	b = 15%	11	8	6
	b = 20%	10	7	5
	b = 25%	9	6	4
MDD = 20% (218 mg/kg)	b = 15%	4	3	2
	b = 20%	4	2	2
	b = 25%	3	2	2
MDD = 30% (327 mg/kg)	b = 15%	3	2	1
	b = 20%	2	2	1
	b = 25%	2	2	1

Table 11e: Sample Size Results for Vanadium with Background = 59.1 mg/kg

Number of samples = 153		s = 10.7		
Threshold = 59.1 mg/kg		a = 5%	a = 10%	a = 15%
MDD = 10% (5.9 mg/kg)	b = 15%	29	21	17
	b = 20%	25	18	14
	b = 25%	22	16	12
MDD = 20% (11.8 mg/kg)	b = 15%	8	6	5
	b = 20%	7	5	4
	b = 25%	7	5	3
MDD = 30% (17.7 mg/kg)	b = 15%	5	3	2
	b = 20%	4	3	2
	b = 25%	4	3	2

Table 11f: Sample Size Results for Trichloroethylene with PRG = 0.053 mg/kg

Number of samples = 125		s = 0.0032		
Threshold = 0.053 mg/kg		a = 5%	a = 10%	a = 15%
MDD = 10% (0.005 mg/kg)	b = 15%	5	3	2
	b = 20%	4	3	2
	b = 25%	4	3	2
MDD = 20% (0.011 mg/kg)	b = 15%	2	2	1
	b = 20%	2	1	1
	b = 25%	2	1	1
MDD = 30% (0.016 mg/kg)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1

Table 11g: Sample Size Results for beta-BHC with PRG = 0.32 mg/kg

Number of samples = 126		s = 0.0027		
Threshold = 0.32 mg/kg		a = 5%	a = 10%	a = 15%
MDD = 10% (0.032 mg/kg)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1
MDD = 20% (0.064 mg/kg)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1
MDD = 30% (0.096 mg/kg)	b = 15%	2	1	1
	b = 20%	2	1	1
	b = 25%	2	1	1

Table 11h: Sample Size Results for Arsenic with Background = 7.2 mg/kg

Number of samples = 130		s = 0.72		
Threshold = 7.2 mg/kg		a = 5%	a = 10%	a = 15%
MDD = 10% (0.72 mg/kg)	b = 15%	10	7	6
	b = 20%	9	6	5
	b = 25%	8	5	4
MDD = 20% (1.4 mg/kg)	b = 15%	4	3	2
	b = 20%	3	2	2
	b = 25%	3	2	1
MDD = 30% (2.2 mg/kg)	b = 15%	2	2	1
	b = 20%	2	2	1
	b = 25%	2	1	1

Attachment A

Attachment A-1

Response to NDEP Comments Dated January 17, 2008 on the Technical Memoranda – Data Review for 2007 Parcel 4A Investigation, Revision 1, BMI Common Areas (Eastside), Clark County, Nevada Dated October 29, 2007

I. GENERAL COMMENTS

1. It would facilitate document review if the response to comments would identify where in the revised report the referenced edits were made (i.e., section and page). Please address this in future Deliverables.

Response: *This, and future, deliverables will identify in each response where in the revised report edits were made in response to a particular comment. No modifications have been made to the document in response to this comment.*

2. The health risk assessment (HRA) does not appear to be fully consistent with the approved HRA methodology that was submitted as a component of the Closure Plan. Future HRAs must fully comply with the methodology outlined in the Closure Plan or the methodology in the Closure Plan must be modified.

Response: *As the title suggests, and consistent with discussions with NDEP, the technical memorandum is a data review, with a screening-level health risk assessment included. An NFA has already been granted for the property, and the intent of the investigation was to provide data to re-affirm the NFA. Therefore, a complete, stand-alone risk assessment document was not produced; again consist with discussions with NDEP. Therefore, the screening-level health risk assessment inherently does not comply with the Closure Plan methodology. All future risk assessments for the other portions of the Eastside property will comply with the Closure Plan methodology. Modifications made to the document in response to this comment are discussed in the response to Introduction specific comment below.*

3. USEPA Region IX Preliminary Remediation Goals (PRGs) (USEPA, 2004) are still being used in the HRA to support decisions. This appears unnecessary, please explain why these are included. The site-specific CSM identifies exposure pathways that are not addressed by PRGs. See additional comments below.

Response: *USEPA Region 9 PRGs are not being used to support decisions. PRGs are simply included in the data summary section as a value to compare site data against for context only, and as an indication of data usability and data visualizations. As with the soil screening levels (SSLs), NDEP has repeatedly asked that we include these summary comparisons for review purposes. However, as stated above, these values are not being used to support decisions. The results of the screening-level health risk assessment are used for this purpose. PRGs and SSLs are now referred to as 'Comparison Levels' in the revised report. (see for example, pages 2, 6, and 14.*

4. Many sections seem appear to be out of order. Examples follow. A data summary is provided prior to the CSM and Data Validation. Background comparisons are part of the data summary and not part of the risk assessment, although they are mentioned in the introduction to the risk assessment. Data adequacy is performed prior to the risk assessment, although the variance used in the data adequacy calculations comes from the data, and data adequacy ultimately addresses the issue of whether the data are adequate to support the risk assessment that has been performed. Please address this in future submittals.

Response: *As noted above, the technical memorandum is a data review, with a* <u>*screening-level*</u> *health risk assessment included. Therefore, sections of the document do not conform to a classic risk assessment report. All future risk assessments for the other portions of the Eastside property will comply with the Closure Plan methodology. Modifications made to the document in response to this comment are discussed in the response to Introduction specific comment below.*

5. There is very little discussion or interpretation of results. Numerical results are referenced to tables, and are not summarized adequately in the text. This does not help the NDEP gain a sense of issues that might have arisen, how to interpret results in the content of the CSM, or, in general, if the results really support the conclusions. It would be preferable to more clearly have presented BRC's interpretation or views on what has been found, starting from potential releases (background comparisons) tied to the CSM, to issues associated with interpretation of the risk assessment results. For example, although the background comparison statistics are presented in the Appendix tables, there is no discussion of the results.

Response: *Because a screening-level health risk assessment was also conducted, the interpretation of results for the evaluation of data against comparison levels is limited. Further interpretation is provided in the screening-level health risk assessment. Additional information on the background comparison statistics has been added to this section of the document (on page 17).*

6. The groundwater and indoor air pathway have not been included directly in the risk assessment based on language that says that the pathways don't really exist. However, in the CSM the mechanisms by which groundwater is contaminated are described. There is a disconnect between the descriptions contained in the CSM concerning groundwater contamination and mounding effects, and the choice of pathways to include in the risk assessment.

Response: *The indoor air pathway has been included in the screening-level health risk assessment, using the soil vapor data collected at the site. As far as groundwater, although the mechanisms by which groundwater may be impacted are described, as stated in the document, because of the depth to groundwater and the low level of detected chemicals most associated with potential groundwater impacts, migration to groundwater from the property is considered unlikely and exposures were therefore not further evaluated. Also as noted in the document, this* *does not preclude future groundwater investigation or remediation activities that may need to be conducted. Language regarding the indoor air pathway has been modified on page 15 indicating that this pathway is evaluated in the screening-level health risk assessment.*

7. There has been some remediation and re-sampling performed at this site. Although there is a brief mention of some of this in the Data Summary section, there is no presentation of the results of the remediation activities. Some presentation should be given of all the remediation and re-sampling activities that have been performed (especially recently), and of the results of those activities.

Response: *All results, both pre- and post-remediation are presented in various sections of the document. For example, the data files provided with the document contain all the 2007 data collected at the property. However, discussions of the remediation and re-sampling activities have been added to the document on pages 13 and 15.*

II. SPECIFIC COMMENTS

Introduction

Page 2, Bullets. The order in which these bullets are laid out does not seem to match the chronological order in which the work in or should be performed and presented. Data usability mostly relates to collection and reporting of data and the PARCC parameters. This analysis is performed before the data are summarized and any analysis (e.g., background comparisons) are performed. Also, data adequacy relates to EPA's Data Quality Assessment, which asks the question of whether the data are adequate to support the decision. It is difficult to assess this without knowing what the decision is. We would recommend an order, at a high level, such as:

Introduction
CSM
Data Usability (preceded by Data Validation if necessary)
Data (statistical) summaries, including EDA
Background comparisons (as part of the risk assessment – selection of COPCs)
Risk assessment
Data Adequacy
Summary

Response: *The document has been revised to follow the order of presentation listed in this comment. See the revised Introduction section, page 2, for how the document is now arranged.*

Data Summary

1. Page 2: Data Summary, first sentence, it would be helpful if this Section referenced a figure showing the grid cells, and the sample locations within those grid cells.

Response: *The sampling grid has been added to Figure 1, and reference to this figure has been added to the text on page 2.*

2. Bottom of page 2, some discussion should be provided regarding the pre-excavation data and potential sources for the impacted areas.

Response: *Potential source area discussions are provided in the CSM section of the document. As discussed above in response to the Introduction specific comment, the CSM has been moved forward in the report. In addition, text has been added on pages 4 and 5 regarding potential sources.*

3. Page 3, as noted above, it is not clear what role the "screening levels" play in the HRA. Because the site-specific conceptual site model (CSM) identifies exposure pathways that are not addressed by PRGs, and PRGs (without adjustment) do not address cumulative risk, conclusions regarding complete exposure pathways and potential hot spots should not be based on PRG comparisons. It is recommended that the PRG discussion be removed from this section.

Response: *As discussed above, the screening levels are independent of and do not play a role in the screening-level health risk assessment. As noted above, the screening levels are provided, consistent with other data review documents provided to NDEP, in the data summary section as values to compare site data against for context only, and as an indication of data usability and data visualizations. The term screening levels has been changed to comparison levels throughout the document.*

4. Page 3, the NDEP does not concur with the use of USEPA Soil Screening Levels (SSLs) with a dilution attenuation factor (DAF) of 20. Given the size of the source area (greater than 30 acres) and known impacts to groundwater it is the belief of the NDEP that the use of the SSL DAF 20 is not defensible.

Response: *Known impacts to groundwater are likely associated with other areas of the project, and not necessarily Parcels 4A and 4B, given the low levels of chemicals that have been detected in these areas. Regardless, comparisons to SSL with a DAF of 1 have been added to the document. These can be found on Table 1 and in the Data Summary section, page 14.*

5. Page 4, this section concludes that the indoor air pathway is not considered a pathway of concern based on three criteria: "(1) VOCs were detected only sporadically and no hot spots were identified (see Determination of Exposure Point Concentrations section below)"; "(2) there are only two instances of VOCs exceeding USEPA soil vapor screening levels"; and "(3) depth to groundwater beneath the property (see below)". NDEP concerns are as follows:
   a. Some key VOCs were detected more than sporadically. For example, for Parcel 4A PCE, toluene and acetone were detected in every soil vapor sample (100% detection

frequency); MEK had a 78% detection frequency; benzene a 67% detection frequency, etc. It is concluded that there are no hot spots, but it is not clear how hot spots (or lack thereof) have been defined in the HRA.

Response: *This paragraph has been modified to remove this language (see page 15) and to indicate that the screening-level health risk assessment addresses this potential exposure pathway.*

b. The NDEP was unable to confirm the USEPA soil vapor screening levels (USEPA, 2002) used in the HRA (Table B-9). Please identify the USEPA 2002 guidance table used and rationale for the use of that table.

Response: *The soil vapor screening levels used in the document (note, these were not used in the screening-level health risk assessment as implied by this comment) were obtained from USEPA 2002. The full reference has been added to Table B-9.*

c. Although groundwater is not shallow, it represents the primary source for VOCs at the site, and the soil gas data support that this migration pathway is complete.

Response: *Agreed. This exposure pathway was evaluated in the screening-level health risk assessment. The document does not state that the migration pathway is incomplete (see Figure 2), but rather that it is not considered a pathway of concern. Results of the screening-level risk assessment using the soil vapor data support this conclusion. No modifications have been made to the document in response to this comment.*

<u>Conceptual Site Model</u>

6. Potential Source Areas, page 5 and Figure 3, a discussion is needed to explain why the existing storm water ditches were not sampled and why these were not sampled as sink for contaminants. Perhaps these issues can be addressed via the uncertainty analysis for the purpose of this document.

Response: *As presented in the workplan for the property, samples were placed to specifically address storm water ditches. Language has been added on page 5 to indicate which samples were placed in storm water ditches.*

<u>Evaluation of Concentrations Relative to Background Conditions</u>

7. Page 6, As noted above, it seems strange that this section would appear before the data usability section. The interpretation consists of a list of chemicals that pass or fail background comparisons. It would be helpful to have more interpretation to justify the metals-specific decisions that have been made. It is not clear in the text which metals were evaluated, and it is not clear in the text if radionuclides were evaluated. It would be helpful

of the results were tied back to the CSM, so that some explanation for apparent releases can be found.

Response: *Modifications made to the document in response to this comment are discussed in the response to Introduction specific comment below. The discussion on the comparison to background for metals has been expanded. This is presented in the Evaluation of Concentrations Relative to Background Conditions section, page 17. It has also been clarified on page 4 that radionuclides were not analyzed for in Parcel 4A. They were only analyzed for in Parcel 4B.*

Data Usability Evaluation

8. Criterion IV, Analytical Methods and Detection Limits, top of page11, it is stated here that there were no detection limits that exceeded the PRGs and that the detection limits are considered adequate. However, on page 16, it is stated that "Data identified in the data usability evaluation as unusable due to elevated reporting limits were not used in the calculation of representative exposure concentrations." Please clarify. All unusable data should be identified and rationale should be provided for why the data are unusable.

Response: *Only three samples were rejected and not used in the screening-level health risk assessment. All three were 2,4-dinitrophenol due to the LCS recovery being outside of control limits, not due to elevated reporting limits. In addition, all three samples were located in Parcel 4B. The text identified in this comment has been removed, and the text has been added on page 11 to indicate that no samples were rejected in the Parcel 4A dataset.*

9. Criterion V, Data Review, bottom of page 11, reference is made to rejected data that were not used in the HRA. These data should be identified in the data usability evaluation by sample number and analytical method and a discussion should be provided as to why the data were unusable for HRA and what the potential impacts (on risk characterization) are of removing those data points from the HRA.

Response: *As noted above, a discussion on the rejected data has been added to the document on page 11.*

10. Bottom of page 11, please define the term "anomalous" as used in the HRA in regard to the usability of the data.

Response: *The term anomalous, as defined in the DVSR refers to data that were qualified as anomalous ("U") due to blank contamination. This definition has been added to the document on page 11.*

11. Criterion VI, Data Quality Indicators, bottom of page 12, it is stated that "Some of the data were eliminated due to data usability concerns"; however, no further discussion is provided. Please identify each of the eliminated data points, provide rationale for the data being

unusable, and discuss the potential impacts (on risk characterization) of removing the data points from the HRA.

Response: *As noted above, a discussion on the rejected data has been added to the document on page 11.*

12. Please add a discussion regarding precision and accuracy DQIs.

Response: *As noted in the document on page 12, detailed discussion of and tables with specific exceedances, with respect to precision and accuracy are provided in the DVSR. However, a general discussion on precision and accuracy has been added to the document on pages 11 and 12.*

<u>Data Adequacy</u>

13. Page 12, as noted above, this section also seems out of place, since it relates to the results of the risk assessment. The formula given states that it "accommodates data that are not normally distributed". However, no indication has been provided in the text of the reasonableness of this accommodation for the four chemicals that have been evaluated.
    a. The formula provided applies to a 2-sample test, and, hence is presumably meant to apply to the background comparisons that have been performed. In fact, the first reference is to a background comparisons report from USEPA. However, the text suggests that this formula is to be used in the context of a 1-sample comparison with an analyte-specific threshold. If this latter is the intent, then the wrong formula has been used. If the former is the intent, then some clarification is needed on the standard deviation.

Response: *Data adequacy text and calculations have been revised to be consistent with the approach used by Neptune and Company for the TRECO risk assessment. See page 26 and Table 11 for revisions to the document in response to this comment.*

    b. Also, the formula as presented is incorrect. The 1.16 multiplier should be applied to all other terms on the right hand side of the equation.

Response: *See response to comment 13a above. In addition, parentheses have been added to the revised equation to show that the 1.16 multiplier is applied to all other terms on the right hand side of the equation.*

    c. Also, please note that the second reference should be removed, since ProUCL does not do sample size calculations. The original work to justify this formula came from PNNL, and is provided in their software product called Visual Sampling Plan – this would be a more appropriate second reference

Response: *See response to comment 13a above.*

d. In addition for this section, the results for asbestos have not been considered from a data adequacy perspective.

Response: *Asbestos has been added to the list of analytes evaluated for data adequacy. See text on page 26 and Table 11.*

Screening Level Health Risk Assessment

14. Top of page 14, this section references "The comparison to screening levels in the Data Review section above". The reviewers did not find a comparison to screening levels exercise in the Data Review section. Perhaps BRC meant to refer to the Data Summary section. Either way, it is not clear where the comparison exercise is conducted, or why.

Response: *Correct, reference should have been to the Data Summary section. This text has been revised on page 16. See response to general comment #3 on why the comparison was conducted.*

Determination of Exposure Point Concentrations

15. Page 16, First full paragraph, last sentence, these references do not provide the formulas that are used. In particular, they do not provide formulas for the bootstrap methods.

Response: *As noted in the document, the computer statistical software program, Guided Interactive Statistical Decision Tools (GISdT), by Neptune and Company 2007, was used to perform all statistical comparisons. No modifications have been made in response to this comment.*

16. Page 16: Second full paragraph, first sentence states, "The representativeness of the 95 percent UCLs for each exposure area, that is, a site-wide mean concentration is valid for default residential exposure areas within the property, is further supported by the data distributions shown on Figures 4 and 5." This change has been made in response to previous comment #8 (see below). The intent of the comment was aimed at justification that a UCL could be reasonably estimated across the entire site. This should take into account statistical issues (is there one population or more than one?), and risk scenarios (is the size of the exposure unit greater or less than the entire area? or, are exposure units being combined?). The data distributions presented in Figures 4 and 5 do not fully support this. They do not show the spatial patterns across the site. Bubble plots or intensity plots would do this.

Response: *The intent of the discussion and the figures was to demonstrate that the data are heterogenous and uncorrelated, and according to the Statistical Methodology report, use of the 95 percent UCL is appropriate across the site. Bubble plots for all COPCs have been added as*

Attachment D of the document. These bubble plots replace Figures 4 and 5, and are discussed in the Determination of Exposure Point Concentrations section, page 20.

a. Also, some better explanation should be given regarding Figures 4 and 5. The vertical axis on the variogram cloud plots is not labeled. The conclusions concerning the variograms are too brief. Different patterns are evident in the variograms, and yet the same brief conclusion is reached for all 8 of them. The variogram plot for iron appears to contain some degree of bifurcation, which can be evidence of anisotropy. For example, if there were a strong correlation on a SW-NE axis, this would be some evidence of aeolian deposition of contaminants from the waste pile formerly located to the south of the site. Spatial plots of the data (bubble or intensity) would be more helpful.

Response: *As noted above bubble plots have been added as Attachment D of the document, and these are discussed in the Determination of Exposure Point Concentrations section, page 20.*

17. Page 16, third paragraph, first sentence states, "Figures 4 and 5 demonstrate that the data across the property are uncorrelated, that is, there is no discernable spatial correlation." This is not necessarily the case since the plots only show that concentrations are above or below a given threshold. This type of a plot where the data are essentially categorized is inappropriate for detecting spatial correlation.

Response: *As noted above bubble plots have been added as Attachment D of the document, and these are discussed in the Determination of Exposure Point Concentrations section, page 20.*

18. Page 16, bottom half of middle paragraph. Metals are the primary risk drivers, and these 4 metals have been selected because they drive the risk. The next sentence suggests that there is a reason why the 4 organic compounds have been selected, but the reasons are not provided in any context. Are they the main organic contributors to risk? If so, a better explanation for their selection can be provided.

Response: *As noted above bubble plots have been added as Attachment D of the document, and these are discussed in the Determination of Exposure Point Concentrations section, page 20.*

19. Page 16, second to last sentence states, "However, these exceedances were less then 20 percent greater than USEPA residential PRGs." It's not clear why the 20% greater than the PRG is a useful point of comparison. The issue is whether these values stand out from the others, and from a concentration perspective. If these few values are 20% greater than the PRG, and the remaining values are (say) 1/100th of the PRG, then these values might constitute a hot spot. That is, these values need to be placed in the context of the remaining values.

Response: *This sentence has been removed. In addition, consistent with discussion with NDEP, iron and vanadium at sample locations FG-SS-1 and CP-SS-2 (and associated step-out samples) have been evaluated separately. Text has been added on page 20 to discuss this issue.*

20. Page 16, bottom, a site-wide mean concentration is deemed as representative of any residential exposure area (e.g., one-eighth acre) within the site. Please provide the rationale for that conclusion in light of sample-specific risk/hazard index results.

Response: *Sample-specific results are usually not used in risk assessment, rather the 95 percent UCL is typically used because a sample-specific result represents a single location, whereas, an individual receptor is assumed to be equally exposed to media within all portions of the exposure unit over the time frame of the risk assessment (e.g., 30 years). USEPA recommends using the average concentration to represent "a reasonable estimate of the concentration likely to be contacted over time" (RAGS; USEPA 1989). If, as BRC is trying to demonstrate, the sample results are uncorrelated, then the 95 percent UCL calculated for the property should be representative of any particular exposure area. As noted above, iron and vanadium at sample locations FG-SS-1 and CP-SS-2 (and associated step-out samples) have been evaluated separately.*

Uncertainty Analysis

21. Page 18, Uncertainty Analysis. Whereas several possible sources of uncertainty have been described in general, there is very little explanation of specific sources of uncertainty for this risk assessment. As is the case for much of this report, reference is made instead to a Table. It would be preferable to have some explanation in the text, or, perhaps, insert tables like this one into the text directly.

Response: *Additional discussions have been added to the Uncertainty Analysis section on pages 24 and 25. In addition, an explanation for Low, Moderate, and High, on Table 6, has been added on page 24.*

Screening-Level Health Risk Assessment Results

22. Page 20. Last paragraph, third sentence, BRC states “It should be noted that zero risks are associated with long amphibole fibers”. This statement needs to be revised or deleted. By itself it is incorrect as stated. In the context of this site, it is also incorrect. Just because fibers were not found, does not mean that there are no fibers on the site, and that there is no risk. It is reasonable to state, however, that the RME risk estimates are based on an observed count of zero fibers, or words to that effect.

Response: *The sentence has been revised as suggested by this comment, that is, ‘It should be noted that the RME risk estimates are based on an observed count of zero long amphibole structures.’ See page 16.*

23. Page 20. Last paragraph, last sentence. The word “overly” should be removed.

Response: *This word has been removed from the document*

24. Page 21, bullet. The first part of this bullet is not a rationale supporting conservatism. This is how the calculations have been performed. The second part is the relevant point – that asbestos risk assessment guidance is based on studies of long term exposure to asbestos, not on studies of short term exposure.

Response: *The bullet has been revised as suggested by this comment, that is, the first part has been removed. See page 16.*

<u>Figures</u>

25. Figure 1, please show the location of the storm water ditches on this Figure.

Response: *The storm water ditches have been identified on Figure 1.*

26. Figure 3, historical data is shown on this Figure, however, it is not discussed in the remainder of the document. This data should be discussed and BRC should provide rationale for its exclusion. In addition, please discuss if this historic data is consistent with more recent data.

Response: *A brief reference to historical data is given in the Data Quality Indicators section of the document, under comparibility of the data. The range of historical data are also provided in Table 1. Additional discussion on why these data have not been included in the screening-level health risk assessment is provided in the Summary of Existing Data section of the document on page 3.*

<u>Tables</u>

27. Table 4, Under “COPC?” for asbestos, please change “No” to “Yes”.

Response: *This change has been made to Table 4 (now Table 3).*

28. Table 6, Please identify any oral bioavailability values used if they are less than 100%.

Response: *Oral bioavailability values used in the screening-level health risk assessment were provided in the risk calculation spreadsheets on the CD. A note referring to the CD has been added to the footnotes of Table 6 (now Table 5).*

29. Table 7, Based on the current USEPA position, the RfD may or may not overestimate hazard. Accordingly, please move "Moderate" into the "May Under or Overestimate Risk" box for the two RfD boxes.

Response: *This change has been made to Table 7 (now Table 6).*

30. Table 8, the NDEP has the following comments:
    a. It is not clear why the Johnson & Ettinger (J&E) modeling is not used as the basis for the inhalation pathway for residential receptors. Additionally, the J & E modeling should be discussed in the COPC, exposure assessment, and uncertainty analysis components of the HRA.

Response: *The Johnson & Ettinger model (J&E) <u>was used</u> for evaluating the indoor air inhalation pathway for residential receptors. Results from the indoor air exposure pathway have been included in the cumulative risk calculations on Tables 7 through 9. Discussion on the J&E model has been added to the text in the determination of exposure point concentrations, on page 22.*

    b. Rationale should be provided as to why the homegrown produce pathway was not evaluated for metals. As identified in the Closure Plan and USEPA Soil Screening Guidance, some metals have been assigned a produce SSL and some metals exhibit phytotoxicity at levels below human health concerns. Other metals should be addressed in terms of the homegrown produce pathway, as discussed in the Closure Plan.

Response: *The homegrown produce pathway was evaluated for metals. The plant uptake factors are presented in Table E-7 in the risk calculation spreadsheet on the CD, and the results are presented in Tables 7 though 9. None of the metals that were evaluated quantitatively in the screening-level health risk assessment have oral cancer slope factors, which is why they are not included in the incremental lifetime cancer risk results, but they are included in the non-cancer calculations, with the exception of lead, which is addressed separately, and nickel for which plant uptake values were not available. Discussion on the homegrown produce pathway has been added to the determination of exposure point concentrations components, on page 22.*

    c. Table 8, Target Organ Hazard Index Calculation, NDEP provides comments below that should be considered in the development of future Deliverables. It is expected that target organ analysis will not be required as part of the revised evaluation. If that is the case the comments provided below should be used in the development of future Deliverables and do not require a response.
        i. For COPCs that do not have a target organ identified, they were not included in the Target Organ hazard index (HI) calculation. This was not explained well in the text. A discussion of these COPCs contribution to the overall hazard index should be added to the uncertainty analysis section.

Response: *All COPCs have been included in the target organ hazard indices.*

ii. The NDEP was unable to verify the target organ(s) identified for risk/hazard index drivers (iron and dioxins) via the IRIS or ORNL as reported by BRC. Please provide specific document and page number for these two COPCs.

Response: *A reference to the target organ(s) for iron has been provided in the risk calculation spreadsheets on the CD. Dioxins/furans have been added to multiple target organs.*

iii. For vanadium, the ORNL reference document notes GI, kidney, and blood as the targets for chronic oral toxicity. However, based on current BRC calculations for GI, iron is the only COPC included in the hazard index calculation. If vanadium is added to the calculation, the hazard index is almost 2 and exceeds the target hazard index of 1. There is no discussion in the table or text why kidney effects for vanadium was chosen over GI or blood endpoints. It should also be noted that the IRIS chronic oral RfD is based on serum chemistry changes and not kidney, GI, or blood).

Response: *A discussion on the vanadium target organ has been provided on page 25.*

iv. In general, the process of using target organs for calculating the overall hazard index should be consistent. For COPCs that affect multiple target organs, the individual hazard indices should be included in the sum for each target organ that the COPC affects.

Response: *Agreed. COPCs that affect multiple target organs have been included in each individual target organ hazard index, as appropriate. See Tables 7 through 9.*

Attachment A

Parcel 4A Document, Responses to Comments (RTCs)

NDEP Response to RTC General Comment 2: Added text "Although the comparison statistics indicate that these metals levels at the property are above background, the cumulative probability plots and box-and-whisker plots indicate that for several of these metals, the property and background datasets are most likely representative of a single population. However, as discussed below, these metals are considered in the screening-level health risk assessment" It is not clear that this is correct or useful. Further interpretation and explanation, including in the context of the CSM is needed.

Response: *Additional discussion on the background comparison statistics and results is provided in the Evaluation of Concentrations Relative to Background Conditions section, page 17.*

NDEP Response to RTC 3: The text has not been revised so much as a parenthetical explanation has been offered. However, this explanation does not address the issue that the terms biased and random used together in this context are contradictory. Also, the parenthetical comment does not address the aspect of bias that is part of this term. Please explain, in what way is this design biased.

Response: *The text on page 2 has been changed to: "…involved collecting samples throughout the property using a systematic sampling with random point placement, consisting of a regular grid overlay across the property with a randomly placed sample within each grid cell."*

NDEP Response to RTC 8: The added text is "Due to the uncertainty associated with determining the true average concentration at a site, where direct measurements of the site average are unavailable, the USEPA recommends using the lower of the maximum detected concentration or the 95 percent upper confidence limit (UCL) as the concentration of a chemical to which an individual could be exposed over time (USEPA 1992b). For the 95 percent UCL concentration approach, the 95 percent UCL was computed in order to represent the area-wide exposure point concentrations." This does not address the issue. The issue is one of a large area with, hence, many exposure units. Please explain how the data help justify the use of a single UCL across all the potential exposure units. This requires some level of statistical homogeneity, or, more appropriate, a single population across the site. Otherwise, it might be more appropriate to divide the site into separate collections of exposure units, with a UCL and risk assessment performed for each one.

Response: *See response to specific comment #20 above.*

NDEP Response to RTC 9: The text added for discussion of background comparisons is brief, general and vague. What is needed here is some brief discussion of the interpretation of the results for each analyte where the results are not definitive.

Response: *Additional discussion on the background comparison statistics and results is provided in the Evaluation of Concentrations Relative to Background Conditions section, page 17.*

NDEP Response to RTC 11: It is not clear where this has been done. There is a sentence in the data summary that leads to one sample being replaced by 5 new samples, but no other discussion of any remediation and resampling activities, or of the results of those activities.

Response: *A brief reference to historical data is given in the Data Quality Indicators section of the document, under comparibility of the data. The range of historical data are also provided in Table 1. Additional discussion on why these data have not been included in the screening-level health risk assessment is provided in the Summary of Existing Data section of the document on page 3.*

NDEP Response to RTC 12: NDEP could not find where these have been discussed.

Response: *A discussion of the remediation and re-sampling activities has been added to the document on pages 13 and 15.*

NDEP Response to RTC 13: Although a reference has been applied, it is still not clear to us that this is being applied appropriately. It depends on whether the intent is to justify the UCL calculations or to justify the background comparisons. The formula is for a 2-sample test, but the text suggests it is for a 1-sample test. The formula is also incorrect. See also specific comments above.

Response: *Data adequacy text and calculations have been revised to be consistent with the approach used by Neptune and Company for the TRECO risk assessment. See page 26 and Table 11 for revisions to the document in response to this comment.*

Attachment D

31. Please add titles to the tables.

Response: *Titles have been added to each of the tables.*

32. Risks (or HI) for indoor air should be added to risks (or HI) for other pathways (with the exception of outdoor air) for purposes of risk characterization for future residential receptors.

Response: *The indoor air risks have been added to the cumulative cancer risks and hazard indices.*

33. Inhalation risks/hazard indices for PCE were not calculated. The reviewers recognize that USEPA currently does not list inhalation toxicity criteria for PCE. At a minimum, a discussion regarding the possible contribution of PCE to risk should be included in the uncertainty analysis. To be conservative it is requested that sources other than USEPA be cited for calculation of PCE-related risk.

Response: *Toxicity criteria for inhalation exposures from the California EPA, as cited in the Region 9 PRG table, have been added and used in the risk assessment calculations.*

34. Table D-9 SG in Attachment D (revised workbook received in early December) - The total values were still pasted values. However, the total values were verified to be correct by hand, this is not an efficient use of time. As noted previously, please provide "live" worksheets to the NDEP in the future.

Response: *Live spreadsheets have been included on the CD.*

35. Table D-9 SG in Attachment D (revised workbook received early December) **–** It should noted that the links for the ADD and LADD calculations refer to Table 6 B36 and B37 in the risk calculation workbook. These cell references are to the inhalation of soil particulates and not vapors. This does not affect the risks calculated; however, for later submissions it is recommended that this be corrected in the workbook template.

Response: *These links have been corrected in the spreadsheets included on the CD.*

Attachment A-2

Response to NDEP Comments Dated October 2, 2007 on the Technical Memoranda – Data Review for 2007 Parcel 4A Investigation and Data Review for 2007 Parcel 4B Investigation, BMI Common Areas (Eastside), Clark County, Nevada Dated September 11, 2007

Comments Relevant to Both Parcel 4A and Parcel 4B Reports

1. The reports state that the objective of the data analysis is "to provide data to confirm existing data and fill identified data gaps with regards to possible contaminant distribution on this property". In addition to providing data, the report uses risk-based screening methods (i.e., application of USEPA Preliminary Remediation Goals [PRGs], USEPA, 2004) to support conclusions regarding site safety. Using the PRG framework to determine if a site is safe represents a screening level health risk assessment (HRA). Accordingly, the report should be presented and formatted as a HRA.

Response: *The data memos have been revised to include a screening-level health risk assessment.*

2. Human health-based screening values (e.g., PRGs) should be adjusted for cumulative effects when evaluating multiple chemicals (USEPA, 2004, Section 3.3).

Response: *The data memos have been revised to include a screening-level health risk assessment*

3. PRGs should not be applied without confirming that the conceptual site model (CSM) has been adequately addressed by the PRGs (USEPA, 2004, Section 3.4) (e.g., the PRGs do not address indoor air or homegrown garden exposure pathways).

Response: *As noted above, the data memos have been revised to include a screening level health risk assessment. The screening level risk assessment has evaluated residential receptors and includes all applicable pathways (including the homegrown garden exposure pathway). Given the fact that residential is the receptor with the highest exposure level, this is considered conservative and protective for all other potential receptors. The only exception to this is asbestos because the only exposure pathway is via inhalation of dust. For this reason, asbestos risks have also been calculated for a construction worker.*

Regarding the indoor air pathway, because USEPA does not recommend/or provide screening soil concentrations for the indoor air exposure pathway, BRC has compared the soil vapor data to USEPA's indoor air screening levels (from USEPA 2002). In addition, BRC has provided discussions on the detected soil VOC concentrations in the document.

4. When using the 2004 PRGs, updates to toxicity criteria that have been made by USEPA since 2004 should be checked.

Response: *Comment noted. As stated above, BRC has performed a screening-level health risk assessment. This assessment has been conducted using the most recent toxicity criteria.*

5. Regardless of the fact that some PRGs and SSLs fail at both of the sites (as well as the lack of a cumulative evaluation), the reports conclude that the original No Further Action Determination is valid. At a minimum, cumulative risk should be evaluated and, because chemicals fail the PRG screen, a more refined (i.e., "Tier 2") evaluation should be conducted to document that the site is safe for unrestricted human use.

Response: *See response to comment 1 above.*

6. In regard to the "migration to groundwater" (leaching) SSLs, rationale should be provided for the use of DAF = 20. Criteria listed in the primary guidance document (USEPA, 1996) should be used for this decision.

Response: *Rationale for the use of a DAF of 20 has been provided in the documents.*

7. A CSM should be presented to identify the known and potential sources, release and transport mechanisms, receptors, exposure pathways, and exposure points. Rationale should be provided for excluding residential pathways such as inhalation of indoor air and ingestion of homegrown produce.

Response: *See response to comment 3 above.*

8. Rationale should be provided as to why the 95 percent upper confidence limit (UCL) on a site-wide mean concentration is valid for default residential exposure areas within each site.

Response: *Rationale for the use of the 95 percent UCL on a site-wide mean concentration has been provided.*

9. Soil sample depths are recorded in Attachment A as 0, 4, and 9 feet. If the data were combined for purposes of exposure assessment (i.e., in the calculation of UCLs), then documentation should be provided that surface soil EPCs would not be higher than the calculated UCLs.

Response: *An evaluation as to whether surface soil EPCs would be higher has been included. The 95 percent UCLs have been generated for both surface data only and all data. The higher of the two values for each COPC was used in the screening-level health risk assessment.*

10. Laboratory reports should be included with all site characterization and HRA reports. Alternately, a cross-reference to the approved, data validation summary reports would be acceptable.

Response: *Reference to the Data Validation Summary Reports has been provided.*

11. Some statement should be made as to the general comparability of the previous data and the newly collected data.

Response: *Reference to the comparability of the previous data has been provided.*

12. Results for the samples that were excavated should be discussed in the report so that the NDEP has a sense of impacts to the site and confirmation of the CSM.

Response: *Excavated results have been discussed.*

13. As per the ATSDR guidance (ATSDR, 1997), if one or more soil sampling values exceed the screening value of 50 ppt TEQ, further site-specific evaluations are needed.

Response: *Additional discussion on these exceedances has been included. In addition, these have been included as COPCs in the screening-level health risk assessment.*

14. VOCs have been detected in soil matrix samples and, in some cases (i.e., Parcel 4B), fail the PRG (which is based on an outdoor exposure scenario). Accordingly, the need to further address the indoor air pathway should be assessed.

Response: *See response to comment 3 above.*

15. PRGs are missing from Attachment A for some analytes (e.g., 1,2-dichloroethylene). Also, if analytes were detected that do not have a PRG, an appropriate toxicological surrogate should be identified.

Response: *See response to comments 3 and 4 above.*

16. There is no presentation or discussion of the asbestos results. However, there are three chrysotile detections in the dataset for Parcel 4A, and four detections for Parcel 4B. The risk consequences of these detections should be described.

Response: *A discussion on the asbestos results has been provided.*

Parcel 4A Document

1. General comment, please note that comments are provided below for the Parcel 4A document, however, they should be reviewed by BRC for applicability to both documents.

Response: *Comment noted.*

2. General comment, tables are provided in the Appendix which distributional background comparisons have been performed, however, the interpretation is very limited, requiring the reviewer to scour the tables for significant results. The issue for background comparisons is

really nature and extent of contamination, to verify the conceptual model, etc. Without some interpretation of results it is difficult to say what has been found.

Response: *Additional interpretation of the comparison to background has been added to the text.*

3. Page 1, second paragraph, 3rd sentence, the term "biased random sampling" should be clarified, because the two qualifiers are inherently contradictory.

Response: *This text has been revised.*

4. Page 1, second paragraph, last sentence, the word "collecting" should be changed to "collected".

Response: *This text has been revised.*

5. Page 2, Data Summary, first paragraph, please revise the last sentence to read "In summary, the original surface sample data from location FG-SS-1 (0 ft) was replaced with data for the five confirmatory samples.

Response: *This text has been revised.*

6. Page 2, Data Summary, it is noted that ATSDR screening levels are used in Table A7 (dioxins/furans), but are not described in the report. Please clarify this.

Response: *These screening levels have been discussed in the text.*

7. Page 2, Data Summary, it is noted that USEPA SSLs, protective of groundwater, are included, but little justification is provided. Please discuss.

Response: *These screening levels have been discussed in the text.*

8. Page 2, Data Summary, last sentence, please insert "quotient" after "toxic equivalency".

Response: *This text has been revised.*

9. Page 3, Data Summary, first paragraph, last sentence states "In addition, although there are numerous instances (109) where arsenic exceeds the EPA Region 9 residential PRG, as evaluated further below, there are no instances where arsenic exceeds the maximum shallow soil background data set presented in the /Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity /(BRC and TIMET 2007)." It is inappropriate to compare single values to a maximum in this context due to the discrepancy in sample size between the data for the subject Parcel and the Background Soil Summary Report, BMI Complex and Common Area Vicinity (BRC and TIMET 2007). The statement might be

reasonable if instead, it is included in the following section with some discussion of the distributional comparisons for arsenic.

Response: *Discussions of the distributional comparisons for metals has been included.*

10. Page 3, Data Summary, last sentence, distribution comparison tests should be used to establish if on site arsenic concentrations are within the range of background.

Response: *Discussions of the distributional comparisons for metals has been included.*

11. Page 3, Background comparisons, it is noted that the intent is to compare to background conditions. However, the section describes comparison to background concentrations, and comparison of UCLs to PRGs. The latter does not belong in this section. A new section should perhaps be created.

Response: *This text has been revised.*

12. Page 4, Data Adequacy, some evaluation of usability of the data for HRA should be provided, given that the data were evaluated using risk-based screening concentrations. Along these lines, the reviewers note that some of the reporting limits appear to exceed the screening concentrations.

Response: *A discussion on data usability has been included.*

13. Page 4, Data Adequacy section, please discuss if there is a reference available for the sample size calculations. NDEP was unable to replicate these results based on the EPA (1996, page 3.2-3, available at http://www.epa.gov/swerust1/cat/epaqag9.pdf) method. Alternately, an explicit representation of the code used to populate these tables would be acceptable. The data adequacy calculations appear to be based on a 1-sample test, however, background comparisons are 2-sample tests. It is not clear, therefore, that these calculations are appropriate. Some further discussion of how these calculations were performed is needed. Please note that this comment applies to both reports.

Response: *Reference for the methods used for data adequacy has been provided.*

14. Page 4, Summary, BRC indicates that a risk assessment is not necessary. However, most of the work needed to perform the risk calculations has been performed and presented to the NDEP, however, a majority of that documentation has not been included. In addition, asbestos has not been evaluated, and the purpose or role of groundwater in this data summary is not entirely clear as no conclusions are given.

Response: *See response to comment 1 above.*

15. Table 1, the table summary statistics last three columns are hard to interpret without also presenting the PRGs, SSLs, and maximum background values that were used. In addition, many of these chemicals do not have PRGs or SSLs, which also needs to be made clear.

Response: *These values have been included in the revised table.*

16. Table 2, the NDEP has the following comments:
    i. Footnote regarding "greater than background". It is not clear if this footnote refers to comparisons using the maximum background concentration, or the distributional comparisons.

Response: *Clarification has been provided.*

    ii. In general, the NDEP concurs with the conclusions of the tests. However, we also note that there are more than 100 data points in each data set. Hence, it is not unreasonable to use a lower significance level for comparison. Perhaps 0.01 could be used as there are no clear rules of thumb to follow. The problem is that as n increases, the chance of finding random differences by chance increases. This should be considered when making conclusions. In addition, some consideration should be given to comparing these data to background using the background subsets that are identified in the background comparisons report. For example, depth and geology makes a difference for some metals in background. This might help explain some more of the background differences that are seen here.

Response: *Given the distribution of the data, and the evaluation of whether use surface soil data only would affect the results of the risk assessment, no other background considerations were evaluated.*

<u>Parcel 4B Document</u>

1. Please correct the header to read "Parcel 4B".

Response: *The header has been corrected.*

2. Page 2, Data Summary, first paragraph, it is not clear from the text and the table in Attachment A what the sample identification is for the post-excavation AN-26 (0 ft) confirmatory sample. It is also unclear as to whether the data for that sample were used in the PRG screen. Please clarify in the text and table.

Response: *This has been clarified.*

3. Page 4, Evaluation of Concentrations Relative to Background Conditions, last sentence, using a comparison of the maximum background concentration to a site wide UCL is not a standard approach to determining if site concentrations are within background

concentrations. Distribution comparison tests should be used to establish if on site arsenic is within background.

Response: *See response to comment 1.*

4. Page 4, Data Adequacy, some evaluation of usability of the data for HRA should be provided, given that the data were evaluated using risk-based screening concentrations. Along these lines, the NDEP notes that some of the reporting limits appear to exceed the screening concentrations.

Response: *A discussion on data usability has been included.*

Redline/Strikeout

Basic Remediation COMPANY

TECHNICAL MEMORANDUM

To: Brian Rakvica (NDEP)

From: Ranajit Sahu (BRC)

cc: Jim Najima (NDEP)
Mark Jones (ERM)
Teri Copeland
Paul Black (Neptune and Co.)

Date: March 12, 2008~~October 29, 2007~~

Subject: Technical Memorandum – Data Review for 2007 Parcel 4A Investigation, BMI Common Areas (Eastside), Clark County, Nevada, Revision 1

Introduction

The objective of this Technical Memorandum is to present the results of an investigation Basic Remediation Company (BRC) performed for the Parcel 4A property of the BMI Common Areas in Clark County, Nevada. This revision of the Data Review Technical Memorandum, Revision 2~~Revision 1~~, incorporates comments received from the Nevada Division of Environmental Protection (NDEP) ~~,~~ dated October 2, 2007, on Revision 0 of the report, dated September 11, 2007, and comments received from the NDEP dated January 17, 2008, on Revision 1 of the report, dated October 29, 2007, as well as applicable comments received from the NDEP dated January 26, 2008 on the Parcel 4B Data Review Technical Memorandum. The NDEP comments and BRC's response to these comments are included in Attachment ~~Attachment~~ A. This revision of the Data Review Technical Memorandum also incorporates issues resolved during a meeting held on February 22, 2008 to discuss the NDEP's comment. Included~~Also included~~ in Attachment A is a redline/strikeout version of the text showing the revisions from the October 29~~September 11~~, 2007 version of the technical memorandum.

Based on a comparison of the data presented in an Environmental Characterization Report (ERM-West 1997) to the screening levels used by the ~~Nevada Division of Environmental Protection (~~NDEP~~)~~ at that time, the NDEP concluded in 1997 that no further characterization of the property was required and that development could proceed without environmental restriction (NDEP 1997). However, current shallow background levels were not in use in 1997 and, in addition, a risk assessment methodology has been developed for the BRC project in the *BRC Closure Plan* (BRC, ERM, and DBSA 2007), for evaluating the potential health impacts.

Therefore, this current investigation was conducted to provide data to confirm existing data and fill identified data gaps with regards to possible contaminant distribution on this property. The sampling was conducted in accordance to the NDEP-approved *Workplan for Parcels 4A and 4B Investigation* (BRC 2007). The 2007 Parcel 4A investigation involved collecting samples throughout the property using a systematic sampling with ~~on a biased~~ random point placement, consisting of a regular grid overlay across the property with a randomly placed sample within ~~(that is, random samples were collected from with~~ each grid cell. This provides ~~) to provide~~ enough samples for completion of a statistically robust assessment of chemical distribution, and if desired, to provide a robust data set upon which to perform a residential human health risk assessment. In addition to samples collected at random, focused samples were collected from specific areas to further investigate potential areas where elevated levels of chemicals may exist. A site map, showing the grid overlay and sample locations, is provided in Figure 1.

Parcel 4A and the adjacent Parcel 4B were not directly used for any manufacturing or waste disposal activities. They are located adjacent to BMI waste disposal ponds. Based on the data collected, affirmation of the existing No Further Action Determination (NFAD) for Parcel 4A is evaluated in this technical memorandum. Specifically, this technical memorandum includes the following primary tasks:

- Conceptual site model (CSM);
- ~~Summary of data, including comparisons to risk-based screening levels (RBSLs);~~
- ~~Statistical comparison to background concentrations;~~
- Data usability evaluation;
- Summary of data, including~~Data adequacy~~ evaluation to comparison levels;~~; and~~
- Screening-level health risk assessment, including statistical comparison to background concentrations; and
- Data adequacy evaluation.

Each of these tasks is discussed below.

Conceptual Site Model

The ~~conceptual site model (~~CSM~~)~~ is used to describe relationships between chemicals and potentially exposed human receptor populations, thereby delineating the relationships between the suspected sources of chemicals identified at the property, the mechanisms by which the chemicals might be released and transported in the environment, and the means by which the receptors could come in contact with the chemicals. The CSM provides a basis for defining data quality objectives and developing exposure scenarios.

~~The CSM considers current and potential future land use conditions. Currently, the property is undeveloped. Current receptors that may use the property include on-site trespassers. Therefore, current exposures to native soils at the property are likely to be minimal. In addition, exposures to future receptors will be much greater than current exposures. For example, future receptors include residents who are assumed to be exposed to soil at the property for 350 days per year for 30 years which is much greater than any current exposures.~~

~~USEPA (1989) guidance states that potential future land use should be considered in addition to current land use when evaluating the potential for human exposure at a site. Therefore, the CSM also considers other future land uses. For example, the CSM includes the planned use of the property for redevelopment according to a mixed-use master plan. A full CSM has been provided in the NDEP-approved *Workplan for Parcels 4A and 4B Investigation* (BRC 2007) as well as the *BRC Closure Plan* (BRC, ERM, and DBSA 2007). The potentially exposed populations and their potential routes of exposure are presented in Figure 2.~~

Property Description

Parcel 4A comprises approximately 422 acres of undeveloped land with very little surface relief that is gently sloping to the northwest. It is part of an area referred to as the "NFA Exclusion Areas 4A/4B." It is located in close proximity to waste conveyance and disposal facilities historically operated by the BMI Complex, including the Beta Ditch and Upper Ponds, and municipal wastewater infiltration ponds formerly operated by the City of Henderson (the "Southern RIBs;" see Figure 1). While the Southern RIBs have not been decommissioned, they have not been used since May 2005.

Land use in the vicinity is mixed, ranging from industrial in the BMI Complex itself to light industrial at the margins of the Complex to commercial and residential on the periphery of Parcel 4A. Lands surrounding the BMI Complex are zoned commercial and residential, and are mostly developed. The TIMET manufacturing plant is located to the west of Parcel 4A, across Boulder Highway. Other structures are also located in proximity to Parcel 4A, including the St. Rose of Lima Hospital, several shopping centers, a mobile home park, and an apartment complex.

Summary of Existing Data

Most of the environmental investigations conducted at the BMI Complex have focused on the adjacent operating facilities and Upper Ponds and Ditches areas of the BMI Common Areas, but some data have been collected at Parcel 4A in support of those efforts. The investigations of soil and groundwater that have been performed at the property include the following:

1. *Draft Report of Findings-Phase II Limited Subsurface Evaluations-Proposed Disposal Expansion Site, Henderson, Nevada* (WT Environmental Consultants 1991);

2. *Environmental Characterization Report, BMI Exclusion Areas 3, 4A, 4B, 5/6, Henderson Nevada* (ERM-West 1997);

3. *2004 Hydrogeologic Characterization Summary, BMI Upper and Lower Ponds and Ditches Henderson Nevada* (BRC, MWH and DBSA, 2004); and

4. BMI Common Areas (Eastside) Quarterly Groundwater Monitoring Reports, Clark County, Nevada (MWH 2006a,b; 2007a,b).

In addition, BRC reviewed a 1980 USEPA report entitled *Aerial Reconnaissance of Hazardous Waste and Pollution Sources* (July 1980) which discusses the BMI Complex. As noted below, no specific impacts were noted at Parcel 4A in this report.

According to the results of the investigations listed above, there is no documentation of waste disposal from the BMI Complex to the property, and the property was not part of operations from the Upper Ponds. Visual inspection of Parcel 4A generally corroborates this conclusion.

Many of the previous samples were composite sampling, all soil samples (other than limited soil samples collected in support of the 2004 Hydrogeologic Characterization Investigation) were collected over 10 years ago, and not all of the previous samples have been analyzed for all of the major chemicals or chemical families and several used different analytical methods. The ranges of sample results from historical investigations are provided in Table 1. This table shows that the current investigation results are comparable to previous results at the property. Therefore, because of the factors discussed above, and because the current investigation results are considered representative of site conditions, previous results are not evaluated further in this data review, or the screening-level health risk assessment.

Potential Source Areas

Six areas were identified in the workplan that warranted further investigation. These areas for both Parcels 4A and 4B were:

- *Anomalous Sampling Area*: This area is located in the northwest margin of Parcel 4B where elevated arsenic concentrations were observed in composite soil samples from a 1991 investigation.

- *Radiation Survey Area*: This area is located near the northeast margin of Parcel 4B along the boundary adjacent to the Upper Ponds. The U.S. Environmental Protection Agency (USEPA) conducted an aerial survey in 1980 that suggested elevated gamma radiation may be present in this area. The aerial survey did not suggest the presence of elevated gamma radiation in Parcel 4A. Therefore, sampling and analysis for radionuclides in Parcel 4A was not included in the NDEP-approved workplan.

- *Stormwater Ditches*: The stormwater diversion ditch that traverses the southern edge of property may have intercepted chemically-impacted stormwater washed onto the property from off-site. Field mapping was conducted to qualitatively assess the path of the stormwater diversion channel(s) prior to locating the sample borings. Additional mapping of the stormwater diversion channel was conducted by observing the topography, vegetation patterns, and sediment accumulation. Soil samples were collected from two locations within Parcel 4A (SW-SS-1 and SW-SS-2) within the channel floor of the southeastern stormwater diversion trench, and four samples were collected within the northwestern stormwater diversion ditch (GM-SS-1, CP-SS-4, CP-SS-5, and AJ19).

- *Volatile Organic Compounds (VOCs) in Groundwater/Area Adjacent to TIMET and Beta Ditch*: This area of Parcel 4A is adjacent to the industrial operations to the west and contains VOCs in groundwater. Soil here may also have been impacted from spills or seepage from the unlined Beta Ditch. Groundwater from the upgradient TIMET facility at the BMI Complex contains concentrations of VOCs above action levels. Six focused samples (CP-SS-1 through CP-SS-6), four randomly located samples (AH17, AH18, AI18, AJ19 and AJ20), and one confirmation sample (C-SS-1) were collected from the VOCs in Groundwater/Area Adjacent to TIMET and Beta Ditch area of investigation.

  In addition, a soil vapor survey was conducted within the northwest portion of Parcel 4A. The survey assessed the extent of soil that is potentially impacted by VOCs using an active soil vapor survey at eight separate sampling locations (see CP-SS-1, CP-SS-2, CP-SS-3, CP-SS-4, CP-SS-6, C-SS-1, AH18, and AI18 on Figure 1). Soil vapor samples were collected from a depth of ten feet below ground surface (bgs) using temporary vapor wells.

- *Groundwater Mounding Area*: In the areas adjacent to the unlined Upper Ponds, ditches, and Southern RIBs, mounding of infiltrated groundwater (during historical operation of the Ponds) may have impacted shallow soils with contaminants in groundwater.

These areas are shown on Figure ~~3~~2. Soil samples were collected from each of these areas.

Potential Human Exposure Scenarios

The CSM considers current and potential future land-use conditions. Currently, the property is undeveloped. Current receptors that may use the property include on-site trespassers. Therefore, current exposures to native soils at the property are likely to be minimal. In addition, exposures to future receptors will be much greater than current exposures. For example, future receptors include residents who are assumed to be exposed to soil at the property for 350 days per year for 30 years which is much greater than any current exposures.

USEPA (1989) guidance states that potential future land use should be considered in addition to current land use when evaluating the potential for human exposure at a site. Therefore, the CSM also considers other future land-uses. For example, the CSM includes the planned use of the property for redevelopment according to a mixed-use master plan. A full CSM has been provided in the NDEP-approved *Workplan for Parcels 4A and 4B Investigation* (BRC 2007) as well as the *BRC Closure Plan* (BRC, ERM, and DBSA 2007).~~ The potentially exposed populations and their potential routes of exposure are presented in Figure 2.~~

Given the planned development of the property, potential human receptors include on-site construction workers, on-site indoor commercial workers, on-site outdoor maintenance workers, on-site recreational users, and child and adult residents. However, as discussed below, not all of these receptors are evaluated in the screening-level health risk assessment. Potential migration pathways, exposure pathways, and routes of exposure are shown on Figure 3~~2~~.

Although several potential human receptors may occur on the property in the future, the screening-level health risk assessment focuses on the residential receptor. This receptor is considered to have the highest level of exposure at the property, as supported by the comparison~~risk-based screening~~ levels that have been developed in the *BRC Quality Assurance Project Plan* (~~project~~ QAPP; ~~(~~BRC, ERM and MWH 2008~~2007a~~). Other receptors generally have lower exposures, and thus lower risk estimates. Therefore, risk estimates generated for residential receptors will be protective of other potential receptors at the property. The only exception to this is construction worker exposures to asbestos. This is because asbestos risks are only evaluated for the dust inhalation exposure pathway, with construction activities generating more dust than under normal circumstances. Therefore, the screening-level health risk assessment also evaluates the construction worker receptor for asbestos exposures.

Data Usability Evaluation

The primary objective of the data review and usability evaluation was to identify appropriate data for use in the screening-level health risk assessment. The analytical data were reviewed for applicability and usability following procedures in the *Guidance for Data Usability in Risk Assessment (Part A)* (USEPA 1992a) and USEPA (1989). A quality assurance/quality control (QA/QC) review of the analytical results was conducted during the sampling events. According to the USEPA Data Usability Guidance, there are six principal evaluation criteria by which data are judged for usability in risk assessment. The six criteria are:

- availability of information associated with site data;
- documentation;
- data sources;
- analytical methods and detection limits;
- data review; and
- data quality indicators, including precision, accuracy, representativeness, comparability, and completeness.

A summary of these six criteria for determining data usability is provided below.

Criterion I – Availability of Information Associated with Site Data

The usability analysis of the site characterization data requires the availability of sufficient data for review. The required information is available from documentation associated with the site data and data collection efforts. Data have been validated per the NDEP-approved *Data Validation Summary Report, 2007 Parcel 4A/4B Investigation (Dataset 43)* (DVSR; BRC and ERM 2007a) and *Data Validation Summary Report, 2006-2007 Various Supplemental Investigations (Dataset 45)* (BRC and ERM 2007b). Supplemental data have also been validated, but submittal of the DVSR for these data is pending additional sample collected at Parcel 4B.

The following lists the information sources and the availability of such information for the data usability process:

- A property description provided in the NDEP-approved workplan (BRC 2007) identifies the location and features of the property, the characteristics of the vicinity, and contaminant transport mechanisms.
- A site map with sample locations is provided in Figure 1.
- Sampling design and procedures were provided in the NDEP-approved workplan (BRC 2007).
- Analytical methods and detection limits are provided in Attachment B.
- A complete dataset is provided in Attachment B.
- A narrative of qualified data is provided with each analytical data package, the laboratory provided a narrative of QA/QC procedures and results. These narratives are included as part of the DVSRs (BRC and ERM 2007a,b).
- QC results are provided by the laboratory, including blanks, replicates, and spikes. The laboratory QC results are included as part of the DVSRs (BRC and ERM 2007a,b).
- Data flags used by the laboratory were defined adequately
- Electronic files containing the raw data made available by the laboratory are included as part of the DVSRs (BRC and ERM 2007a,b).

Criterion II – Documentation Review

The objective of the documentation review is to confirm that the analytical results provided are associated with a specific sample location and collection procedure, using available documentation. For the purposes of this data usability analysis, the chain-of-custody forms prepared in the field were reviewed and compared to the analytical data results provided by the laboratory to ensure completeness of the dataset. Based on the documentation review, all samples analyzed by the laboratory were correlated to the correct geographic location at the property. Field procedures included documentation of sample times, dates and locations, other sample specific information such as sample depth ~~bgs~~ were also recorded. Information from field forms generated during sample collection activities was imported into the project database.

The analytical data were reported in a format that provides adequate information for evaluation, including appropriate quality control measures and acceptance criteria. Each laboratory report describes the analytical method used, provides results on a sample by sample basis along with sample specific detection limits, and provides the results of appropriate quality control samples such as laboratory control spike samples, sample surrogates and internal standards (organic analyses only), and matrix spike samples. All laboratory reports, except for asbestos, provided the documentation required by USEPA's Contract Laboratory Program (USEPA 2003a, 2004a,b~~2004b,c~~) which includes chain of custody records, calibration data, QC results for blanks, duplicates, and spike samples from the field and laboratory, and all supporting raw data generated during sample analysis. Reported sample analysis results were imported into the project database.

~~The recommended method for providing asbestos data which are useful for risk assessment purposes was performed by EMSL Analytical Inc in Westmont, New Jersey. This laboratory is not currently certified in the State of Nevada, but has California and national accreditation for asbestos analysis.~~

~~To interpret measurements of asbestos in soils, it is necessary to establish the relationship between the asbestos concentrations observed in soils and concentrations that will occur in air when such soil is disturbed by natural or anthropogenic forces. This is because asbestos is a hazard when inhaled (see, for example, Berman and Crump 2001; USEPA 2003b). In fact, the Modified Elutriator Method (Berman and Kolk 2000), which was the method employed to perform the analyses presented in this report, was designed specifically to facilitate prediction of airborne asbestos exposures based on bulk measurements (see, for example, Berman and Chatfield 1990).~~

~~The Modified Elutriator Method incorporates collection of samples that are re-suspended and then forced through an airway and filter. Asbestos structures are isolated and concentrated of as part of the respirable dust fraction of a sample and analytical measurements are reported as the number of asbestos structures per mass of respirable dust in the sample. These are precisely the dimensions required to combine such measurements with published dust emission and dispersion models to convert them to asbestos emission and dispersion estimates. Thus, because published dust emission and dispersion models can be used to address many of the exposure pathways of interest in this study, these can be combined with measurements from the Modified Elutriator Method to predict airborne exposures and assess the attendant risks.~~

Criterion III –Data Sources

The review of data sources is performed to determine whether the analytical techniques used in the site characterization process are appropriate for risk assessment purposes. The data collection activities were developed to characterize a broad spectrum of chemicals potentially present on the property, including asbestos, VOCs, semi-volatile organic compounds (SVOCs), metals, dioxins/furans, asbestos, polynuclear aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), and petroleum hydrocarbons.

The State of Nevada is in the process of certifying the laboratories used to generate the analytical data. As such, standards of practice in these laboratories follow the quality program developed by the Nevada Revised Statutes (NRS) and are within the guidelines of the analytical methodologies established by the USEPA. Based on the review of the available information, the data sources for chemical and physical parameter measurements are adequate for use in a risk assessment.

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Criterion IV – Analytical Methods and Detection Limits

In addition to the appropriateness of the analytical techniques evaluated as part of Criterion III, it is necessary to evaluate whether the detection limits are low enough to allow adequate characterization of risks. At a minimum, this data usability criterion can be met through the determination that routine USEPA ~~and U.S. Department of Energy (DOE)~~ reference analytical methods were used in analyzing samples collected from the property. Attachment B identifies the USEPA ~~and DOE~~ methods that were used in conducting the laboratory analysis of soil samples. Each of the identified USEPA methods is~~are~~ considered the most appropriate method for the respective constituent class and each was approved by NDEP as part of the workplan (BRC 2007).

Laboratory reporting limits were based on those outlined in the reference method, the workplan, and the project QAPP~~*BRC Closure Plan*~~ (BRC, ERM~~,~~ and MWH 2008~~DBSA 2007~~). In accordance with respective laboratory standard operating procedures (SOPs), the analytical processes included performing instrument calibration, laboratory method blanks, and other verification standards used to ensure quality control during the analyses of collected samples.

The range of detection limits achieved in field samples was compared to USEPA Region ~~Region~~ 9 residential soil Preliminary Remediation Goals (PRGs) (USEPA 2004c~~2004a~~). Although several chemicals had a number of reporting limits that exceeded their respective PRGs, none had non-detectable results with method detection limits above residential PRGs. alpha-BHC and several SVOCs had method detection limits above ~~the~~ USEPA (2004c) soil screening levels (SSLs); however, given the discussion provided below in the Data Summary section~~previously~~, migration of chemicals at the property to groundwater is considered unlikely. Therefore, the detection limits are considered adequate for risk assessment purposes.

Criterion V – Data Review

The data review portion of the data usability process focuses primarily of the quality of the analytical data received from the laboratory. Soil and soil vapor sample data were subject to data validation. DVSRs were prepared as separate deliverables (BRC and ERM 2007a,b). The analytical data were validated according to the internal procedures using the principles of USEPA National Functional Guidelines (USEPA 1999, 2001, 2002a, 2004a,b~~2002b, 2004b,c~~) and were designed to ensure completeness and adequacy of the dataset. Any analytical errors and/or limitations in the data have been addressed and an explanation for data qualification provided in the respective data tables. The results of ERM's data review for these issues are presented in the DVSRs and are summarized below.

Although certain laboratory limits, such as percent recovery (PR) and relative percent difference (RPD) between sample and duplicate, were exceeded for certain compounds or analyses, as identified by the laboratory (and confirmed during ERM's review of the data), there does not appear to be a wide-spread effect on the quality of the analytical results. Furthermore, based on a review of the laboratory narratives (provided in the laboratory reports in each DVSR), the laboratory does not believe that the observed exceedances of laboratory criteria represent a concern.

For some analytical results, quality criteria were not met and various data qualifiers were added to indicate limitations and/or bias in the data. The definitions for the data qualifiers, or data validation flags, used during validation are those defined in SOP-40 (BRC, ERM and MWH 2007~~b~~) and the project QAPP (BRC, ERM and MWH 2008~~2007a~~). Sample results were rejected based on findings of serious deficiencies in the ability to properly collect or analyze the sample and meet QC criteria. Only rejected data were considered unusable for decision-making purposes and rejected analytical results are not used in the screening-level health risk assessment. No samples were rejected in the Parcel 4A dataset.

Sample results qualified as estimated indicate an elevated uncertainty in the value. A bias flag may have been applied~~were affected by special circumstances and are likely~~ to indicate a direction of the bias. Estimated~~be quantitatively biased to some degree; estimated~~ analytical results are used in the screening-level health risk assessment. Data qualified as anomalous, as defined in the DVSR refers to data~~represents an analyte or compound~~ that were qualified ("U") due to blank contamination,~~was not detected above the sample quantitative limit~~ and such data are used in the screening-level health risk assessment. These data usability decisions follow the guidelines provided in the *Guidance for Data Usability in Risk Assessment (Part A)* (USEPA 1992a).

Criterion VI – Data Quality Indicators

Data quality indicators (DQIs) are used to verify that sampling and analytical systems used in support of project activities are in control and the quality of the data generated for this project is appropriate for making decisions affecting future activities. The DQIs address the field and analytical data quality aspects as they affect uncertainties in the data collected for site characterization and risk assessment. The DQIs include precision, accuracy, representativeness, comparability, and completeness (PARCC). The project QAPP provides the definitions and specific criteria for assessing DQIs using field and laboratory QC samples and is the basis for determining the overall quality of the dataset. Data validation activities included the evaluation of PARCC parameters, and all data not meeting the established PARCC criteria were qualified during the validation process using the guidelines presented in the *National Functional Guidelines for Laboratory Data Review, Organics and Inorganics and Dioxin/Furans* (USEPA 1999, 2001, 2002a~~2002b~~, 2004d).

Precision is a measure of the degree of agreement between replicate measurements of the same source or sample. Precision is expressed by RPD between replicate measurements. Replicate measurements can be made on the same sample or on two samples from the same source. Precision is generally assessed using a subset of the measurements made. The precision of the data was evaluated using several laboratory QA/QC procedures. Based on ERM's review of the results of these procedures, there do not appear to be any wide-spread data usability issues associated with precision.

Accuracy measures the level of bias that an analytical method or measurement exhibits. To measure accuracy, a standard or reference material containing a known concentration is analyzed or measured and the result is compared to the known value. Several QC parameters are used to evaluate the accuracy of reported analytical results:

- Holding times and sample temperatures;
- LCS percent recovery;
- matrix spike/matrix spike duplicate (MS/MSD) percent recovery (organics);
- Spike sample recovery (inorganics)
- Surrogate spike recovery; and
- Blank sample results.

Detailed discussions of and tables with specific exceedances, with respect to precision and accuracy, are ~~is~~ provided in the DVSRs (BRC and ERM 2007a,b).

Representativeness is the degree to which data accurately and precisely represent a characteristic of the population at a sampling point or an environmental condition (USEPA 2002a~~2002b~~). There is no standard method or formula for evaluating representativeness, which is a qualitative term. Representativeness is achieved through selection of sampling locations that are appropriate relative to the objective of the specific sampling task, and by collection of an adequate number of samples from the relevant types of locations. The sampling locations were based on both systematic sampling with random point placement within each grid cell, as well as focused samples collected from specific areas~~selected randomly in order~~ to further investigate potential~~adequately assess the exposure~~ areas. The samples were analyzed for a broad spectrum of chemical classes~~analyses~~ across the property. Samples were delivered to the laboratory in coolers with ice to minimize the loss of analytes. At times the samples were received outside the recommended temperature range or were analyzed beyond the holding time. Sample specific results are discussed in the DVSRs.

Completeness is commonly expressed as a percentage of measurements that are valid and usable relative to the total number of measurements made. Analytical completeness is a measure of the number of overall accepted analytical results, including estimated values, compared to the total number of analytical results requested on samples submitted for analysis after review of the analytical data. Some of the data were eliminated due to data usability concerns. The percent completeness for the property is 100~~99~~ percent.

Comparability is a qualitative characteristic expressing the confidence with which one dataset can be compared with another. The desire for comparability is the basis for specifying the analytical methods; these methods are generally consistent with those used in previous investigations of the property. The comparability goal is achieved through using standard techniques to collect and analyze representative samples and reporting analytical results in appropriate units. The ranges of sample results from historical investigations are provided in Table 1 and show that the current investigation results are comparable to previous results at the property.

Data Summary

Initially, 132~~One hundred and thirty two (132)~~ samples were collected from 44 sample locations. Sample locations for this current investigation are shown on Figure 1. Results of the investigation are presented in Attachment B, and electronically on CD. As noted above, all~~All~~ data have been validated.

~~per the NDEP-approved *Data Validation Summary Report* (DVSR) for dataset 43 (BRC and ERM 2007a).~~ Following the first round of sampling, because of elevated levels of iron and vanadium at the surface from ~~surface soil from one area of the property, around~~ sample location FG-SS-1, surface soil was scraped and removed from around this location. The surface soil removal area is shown on~~(see~~ Figure 1~~)~~. Post-scrape samples were collected and analyzed for metals from five locations within this area. Post-scrape data have been validated. The ~~, but the DVSR (BRC and ERM 2007b) has not yet been approved by NDEP. In summary, the~~ original surface sample data from location FG-SS-1 (0 ft) were replaced with data from~~for~~ the 10 ~~five~~ confirmatory samples.

Using the compound-specific information presented in Table 2 of the ~~Quality Assurance Project Plan (~~QAPP (~~;~~ BRC, ERM and MWH 2008), the comparison ~~2007a), the screening~~ levels for each chemical included in the investigation were compiled and compared. Specific soil comparison~~screening~~ levels used for this effort were as follows:

- ~~RBSLs, for the purposes of this evaluation U.S. Environmental Protection Agency (~~USEPA~~)~~ Region 9 residential soil ~~Preliminary Remediation Goals (~~PRGs~~)~~ (USEPA 2004c)~~2004a) were used~~; and

- ~~Soil screening levels (~~SSLs~~)~~ protective of groundwater assuming ~~a~~ dilution attenuation factors (DAFs~~factor (DAF~~) of 1 and 20 (USEPA 2004c~~2004a~~).

A DAF of one is used when little or no dilution or attenuation of soil leachate concentrations is expected. Although the property is greater than 30 acres, because of the depth to groundwater (greater than 50~~approximately 40~~ feet ~~below ground surface [~~bgs~~]~~) and the absence of fractured media or karst topography, consistent with USEPA (2002b~~2002a~~) recommendations, SSLs using a DAF of 20 were considered appropriate for comparison~~screening~~ purposes for the property. A summary of the data for the property, including identification of number of instances that chemical concentrations exceed the concentration to comparison ~~screening~~ level ratios are listed in Table 1. ~~, and summarized below.~~

There are only a limited number of chemicals and instances where concentrations exceed comparison~~screening~~ levels, as summarized below.

For dioxins/furans, the USEPA toxicity equivalency procedure, developed to describe the cumulative toxicity of these compounds, is applied. This procedure involves assigning individual toxicity equivalency factors (TEFs) to the 2,3,7,8 substituted dioxin/furan congeners. TEFs are estimates of the toxicity of dioxin-like compounds relative to the toxicity of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD), which is assigned a TEF of 1.0. Calculating the toxic equivalent (TEQ) of a mixture involves multiplying the concentration of individual congeners by their respective TEF. One-half the detection limit is used for calculating the TEQ for individual congeners that are non-detect in a particular sample. The sum of the TEQ concentrations for the individual congeners is the TEQ concentration for the mixture (referred to as the TCDD TEQ).

~~.~~—There is one instance, at surface sample location AF21, where the TCDD TEQ ~~(dioxins/furans toxic equivalency quotient (TEQ;~~ 56 parts per trillion [ppt]) exceeded the Agency for Toxic Substances and Disease Registry (ATSDR) screening value of 50 ppt (ATSDR 1997). The ATSDR screening value is used to identify where potential health effects may be of concern at a site.

-There are two instances, at surface sample locations PS-FG-SS-1-C and PS-FG-SS-1-SE, where vanadium exceeded the USEPA Region 9 residential PRG. There are three instances, at sample locations CP-SS-2 (4 feet bgs), PS-FG-SS-1-C (surface) and PS-FG-SS-1-SE (surface), where iron exceeded the USEPA Region 9 residential PRG. There are six instances where beta-BHC exceeded the USEPA SSL (DAF 20). It should be noted that these are specific instances and do not account for property-wide concentration considerations. In addition, although there are numerous instances (130~~109~~) where arsenic exceeds the USEPA Region 9 residential PRG, as evaluated further below, there are no instances where arsenic exceeds the maximum shallow soil background dataset presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC and TIMET 2007).

Although ~~volatile organic compounds (~~VOCs~~)~~ have been detected in soil, there are no instances of a VOC exceeding the USEPA Region 9 residential PRG. However, USEPA Region 9 PRGs do not account for potential migration of VOCs from the subsurface into indoor air. In general USEPA does not recommend evaluating the indoor air exposure pathway using soil matrix data (USEPA 2002b~~2002a~~). Because groundwater beneath a portion of the property is considered a potential VOC source area, soil vapor data were collected. These data are further evaluated in the screening-level health risk assessment~~However, the indoor air exposure pathway is not considered a pathway of concern because 1) VOCs were detected only sporadically, and no hot spots were identified (see Determination of Exposure Point Concentrations section below); 2) there are only two instances of VOCs exceeding USEPA soil vapor screening levels (chloroform and tetrachloroethylene in different locations); and 3) depth to groundwater beneath the property (see below), and the data support this conclusion~~.

Given the depth to groundwater at the property (greater than~~approximately~~ 50 feet bgs, as measured at monitoring wells AA-27 [66.97 feet bgs] and MCF-12B [67.13 feet bgs]), migration of chemicals at the property to groundwater is unlikely. This is further supported by the low level of detected chemicals most associated with potential groundwater impacts (*e.g.*, VOCs, petroleum constituents). Although there are six instances where beta-BHC exceeded the USEPA SSL, all these instances were in the upper four feet, with a highest concentration of 0.025 mg/kg versus the SSL of 0.003 mg/kg. Therefore, potential impacts to groundwater, and subsequent groundwater exposures were not further evaluated. It should be noted that development of the property will not preclude future groundwater investigation or remediation activities that may need to be conducted by BRC.

Because of the elevated levels of iron and vanadium that~~There~~ were detected around sample location FG-SS-1, subsequent to the re-sampling, additional step-out samples were collected from surface and 1 ft bgs from five locations within this area and analyzed for iron and vanadium. At the same time, step-out samples were collected from 4 and 7 ft bgs from five locations around sample location CP-SS-2 and analyzed for iron and vanadium, and step-out samples were collected from surface and 1 ft bgs from five locations around sample location AF21 and analyzed for dioxins/furans.

No additional soil removals were conducted from around sample location FG-SS-1, nor sample location CP-SS-2. However, because the TCDD TEQ in the original surface soil sample at AF21 exceeded the ATSDR screening value of 50 ppt, as well as the surface step-out sample collected to the southwest of AF21 (AF21-SE), surface soil was scraped and removed from around these locations. The surface soil removal area is shown on Figure 1. Post-scrape samples were not collected as the TCDD TEQ concentrations from 1 ft bgs at these locations were below the ATSDR screening value.

Following surface soil removals, there were five~~13~~ chrysotile asbestos fibers detected from throughout the property, with two ~~five~~ of these long fibers. There were no amphibole asbestos fibers detected from throughout the property. There are no comparison~~screening~~ levels available for asbestos. Asbestos is further evaluated in the screening-level health risk assessment.

Screening-Level Health Risk Assessment

The comparison ~~to screening~~ levels in the Data Summary~~Review~~ section above do not take into account cumulative effects, nor do they consider all potential exposure pathways (for example, the homegrown~~howngrown~~ produce pathway). Therefore, the purpose of the screening-level health risk assessment is to determine if chemical concentrations in property soils are: (1) either representative of background conditions; or (2) do not pose an unacceptable risk to human health and the environment under current and anticipated future use conditions.

Human health risks are represented by estimated theoretical upper-bound cancer risks and non-cancer hazards derived in accordance with standard USEPA methods. The acceptable risk levels defined by USEPA for the protection of human health, and following those discussed previously with NDEP, are:

1. For non-carcinogenic compounds, the acceptable criterion is a cumulative hazard index (HI) of one or less. If the screening HI is determined to be greater than 1.0, target organ-specific HIs will be calculated for primary and secondary organs. The final risk goal will be to achieve target organ-specific non-carcinogenic HIs of less than 1.0; and

2. For known or suspected chemical and radionuclide carcinogens, the acceptable ceiling for a cumulative incremental lifetime cancer risk (ILCR) ranges from 10^{-6} to 10^{-4}. The risk goal established by the NDEP is 10^{-6}.

3. Where background levels exceed risk level goals, metals and radionuclides in Site soils are targeted to have risks no greater than those associated with background conditions.

4. For lead, the target goal is 400 milligrams per kilogram (mg/kg), which is a soil concentration identified by USEPA (based on the Integrated Exposure Uptake Biokinetic Model [IEUBK]) as protective of a residential scenario.

5. For asbestos, calculations are based upon cancer criterion and a risk goal of 10^{-6}.

This screening-level health risk assessment follows the basic procedures outlined in USEPA *Risk Assessment Guidance for Superfund: Volume I—Human Health Evaluation Manual* (RAGS; USEPA 1989). Other guidance documents were also consulted for the screening-level health risk assessment. This screening-level health risk assessment also conforms to the methodology included in the *BRC Closure Plan* (BRC, ERM, and DBSA 2007).

Evaluation of Concentrations Relative to Background Conditions

The comparison of property-related soil concentrations to background levels was conducted using the existing, shallow soils background dataset presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC and TIMET 2007). Background comparisons were performed using the Quantile test, Slippage test, the *t*-test, and the Wilcoxon Rank Sum test with Gehan modification. The computer statistical software program, Guided Interactive Statistical Decision Tools (GISdT®; Neptune and Company 2007), was used to perform all statistical comparisons.

For samples with primary and field duplicate results, ~~A summary of~~ the following rules were applied prior to the background comparison and determination of representative exposure concentrations. If all concentrations were detected for a given parameter, the values are averaged arithmetically. If all concentrations are non-detect for a given parameter, the minimum reporting limit is used. If the concentrations are a mixture of detect and non-detect, any two or more detected concentrations are averaged arithmetically and non-detected concentrations are excluded. If there was a single detected concentration and one or more non-detect concentrations, the detected concentration is used. The latter two rules were applied regardless of whether the reporting limit is higher or lower than the detected concentration.

The results of the background comparison ~~this~~ evaluation are ~~is~~ presented in Table 2, and summarized below.

Chemical	**Greater than Background?**	**Basis**
Aluminum	YES	Multiple tests
Antimony	NO	Multiple tests
Arsenic	NO	Multiple tests
Barium	NO	Multiple tests
Beryllium	NO	Quantile/Slippage; property max. detect below background max. detect
Boron	YES	t-Test/WRS; property max. detect above background max. detect
Cadmium	YES	Multiple tests
Calcium	NO	Multiple tests
Chromium (Total)	YES	Multiple tests
Chromium (VI)	NO	Non-Detect
Cobalt	NO	Quantile/Slippage; property max. detect below background max. detect
Copper	NO	Multiple tests
Iron	YES	Multiple tests
Lead	YES	t-Test/WRS; property max. detect above background max. detect
Lithium	NO	Multiple tests
Magnesium	NO	Quantile/Slippage; property max. detect below background max. detect
Manganese	YES	Multiple tests
Mercury	NO	Multiple tests
Molybdenum	NO	Multiple tests
Nickel	YES	t-Test/WRS; property max. detect above background max. detect
Niobium	YES	t-Test/WRS; property max. detect above background max. detect
Palladium	YES	Multiple tests
Platinum	NO	Quantile/Slippage; property max. detect below background max. detect
Potassium	NO	Multiple tests
Selenium	YES	t-Test/WRS; property max. detect above background max. detect
Silicon	NO	Multiple tests
Silver	YES	Multiple tests; property max. detect above background max. detect
Sodium	YES	Multiple tests
Strontium	YES	t-Test/WRS; property max. detect above background max. detect
Thallium	NO	Multiple tests
Tin	YES	Multiple tests
Titanium	YES	Multiple tests
Tungsten	NO	Multiple tests
Uranium	NO	Multiple tests

Chemical	Greater than Background?	Basis
Vanadium	YES	Multiple tests
Zinc	NO	Quantile/Slippage; property max. detect below background max. detect
Zirconium	NO	Multiple tests

Cumulative probability plots and side-by-side box-and-whisker plots were also prepared and are included in Attachment C. These plots give a visual indication of the similarities between the property and background datasets.

The results of this comparison indicate that levels of aluminium, boron, cadmium, total chromium, iron, lead, manganese, nickel, niobium, palladium, selenium, silver, sodium, strontium, tin, titanium, ~~tungsten,~~ and vanadium exceed background levels. Although the comparison statistics indicate that these metals levels at the property are above background, the cumulative probability plots and box-and-whisker plots indicate that for several of these metals the differences are statistically significant, but practically small.~~, the property and background datasets are most likely representative of a single population.~~ However, as discussed below, these metals are considered in the screening-level health risk assessment.

Selection of Chemicals of Potential Concern

The broad suite of analytes sampled for was the initial list of chemicals of potential concern (COPCs) at the property. However, in order to ensure that a risk assessment focuses on those substances that contribute the greatest to the overall risk (USEPA 1989); two procedures were used to eliminate the chemicals for quantitative evaluation in the screening-level health risk assessment:

- identification of chemicals with detected levels which are at or less than background concentrations (where applicable), and

- identification of chemicals that are infrequently detected at the property.

The procedure for evaluating chemicals relative to background conditions was presented above. From this list of COPCs, further selection was performed by:

- Including chemicals positively identified in at least one sample, including: (1) chemicals with no qualifiers attached (excluding non-detect results with unusually high detection limits, if warranted), and (2) chemicals with qualifiers attached that indicate known identities but estimated concentrations (*e.g.*, J-qualified data); and

- Including chemicals detected at levels significantly elevated above levels of the same chemicals detected in associated blank samples (this protocol includes an analyte if it is known to be site-related and its concentration is greater than five times the maximum amount detected in any blank; if the chemical is a common laboratory contaminant [as defined by USEPA 1989], it is included only if its concentration is greater than 10 times the maximum amount detected in any blank).

Another criterion that may warrant chemical reduction is the frequency of detection. In general, chemicals exhibiting a low frequency of detection will not contribute significantly to the risk estimates. USEPA (1989) suggests that chemicals with a frequency of detection less than or equal to five percent, with the exception of metals, known human carcinogens, and persistent, bioaccumulative, and toxic (PBT) chemicals as defined by the USEPA PBT program (USEPA 2008a~~2007b~~), may be considered for elimination. Prior to eliminating a chemical based on the frequency of detection criteria, (1) any elevated detection limits are addressed, and (2) data distributions within the property are considered. Results of the selection of COPCs, including the rationale for excluding chemicals as COPCs are presented in Table 3.

In addition, all detected VOCs in soil vapor data were considered COPCs for the indoor air exposure pathway.

Determination of Exposure Point Concentrations

A representative exposure concentration is a COPC-specific and media-specific concentration value. In risk assessment, these exposure concentrations are values incorporated into the exposure assessment equations from which potential baseline human exposures are calculated. As described below, the methods, rationale, and assumptions employed in deriving these concentration values follow USEPA guidance and reflect site-specific conditions.

Soil

Due to the uncertainty associated with determining the true average concentration at a site, where direct measurements of the site average are unavailable, the USEPA recommends using the lower of the maximum detected concentration or the 95 percent upper confidence limit (UCL) as the concentration of a chemical to which an individual could be exposed over time (USEPA 1992b). For the 95 percent UCL concentration approach, the 95 percent UCL was computed in order to represent the area-wide exposure point concentrations. The 95 percent UCL is defined as the value that, when calculated repeatedly for randomly drawn subsets of site data, equals or exceeds the true mean 95 percent of the time (USEPA 1992b). The purpose for using the 95 percent UCL is to take into account the different concentrations a person may be exposed to on any given day. That is, an individual will be exposed to a range of concentrations that exist at an exposure area, from non-detect to the maximum concentration, over an entire exposure period.

The 95 percent UCL statistical calculations were performed using the computer statistical software program GISdT® (Neptune and Company 2007). See the Evaluation of Concentrations Relative to Background Conditions section for how sample locations with field duplicates were treated prior to the 95 percent UCL statistical calculations.~~For samples with field duplicates, the higher of the primary or duplicate sample was used. Data identified in the data usability evaluation as unusable due to elevated reporting limits were not used in the calculation of representative exposure concentrations.~~ The formulas for calculating the 95 percent UCL COPC concentration (as the representative exposure concentration) are presented in USEPA (1992b, 2002c~~2002d~~).

The representativeness of the 95 percent UCLs for each exposure area, that is, a property~~site~~-wide mean concentration is valid for default residential exposure areas within the property, is further supported by the bubble plot figures included in Attachment D. ~~data distributions shown on~~ Figures for each of the COPCs are included in Attachment D. With the exception of iron and vanadium in the areas around sample locations FG-SS-1 and CP-SS-2, the bubble plot figures ~~4 and 5. Eight COPCs are shown on these figures: four metals and four organics. The metals selected are the primary risk drivers (arsenic, iron, manganese, and vanadium) in the screening-level health risk assessment (see Screening-Level Health Risk Assessment Results section below), while the organics were selected based on: chloroform (several detections all below the residential PRG, with one soil vapor screening level exceedance [in Parcel 4A]), 4,4'-DDE (representative of OCPs, the most frequently detected OCP), benzo(a)pyrene (several detections, one detection exceeding the residential PRG), and TCE (the second most detected VOC [after toluene], with two detections exceeding the residential PRG).~~

~~Figures 4 and 5~~ demonstrate that the data across the property are uncorrelated, that is, there is no discernable spatial correlation.~~ Semivariograms for each of the chemicals also shown on these figures generally support this conclusion. (Note: although the semivariograms shown on these figures are based on all data, depth-specific semivariograms demonstrate the same results.)~~ Therefore, except for iron and vanadium, and consistent with the project *Statistical Methodology Report* (BRC and NewFields 2006), each measurement is assumed to be equally representative for that chemical at any point in the property and calculation of the 95 percent

UCL is appropriate. Because of the elevated levels of iron and vanadium detected from sample locations FG-SS-1 and CP-SS-2, and the number of samples collected for these two COPCs at these areas, 95 percent UCL were calculated for iron and vanadium separately for these two locations.~~The only potential hot spot within the property is in the area of samples PS-FG-SS-1-C and PS-FG-SS-1-SE, where concentrations of both iron and vanadium exceeded background and USEPA Region 9 residential PRG levels. However, these exceedances were less then 20 percent greater than USEPA residential PRGs. Therefore, these elevated levels are not considered to be a hot spot.Thus, there are no discernable hot spots within the property.~~

Representative exposure concentrations for soil were based on the potential exposure depth for each of the receptors. For residential receptors, which are likely to be exposed to on-site surface and sub-surface soils, data from the surface to 10 feet bgs were used. In order to consider the potential that surface exposures might be higher than subsurface exposures, 95 percent UCLs were calculated for both surface soil data only and data from surface to 10 feet bgs. The higher of the two values was used in the risk estimates. The 95 percent UCL for each COPC is presented in Table 4.~~5.~~ For indirect exposures, this concentration was used in fate and transport modeling.

The exposure point concentrations for asbestos were based on the pooled analytical sensitivity of the dataset. The pooled analytical sensitivity was calculated as follows:

$$\textit{Pooled Analytical Sensitivity} = 1/\left[\sum_i (1/\textit{analytical sensitivity for trial } i)\right]$$

Two estimates of the asbestos concentration were evaluated, best estimate and upper bound as defined in the draft methodology (USEPA 2003b). The best estimate concentration is similar to a central tendency estimate, while the upper bound concentration is comparable to a reasonable maximum exposure estimate. The pooled analytical sensitivity is multiplied by the number of chrysotile or amphibole structures to estimate concentration:

$$\text{Estimated Bulk Concentration } (10^6 \text{ s/gPM10}) = \text{Long fiber count} \times \text{Pooled analytical sensitivity}$$

For the best estimate, the number of fibers measured is incorporated into the calculation above. The upper bound of the asbestos concentration was also evaluated. It is calculated as the 95 percent UCL of the Poisson distribution where the mean equals the number of structures detected. In EXCEL, the following equation may be employed to calculate this value:

$$\text{95\% UCL of Poisson Distribution } (10^6 \text{ s/gPM10}) = \text{CHIINV}(1 - \alpha, 2 \times (\text{Long fiber count} + 1)/2)$$

This value is then multiplied by the pooled analytical sensitivity to estimate the upper bound concentration. The intent of the risk assessment methodology was to predict the risk associated with airborne asbestos.

In order to quantify the airborne asbestos concentration, the estimated dust levels or particulate emission factors were used:

$$\text{Estimated Airborne Concentration (s/cm}^3) = \text{Estimated bulk concentration } (10^6 \text{ s/gPM10}) \times \text{Estimated dust level (ug/cm}^3)$$

Indoor Air

The flux of COPCs from the subsurface and dispersion into indoor air were estimated using the USEPA spreadsheet-based Johnson and Ettinger model (USEPA 2004e). The model is based on the vapor intrusion model published by Johnson and Ettinger (1991). The Johnson and Ettinger vapor intrusion model is a screening-level model, which incorporates both convective and diffusive mechanisms for estimating the transport of chemical vapors emanating from either subsurface soils or groundwater into indoor spaces located directly above the source of contamination. The model is constructed to calculate steady-state vapor transport (infinite source). Maximum detected VOCs concentrations in soil vapor were used as representative exposure concentrations for the indoor air exposure pathway. The default physical properties and building characteristics contained in the USEPA Johnson and Ettinger model were used in this evaluation.

Homegrown Produce

Consistent with the *BRC Closure Plan* (BRC, ERM, and DBSA 2007) and USEPA guidance, the consumption of homegrown produce is an applicable exposure pathway for residential receptors. Representative exposure concentrations in plants were obtained using the soil 95 percent UCL for each COPC, multiplied by plant uptake factors. Plant uptake factors were obtained from Baes *et al*. (1984) and USEPA (2005).

Risk Assessment Methodology

The method used in the screening-level health risk assessment consists of several steps. The first step is the calculation of exposure point concentrations representative of the particular area (see above). The second step is fate and transport modeling to predict concentrations that may be present when direct measurements are not available. The third step is the exposure assessment for the various receptors present in the particular areas. The next step is to define the toxicity values for each COPC. The final step is risk characterization where theoretical upper-bound ILCRs and non-cancer HIs are calculated. The *BRC Closure Plan* (BRC, ERM, and DBSA 2007) provides a full discussion on the risk assessment methodology for the project, and used in this screening-level health risk assessment.

As noted above, three separate 95 percent UCLs were calculated for iron and vanadium (that is, 95 percent UCLs were calculated for data around sample location FG-SS-1, for data around sample location CP-SS-2, and for the remaining Parcel 4A data). Therefore, three separate risk calculations were performed: property-wide, area around sample location FG-SS-1, and area around sample location CP-SS-2. The 95 percent UCLs for all other COPCs were applied to each of the three risk calculations.

Table 5~~6~~ presents each of the exposure parameters used in the screening-level health risk assessment for each receptor and each pathway identified in Figure 3.~~2.~~ Toxicity values, when available, are published by the USEPA in the on-line Integrated Risk Information System (IRIS; USEPA 2008b~~2007b~~) and the Health Effects Assessment Summary Tables (HEAST; USEPA 1997a). Cancer slope factors (CSFs) are chemical-specific, experimentally-derived potency values used to calculate the risk of cancer resulting from exposure to carcinogenic chemicals. A higher value implies a more potent carcinogen. Reference doses (RfDs) are experimentally derived "no-effect" values used to quantify the extent of adverse non-cancer health effects from exposure to chemicals. Here, a lower RfD implies a more potent toxicant. These criteria are generally developed by USEPA risk assessment work groups and listed in USEPA risk assessment guidance documents and databases. The hierarchy for selecting toxicity criteria presented in the *BRC Closure Plan* (BRC, ERM, and DBSA 2007) was used.

Uncertainty Analysis

Risk estimates are values that have uncertainties associated with them. These uncertainties, which arise at every step of a risk assessment, are evaluated to provide an indication of the uncertainty associated with a risk estimate. Risk assessments are not intended to estimate the true risk~~actual risks~~ to a receptor associated with exposure to chemicals in the environment. In fact, estimating the true risk~~actual risks~~ is impossible because of the variability in the exposed or potentially exposed populations. Therefore, risk assessment is a means of estimating the probability that an adverse health effect (*e.g.*, cancer, impaired reproduction) will occur in a receptor in order to assist in decision making regarding the protection of human health. The multitude of conservative assumptions used in risk assessments guard against underestimation of risks.

Risk estimates are calculated by combining site data, assumptions about individual receptor's exposures to impacted media, and toxicity data. The uncertainties in this screening-level health risk assessment can be grouped into four main categories that correspond to these steps:

- Uncertainties in environmental sampling and analysis
- Uncertainties in fate and transport modeling
- Uncertainties in assumptions concerning exposure scenarios
- Uncertainties in toxicity data and dose-response extrapolations

General uncertainties associated with the screening-level health risk assessment for the property are summarized in Table ~~7~~6. In Table 6, "Low," "Moderate," and "High" are qualitative indicators as to whether the source of uncertainty will likely have a small, medium, or large effect on the risk calculations, respectively. Additional discussion on the uncertainties associated with the screening-level health risk assessment is provided below.

The screening-level health risk assessment for the property was based on the sampling results obtained from investigations conducted in 2007 and 2008. Errors in sampling results can arise from the field sampling, laboratory analyses, and data analyses. Errors in laboratory analysis procedures are possible, although the impacts of these sorts of errors on the risk estimates are likely to be low. The environmental sampling at the property is one source of uncertainty in the evaluation. However, the number of sampling locations and events is large and widespread, and sampling was performed using approved procedures; therefore, the sampling and analysis data is sufficient to characterize the impacts and the associated potential risks.

The amount of COPCs the body absorbs may be different from the amount of a COPC contacted. In this screening-level health risk assessment, absorption of ingested and inhaled COPCs is conservatively assumed to be 100 percent. Actual chemical and site specific values are likely less than this default value. For example, as discussed below, animal studies have indicated that the oral bioavailability of 2,3,7,8-TCDD in environmentally contaminated soil could range from 0.5 to 60 percent.

Toxicity criteria have not been established for many of the chemicals detected at the property. These chemicals were not quantitative evaluated in the screening-level health risk assessment. Because of the inconclusive nature of tentatively identified compounds (TICs) as potentially site-related chemicals, non-cancer surrogate toxicity criteria were not applied. Non-cancer surrogate toxicity criteria were not applied to the inorganic chemicals because of the complexity of ion and metal toxicity. A quantitative estimation of risk was not conducted for these COPCs. Thus, the risks presented in this assessment could be underestimated as a result.

The selection of exposure pathways is a process, often based on best professional judgement, which attempts to identify the most probable potentially harmful exposure scenarios. In a risk assessment it is possible that risks are not calculated for all of the exposure pathways that may occur, possibly causing some underestimation of risk. In this assessment, risks were estimated for one receptor; on-site residents (except asbestos, for which a construction worker was assessed). Risks for the most likely routes of exposure to on-site residents were estimated. Specifically, risks to on-site residents were estimated for soil ingestion, skin contact with soil, inhalation of indoor and outdoor air, and ingestion of homegrown produce. Although it is possible that other exposure routes could exist, these exposures are expected to be lower than the risks associated with the pathways considered.

No toxicity criteria are available for iron in IRIS or HEAST. The USEPA Region 9 PRG table lists an oral RfD for iron and references the USEPA National Center for Environmental Assessment (NCEA). The NCEA value represents the upper bound value in the range of mean dietary iron intakes, dietary plus supplemental, taken from the NHANES II database. As noted by USEPA, "Iron is an essential element, and deriving a risk assessment value for such chemicals poses a special problem in that the dose adversity curve is 'U-shaped.'"

Non-cancer HIs were segregated by target organ. Chemicals can have toxic effects on multiple organ systems. However, the oral RfD established for a chemical is usually based on a single critical effect. Where multiple critical effects and target organs have been identified in IRIS or other sources, the chemical was included in multiple target organ HIs. For example, dioxins/furans have been included in the central nervous system (CNS), liver, and 'other' target organ HIs. For some chemicals, toxic effects to other organ systems may be associated with exposure levels less than those for which the RfD was established. One example is vanadium. Although vanadium may have a critical effect on other target organs, it was only included in the kidney target organ HI. See below for further discussion on this issue.

Uncertainties from different sources are compounded in the screening-level health risk assessment. For example, if a person's daily intake rate for a chemical is compared to an RfD to determine potential health risks, the uncertainties in the concentration measurements, exposure assumptions, and toxicities will all be expressed in the result. ~~The~~Because the exposure assumptions and toxicity criteria are considered conservative, ~~and~~ the risk estimates calculated in this screening-level health risk assessment are likely to overestimate rather than underestimate potential risks.

Screening-Level Health Risk Assessment Results

This screening-level health risk assessment has evaluated potential risks to human health associated with chemicals detected in soil at the Parcel 4A property located within the BMI Common Areas in Clark County, Nevada. The calculation of chemical theoretical upper-bound ILCRs and non-cancer health effects are presented in Attachment E.~~D.~~ Asbestos risk calculations are also presented in Attachment E.~~D.~~ All calculation spreadsheets for this screening-level health risk assessment are included in Attachment E.~~D.~~

The risk estimates are based on reasonable maximum exposure scenarios, which results in estimates of the potential reasonable maximum, or high-end, risks associated with the property. The calculated theoretical upper-bound ILCRs and HIs are presented in Table 7 through 9, for property-wide, area around sample location FG-SS-1, and area around sample location CP-SS-2, respectively.~~8.~~ Asbestos estimated deaths from lung cancer or mesothelioma are presented in Table 10~~9~~.

The total cumulative non-cancer HI for future residential receptors at the property range from~~is~~ 2.8 to 3.2~~5~~, which are ~~is~~ above the target HI of 1.0. Because each of the total cumulative HIs exceeds 1.0, the potential for adverse health effects was further evaluated by considering the target organs upon which each chemical could have an adverse effect. Target organ-specific HIs are also shown in Tables 7 through 9.~~Table 8.~~ The target organ specific HIs have been summed for all relevant COPCs (Note: target organs for each COPC are identified in the calculation spreadsheets included in Attachment E). Generally, target organ information for each of the COPCs was obtained from IRIS and the Oak Ridge National Laboratory (ORNL) Risk Assessment Information System (RAIS~~D~~). None of the target organ non-cancer HIs are above 1.0 (see Tables 7 through 9~~Table 8~~).

It should be noted that although the ORNL RAIS lists blood, gastrointestinal system, and kidney as target organs for vanadium, the chronic oral RfD for vanadium used in the screening-level health risk assessment is a provisional value of 0.001 mg/kg-day (obtained from USEPA Region 9 PRG table). This provisional chronic oral RfD is based on animal data from which a critical effect of kidney toxicity (impaired kidney function) was identified. Therefore, kidney was selected as the target organ for the screening-level health risk assessment. Effects on other target organs/systems likely occur higher at levels (for example, the IRIS RfD for vanadium pentoxide, based on a critical effect of decrease in the amount of cystine in the hair, is nine times higher than that used in the screening-level health risk assessment).

The theoretical upper-bound ILCR for future residential receptors at the property is 3~~4~~ × 10^{-6} (this value is the same for all three risk calculations since only iron and vanadium, for which cancer toxicity criteria have not been established, had differing representative exposure concentrations). Although the ILCR is above the risk goal of 1 × 10^{-6}, the risks are primarily driven by dioxins/furans. The 95 percent UCL concentration for dioxins/furans used in the screening-level health risk assessment of 5.8~~9.2~~ ppt resulted in a total dioxins/furans ILCR of 2~~3~~ × 10^{-6}. This 95 percent UCL concentration is below the ATSDR screening value of 50 ppt. The ATSDR screening value is equivalent to an ILCR of 2 × 10^{-5}. In addition, the risk calculations assume 100 percent oral bioavailability of dioxins/furans. Animal studies have indicated that the oral bioavailability of 2,3,7,8-TCDD in environmentally contaminated soil could range from 0.5 to 60 percent. For example, in a study by Ruby *et al*. (2002) the bioaccessibility of dioxins/furans in soil ranged from 19 to 34 percent (averaged across the 17 2,3,7,8-substituted dioxin/furan congeners), with an average of 25 percent. If an oral bioavailability factor were used, the total ILCR for the property would be at or nearer the risk goal of 1 × 10^{-6}.

The ATSDR guidelines state that if one or more soil sampling values exceed the screening value of 50 ppt of dioxins/furans TEQs, further site-specific evaluations are needed, as represented by this screening-level health risk assessment. Further site-specific evaluation may include determination of a representative exposure concentration. As stated in ATSDR (2005): "The maximum detected substance concentration is selected to assess potential exposures from substances in site media, at least as a first screen. You, however, should recognize that use of the maximum detected concentration of a substance to estimate the exposure dose may result in an overestimate of likely exposure. You may determine that the arithmetic or geometric average concentration may be appropriate to assess exposure conditions, especially when concentrations vary temporally or spatially… …When substance concentrations change over time (as is often the case with chronic exposures) or over portions of an area, you may select an average concentration, or range of concentrations at a site, to better represent substance concentrations." Therefore, given the discussion above on the representativeness of the 95 percent UCLs, comparison of the dioxins/furans 95 percent UCL concentration of 5.8~~9.2~~ ppt to the ATSDR screening value of 50 ppt is considered appropriate for the property.

The estimated risks for death from lung cancer or mesothelioma for asbestos exposures to residential receptors were below 1 × 10^{-6}. For construction workers, the best estimate and upper bound concentrations of asbestos range from 1~~2~~ $\times 10^{-7}$ to 4×10^{-7} for chrysotile fibers, and from zero to 2~~1~~ $\times 10^{-5}$ for amphibole fibers. It should be noted that the reasonable maximum risk estimates~~zero risks~~ are based on an observed count of zero ~~associated with~~ long amphibole structures. No amphibole structures have been detected at the property. The upper bound estimated risk for death from lung cancer or mesothelioma is associated with the UCL of the Poisson distribution which assumes the mean amphibole concentration is equal to three long amphibole structures per cubic centimeter. However, the high-end risk estimate for deaths from lung cancer or mesothelioma of 1×10^{-5} is a~~an overly~~ conservative value for the following reasons:

- It is based on a 95 percent UCL of the Poisson distribution of three long amphibole structures although no long amphibole structures have been detected at the property; and
- The values from Tables 8-2 of USEPA (2003b)~~2003a) should only be used for structures longer than 10 µm and thinner than 0.4 µm; and~~ are recommended only for constant lifetime exposures, not short term exposures such as construction activities.

Thus, the results of the screening-level health risk assessment indicate that exposures to chemicals in soil at the property should not result in adverse health effects to all future on-site receptors.

Data Adequacy

Sample size calculations were conducted for eight~~four~~ analytes (chrysotile asbestos~~arsenic~~, 2,3,7,8-~~tetrachlorodibenzo-p-dioxin [2,3,7,8-~~TCDD~~]~~, iron, manganese, ~~and~~ vanadium, trichloroethylene, beta-BHC, and arsenic) for the property. The formula used here for calculation of sample size is based on a non-parametric test (the Wilcoxon signed rank test), and on simulation studies performed by Pacific Northwest National Laboratories that formed the basis for an approximate formula that is based on the normal distribution. Essentially, the formula is the one that would be used if a normal-based test were being performed, but an adjustment is made (multiply by 1.16) to account for the intent to perform a non-parametric test. ~~The sample size calculations used a formula that accommodates data that are not normally distributed (USEPA 2002c, 2007a).~~ The formula is as follows~~used was~~:

$$n = 1.16\left[\frac{s^2}{\Delta^2}(z_{1-\alpha} + z_{1-\beta(\mu)})^2 + 0.5 z^2_{1-\alpha}\right]$$

~~$n = 1.16 \times (0.25)\, z^2_{1-\alpha} + 2\,(z_{1-\alpha} + z_{1-\beta})^2\, \sigma^2 / (MDD)^2$~~

where,~~:~~

n = number of samples

s = estimated ~~α = alpha decision error (Type I);~~

~~β = beta decision error (Type II);~~

~~σ =~~ standard deviation of concentrations/fibers~~; and~~

Δ width of the gray region (the difference between the threshold value in stated in the hypothesis and the point at which β is specified)

α significance level or Type I error tolerance

β (μ) Type II error tolerance; and

z quantile from the standard normal distribution

~~MDD = minimum detectable difference.~~

~~This test is based on comparing an average concentration to an analyte-specific threshold (*i.e.*, RBSL or background).~~ For each chemical, inputs for the calculations include an estimate of the variance from the measured data, a desired significance level, and desired power of the test that must be specified at a concentration of interest (which determines the tolerable difference from the threshold value). The calculations provided here cover a range of Type I and Type II error tolerances, and the point at which the Type II error is specified. Results are presented in Table 11.~~3.~~ In Table 11~~Table 3~~, various combinations of input values are used, including: values of α of 5%, 10% and 15%; values of β of 15%, 20%, and 25%; and a gray region of width 10%, 20% and 30% of the threshold level. It is clear from Table 11~~3~~ that the number of samples collected is adequate for the property.

Summary

The existing NFA excluded the Parcel 4A property from any further environmental assessment or other response actions, and agreed that development may proceed on the property without environmental restriction based on known present (1997) conditions. The 2007 Parcel 4A investigation was designed to provide sufficient data to support the reaffirmation of the current NFA for the property and to assist in the development of a human health risk assessment, if necessary, for the residential exposure scenario at the property. The 1997 NFA letter also states that "The Division reserves, …all of its authorities with respect to the discovery of contaminated conditions, at, on, in or below the Property that are not described in the final ECR Report, and the receipt by the Division of information, previously unknown to the Division, in the event that either such conditions or information indicate an actual or potential threat to human health or the environment."

Based on the results of the 2007 investigation, this data review, and the screening-level health risk assessment, exposures~~there is no evidence~~ to residual levels chemicals in soil at the property should not result in adverse health effects to all future on-site receptors.~~conclude that the Parcel 4A property is contaminated.~~ In summary, BRC concludes that the existing NFAD for the Parcel 4A property should be reaffirmed.

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Attachments: Table 1 – Soil Results Summary
Table 2 – Background Comparison Summary
Table 3 – ~~Data Adequacy Evaluation~~
~~Table 4 –~~ Chemicals of Potential Concern (COPC) Selection
Table ~~4~~5 – Exposure Point Concentrations in Soil
Table ~~5~~6 – Screening-Level Health Risk Assessment Exposure Factors
Table ~~6~~7 – Uncertainty Analysis
Table 7 – Chemical Risk Summary for the Future Resident
Table 8 – Chemical Risk Summary for the Future Resident using Iron and Vanadium Data around Location FG-SS-1
Table 9 – Chemical Risk Summary for the Future Resident using Iron and Vanadium Data around Location CP-SS-2
Table 10 – Asbestos Risk Summary
Table 11 – Data Adequacy Evaluation
Figure 1 – Parcel 4B Sample Locations
Figure 2 – ~~Conceptual Site Model Diagram for Potential Human Exposures~~
~~Figure 3 –~~ Site Plan with Historic Sample Locations and Potential Source Areas
Figure 3 – Conceptual Site Model Diagram for Potential Human Exposures
~~Figure 4 – Parcel 4B Select Organic Chemical Results~~
~~Figure 5 – Parcel 4B Select Metal Results~~
Attachment A – Response to NDEP Comments and Redline/Strikeout Text
Attachment B – 2007 Parcel 4A/4B Investigation Data Tables (Database on CD)
Attachment C – Cumulative Probability Plots and Box-and-Whisker Plots
Attachment D – Chemicals of Potential Concern (COPC) Bubble Plots
Attachment E – Screening-Level Health Risk Assessment Calculation Spreadsheets (on CD)

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

October 29, 2007

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009) Date
BRC Project Manager

Attachment B

Parcel	Sample ID	Sample Type	Depth	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
		Residential PRG		76142	31	0.39	5375	154	16000	37	--	>100,000	30
		Maximum Background		15300	0.5	7.2	836	0.89	11.6	0.16	82800	16.7	0.251
4A	AF20	N	0	10400	0.16 J-	2.5 J	261	0.56	< 26.9 U	0.11 J	15700	13 J-	< 0.43 U
4A	AF20	N	4	10200	0.15 J-	3.5	179	0.62	< 26.9 U	0.1 J	30900	11.6 J-	< 0.43 U
4A	AF20	N	9	9180	0.16 J-	3.4	211	0.6	6.3 J	0.13	29000	15.7 J-	< 0.42 U
4A	AF21	N	0	9440	0.3 J-	2.5 J	270	0.53	< 26 U	0.19 J	13700	10.6 J-	< 0.42 U
4A	AF21	N	4	9950	0.16 J-	3.6	177	0.58	6.5 J	0.11 J	33500	11.9 J-	< 0.41 U
4A	AF21	N	9	11200	0.17 J-	3.7	221	0.66	< 26.2 U	0.1 J	18600	12.8 J-	< 0.42 U
4A	AF21	FD	0	11200	< 1.3 UJ	2.2 J	206	0.66	< 26.2 U	0.11 J	15300	12 J-	< 0.42 U
4A	AG19	N	0	11300	< 1.3 UJ	< 2.6 U	219 J-	0.64	< 25.8 U	< 0.13 U	20800 J+	15 J-	< 0.41 U
4A	AG19	N	4	11000	< 1.3 UJ	< 2.6 U	214 J-	0.74	< 26.1 U	< 0.13 U	38000 J+	13 J-	< 0.42 U
4A	AG19	N	9	11300	< 1.3 UJ	< 2.6 U	197 J-	0.65	< 26.2 U	< 0.13 U	25800 J+	13.1 J-	< 0.42 U
4A	AG20	N	0	11400 J	< 1.3 UJ	< 2.6 U	246	0.66	< 26 U	< 0.13 U	18700 J	15.7	< 0.42 U
4A	AG20	N	4	12400 J	< 1.3 UJ	< 2.6 U	303	0.71	< 25.8 U	< 0.13 U	18800 J	13.6	< 0.41 U
4A	AG20	N	9	11000 J	< 1.3 UJ	< 2.6 U	250	0.59	< 26 U	< 0.13 U	32600 J	12.6	< 0.42 U
4A	AG21	N	0	10100	0.16 J-	2.4 J	194	0.58	< 25.9 U	0.12 J	15300	15.5 J-	< 0.41 U
4A	AG21	N	4	10100	< 1.3 UJ	3.1	170	0.56	< 26.5 U	0.097 J	30800	11.6 J-	< 0.42 U
4A	AG21	N	9	11100	0.16 J-	2.9	200	0.66	< 26.4 U	0.11 J	35500	11.8 J-	< 0.42 U
4A	AG22	N	0	12100	0.2 J-	3.2	227 J-	0.66	< 25.9 U	0.16	25100	16.2 J-	< 0.41 UJ
4A	AG22	N	4	12000	0.16 J-	3.7	245 J-	0.63	< 26.1 U	0.11 J	33600	16.1 J-	< 0.42 UJ
4A	AG22	N	9	12800	0.16 J-	3.6	248 J-	0.65	< 26.2 U	0.12 J	30900	16 J-	< 0.42 UJ
4A	AH18	N	0	11700 J	< 1.3 UJ	2.5 J	217 J+	0.62	< 26 U	< 0.13 UJ	22000	14.6 J+	< 0.42 U
4A	AH18	N	4	10800 J	< 1.3 UJ	4.4	270 J+	0.57	< 26.7 U	< 0.13 U	40400	11.6 J+	< 0.43 U
4A	AH18	N	9	11100 J	0.16 J-	2.7	228 J+	0.63	< 26.1 U	< 0.13 U	22100	12.7 J+	< 0.42 U
4A	AH18	FD	0	10900 J	0.34 J	4.4 J	221 J+	0.61	< 25.7 U	< 0.13 UJ	19100	17 J+	< 0.41 U
4A	AH19	N	0	10900	0.26 J-	3.6	217 J+	0.58	< 26 U	< 0.13 U	19100	14.6	< 0.42 U
4A	AH19	N	4	12500	0.18 J-	4	192 J+	0.64	< 27 U	< 0.14 U	26000	14.2	< 0.43 U
4A	AH19	N	9	11700	0.15 J-	3	213 J+	0.61	< 26.6 U	< 0.13 U	29100	12.4	< 0.43 U
4A	AH20	N	0	10700 J	< 1.3 UJ	< 2.6 U	268	0.63	< 25.7 U	< 0.13 UJ	23900 J	16.5	< 0.41 U
4A	AH20	N	4	11100 J	< 1.3 UJ	< 2.6 U	190	0.68	< 26.1 U	< 0.13 U	25500 J	11.7	< 0.42 U
4A	AH20	N	9	10600 J	< 1.3 UJ	< 2.6 U	213	0.56	< 26.3 U	< 0.13 U	25100 J	11.6	< 0.42 U
4A	AH20	FD	0	11100 J	< 1.3 UJ	< 2.6 U	223	0.63	< 26 U	< 0.13 UJ	23600 J	13.4	< 0.42 U
4A	AH21	N	0	9010	0.22 J-	2.9	226	0.56	< 25.7 U	0.18	16500	12.4 J-	< 0.41 U
4A	AH21	N	4	11700	0.29 J-	3.4	225 J-	0.61	7.4 J	0.14	20100 J+	13.3 J-	< 0.41 U
4A	AH21	N	9	11100	0.14 J-	2.9	210 J-	0.65	6 J	0.13	29400 J+	11.4 J-	< 0.42 U
4A	AH22	N	0	11900	0.14 J-	2.3 J	225 J-	0.65	< 25.7 U	0.12 J	20900	15.7 J-	< 0.41 UJ
4A	AH22	N	4	11000	< 1.3 UJ	3.4	176 J-	0.58	< 25.7 U	0.12 J	47400	12.4 J-	< 0.41 UJ
4A	AH22	N	9	12100	0.16 J-	3.2	221 J-	0.66	< 25.9 U	0.11 J	24200	16 J-	< 0.42 UJ

All results are in mg/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Table B1
2007 Parcel 4A Investigation
Metals Soil Results

Parcel	Sample ID	Sample Type	Depth	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
			Residential PRG	76142	31	0.39	5375	154	16000	37	--	>100,000	30
			Maximum Background	15300	0.5	7.2	836	0.89	11.6	0.16	82800	16.7	0.251
4A	AI18	N	0	13300	0.37 J-	4.4	271 J+	0.67	< 25.6 U	< 0.13 U	21700	17.6	< 0.41 U
4A	AI18	N	4	12700	0.17 J-	2.7	258 J+	0.6	< 26.1 U	< 0.13 U	16300	16.3	< 0.42 U
4A	AI18	N	9	13900	0.2 J-	4	319 J+	0.7	7.3 J	< 0.13 U	18000	15.5	< 0.42 U
4A	AI19	N	0	11300	< 1.4 UJ	2.3 J	226 J+	0.58	< 27.2 U	< 0.14 U	21500	13.7	< 0.44 U
4A	AI19	N	4	12200	0.15 J-	3.6	183 J+	0.62	< 26 U	< 0.13 U	30400	13.7	< 0.42 U
4A	AI19	N	9	13000	0.18 J-	3.8	233 J+	0.7	6.4 J	< 0.13 U	14700	18.3	< 0.43 U
4A	AI19	FD	0	10800 J	0.4 J	2.4 J	187 J+	0.61	< 26.7 U	< 0.13 U	16200	12.3 J+	< 0.43 U
4A	AI20	N	0	11100 J	< 1.3 UJ	< 2.6 U	214	0.69	< 26.3 U	< 0.13 U	15000 J	11.7	< 0.42 U
4A	AI20	N	4	9960	< 1.3 UJ	< 2.6 U	158 J-	0.64	< 26.1 U	< 0.13 U	32700 J+	13.3 J-	< 0.42 U
4A	AI20	N	9	9790	< 1.3 UJ	< 2.6 U	191 J-	0.56	< 26.3 U	< 0.13 U	25000 J+	10.3 J-	< 0.42 U
4A	AI21	N	0	11600	0.19 J-	2.5 J	254 J-	0.65	< 26.3 U	0.14	21400 J+	11.1 J-	< 0.42 U
4A	AI21	N	4	12400	0.14 J-	2.9	214 J-	0.69	< 26.1 U	0.11 J	20600 J+	12.6 J-	< 0.42 U
4A	AI21	N	9	12100	< 1.3 UJ	2.8	295 J-	0.67	7.7 J	0.11 J	24600 J+	12 J-	< 0.41 U
4A	AI21	FD	0	12500	0.19 J-	2.8	250 J-	0.7	5.6 J	0.12 J	14700 J+	15.1 J-	< 0.41 U
4A	AI22	N	0	12200	< 1.3 UJ	2.8	281 J-	0.65	< 25.8 U	0.15	19900	16 J-	< 0.41 UJ
4A	AI22	N	4	11500	< 1.3 UJ	3.7	348 J-	0.56	< 25.9 U	0.097 J	35600	12 J-	< 0.41 UJ
4A	AI22	N	9	12700	< 1.3 UJ	5.6	329 J-	0.7	< 26.3 U	0.13	27800	14.2 J-	< 0.42 UJ
4A	AI23	N	0	12400	0.18 J-	3	215 J-	0.65	< 25.8 U	0.16	17000	15 J-	< 0.41 UJ
4A	AI23	N	4	12200	0.15 J-	4.2	264 J-	0.66	< 26.1 U	0.12 J	27000	15.3 J-	< 0.42 U
4A	AI23	N	9	10800	< 1.3 UJ	3.5	207 J-	0.6	< 26 U	0.097 J	44400	13.6 J-	< 0.42 U
4A	AJ19	N	0	11100 J	< 1.3 UJ	< 2.6 UJ	250	0.68	< 25.9 U	< 0.13 U	18700 J	14.1	< 0.41 U
4A	AJ19	N	4	11500 J	< 1.3 UJ	4.1	232	0.65	< 26.1 U	< 0.13 U	29700 J	11.8	< 0.42 U
4A	AJ19	N	9	11100 J	< 1.3 UJ	< 2.6 U	196	0.56	< 26.2 U	< 0.13 U	28200 J	11	< 0.42 U
4A	AJ19	FD	0	9980 J	< 1.3 UJ	< 2.6 UJ	176	0.55	< 25.9 U	< 0.13 U	18300 J	12.6	< 0.41 U
4A	AJ20	N	0	10800	< 1.3 UJ	< 2.6 U	206 J-	0.71	< 25.8 U	< 0.13 U	14800 J+	11.1 J-	< 0.41 U
4A	AJ20	N	4	11800	< 1.3 UJ	< 2.6 U	184 J-	0.6	< 26.1 U	< 0.13 U	22600 J+	12.6 J-	< 0.42 U
4A	AJ20	N	9	11800	< 1.3 UJ	< 2.6 U	240 J-	0.66	< 26.1 U	< 0.13 U	24600 J+	13.2 J-	< 0.42 U
4A	AJ21	N	0	9640	0.26 J-	2.6	275	0.57	< 25.6 U	0.12 J	20200	12.9 J-	< 0.41 U
4A	AJ21	N	4	11100	0.19 J-	2.9	243	0.6	7 J	0.13	24100	15.6 J-	< 0.41 U
4A	AJ21	N	9	11000	0.15 J-	3	246	0.61	7.3 J	0.11 J	23700	67.2 J-	< 0.41 U
4A	AJ22	N	0	11800 J	< 1.3 UJ	2.4 J	290 J	0.5 J-	< 26.8 UJ	0.18	24200 J	7.6	< 0.43 U
4A	AJ22	N	4	12700 J	< 1.3 UJ	2.6 J	246 J	0.52 J-	< 26.4 UJ	0.11 J	31200 J	8.7	< 0.42 U
4A	AJ22	N	9	12400 J	< 1.3 UJ	2.8 J	235 J	0.49 J-	< 26.2 UJ	0.11 J	37200 J	7.7	< 0.42 UJ
4A	AJ22	FD	0	12900 J	< 1.3 UJ	2.1 J	298 J	0.53 J-	< 26 UJ	0.19	22900 J	7	< 0.42 U
4A	CP-SS-1	N	0	10100 J	0.25 J-	4.5	309 J+	0.55	< 26.8 U	0.26	20600	19.8 J+	< 0.43 U
4A	CP-SS-1	N	4	10900 J	0.17 J-	2.9	228 J+	0.57	9.1 J	< 0.13 U	19400	18.4 J+	< 0.43 U

All results are in mg/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Table B1
2007 Parcel 4A Investigation
Metals Soil Results

Parcel	Sample ID	Sample Type	Depth	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
		Residential PRG		76142	31	0.39	5375	154	16000	37	--	>100,000	30
		Maximum Background		15300	0.5	7.2	836	0.89	11.6	0.16	82800	16.7	0.251
4A	CP-SS-1	N	9	10700 J	0.17 J-	3.2	182 J+	0.64	8 J	< 0.13 U	14700	13.5 J+	< 0.43 U
4A	CP-SS-2	N	0	10700 J	0.26 J-	3.2	246 J+	0.65	< 26.7 U	< 0.13 U	26200	11.5 J+	< 0.43 U
4A	CP-SS-2	N	4	13000 J	0.16 J-	2.8	251 J+	0.68	< 26.1 U	< 0.13 U	20900	17.2 J+	< 0.42 U
4A	CP-SS-2	N	9	10900 J	0.41 J-	3.1	237	0.58	7.8 J	< 0.13 U	25600 J	14.6	< 0.42 U
4A	CP-SS-2-C	FD	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-C	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-C	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NE	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NE	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NW	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NW	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SE	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SE	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	FD	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-3	N	0	7970	0.17 J-	1.6 J	113 J+	0.44	< 26.9 U	< 0.13 U	13700	8.2	< 0.43 U
4A	CP-SS-3	N	4	12000	0.17 J-	2.7	292 J+	0.66	< 26.4 U	< 0.13 U	20400	15.5	< 0.42 U
4A	CP-SS-3	N	9	13800	0.15 J-	3.7	211 J+	0.68	8.5 J	< 0.13 U	31600	14	< 0.42 U
4A	CP-SS-4	N	0	10800 J	0.31 J	2.8	230	0.69	< 26.9 U	0.19	15700 J	10.3	< 0.43 U
4A	CP-SS-4	N	4	10700 J	0.16 J-	2.9	214	0.66	< 26.1 U	0.11 J	22600 J	10.8	< 0.42 U
4A	CP-SS-4	N	9	12400	0.37 J-	3.3	234 J+	0.64	7.2 J	< 0.13 U	27600	11.6	< 0.42 U
4A	CP-SS-4	FD	0	9800 J	0.15 J	2.1 J	191	0.58	< 26.7 U	0.13	14400 J	11.5	< 0.43 U
4A	CP-SS-5	N	0	11000	< 1.3 UJ	< 2.6 U	217 J-	0.72	< 25.8 U	< 0.13 U	17600 J+	14.6 J-	< 0.41 U
4A	CP-SS-5	N	4	10600	< 1.3 UJ	< 2.6 U	213 J-	0.68	< 26 U	< 0.13 U	19700 J+	12.8 J-	< 0.42 U
4A	CP-SS-5	N	9	11600 J	< 1.3 UJ	4	219	0.64	< 26.3 U	< 0.13 U	29500 J	12.3	< 0.42 U
4A	CP-SS-6	N	0	10800	0.16 J-	2.8	222 J+	0.56	< 27.1 U	< 0.14 U	18400	14.1	< 0.43 U
4A	CP-SS-6	N	4	10500	0.14 J-	3.3	190 J+	0.6	< 27 U	< 0.14 U	54600	13.6	< 0.43 U
4A	CP-SS-6	N	9	11600	0.18 J-	3.4	195 J+	0.63	< 26.6 U	< 0.13 U	26900	16.4	< 0.43 U
4A	C-SS-1	N	0	11300 J	0.17 J-	2.7	215 J+	0.61	< 25.8 U	< 0.13 U	20600	14.1 J+	< 0.41 U
4A	C-SS-1	N	4	11300 J	0.18 J-	3.3	198 J+	0.57	< 26.5 U	< 0.13 U	28200	15.7 J+	< 0.42 U
4A	C-SS-1	N	9	10500 J	0.15 J-	3.3	190 J+	0.62	< 26.4 U	< 0.13 U	23800	12.8 J+	< 0.42 U
4A	C-SS-2	N	0	7900	< 1.3 UJ	6.3	277 J-	0.55	< 25.7 U	< 0.13 U	14700 J+	11.6 J-	< 0.41 U
4A	C-SS-2	N	4	11000	< 1.3 UJ	< 2.6 U	204 J-	0.63	< 26 U	< 0.13 U	19700 J+	14.3 J-	< 0.42 U
4A	C-SS-2	N	9	11800	< 1.3 UJ	< 2.6 U	201 J-	0.72	< 26.2 U	< 0.13 U	32700 J+	16 J-	< 0.42 U
4A	C-SS-2	FD	0	8230	< 1.3 UJ	4.8	362 J-	0.54	< 25.8 U	< 0.13 U	15600 J+	12.1 J-	< 0.41 U

All results are in mg/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Table B1
2007 Parcel 4A Investigation
Metals Soil Results

Parcel	Sample ID	Sample Type	Depth	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
		Residential PRG		76142	31	0.39	5375	154	16000	37	--	>100,000	30
		Maximum Background		15300	0.5	7.2	836	0.89	11.6	0.16	82800	16.7	0.251
4A	C-SS-3	N	0	11600	0.18 J-	2.8	241 J-	0.66	< 26.2 U	0.14	18400	15.9 J-	< 0.42 UJ
4A	C-SS-3	N	4	11100	0.14 J-	3.3	212 J-	0.6	< 26.1 U	0.11 J	32300	13.6 J-	< 0.42 UJ
4A	C-SS-3	N	9	11800	0.14 J-	4	270 J-	0.6	< 26.2 U	0.11 J	29300	12.4 J-	< 0.42 UJ
4A	C-SS-3	FD	0	11700	0.15 J-	2.3 J	238 J-	0.64	< 26 U	0.12 J	16300	14.2 J-	< 0.42 UJ
4A	C-SS-4	N	0	12200	0.17 J-	3	230 J-	0.64	< 26.3 U	0.15 J	21100	16.5 J-	< 0.42 UJ
4A	C-SS-4	N	4	11200	0.14 J-	3.5	231 J-	0.62	< 26 U	0.11 J	33200	14.6 J-	< 0.42 UJ
4A	C-SS-4	N	9	10800	0.16 J-	4.2	217 J-	0.69	< 26.3 U	0.13	16900	11.3 J-	< 0.42 UJ
4A	C-SS-4	FD	0	11800	0.25 J-	3.6	231 J-	0.65	< 25.9 U	0.36 J	19800	19.8 J-	< 0.41 UJ
4A	C-SS-5	N	0	12300 J	< 1.3 UJ	2 J	285 J	0.51 J-	< 25.9 UJ	0.13	19500 J	7.6	< 0.41 U
4A	C-SS-5	N	4	11500 J	< 1.3 UJ	2.9 J	211 J	0.5 J-	< 26 UJ	0.089 J	22200 J	7.3	< 0.42 UJ
4A	C-SS-5	N	9	13700 J	< 1.3 UJ	3.5 J	589 J	0.6 J-	< 26.3 UJ	0.12 J	13800 J	8.7	< 0.42 U
4A	FG-SS-1	N	0	10300	0.23 J-	2.7	239 J+	0.60	< 27.1 U	< 0.14 U	18000	25.8	< 0.43 U
4A	FG-SS-1	N	4	12000	0.15 J-	3.9	235 J+	0.58	14.2 J	< 0.14 U	33300	12.9	< 0.44 U
4A	FG-SS-1	N	5	12700	< 1.3 UJ	3.1	247 J+	0.64	< 26.3 U	< 0.13 U	38500	13.7	< 0.42 U
4A	FG-SS-1	N	9	13700	0.16 J-	3.1	248 J+	0.67	< 26.5 U	< 0.13 U	20700	14.9	< 0.42 U
4A	FG-SS-2	N	0	11100 J	0.16 J-	2.4 J	239	0.56	< 26.1 U	0.11 J	16400 J	13.3	< 0.42 U
4A	FG-SS-2	N	4	11500 J	0.17 J-	4	180	0.62	7.5 J	0.11 J	41500 J	13.5	< 0.42 U
4A	FG-SS-2	N	9	11900 J	0.14 J-	2.9	266	0.69	5.6 J	0.097 J	22300 J	11.2	< 0.42 U
4A	GM-SS-1	N	0	11200	0.22 J-	2.7	297	0.63	< 26.2 U	0.16	15900	12.3 J-	< 0.42 U
4A	GM-SS-1	N	4	10700	0.15 J-	3.1	261	0.59	5.8 J	0.12 J	24500	12.6 J-	< 0.42 U
4A	GM-SS-1	N	9	10400	0.15 J-	3.4	227	0.6	5.5 J	0.17	37100	11.7 J-	< 0.42 U
4A	GM-SS-2	N	0	12400 J	< 1.3 UJ	1.7 J	224 J	0.42 J-	< 25.9 UJ	0.13	17400 J	7.3	< 0.41 U
4A	GM-SS-2	N	4	9440 J	< 1.3 UJ	2.4 J	229 J	0.41 J-	< 26.2 UJ	0.064 J	16800 J	5.1	< 0.42 U
4A	GM-SS-3	N	0	11800 J	< 1.3 UJ	2.2 J	210 J	0.51 J-	< 26.2 UJ	0.14	15800 J	7.4	< 0.42 U
4A	GM-SS-3	N	4	14600 J	< 1.3 UJ	3.4 J	259 J	0.61 J-	5.6 J-	0.19	60700 J	8.9	< 0.42 U
4A	GM-SS-3	N	9	10000 J	< 1.3 UJ	2.6 J	254 J	0.44 J-	< 26 UJ	0.086 J	20200 J	6.7	< 0.42 U
4A	PS-FG-SS-1-C	N	0	11700 J	0.15 J-	2.5	218 J+	0.62	< 3.5 UJ	0.14	13800 J	21.7 J-	NR
4A	PS-FG-SS-1-NE	N	0	11600 J	0.15 J-	2.9	244 J+	0.6	< 3.5 UJ	0.13	15300 J	16.8 J-	NR
4A	PS-FG-SS-1-NW	N	0	12300 J	< 0.13 UJ	2.6	245 J+	0.62	< 3.5 UJ	0.13	15700 J	9.6 J-	NR
4A	PS-FG-SS-1-SE	N	0	10800 J	< 0.13 UJ	3.2	182 J+	0.54	< 3.5 UJ	0.16	44700 J	18.1 J-	NR
4A	PS-FG-SS-1-SW	N	0	11300 J	0.13 J-	2.6	228 J+	0.57	< 3.5 UJ	0.14	15900 J	12.9 J-	NR
4A	PS-FG-SS-1-C2	FD	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-C2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-C2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NE2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NE2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)
			Residential PRG	76142	31	0.39	5375	154	16000	37	--	>100,000	30
			Maximum Background	15300	0.5	7.2	836	0.89	11.6	0.16	82800	16.7	0.251
4A	PS-FG-SS-1-NW2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NW2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SE2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SE2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SW2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SW2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	SW-SS-1	N	0	11500	0.39 J-	2.7	262	0.63	< 25.9 U	0.24	17100	12.4 J-	< 0.42 U
4A	SW-SS-1	N	4	12000	0.14 J-	3.1	206	0.69	< 26.1 U	0.096 J	26300	11.9 J-	< 0.42 U
4A	SW-SS-1	N	9	11000	0.15 J-	4.1	222	0.61	< 26 U	0.11 J	29600	15.1 J-	< 0.42 U
4A	SW-SS-2	N	0	12900 J	< 1.4 UJ	2.3 J	398 J	0.47 J-	< 26.9 UJ	0.19	19100 J	8.5	< 0.43 U
4A	SW-SS-2	N	4	11500 J	< 1.3 UJ	3.1 J	222 J	0.53 J-	< 26.6 UJ	0.12 J	29700 J	6.7	< 0.43 U
4A	SW-SS-2	N	9	11000 J	< 1.3 UJ	2.4 J	171 J	0.44 J-	< 26.4 UJ	0.092 J	27400 J	5	< 0.42 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43; post-scrape data have been validated but the DVSR has not yet been approved by NDEP. Post-scrape data are identified with the PS- prefix in the sample ID.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.
NA	Not analyzed for

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Niobium
			Residential PRG	903	3129	23463	400	--	--	1762	391	1564	--
			Maximum Background	16.3	30.5	19700	35.1	--	17500	1090	2	30	2.8
4A	AF20	N	0	11.8	19.1 J-	19100	9.5 J	9.8	9240	547	0.39 J	15.5 J-	0.85 J
4A	AF20	N	4	8.4	16.7 J-	16700	9.2 J	10.2	9370	404	0.36 J	13.6 J-	< 6.7 U
4A	AF20	N	9	9.1	19.3 J-	20200	9.7 J	13.1	8690	437	0.46 J	15.7 J-	< 6.6 U
4A	AF21	N	0	8.9	16.9 J-	16500	31 J	8.2	8450	621	0.75 J	15.2 J-	1.3 J
4A	AF21	N	4	7.5	16.9 J-	18200	8.5 J	10.7	9850	342	0.45 J	13.9 J-	0.96 J
4A	AF21	N	9	8.3	17.7 J-	19500	8.9 J	14.4	8900	410	0.46 J	15.4 J-	< 6.6 U
4A	AF21	FD	0	9.3	23 J-	20600	8.9 J	10.8	9590	421	0.4 J	21.1 J-	< 6.5 U
4A	AG19	N	0	9.7 J-	17.5	20700	9.3	12.3	10900	499	< 1.3 U	17.6 J-	< 6.5 UJ
4A	AG19	N	4	9.1 J-	16.9	20300	9.5	14.2	9710	446	< 1.3 U	16.2 J-	< 6.5 UJ
4A	AG19	N	9	9.2 J-	17.9	20000	8.7	16.9	10200	417	< 1.3 U	16.6 J-	< 6.6 UJ
4A	AG20	N	0	10.8 J	20.7	21200 J	22	13.1	11300 J	746 J	< 1.3 U	19.8 J	< 6.5 UJ
4A	AG20	N	4	10.3 J	20.7	20400 J	10.5	14	9700 J	527 J	< 1.3 U	19.9 J	< 6.5 U
4A	AG20	N	9	10.8 J	17.9	19700 J	8.8	15	10800 J	596 J	< 1.3 U	17.5 J	< 6.5 UJ
4A	AG21	N	0	10.2 J-	19.9 J-	21000	11.3 J	11.5	8770	520	0.69 J	16.5 J-	< 6.5 U
4A	AG21	N	4	8.8 J-	17 J-	18100	8.2 J	10.9	9920	379	0.43 J	16.5 J-	< 6.6 U
4A	AG21	N	9	9.7 J-	19.6 J-	19100	9.2 J	14.7	10300	429	0.6 J	15.6 J-	< 6.6 U
4A	AG22	N	0	10.2 J-	17.9 J-	22400	19.1	12.6	10600 J-	590	0.53 J	17 J-	< 6.5 UJ
4A	AG22	N	4	9.7 J-	16.8 J-	21400	11.5	14	9730 J-	485	0.49 J	15.6 J-	1 J+
4A	AG22	N	9	9.5 J-	17.7 J-	22000	10.8	14.7	9780 J-	521	0.66 J	16.2 J-	< 6.5 UJ
4A	AH18	N	0	9.5	19.1	20800	8.4 J	12.4	10300 J	451 J	0.54 J	17.1 J	< 6.5 U
4A	AH18	N	4	12.9	17.8	19400	9.9 J+	13.8	10300 J	591	0.43 J	16.9 J	< 6.7 U
4A	AH18	N	9	9.9	18	18500	10.8 J+	16.3	9980 J	483	0.66 J	15.5 J	< 6.5 U
4A	AH18	FD	0	9.7	18.8	20000	33 J	12.3	11900 J	797 J	3.5 J	16.4 J	< 6.4 U
4A	AH19	N	0	10.2	18.8 J-	20300	25.4	11.1	11200 J+	709	0.96 J	17.9	< 6.5 U
4A	AH19	N	4	9	17.4 J-	20800	9.1	15.7	10200 J+	431	0.53 J	15.6	< 6.8 U
4A	AH19	N	9	9.9	17.6 J-	20400	8.6	16.3	10800 J+	459	0.5 J	16.7	< 6.7 U
4A	AH20	N	0	10.3 J	20.7	19400 J	36.9 J	12.1	11100 J	900 J	< 1.3 UJ	22.5 J	< 6.4 UJ
4A	AH20	N	4	9.6 J	18.9	18600 J	11.3	12.9	10600 J	468 J	< 1.3 U	16.7 J	< 6.5 UJ
4A	AH20	N	9	10.4 J	17	18800 J	8.4	16	9720 J	432 J	< 1.3 U	18 J	< 6.6 U
4A	AH20	FD	0	9.7 J	18.2	19500 J	10.2 J	12.4	10400 J	475 J	< 1.3 UJ	17.8 J	< 6.5 UJ
4A	AH21	N	0	8.4 J-	18.9 J-	17700	22.8 J	10.2	8220	559	0.85 J	16.1 J-	1.9 J
4A	AH21	N	4	9.7 J-	16.6	19500	11	14.5	10300	502	0.55 J	16.5 J-	1.2 J
4A	AH21	N	9	8.7 J-	17.6	18900	8.9	15.3	9900	458	0.52 J	15.3 J-	0.92 J
4A	AH22	N	0	9.2 J-	16.3 J-	21500	10.5	10.7	9560 J-	479	0.37 J	15.9 J-	< 6.4 UJ
4A	AH22	N	4	8.1 J-	14.2 J-	18000	8.6	12.1	9650 J-	427	0.37 J	14.6 J-	< 6.4 U
4A	AH22	N	9	9.7 J-	18.7 J-	22100	9.4	17	10700 J-	434	0.49 J	17.6 J-	< 6.5 U

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Niobium
			Residential PRG	903	3129	23463	400	--	--	1762	391	1564	--
			Maximum Background	16.3	30.5	19700	35.1	--	17500	1090	2	30	2.8
4A	AI18	N	0	10.5	20.4 J-	22100	18.2	12.1	12700 J+	730	1 J	18.7	< 6.4 UJ
4A	AI18	N	4	11.1	18.6 J-	23100	11.5	13.9	10400 J+	584	0.58 J	17.8	< 6.5 U
4A	AI18	N	9	11.1	18.4 J-	21600	10.7	16.1	10600 J+	475	0.46 J	17.5	< 6.6 U
4A	AI19	N	0	11.5	18.4 J-	22400	10.2 J	10.8	10400 J+	579	0.42 J	17.8	< 6.8 U
4A	AI19	N	4	10	17.3 J-	21200	9.2	13.1	11700 J+	459	0.41 J	16.7	< 6.5 U
4A	AI19	N	9	10.6	19.1 J-	21300	9.6	16.4	10100 J+	454	0.49 J	17.2	< 6.6 U
4A	AI19	FD	0	9.8	18.2	19500	18.7 J	9.5	9630 J	607	0.8 J	15.3 J	< 6.7 UJ
4A	AI20	N	0	9.3 J	18.8	19200 J	9.5	10.6	9950 J	483 J	< 1.3 U	18.9 J	< 6.6 UJ
4A	AI20	N	4	9.2 J-	16.8	17600	7.6	12.6	9480	377	< 1.3 U	16.7 J-	< 6.5 U
4A	AI20	N	9	8.8 J-	14.7	16700	7	12.4	8720	406	< 1.3 U	13.4 J-	< 6.6 U
4A	AI21	N	0	9.4 J-	16.8	19400	10.5	11.1	9240	519	0.44 J	15.3 J-	1.1 J
4A	AI21	N	4	9.2 J-	19.1	20000	9.5	13.7	10100	478	0.46 J	15.6 J-	0.92 J
4A	AI21	N	9	10.2 J-	19	20600	9.7	14.5	9590	476	0.52 J	17.7 J-	< 6.4 UJ
4A	AI21	FD	0	9.6 J-	16.8	20400	10.8	13.5	8830	507	0.44 J	15.9 J-	0.92 J
4A	AI22	N	0	9.3 J-	16.6 J-	21300	12.6	12.2	10100 J-	519	0.54 J	16.2 J-	< 6.5 UJ
4A	AI22	N	4	8.2 J-	15.8 J-	18500	8.4	14.6	10400 J-	374	0.49 J	14.2 J-	< 6.5 UJ
4A	AI22	N	9	8.5 J-	16.1 J-	19200	10.2	20.7	10800 J-	427	1.1 J	15.3 J-	< 6.6 U
4A	AI23	N	0	8.8 J-	20.1 J-	21100	11.5	14.1	9930 J-	474	0.5 J	16.5 J-	< 6.5 U
4A	AI23	N	4	9.2 J-	17.3 J-	21000	13.8	17.3	10300 J-	432	0.51 J	16.3 J-	< 6.5 U
4A	AI23	N	9	8.5 J-	16 J-	19600	9.3	12.2	9880 J-	381	0.38 J	14.6 J-	< 6.5 U
4A	AJ19	N	0	9.9 J	20.3	20400 J	20.8 J	11	10900 J	728 J	< 1.3 UJ	17.7 J	< 6.5 UJ
4A	AJ19	N	4	8.9 J	18.4	19300 J	10	13.3	10300 J	509 J	< 1.3 U	16.2 J	< 6.5 U
4A	AJ19	N	9	10 J	16.8	19000 J	9	14.2	11400 J	504 J	< 1.3 U	16.8 J	< 6.5 U
4A	AJ19	FD	0	9.7 J	17.6	20700 J	9.7 J	10.2	9770 J	484 J	< 1.3 UJ	16.3 J	< 6.5 UJ
4A	AJ20	N	0	9.9 J-	17.5	22200	10.5	11.9	10200	522	< 1.3 U	16.4 J-	< 6.5 UJ
4A	AJ20	N	4	9.5 J-	19	19400	10.9	14.8	10800	478	< 1.3 U	16.7 J-	< 6.5 U
4A	AJ20	N	9	10.1 J-	18.5	21400	9.2	16.1	9660	436	< 1.3 U	16.6 J-	< 6.5 U
4A	AJ21	N	0	8.6 J-	19.3 J-	18200	9.2 J	9.7	9320	468	0.47 J	19 J-	< 6.4 U
4A	AJ21	N	4	10.8 J-	18.3 J-	19400	11.3 J	12.4	9790	481	0.71 J	17.8 J-	< 6.5 U
4A	AJ21	N	9	9 J-	19 J-	19400	9.1 J	14	9520	432	0.61 J	44.6 J-	< 6.5 U
4A	AJ22	N	0	10.9 J	18.5 J-	12900 J	11.5 J	11.4	10400 J	609 J	0.2 J	16 J	< 6.7 U
4A	AJ22	N	4	8 J	13.9 J-	12500 J	9.8	13	10300 J	373 J	0.21 J	13.4 J	< 6.6 U
4A	AJ22	N	9	7.8 J	13.5 J-	12100 J	7.5	16.8	11000 J	341 J	0.21 J	13.2 J	< 6.6 U
4A	AJ22	FD	0	8.1 J	16.1 J-	11000 J	24.5 J	10.8	10400 J	612 J	0.2 J	12.8 J	< 6.5 U
4A	CP-SS-1	N	0	11.3	20.1	18700	20.7 J+	10.4	9660 J	1090	2.8	17.2 J	9.8 J+
4A	CP-SS-1	N	4	9.9	17.6	20600	10.4 J+	12.9	8950 J	509	1.1 J	16.6 J	1.1 J+

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Niobium
		Residential PRG		903	3129	23463	400	--	--	1762	391	1564	--
		Maximum Background		16.3	30.5	19700	35.1	--	17500	1090	2	30	2.8
4A	CP-SS-1	N	9	11.5	20.2	22100	10.4 J+	13.5	9540 J	526	0.58 J	18.1 J	< 6.7 U
4A	CP-SS-2	N	0	11.7	21	21500	13.1 J+	10.2	10900 J	735	0.61 J	17.7 J	< 6.7 U
4A	CP-SS-2	N	4	11.4	19.4	**23900**	10.6 J+	13.1	10800 J	637	0.64 J	18.9 J	< 6.5 UJ
4A	CP-SS-2	N	9	10.6 J	17.9	19400 J	9.4	16.1	9880 J	491 J	0.72 J	17.3 J	< 6.5 UJ
4A	CP-SS-2-C	FD	4	NA	NA	17300	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-C	N	4	NA	NA	18800	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-C	N	7	NA	NA	17900	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NE	N	4	NA	NA	20300	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NE	N	7	NA	NA	18200	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NW	N	4	NA	NA	16700	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NW	N	7	NA	NA	17600	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SE	N	4	NA	NA	17700	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SE	N	7	NA	NA	17500	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	N	4	NA	NA	19100	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	FD	7	NA	NA	19500	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	N	7	NA	NA	20900	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-3	N	0	9.1	19.3 J-	16000	6.3	10.6	10000 J+	429	0.44 J	15.4	< 6.7 U
4A	CP-SS-3	N	4	12.7	21.9 J-	23300	10.9	13.3	10100 J+	584	0.71 J	18.7	< 6.6 U
4A	CP-SS-3	N	9	9.3	17.9 J-	20400	8.7	16.4	11300 J+	392	0.55 J	16.5	< 6.6 U
4A	CP-SS-4	N	0	10.3 J	21.1	17300 J	19.4	10.8	9800 J	810 J	1.1 J	17.8 J	< 6.7 UJ
4A	CP-SS-4	N	4	9.8 J	17.4	18600 J	10	13.8	9520 J	594 J	0.47 J	16.1 J	< 6.5 U
4A	CP-SS-4	N	9	10.2	18.9 J-	20000	9	13.5	11300 J+	443	0.55 J	16.1	< 6.6 U
4A	CP-SS-4	FD	0	9.6 J	20.2	19400 J	12	10.5	9570 J	509 J	0.58 J	16.3 J	< 6.7 UJ
4A	CP-SS-5	N	0	10 J-	19.1	20400	14.2	13.2	10100	692	< 1.3 U	16.8 J-	< 6.5 UJ
4A	CP-SS-5	N	4	9.8 J-	18.2	19800	9.5	11.9	9480	539	< 1.3 U	17.1 J-	< 6.5 UJ
4A	CP-SS-5	N	9	9.2 J	17.2	19400 J	8.8	14.5	11000 J	399 J	< 1.3 U	16.5 J	< 6.6 UJ
4A	CP-SS-6	N	0	10.8	18.2 J-	21300	10.8	9.9	10300 J+	567	0.47 J	18	< 6.8 U
4A	CP-SS-6	N	4	9.6	17.3 J-	20200	8.3	13.3	10600 J+	401	0.43 J	16.6	< 6.7 U
4A	CP-SS-6	N	9	10.3	18.7 J-	21600	9.9	16.2	11400 J+	452	0.66 J	18.3	< 6.7 U
4A	C-SS-1	N	0	10	18.3	21100	9.1 J+	13.2	10800 J	490	0.55 J	18.9 J	< 6.4 U
4A	C-SS-1	N	4	10.2	17.7	19800	9.3 J+	10.2	11300 J	485	0.71 J	17.5 J	< 6.6 U
4A	C-SS-1	N	9	10.6	22.8	20300	9.2 J+	13.4	11400 J	450	0.6 J	19.5 J	< 6.6 U
4A	C-SS-2	N	0	6.8 J-	16	15100	21.8	11.6	7210	485	< 1.3 U	13.2 J-	< 6.4 UJ
4A	C-SS-2	N	4	9.6 J-	19	20800	9.5	12.9	9460	444	< 1.3 U	16.9 J-	< 6.5 UJ
4A	C-SS-2	N	9	10 J-	19.8	21400	9.3	16.5	11600	460	< 1.3 U	17.5 J-	< 6.5 UJ
4A	C-SS-2	FD	0	6.5 J-	14.4	14100	23.1	11.6	7220	431	< 1.3 U	14.2 J-	< 6.5 UJ

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Table B1
2007 Parcel 4A Investigation
Metals Soil Results

Parcel	Sample ID	Sample Type	Depth	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Niobium
			Residential PRG	903	3129	23463	400	--	--	1762	391	1564	--
			Maximum Background	16.3	30.5	19700	35.1	--	17500	1090	2	30	2.8
4A	C-SS-3	N	0	10.6 J-	17.6 J-	23300	11.4	13.7	9740 J-	580	0.52 J	18.5 J-	< 6.6 UJ
4A	C-SS-3	N	4	8.3 J-	16.3 J-	19600	10	12.3	9370 J-	423	0.47 J	14.7 J-	< 6.5 UJ
4A	C-SS-3	N	9	9 J-	15.4 J-	18300	8.9	14.6	10400 J-	474	0.52 J	14.3 J-	< 6.6 U
4A	C-SS-3	FD	0	9.5 J-	19.2 J-	21200	9.8	12.8	9790 J-	475	0.42 J	16.9 J-	< 6.5 UJ
4A	C-SS-4	N	0	9.9 J-	17.4 J-	22700	14.3 J	12.8	10300 J-	559	0.5 J	16.4 J-	< 6.6 UJ
4A	C-SS-4	N	4	8.6 J-	16.6 J-	20400	9.2	15.1	10900 J-	343	0.46 J	16.1 J-	< 6.5 U
4A	C-SS-4	N	9	9.8 J-	19.4 J-	22200	12.1	15.7	9430 J-	580	0.54 J	16.1 J-	< 6.6 U
4A	C-SS-4	FD	0	9.6 J-	19.2 J-	22700	45.6 J	13.8	10300 J-	586	0.63 J	17 J-	< 6.5 UJ
4A	C-SS-5	N	0	8.7 J	14.5 J-	12800 J	9.8	10.4	10300 J	499 J	0.21 J	14.2 J	< 6.5 U
4A	C-SS-5	N	4	7.5 J	13.6 J-	12300 J	6.9	13.2	9640 J	339 J	0.23 J	12.5 J	< 6.5 U
4A	C-SS-5	N	9	8.9 J	14.4 J-	13600 J	9.5	15.7	9550 J	416 J	0.21 J	14 J	< 6.6 U
4A	FG-SS-1	N	0	14.1	20.5 J-	30200	19.1	10.8	10100 J+	841	0.71 J	19.1	< 6.8 U
4A	FG-SS-1	N	4	9.8	16.2 J-	20300	9.2	11.5	10700 J+	465	0.41 J	16.4	< 6.8 U
4A	FG-SS-1	N	5	10.4	18.1 J-	22200	9.8	12.7	11700 J+	509	0.57 J	16.8	< 6.6 U
4A	FG-SS-1	N	9	11	18.9 J-	23000	10.7	16.6	11000 J+	525	0.51 J	17.8	< 6.6 U
4A	FG-SS-2	N	0	10.6 J	18.7	22200 J	10.1	11.8	9700 J	529 J	0.46 J	17.8 J	< 6.5 UJ
4A	FG-SS-2	N	4	8.5 J	17.3	17500 J	8.4	14.2	11200 J	365 J	0.54 J	15.8 J	< 6.6 UJ
4A	FG-SS-2	N	9	9 J	17.1	18600 J	8.5	16.6	10000 J	351 J	0.37 J	16.8 J	< 6.6 UJ
4A	GM-SS-1	N	0	9.1 J-	19.6 J-	21100	20.8 J	9.6	9840	559	0.47 J	16.5 J-	1.1 J
4A	GM-SS-1	N	4	9.1 J-	17.6 J-	18700	12.2 J	11.2	9480	569	0.56 J	15.7 J-	0.91 J
4A	GM-SS-1	N	9	9.1 J-	18 J-	18300	9.9 J	15.2	9540	439	0.57 J	16.5 J-	< 6.5 U
4A	GM-SS-2	N	0	10.8 J	17.5 J-	13200 J	9.5	11.9	11300 J	541 J	0.15 J	15 J	< 6.5 U
4A	GM-SS-2	N	4	6.5 J	11.4 J-	10100 J	5.8	11.7	8540 J	275 J	< 1.3 U	10 J	< 6.5 U
4A	GM-SS-3	N	0	8.5 J	13.8 J-	12000 J	16.3	11.1	10800 J	494 J	0.31 J	13.2 J	< 6.5 U
4A	GM-SS-3	N	4	8.8 J	13.6 J-	13400 J	9.2	16.4	12400 J	414 J	0.38 J	15 J	< 6.6 U
4A	GM-SS-3	N	9	8.1 J	17.8 J-	11100 J	7.3	13.5	9370 J	347 J	0.22 J	15 J	< 6.5 U
4A	PS-FG-SS-1-C	N	0	10.4 J	19.3 J	**27100 J**	11	NR	10200 J	563 J	0.51	18.7 J	2
4A	PS-FG-SS-1-NE	N	0	11.1 J	18.7 J	23300 J	12.7	NR	10700 J	629 J	0.62	16.8 J	< 1.9 U
4A	PS-FG-SS-1-NW	N	0	9.9 J	19.8 J	22800 J	9.4	NR	10700 J	555 J	0.45	16.1 J	< 1.9 U
4A	PS-FG-SS-1-SE	N	0	9.9 J	18.2 J	**23500 J**	8.5	NR	10600 J	540 J	1.2	17.9 J	< 1.9 U
4A	PS-FG-SS-1-SW	N	0	10.2 J	16.8 J	22200 J	10.3	NR	10100 J	631 J	0.5	15.8 J	< 1.9 U
4A	PS-FG-SS-1-C2	FD	0	NA	NA	19200	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-C2	N	0	NA	NA	19600	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-C2	N	1	NA	NA	19700	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NE2	N	0	NA	NA	19700	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NE2	N	1	NA	NA	19600	NA	NA	NA	NA	NA	NA	NA

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Niobium
			Residential PRG	903	3129	23463	400	--	--	1762	391	1564	--
			Maximum Background	16.3	30.5	19700	35.1	--	17500	1090	2	30	2.8
4A	PS-FG-SS-1-NW2	N	0	NA	NA	18900	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NW2	N	1	NA	NA	17600	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SE2	N	0	NA	NA	18200	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SE2	N	1	NA	NA	20400	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SW2	N	0	NA	NA	21200	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SW2	N	1	NA	NA	18000	NA	NA	NA	NA	NA	NA	NA
4A	SW-SS-1	N	0	8.5 J-	18 J-	18700	24.6 J+	11.6	10300	626	0.86 J	15.6 J-	< 6.5 UJ
4A	SW-SS-1	N	4	7.9 J-	15.3 J-	18000	9.5 J+	13.1	9920	383	0.42 J	14.4 J-	< 6.5 U
4A	SW-SS-1	N	9	8.4 J-	16.2 J-	17700	9.1 J+	14.2	9620	423	0.81 J	15.4 J-	< 6.5 U
4A	SW-SS-2	N	0	8.4 J	13.8 J-	10900 J	26.9	13.6	10800 J	617 J	0.26 J	13.2 J	< 6.7 U
4A	SW-SS-2	N	4	7.8 J	13.2 J-	11900 J	8.8	13	10100 J	389 J	0.2 J	12.4 J	< 6.7 U
4A	SW-SS-2	N	9	8 J	13.2 J-	12100 J	6.3	13.5	10300 J	390 J	0.21 J	11.4 J	< 6.6 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43; post-scrape data have been validated but the DVSR has not yet been approved by NDEP. Post-scrape data are identified with the PS- prefix in the sample ID.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.
NA	Not analyzed for

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Palladium	Phosphorus	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Sulfur
			Residential PRG	--	--	--	--	391	--	391	--	46924	--
			Maximum Background	1.5	--	0.099	3890	0.6	4150	0.2609	1320	808	--
4A	AF20	N	0	0.74	1410 J-	< 0.27 U	2230	< 1.3 U	220 J	0.13 J	393	266 J	< 537 UJ
4A	AF20	N	4	0.67	1250 J-	< 0.27 U	1560	< 1.3 U	168 J	0.13 J	516	232 J	228 J-
4A	AF20	N	9	0.83	1400 J-	< 0.26 U	1060	< 1.3 U	168 J	0.17 J	725	280 J	482 J-
4A	AF21	N	0	0.72	1500 J-	< 0.26 U	1690	< 1.3 U	202 J	0.15 J	478	253 J	223 J-
4A	AF21	N	4	0.94	1290 J-	< 0.26 U	1200	< 1.3 U	193 J	0.15 J	654	335 J	304 J-
4A	AF21	N	9	0.9	1310 J-	< 0.26 U	1500	< 1.3 U	207 J	0.15 J	929	318 J	245 J-
4A	AF21	FD	0	0.58	1810 J-	< 0.26 U	1630	< 1.3 U	201 J	0.15 J	726	223 J	< 523 UJ
4A	AG19	N	0	< 0.26 U	1590 J-	< 0.26 U	2080	< 1.3 U	241 J+	< 0.52 U	686	239	318 J
4A	AG19	N	4	< 0.26 U	1400 J-	< 0.26 U	1430	< 1.3 U	192 J+	< 0.52 U	737	325	335 J
4A	AG19	N	9	< 0.26 U	1310 J-	< 0.26 U	1180	< 1.3 U	183 J+	< 0.52 U	897	285	311 J
4A	AG20	N	0	< 0.26 U	1640 J-	< 0.26 U	2090 J	< 1.3 U	246 J+	< 0.52 U	459 J-	252	346 J
4A	AG20	N	4	< 0.26 U	1540 J-	< 0.26 U	1790 J	< 1.3 U	231 J+	< 0.52 U	834 J-	389	292 J
4A	AG20	N	9	< 0.26 U	1420 J-	< 0.26 U	1140 J	< 1.3 U	264 J+	< 0.52 U	948 J-	337	526
4A	AG21	N	0	0.78	1720 J-	< 0.26 U	1680	< 1.3 U	264 J	0.15 J	453	261 J	246 J-
4A	AG21	N	4	0.74	1310 J-	< 0.27 U	1220	< 1.3 U	223 J	0.14 J	753	288 J	256 J-
4A	AG21	N	9	0.94	1420 J-	< 0.26 U	1320	< 1.3 U	233 J	0.17 J	970	326 J	342 J-
4A	AG22	N	0	0.68	1450 J-	< 0.26 U	1920	< 1.3 U	274 J+	0.18 J	523	228	277 J
4A	AG22	N	4	1.2	1160 J-	< 0.26 U	1360	< 1.3 U	210 J+	0.19 J	854	391	500 J
4A	AG22	N	9	0.97	1260 J-	< 0.26 U	1620	< 1.3 U	260 J+	0.18 J	775	328	331 J
4A	AH18	N	0	< 0.26 UJ	1590	< 0.26 U	2170 J	< 1.3 U	285 J+	0.12 J	1020 J	287 J	240 J
4A	AH18	N	4	< 0.27 U	1640	< 0.27 U	1820 J	< 1.3 U	223 J+	0.14 J	847	282	782
4A	AH18	N	9	< 0.26 U	1520	< 0.26 U	1730 J	< 1.3 U	250 J+	0.12 J	854	343	355 J
4A	AH18	FD	0	0.23 J	1690	< 0.26 U	2190 J	< 1.3 U	312 J+	0.17 J	342 J	170 J	258 J
4A	AH19	N	0	0.32	1730 J+	< 0.26 U	2200 J	< 1.3 U	250 J+	0.16 J	429	221 J+	273 J
4A	AH19	N	4	0.52	1250 J+	0.049 J	1990 J	0.3 J	193 J+	0.13 J	824	339 J+	302 J
4A	AH19	N	9	0.47	1630 J+	< 0.27 U	1350 J	< 1.3 U	202 J+	0.12 J	1080	315 J+	425 J
4A	AH20	N	0	< 0.26 U	1530 J-	< 0.26 U	2040 J	< 1.3 U	253 J+	< 0.51 U	349 J-	233	612 J
4A	AH20	N	4	< 0.26 U	1450 J-	< 0.26 U	1740 J	< 1.3 U	218 J+	< 0.52 U	520 J-	258	308 J
4A	AH20	N	9	< 0.26 U	1540 J-	< 0.26 U	1130 J	< 1.3 U	281 J+	< 0.53 U	733 J-	406	376 J
4A	AH20	FD	0	< 0.26 U	1350 J-	< 0.26 U	2650 J	< 1.3 U	326 J+	< 0.52 U	373 J-	285	280 J
4A	AH21	N	0	0.52	1470 J-	< 0.26 U	1900	< 1.3 U	234 J	0.16 J	339	179 J	411 J-
4A	AH21	N	4	0.78	1260 J-	< 0.26 U	1700	< 1.3 U	185 J	0.16 J	609	311	308 J
4A	AH21	N	9	1	1370 J-	< 0.26 U	1330	< 1.3 U	195 J	0.16 J	979	420	269 J
4A	AH22	N	0	0.72	1410 J-	< 0.26 U	2010	< 1.3 U	291 J+	0.17 J	532	259	238 J
4A	AH22	N	4	0.82	1180 J-	< 0.26 U	1340	< 1.3 U	211 J+	0.15 J	623	291	298 J
4A	AH22	N	9	1	1350 J-	< 0.26 U	1330	< 1.3 U	230 J+	0.18 J	996	338	299 J

All results are in mg/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Palladium	Phosphorus	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Sulfur
		Residential PRG		--	--	--	--	391	--	391	--	46924	--
		Maximum Background		1.5	--	0.099	3890	0.6	4150	0.2609	1320	808	--
4A	AI18	N	0	0.28	1540 J+	< 0.26 U	2250 J	< 1.3 U	325 J+	0.18 J	427	202 J+	256 J
4A	AI18	N	4	0.38	1540 J+	< 0.26 U	1940 J	< 1.3 U	237 J+	0.15 J	786	258 J+	327 J
4A	AI18	N	9	0.52	1180 J+	< 0.27 U	2010 J	< 1.3 U	211 J+	0.16 J	867	337 J+	992
4A	AI19	N	0	0.32	1830 J+	< 0.27 U	1420 J	< 1.4 U	254 J+	0.11 J	416	226 J+	232 J
4A	AI19	N	4	0.39	1510 J+	< 0.26 U	1580 J	< 1.3 U	187 J+	0.12 J	578	258 J+	299 J
4A	AI19	N	9	0.56	1500 J+	< 0.27 U	1850 J	< 1.3 U	196 J+	0.15 J	851	385 J+	304 J
4A	AI19	FD	0	0.27	1820	< 0.27 U	1670 J	< 1.3 U	244 J+	0.13 J	360	200	241 J
4A	AI20	N	0	< 0.26 U	1700 J-	< 0.26 U	1710 J	< 1.3 U	283 J+	< 0.53 U	839 J-	275	282 J
4A	AI20	N	4	< 0.26 U	1270 J-	< 0.26 U	1420	< 1.3 U	153 J+	< 0.52 U	651	226	293 J
4A	AI20	N	9	< 0.26 U	1290 J-	< 0.26 U	1060	< 1.3 U	172 J+	< 0.53 U	925	380	380 J
4A	AI21	N	0	0.85	1330 J-	< 0.26 U	2380	< 1.3 U	202 J	0.16 J	335	327	229 J
4A	AI21	N	4	0.89	1470 J-	< 0.26 U	1660	< 1.3 U	230 J	0.16 J	940	354	288 J
4A	AI21	N	9	1.5	1510 J-	< 0.26 U	1310	< 1.3 U	197 J	0.15 J	1420	645	731
4A	AI21	FD	0	0.7	953 J-	< 0.26 U	2440	< 1.3 U	189 J	0.17 J	348	281	230 J
4A	AI22	N	0	0.78	1320 J-	< 0.26 U	2350	< 1.3 U	222 J+	0.14 J	375	279	263 J
4A	AI22	N	4	2.3	1400 J-	< 0.26 U	1220	< 1.3 U	175 J+	0.13 J	869	814	2190
4A	AI22	N	9	1.7	1080 J-	< 0.26 U	1570	0.84 J	222 J+	0.19 J	1570	599	831
4A	AI23	N	0	0.63	1460 J-	< 0.26 U	2980	< 1.3 U	232 J+	0.16 J	209	200	250 J
4A	AI23	N	4	1.2	1340 J-	< 0.26 U	1470	< 1.3 U	248 J+	0.18 J	1040	399	430 J
4A	AI23	N	9	0.99	1320 J-	< 0.26 U	1320	< 1.3 U	259 J+	0.15 J	733	326	574
4A	AJ19	N	0	< 0.26 U	1620 J-	< 0.26 U	1920 J	< 1.3 U	299 J+	< 0.52 U	388 J-	251	291 J
4A	AJ19	N	4	< 0.26 U	1300 J-	< 0.26 U	1960 J	< 1.3 U	245 J+	< 0.52 U	794 J-	356	311 J
4A	AJ19	N	9	< 0.26 U	1420 J-	< 0.26 U	1510 J	< 1.3 U	221 J+	< 0.52 U	753 J-	286	360 J
4A	AJ19	FD	0	< 0.26 U	1630 J-	< 0.26 U	1780 J	< 1.3 U	295 J+	< 0.52 U	320 J-	222	243 J
4A	AJ20	N	0	< 0.26 U	1690 J-	< 0.26 U	2300	< 1.3 U	223 J+	< 0.52 U	412	207	254 J
4A	AJ20	N	4	< 0.26 U	1510 J-	< 0.26 U	1560	< 1.3 U	170 J+	< 0.52 U	533	256	293 J
4A	AJ20	N	9	< 0.26 U	1390 J-	< 0.26 U	1370	< 1.3 U	191 J+	< 0.52 U	1130	429	415 J
4A	AJ21	N	0	0.71	1390 J-	< 0.26 U	1960	< 1.3 U	213 J	0.14 J	343	257 J	235 J-
4A	AJ21	N	4	0.82	1200 J-	< 0.26 U	2070	< 1.3 U	210 J	0.16 J	566	276 J	346 J-
4A	AJ21	N	9	1	1450 J-	< 0.26 U	1350	< 1.3 U	182 J	0.16 J	1140	368 J	440 J-
4A	AJ22	N	0	0.67	2290	< 0.27 U	2470 J	< 1.3 U	187 J+	0.13 J	273 J	214 J	< 535 U
4A	AJ22	N	4	0.87	1400	< 0.26 U	1840 J	< 1.3 U	202 J+	0.15 J	793	290 J	315 J
4A	AJ22	N	9	1.2	1340	< 0.26 U	1450 J	< 1.3 U	207 J+	0.15 J	1050	387 J	404 J
4A	AJ22	FD	0	0.84	1750	< 0.26 U	2860 J	< 1.3 U	245 J+	0.16 J	1090 J	274 J	257 J
4A	CP-SS-1	N	0	< 0.27 U	1330	< 0.27 U	2820 J	< 1.3 U	255 J+	0.2 J	396	248	264 J
4A	CP-SS-1	N	4	< 0.27 U	1410	< 0.27 U	2700 J	< 1.3 U	242 J+	0.14 J	748	222	484 J

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Palladium	Phosphorus	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Sulfur
		Residential PRG		--	--	--	--	391	--	391	--	46924	--
		Maximum Background		1.5	--	0.099	3890	0.6	4150	0.2609	1320	808	--
4A	CP-SS-1	N	9	< 0.27 U	1610	< 0.27 U	1710 J	< 1.3 U	243 J+	0.14 J	840	216	561
4A	CP-SS-2	N	0	< 0.27 U	1960	< 0.27 U	1970 J	< 1.3 U	300 J+	0.12 J	353	201	281 J
4A	CP-SS-2	N	4	< 0.26 U	1690	< 0.26 U	2050 J	< 1.3 U	259 J+	0.13 J	614	257	631
4A	CP-SS-2	N	9	< 0.26 U	1400 J+	< 0.26 U	1650 J	< 1.3 U	211 J+	0.15 J	824	280 J	523 J
4A	CP-SS-2-C	FD	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-C	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-C	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NE	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NE	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NW	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-NW	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SE	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SE	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	N	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	FD	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-2-SW	N	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	CP-SS-3	N	0	0.14 J	1790 J+	< 0.27 U	1230 J	< 1.3 U	174 J+	0.074 J	292	108 J+	244 J
4A	CP-SS-3	N	4	0.48	1780 J+	< 0.26 U	2030 J	< 1.3 U	264 J+	0.14 J	496	337 J+	281 J
4A	CP-SS-3	N	9	0.59	1470 J+	< 0.26 U	1660 J	< 1.3 U	226 J+	0.16 J	1130	406 J+	1050
4A	CP-SS-4	N	0	0.53	1600 J-	< 0.27 U	1670 J	< 1.4 U	445 J+	0.17 J	416 J-	237	279 J
4A	CP-SS-4	N	4	0.62	1450 J-	< 0.26 U	1550 J	< 1.3 U	255 J+	0.15 J	653 J-	257	291 J
4A	CP-SS-4	N	9	0.62	1640 J+	< 0.27 U	1400 J	< 1.3 U	188 J+	0.14 J	1100	413 J+	305 J
4A	CP-SS-4	FD	0	0.51	1750 J-	< 0.27 U	1680 J	< 1.3 U	394 J+	0.16 J	317 J-	197	238 J
4A	CP-SS-5	N	0	< 0.26 U	1670 J-	< 0.26 U	2050	< 1.3 U	201 J+	< 0.52 U	295	234	271 J
4A	CP-SS-5	N	4	< 0.26 U	1500 J-	< 0.26 U	1910	< 1.3 U	175 J+	< 0.52 U	485	232	303 J
4A	CP-SS-5	N	9	< 0.26 U	1330 J-	< 0.26 U	1570 J	< 1.3 U	234 J+	< 0.53 U	881 J-	402	324 J
4A	CP-SS-6	N	0	0.39	1560 J+	< 0.27 U	2390 J	0.32 J	271 J+	0.13 J	330	248 J+	330 J
4A	CP-SS-6	N	4	0.43	1360 J+	< 0.27 U	1670 J	< 1.4 U	191 J+	0.13 J	451	299 J+	278 J
4A	CP-SS-6	N	9	0.41	1350 J+	< 0.27 U	1720 J	< 1.3 U	211 J+	0.15 J	620	278 J+	264 J
4A	C-SS-1	N	0	< 0.26 U	1660	< 0.26 U	2320 J	< 1.3 U	352 J+	0.18 J	438	239	242 J
4A	C-SS-1	N	4	< 0.27 U	1620	< 0.27 U	1950 J	< 1.3 U	234 J+	0.13 J	622	238	263 J
4A	C-SS-1	N	9	< 0.26 U	1820	< 0.26 U	1440 J	0.33 J	217 J+	0.12 J	783	231	359 J
4A	C-SS-2	N	0	< 0.26 U	1110 J-	< 0.26 U	1630	< 1.3 U	175 J+	< 0.51 U	313	208	269 J
4A	C-SS-2	N	4	< 0.26 U	1540 J-	< 0.26 U	1580	< 1.3 U	182 J+	< 0.52 U	900	251	341 J
4A	C-SS-2	N	9	< 0.26 U	1630 J-	< 0.26 U	1450	< 1.3 U	187 J+	< 0.52 U	876	326	592
4A	C-SS-2	FD	0	< 0.26 U	1080 J-	< 0.26 U	2010	< 1.3 U	183 J+	< 0.52 U	260	235	249 J

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Table B1
2007 Parcel 4A Investigation
Metals Soil Results

Parcel	Sample ID	Sample Type	Depth	Palladium	Phosphorus	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Sulfur
			Residential PRG	--	--	--	--	391	--	391	--	46924	--
			Maximum Background	1.5	--	0.099	3890	0.6	4150	0.2609	1320	808	--
4A	C-SS-3	N	0	0.66	1460 J-	< 0.26 U	1930	< 1.3 U	228 J+	0.17 J	521	220	275 J
4A	C-SS-3	N	4	0.95	1290 J-	< 0.26 U	1560	< 1.3 U	203 J+	0.17 J	837	326	323 J
4A	C-SS-3	N	9	1	1150 J-	< 0.26 U	1400	< 1.3 U	221 J+	0.16 J	819	356	431 J
4A	C-SS-3	FD	0	0.87	1590 J-	< 0.26 U	2210	< 1.3 U	285 J+	0.17 J	414	294	235 J
4A	C-SS-4	N	0	0.65	1520 J-	< 0.26 U	2200	< 1.3 U	270 J+	0.16 J	629 J	218	928 J
4A	C-SS-4	N	4	0.98	1290 J-	< 0.26 U	1330	< 1.3 U	210 J+	0.17 J	1270	342	467 J
4A	C-SS-4	N	9	0.92	1810 J-	< 0.26 U	1280	< 1.3 U	194 J+	0.14 J	790	302	301 J
4A	C-SS-4	FD	0	0.63	1360 J-	< 0.26 U	2300	< 1.3 U	286 J+	0.18 J	329 J	214	335 J
4A	C-SS-5	N	0	0.87	1540	< 0.26 U	2650 J	< 1.3 U	274 J+	0.14 J	369	289 J	< 519 U
4A	C-SS-5	N	4	1	1430	< 0.26 U	1250 J	< 1.3 U	339 J+	0.14 J	1070	317 J	290 J
4A	C-SS-5	N	9	1.1	1650	< 0.26 U	1660 J	< 1.3 U	157 J+	0.16 J	887	359 J	397 J
4A	FG-SS-1	N	0	0.24 J	1760 J+	< 0.27 U	1800 J	< 1.4 U	282 J+	0.14 J	298	165 J+	264 J
4A	FG-SS-1	N	4	0.44	1410 J+	< 0.27 U	1680 J	< 1.4 U	198 J+	0.14 J	954	323 J+	256 J
4A	FG-SS-1	N	5	0.5	1500 J+	< 0.26 U	1510 J	0.31 J	231 J+	0.13 J	950	364 J+	438 J
4A	FG-SS-1	N	9	0.6	1420 J+	< 0.27 U	1830 J	< 1.3 U	229 J+	0.15 J	1250	408 J+	713
4A	FG-SS-2	N	0	0.66	1820 J-	< 0.26 U	1970 J	< 1.3 U	246 J+	0.13 J	405 J-	256	254 J
4A	FG-SS-2	N	4	0.93	1180 J-	< 0.26 U	1710 J	< 1.3 U	211 J+	0.15 J	1230 J-	375	398 J
4A	FG-SS-2	N	9	1	1280 J-	< 0.26 U	1250 J	< 1.3 U	206 J+	0.19 J	2230 J-	406	386 J
4A	GM-SS-1	N	0	0.75	1550 J-	< 0.26 U	2020	< 1.3 U	231 J	0.18 J	407	264 J	245 J-
4A	GM-SS-1	N	4	0.79	1390 J-	< 0.26 U	1680	< 1.3 U	235 J	0.15 J	382	279 J	245 J-
4A	GM-SS-1	N	9	0.81	1310 J-	< 0.26 U	1360	< 1.3 U	174 J	0.18 J	759	293 J	267 J-
4A	GM-SS-2	N	0	0.63	2180	< 0.26 U	1960 J	< 1.3 U	177 J+	0.12 J	338	212 J	219 J
4A	GM-SS-2	N	4	1.2	967	< 0.26 U	886 J	< 1.3 U	248 J+	0.11 J	919	394 J	263 J
4A	GM-SS-3	N	0	0.54	1680	< 0.26 U	2080 J	< 1.3 U	219 J+	0.13 J	515	189 J	238 J
4A	GM-SS-3	N	4	0.83	1290	< 0.26 U	1940 J	< 1.3 U	215 J+	0.17 J	795	256 J	364 J
4A	GM-SS-3	N	9	0.72	1550	< 0.26 U	1290 J	< 1.3 U	181 J+	0.13 J	780	235 J	309 J
4A	PS-FG-SS-1-C	N	0	0.44	1750 J	< 0.025 U	1930 J	< 0.4 U	746	0.13	386 J	246 J	NR
4A	PS-FG-SS-1-NE	N	0	0.42	1750 J	< 0.025 U	2200 J	< 0.4 U	777	0.12	583 J	241 J	NR
4A	PS-FG-SS-1-NW	N	0	0.48	2220 J	< 0.025 U	2130 J	< 0.4 U	628	0.12	462 J	264 J	NR
4A	PS-FG-SS-1-SE	N	0	0.4	1900 J	< 0.025 U	1880 J	< 0.4 U	622	0.12	472 J	222 J	NR
4A	PS-FG-SS-1-SW	N	0	0.4	2060 J	< 0.025 U	2130 J	< 0.4 U	577	0.12	417 J	229 J	NR
4A	PS-FG-SS-1-C2	FD	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-C2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-C2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NE2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NE2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Palladium	Phosphorus	Platinum	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Sulfur
			Residential PRG	--	--	--	--	391	--	391	--	46924	--
			Maximum Background	1.5	--	0.099	3890	0.6	4150	0.2609	1320	808	--
4A	PS-FG-SS-1-NW2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-NW2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SE2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SE2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SW2	N	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	PS-FG-SS-1-SW2	N	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A	SW-SS-1	N	0	0.61	1310 J-	< 0.26 U	2420	< 1.3 U	215 J+	0.17 J	451	213 J+	283 J-
4A	SW-SS-1	N	4	0.98	1200 J-	< 0.26 U	1330	< 1.3 U	185 J+	0.14 J	1010	341 J+	268 J-
4A	SW-SS-1	N	9	0.82	1200 J-	< 0.26 U	1330	< 1.3 U	190 J+	0.16 J	1090	301 J+	283 J-
4A	SW-SS-2	N	0	1	1560	< 0.27 U	2690 J	< 1.4 U	200 J+	0.14 J	301	321 J	236 J
4A	SW-SS-2	N	4	0.79	1610	< 0.27 U	1430 J	< 1.3 U	179 J+	0.13 J	593	273 J	251 J
4A	SW-SS-2	N	9	0.55	1620	< 0.26 U	1100 J	< 1.3 U	144 J+	0.1 J	798	190 J	256 J

Note: all data have been validated per the NDEP-approved DVSR for dataset 43; post-scrape data have been validated but the DVSR has not yet been approved by NDEP. Post-scrape data are identified with the PS- prefix in the sample ID.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.
NA	

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
			Residential PRG	5.2	46924	>100,000	--	15.6	78	23463	--
			Maximum Background	1.8	0.8	1010	2.5	2.7	59.1	121	179
4A	AF20	N	0	< 0.54 U	0.61	857	< 1.3 U	0.87	51.5 J-	41.2	23.2 J-
4A	AF20	N	4	< 0.54 U	0.48 J	700	< 1.3 U	0.93	42.5 J-	36.2	21.6 J-
4A	AF20	N	9	< 0.52 U	0.62	868	< 1.3 U	1.7	65.9 J-	39.2	26 J-
4A	AF21	N	0	< 0.52 U	1	789	< 1.3 U	0.76	48.2 J-	45.7	24 J-
4A	AF21	N	4	< 0.52 U	0.73	833	< 1.3 U	1.1	54.2 J-	37.2	23.7 J-
4A	AF21	N	9	< 0.52 U	1.4	856	< 1.3 U	1.5	56.7 J-	39.8	26.1 J-
4A	AF21	FD	0	< 0.52 U	0.62	833	< 1.3 U	0.9	50.2 J-	39.9	24.5 J-
4A	AG19	N	0	< 0.52 U	< 0.52 U	911 J	< 1.3 UJ	0.87	53.1	46.4	27.2
4A	AG19	N	4	< 0.52 U	< 0.52 U	869 J	< 1.3 UJ	0.91	51.8	43.3	29.9
4A	AG19	N	9	< 0.52 U	< 0.52 U	877 J	< 1.3 UJ	1.2	50	46.1	29.7
4A	AG20	N	0	< 0.52 U	< 0.52 U	826 J	< 1.3 U	1	52	55.9	28.9 J
4A	AG20	N	4	< 0.52 U	< 0.52 U	817 J	< 1.3 U	1	50.3	47.3	30.1 J
4A	AG20	N	9	< 0.52 U	< 0.52 U	784 J	< 1.3 U	1.4	50.6	45.3	26.6 J
4A	AG21	N	0	< 0.52 U	0.6	919	< 1.3 U	0.86	61.1 J-	41.1	24.6 J-
4A	AG21	N	4	< 0.53 U	0.51 J	882	< 1.3 U	0.92	52.2 J-	37.9	23.9 J-
4A	AG21	N	9	< 0.53 U	0.96	905	< 1.3 U	1.3	53 J-	40	28.4 J-
4A	AG22	N	0	< 0.52 U	0.74	1160	< 1.3 UJ	0.87	63.8 J-	51.2 J-	27.5 J-
4A	AG22	N	4	< 0.52 U	< 0.52 U	1020	< 1.3 UJ	1.2	63.9 J-	42.6 J-	27.4 J-
4A	AG22	N	9	< 0.52 U	< 0.52 U	1070	< 1.3 UJ	1.1	62 J-	44.6 J-	29 J-
4A	AH18	N	0	< 0.52 U	< 0.52 U	975 J	< 1.3 UJ	0.75	53.5	41.3	27.7
4A	AH18	N	4	< 0.53 U	< 0.53 U	858 J	< 1.3 U	0.9	51.8	40.1	27.3
4A	AH18	N	9	< 0.52 U	0.61	783 J	< 1.3 U	0.9	47.5	43.4	25.9 J
4A	AH18	FD	0	0.2 J	0.66	855 J	3.1 J	0.81	50.9	49.1	25.8
4A	AH19	N	0	0.19 J	0.78	894	1.6	0.81	50.6	52.3	28.1 J
4A	AH19	N	4	< 0.54 U	0.7	871	0.32 J	0.83	53.8	43.3	27.3 J
4A	AH19	N	9	< 0.53 U	0.57	861	0.33 J	1.1	50.3	42.1	26.7 J
4A	AH20	N	0	< 0.51 UJ	< 0.51 UJ	838 J	< 1.3 UJ	0.99	51.9	57.5	33.5 J
4A	AH20	N	4	< 0.52 U	< 0.52 U	682 J	< 1.3 U	0.93	43.3	45.3	28 J
4A	AH20	N	9	< 0.53 U	< 0.53 U	717 J	< 1.3 U	1.1	45.3	42.7	25.6 J
4A	AH20	FD	0	< 0.52 UJ	< 0.52 UJ	784 J	< 1.3 UJ	0.95	46.9	44.5	27 J
4A	AH21	N	0	0.18 J	0.74	855	< 1.3 U	0.81	51.2 J-	45.3	24.6 J-
4A	AH21	N	4	0.22 J	0.6	732 J	0.32 J-	0.79	48.9	41.3	25.7
4A	AH21	N	9	< 0.52 U	0.54	760 J	0.36 J-	1.1	47.7	40.5	30.6
4A	AH22	N	0	< 0.52 U	0.83	1060	< 1.3 UJ	0.87	62.1 J-	44.1 J-	27.8 J-
4A	AH22	N	4	< 0.51 U	< 0.51 U	913	< 1.3 UJ	0.98	50.2 J-	41.1 J-	23.7 J-
4A	AH22	N	9	< 0.52 U	< 0.52 U	1070	< 1.3 UJ	1.3	63.7 J-	45 J-	29 J-

All results are in mg/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
			Residential PRG	5.2	46924	>100,000	--	15.6	78	23463	--
			Maximum Background	1.8	0.8	1010	2.5	2.7	59.1	121	179
4A	AI18	N	0	0.31 J	0.84	978	1.4	0.94	57.3	50.6	33.4 J
4A	AI18	N	4	< 0.52 U	0.68	1010	0.38 J	0.93	59.2	48.9	31.4 J
4A	AI18	N	9	< 0.53 U	0.67	894	0.26 J	1.4	53.7	45.7	33.4 J
4A	AI19	N	0	< 0.55 U	0.6	845	0.28 J	0.94	60.5	44.5	26.4 J
4A	AI19	N	4	< 0.52 U	0.65	813	0.34 J	0.79	54.7	43	26.1 J
4A	AI19	N	9	< 0.53 U	0.71	864	0.29 J	1.3	52.2	43.6	34.6 J
4A	AI19	FD	0	0.2 J	0.79	868 J	0.46 J	0.83	52.2	47.2	25.9 J
4A	AI20	N	0	< 0.53 U	< 0.53 U	758 J	< 1.3 U	1.1	46.8	42.3	27.3 J
4A	AI20	N	4	< 0.52 U	< 0.52 U	681 J	< 1.3 U	0.89	40.7	40.5	25.8 J
4A	AI20	N	9	< 0.53 U	< 0.53 U	685 J	< 1.3 UJ	1	41.1	37.9	24.9 J
4A	AI21	N	0	< 0.53 U	0.58	821 J	0.34 J-	0.83	46.2	44	28.4
4A	AI21	N	4	< 0.52 U	0.55	797 J	0.27 J-	0.84	48.4	44.3	27.9
4A	AI21	N	9	< 0.52 U	0.52	795 J	0.34 J-	1.3	50.1	43	29.3
4A	AI21	FD	0	< 0.51 U	0.62	838 J	0.3 J-	0.95	50.7	45.1	28
4A	AI22	N	0	< 0.52 U	0.75	999	< 1.3 UJ	0.89	58 J-	46.9 J-	NR
4A	AI22	N	4	< 0.52 U	< 0.52 U	719	< 1.3 UJ	1.1	51.6 J-	39.5 J-	21.6 J-
4A	AI22	N	9	1.3	< 0.53 U	894	< 1.3 UJ	1.8	56 J-	41.1 J-	27.1 J-
4A	AI23	N	0	< 0.52 U	0.78	976	< 1.3 UJ	0.94	52.3 J-	46.9 J-	24 J-
4A	AI23	N	4	< 0.52 U	< 0.52 U	1040	< 1.3 UJ	1.4	62.3 J-	42.4 J-	30.3 J-
4A	AI23	N	9	< 0.52 U	< 0.52 U	863	< 1.3 UJ	0.97	52.4 J-	41.8 J-	22.9 J-
4A	AJ19	N	0	< 0.52 U	< 0.52 U	838 J	< 1.3 UJ	0.94	50.2	52.2	31.9 J
4A	AJ19	N	4	< 0.52 U	< 0.52 U	690 J	< 1.3 U	0.95	46.4	43.5	26.7 J
4A	AJ19	N	9	< 0.52 U	< 0.52 U	721 J	< 1.3 U	0.95	45.4	43.1	25.8 J
4A	AJ19	FD	0	< 0.52 U	< 0.52 U	749 J	< 1.3 UJ	0.77	49.3	46.8	24 J
4A	AJ20	N	0	< 0.52 U	< 0.52 U	877 J	< 1.3 UJ	0.78	50.1	46	29.3
4A	AJ20	N	4	< 0.52 U	< 0.52 U	780 J	< 1.3 UJ	1	46.7	46.2	26.3
4A	AJ20	N	9	< 0.52 U	< 0.52 U	906 J	< 1.3 UJ	1.1	54.1	44.7	32.7
4A	AJ21	N	0	< 0.51 U	0.53	696	< 1.3 U	0.9	49.2 J-	40.4	22.2 J-
4A	AJ21	N	4	< 0.52 U	0.69	897	< 1.3 U	0.86	55.4 J-	40.6	25 J-
4A	AJ21	N	9	< 0.52 U	0.66	917	< 1.3 U	1.1	52.3 J-	39.5	26.7 J-
4A	AJ22	N	0	< 0.54 U	< 0.54 UJ	466 J	< 1.3 UJ	0.89	26 J-	37.1 J-	21.7 J-
4A	AJ22	N	4	< 0.53 U	< 0.53 U	526 J	< 1.3 UJ	0.76	27.5 J-	35 J-	25.4 J-
4A	AJ22	N	9	< 0.52 U	0.33 J	461 J	< 1.3 UJ	1	28.1 J-	33.1 J-	24.1 J-
4A	AJ22	FD	0	0.39 J	0.35 J	439 J	0.27 J-	0.62	24.3 J-	38.3 J-	22.2 J-
4A	CP-SS-1	N	0	< 0.54 U	1.1	866 J	2.7	1.2	54.9	66.4	38.6
4A	CP-SS-1	N	4	< 0.54 U	0.69	1010 J	< 1.3 U	0.86	55.9	42.6	30.2

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
			Residential PRG	5.2	46924	>100,000	--	15.6	78	23463	--
			Maximum Background	1.8	0.8	1010	2.5	2.7	59.1	121	179
4A	CP-SS-1	N	9	< 0.53 U	0.65	868 J	< 1.3 U	0.94	53.5	43.4	29.4
4A	CP-SS-2	N	0	< 0.53 U	0.66	895 J	< 1.3 U	0.94	54	45.3	26.2 J
4A	CP-SS-2	N	4	< 0.52 U	0.69	1040 J	< 1.3 U	0.86	61.5	48.5	30
4A	CP-SS-2	N	9	< 0.52 U	0.71	863 J	< 1.3 U	0.9	50.4	40.2	28.8
4A	CP-SS-2-C	FD	4	NA	NA	NA	NA	NA	47.9 J+	NA	NA
4A	CP-SS-2-C	N	4	NA	NA	NA	NA	NA	51.2 J+	NA	NA
4A	CP-SS-2-C	N	7	NA	NA	NA	NA	NA	48.0 J+	NA	NA
4A	CP-SS-2-NE	N	4	NA	NA	NA	NA	NA	54.6 J+	NA	NA
4A	CP-SS-2-NE	N	7	NA	NA	NA	NA	NA	48.8 J+	NA	NA
4A	CP-SS-2-NW	N	4	NA	NA	NA	NA	NA	45.1 J+	NA	NA
4A	CP-SS-2-NW	N	7	NA	NA	NA	NA	NA	45.1 J+	NA	NA
4A	CP-SS-2-SE	N	4	NA	NA	NA	NA	NA	44.9 J+	NA	NA
4A	CP-SS-2-SE	N	7	NA	NA	NA	NA	NA	47.6 J+	NA	NA
4A	CP-SS-2-SW	N	4	NA	NA	NA	NA	NA	51.1 J+	NA	NA
4A	CP-SS-2-SW	FD	7	NA	NA	NA	NA	NA	55.8 J+	NA	NA
4A	CP-SS-2-SW	N	7	NA	NA	NA	NA	NA	55.5 J+	NA	NA
4A	CP-SS-3	N	0	< 0.54 U	0.44 J	563	0.32 J	0.49	39.6	35.8	17 J
4A	CP-SS-3	N	4	< 0.53 U	0.64	1000	0.45 J	0.99	62	45.8	29.8 J
4A	CP-SS-3	N	9	< 0.53 U	0.73	900	0.27 J	1.2	50.9	41.9	32.4 J
4A	CP-SS-4	N	0	0.23 J	0.74	765 J	1.1 J	0.99	41.2	57.7	33.4 J
4A	CP-SS-4	N	4	< 0.52 U	0.55	745 J	0.37 J	0.97	43.4	44.9	28.9 J
4A	CP-SS-4	N	9	< 0.53 U	0.71	783	0.36 J	1.3	50.1	42.9	28.9 J
4A	CP-SS-4	FD	0	< 0.53 U	0.61	872 J	0.8 J	0.79	47.5	44	27.5 J
4A	CP-SS-5	N	0	< 0.52 U	< 0.52 U	859 J	< 1.3 UJ	0.8	50.7	47.1	29.1
4A	CP-SS-5	N	4	< 0.52 U	< 0.52 U	815 J	< 1.3 UJ	0.84	48.3	45.2	30.1
4A	CP-SS-5	N	9	< 0.53 U	< 0.53 U	751 J	< 1.3 U	1.1	46.9	44.1	30.3 J
4A	CP-SS-6	N	0	< 0.54 U	0.57	913	0.35 J	0.98	55.5	43.7	27.8 J
4A	CP-SS-6	N	4	< 0.54 U	0.55	865	0.26 J	0.96	53.9	39.7	26.3 J
4A	CP-SS-6	N	9	< 0.53 U	0.65	972	0.3 J	1.1	56.9	43.9	30.3 J
4A	C-SS-1	N	0	< 0.52 U	0.61	953 J	< 1.3 U	0.82	55.2	43	30.6
4A	C-SS-1	N	4	< 0.53 U	0.64	921 J	< 1.3 U	0.92	51.7	42.2	26 J
4A	C-SS-1	N	9	< 0.53 U	0.73	939 J	< 1.3 U	1.3	51.3	41.6	27
4A	C-SS-2	N	0	< 0.51 U	< 0.51 U	598 J	< 1.3 UJ	0.77	37.5	40.5	19.7 J
4A	C-SS-2	N	4	< 0.52 U	< 0.52 U	906 J	< 1.3 UJ	0.84	52.7	43.7	30.5
4A	C-SS-2	N	9	< 0.52 U	< 0.52 U	907 J	< 1.3 UJ	1	52.4	46.7	29.8
4A	C-SS-2	FD	0	< 0.52 U	< 0.52 U	562 J	< 1.3 UJ	0.73	35.9	38.6	18.7 J

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
			Residential PRG	5.2	46924	>100,000	--	15.6	78	23463	--
			Maximum Background	1.8	0.8	1010	2.5	2.7	59.1	121	179
4A	C-SS-3	N	0	< 0.52 U	1.8 J	1210	< 1.3 UJ	1	65 J-	49.4 J-	28.2 J-
4A	C-SS-3	N	4	< 0.52 U	< 0.52 U	1010	< 1.3 UJ	0.93	56.1 J-	42.3 J-	26.8 J-
4A	C-SS-3	N	9	< 0.53 U	< 0.53 U	930	< 1.3 UJ	1.4	52.6 J-	41.5 J-	27.2 J-
4A	C-SS-3	FD	0	< 0.52 U	0.69 J	1080	< 1.3 UJ	0.87	59.9 J-	44.5 J-	28.3 J-
4A	C-SS-4	N	0	< 0.53 U	2.1 J	1030	< 1.3 UJ	0.86	62.4 J-	48.8 J-	25.3 J-
4A	C-SS-4	N	4	< 0.52 U	0.73	960	< 1.3 UJ	1.2	59.5 J-	41.5 J-	24.8 J-
4A	C-SS-4	N	9	< 0.53 U	0.66	934	< 1.3 UJ	1.5	60.9 J-	44.6 J-	24.5 J-
4A	C-SS-4	FD	0	< 0.52 U	1.1 J	1000	< 1.3 UJ	0.89	61.8 J-	65.7 J-	24.3 J-
4A	C-SS-5	N	0	< 0.52 U	< 0.52 U	545 J	< 1.3 UJ	0.69	27.5 J-	35.5 J-	25 J-
4A	C-SS-5	N	4	< 0.52 U	< 0.52 U	503 J	< 1.3 UJ	0.88	28.9 J-	33 J-	24.6 J-
4A	C-SS-5	N	9	< 0.53 U	< 0.53 U	522 J	< 1.3 UJ	1.1	30.3 J-	36.8 J-	29.4 J-
4A	FG-SS-1	N	0	< 0.54 U	1.0	1250	0.65 J	0.93	99.5	56.3	28.3 J
4A	FG-SS-1	N	4	< 0.55 U	0.52 J	814	< 1.4 U	0.78	51.1	40.1	27.8 J
4A	FG-SS-1	N	5	< 0.53 U	0.6	872	0.29 J	0.91	56.8	45.2	28.5 J
4A	FG-SS-1	N	9	< 0.53 U	0.69	996	0.28 J	1	58.4	46.1	33.3 J
4A	FG-SS-2	N	0	< 0.52 U	0.58	784 J	0.33 J	0.89	54.4	44.7	24 J
4A	FG-SS-2	N	4	< 0.53 U	0.51 J	650 J	0.28 J	0.98	42	38.4	24.7 J
4A	FG-SS-2	N	9	< 0.53 U	0.55	812 J	0.24 J	1.4	44.7	40.4	33.6 J
4A	GM-SS-1	N	0	< 0.53 U	1.2	1010	< 1.3 U	0.86	60.7 J-	46.2	28.2 J-
4A	GM-SS-1	N	4	< 0.52 U	0.57	891	< 1.3 U	0.93	52.8 J-	40.9	24.3 J-
4A	GM-SS-1	N	9	< 0.52 U	0.56	849	< 1.3 U	1.3	51.8 J-	38.7	27.2 J-
4A	GM-SS-2	N	0	< 0.52 U	< 0.52 U	463 J	< 1.3 UJ	0.62	25.4 J-	40.5 J-	NR
4A	GM-SS-2	N	4	< 0.52 U	< 0.52 U	405 J	< 1.3 UJ	0.76	23.7 J-	28.8 J-	20.6 J-
4A	GM-SS-3	N	0	< 0.52 U	< 0.52 U	474 J	< 1.3 UJ	0.57	24.6 J-	40 J-	20.7 J-
4A	GM-SS-3	N	4	< 0.52 U	< 0.52 U	531 J	< 1.3 UJ	1.1	27.7 J-	36.9 J-	27.6 J-
4A	GM-SS-3	N	9	< 0.52 U	< 0.52 U	451 J	< 1.3 UJ	0.78	24.5 J-	31.3 J-	21.3 J-
4A	PS-FG-SS-1-C	N	0	< 0.25 U	0.71	1340 J	0.69 J-	0.89	**92.9 J**	52.8 J-	26.9 J-
4A	PS-FG-SS-1-NE	N	0	< 0.25 U	0.61	1110	0.57 J-	0.75	75.8 J	47.4 J-	25.1 J-
4A	PS-FG-SS-1-NW	N	0	< 0.25 U	0.61	1220 J	0.43 J-	0.83	71.7 J	47.1 J-	25.9 J-
4A	PS-FG-SS-1-SE	N	0	< 0.25 U	0.52	1240 J	0.38 J-	0.93	**80.3 J**	45.9 J-	23.3 J-
4A	PS-FG-SS-1-SW	N	0	< 0.25 U	0.58	1110 J	0.39 J-	0.8	65 J	45.7 J-	23.8 J-
4A	PS-FG-SS-1-C2	FD	0	NA	NA	NA	NA	NA	47.8 J+	NA	NA
4A	PS-FG-SS-1-C2	N	0	NA	NA	NA	NA	NA	52.5 J+	NA	NA
4A	PS-FG-SS-1-C2	N	1	NA	NA	NA	NA	NA	50.4 J+	NA	NA
4A	PS-FG-SS-1-NE2	N	0	NA	NA	NA	NA	NA	50.0 J+	NA	NA
4A	PS-FG-SS-1-NE2	N	1	NA	NA	NA	NA	NA	52.5 J+	NA	NA

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
			Residential PRG	5.2	46924	>100,000	--	15.6	78	23463	--
			Maximum Background	1.8	0.8	1010	2.5	2.7	59.1	121	179
4A	PS-FG-SS-1-NW2	N	0	NA	NA	NA	NA	NA	55.5 J+	NA	NA
4A	PS-FG-SS-1-NW2	N	1	NA	NA	NA	NA	NA	45.0 J+	NA	NA
4A	PS-FG-SS-1-SE2	N	0	NA	NA	NA	NA	NA	50.7 J+	NA	NA
4A	PS-FG-SS-1-SE2	N	1	NA	NA	NA	NA	NA	52.8 J+	NA	NA
4A	PS-FG-SS-1-SW2	N	0	NA	NA	NA	NA	NA	57.7 J+	NA	NA
4A	PS-FG-SS-1-SW2	N	1	NA	NA	NA	NA	NA	50.9 J+	NA	NA
4A	SW-SS-1	N	0	< 0.52 U	1	810	< 1.3 U	0.74	49.1 J-	52.8	24.1 J-
4A	SW-SS-1	N	4	< 0.52 U	0.53	767	< 1.3 U	0.97	48.8 J-	39.6	23.4 J-
4A	SW-SS-1	N	9	< 0.52 U	0.56	787	< 1.3 U	1.4	52 J-	37.3	26.4 J-
4A	SW-SS-2	N	0	< 0.54 U	< 0.54 U	448 J	< 1.4 UJ	0.53	24.5 J-	43.9 J-	20.7 J-
4A	SW-SS-2	N	4	< 0.53 U	< 0.53 U	494 J	< 1.3 UJ	0.85	27.8 J-	34.1 J-	23 J-
4A	SW-SS-2	N	9	< 0.53 U	< 0.53 U	348 J	< 1.3 UJ	0.86	23.4 J-	39.6 J-	17.4 J-

Note: all data have been validated per the NDEP-approved DVSR for dataset 43; post-scrape data have been validated but the DVSR has not yet been approved by NDEP. Post-scrape data are identified with the PS- prefix in the sample ID.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
(shaded)	Excavated sample location.
NA	

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG and maximum background.

Parcel	Sample ID	Sample Type	Depth	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane
		Residential PRG		3200	1200000	410	730	506000	124000	--	--	34
4A	AF20	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	9	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AF21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	AG19	N	0	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AG22	N	9	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH20	N	0	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ
4A	AH20	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AH20	FD	0	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane
		Residential PRG		3200	1200000	410	730	506000	124000	--	--	34
4A	AI18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	AI21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 5.1 UJ
4A	AI21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI22	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ
4A	AJ20	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-2	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ
4A	CP-SS-2	N	9	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	< 4.9 UJ

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane
		Residential PRG		3200	1200000	410	730	506000	124000	--	--	34
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-5	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-6	N	0	< 5.4 U	< 5.4 U	< 5.4 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 5.4 UJ
4A	CP-SS-6	N	4	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane
		Residential PRG		3200	1200000	410	730	506000	124000	--	--	34
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	DBCP	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5- Trichlorobenzene	1,3,5-Trimethylbenzene
		Residential PRG		62000	52000	460	600000	280	--	340	--	21000
4A	AF20	N	0	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	9	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AF21	N	9	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	AG19	N	0	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	0	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	4	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AG22	N	9	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH20	N	0	< 5 UJ	0.5 J	< 10 UJ	< 5 UJ	< 5 U	< 10 U	< 5 U	< 5 UJ	< 5 UJ
4A	AH20	N	4	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AH20	FD	0	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	< 9.5 U	< 4.8 U	< 4.8 U	< 9.5 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	DBCP	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5- Trichlorobenzene	1,3,5-Trimethylbenzene
		Residential PRG		62000	52000	460	600000	280	--	340	--	21000
4A	AI18	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	AI21	N	4	< 5.1 UJ	< 5.1 UJ	< 10 UJ	< 5.1 UJ	< 5.1 U	< 10 U	< 5.1 U	< 5.1 UJ	< 5.1 UJ
4A	AI21	N	9	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	< 14 U	< 7.1 U	< 7.1 U	< 14 U	< 7.1 U	< 7.1 U	< 7.1 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI22	N	4	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	< 9.5 U	< 4.7 U	< 4.7 U	< 9.5 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ
4A	AJ20	N	4	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 9.4 U	< 4.7 U	< 4.7 U	< 9.4 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-2	N	4	< 5 UJ	< 5 UJ	< 9.9 UJ	< 5 UJ	< 5 U	< 9.9 U	< 5 U	< 5 UJ	< 5 UJ
4A	CP-SS-2	N	9	< 4.9 UJ	< 4.9 UJ	< 9.9 UJ	< 4.9 UJ	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 UJ	< 4.9 UJ

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B2
2007 Parcel 4A Investigation
Volatile Organic Compounds (VOCs) Soil Results

Parcel	Sample ID	Sample Type	Depth	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	DBCP	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5- Trichlorobenzene	1,3,5-Trimethylbenzene
		Residential PRG		62000	52000	460	600000	280	--	340	--	21000
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	< 12 U	< 5.9 U	< 5.9 U	< 12 U	< 5.9 U	< 5.9 U	< 5.9 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-5	N	9	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-6	N	0	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 U	< 11 U	< 5.4 U	< 5.4 UJ	< 5.4 UJ
4A	CP-SS-6	N	4	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	< 13 U	< 6.7 U	< 6.7 U	< 13 U	< 6.7 U	< 6.7 U	< 6.7 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	< 14 U	< 6.8 U	< 6.8 U	< 14 U	< 6.8 U	< 6.8 U	< 6.8 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	< 9.6 U	< 4.8 U	< 4.8 U	< 9.6 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	DBCP	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene	1,2-Dichloropropane	1,3,5- Trichlorobenzene	1,3,5-Trimethylbenzene
		Residential PRG		62000	52000	460	600000	280	--	340	--	21000
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane
		Residential PRG		531000	105000	3400	--	--	--	--	--	--
4A	AF20	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	9	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AF21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	AG19	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AG22	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH20	N	0	< 5 UJ	< 5 U	< 5 UJ	< 10 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AH20	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AH20	FD	0	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	< 4.8 U	< 9.5 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane
		Residential PRG		531000	105000	3400	--	--	--	--	--	--
4A	AI18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	AI21	N	4	< 5.1 UJ	< 5.1 U	< 5.1 UJ	< 10 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	< 7.1 U	< 14 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI22	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	< 4.7 U	< 9.5 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ
4A	AJ20	N	4	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 4.7 U	< 9.4 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-2	N	4	< 5 UJ	< 5 U	< 5 UJ	< 9.9 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	CP-SS-2	N	9	< 4.9 UJ	< 4.9 U	< 4.9 UJ	< 9.9 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B2
2007 Parcel 4A Investigation
Volatile Organic Compounds (VOCs) Soil Results

Parcel	Sample ID	Sample Type	Depth	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane
		Residential PRG		531000	105000	3400	--	--	--	--	--	--
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	< 5.9 U	< 12 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-5	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-6	N	0	< 5.4 UJ	< 5.4 U	< 5.4 UJ	< 11 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-6	N	4	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	< 6.7 U	< 13 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	< 6.8 U	< 14 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	< 4.8 U	< 9.6 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	1-Nonanal	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane
		Residential PRG		531000	105000	3400	--	--	--	--	--	--
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone	Acetonitrile
		Residential PRG		158000	--	220000	--	--	--	--	14127000	424000
4A	AF20	N	0	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 21 U	< 54 UJ
4A	AF20	N	4	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	30 J+	< 54 UJ
4A	AF20	N	9	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	AF21	N	0	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	AF21	N	4	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	45 J+	< 49 UJ
4A	AF21	N	9	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AF21	FD	0	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 26 U	< 65 UJ
4A	AG19	N	0	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	AG19	N	4	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 23 U	< 57 UJ
4A	AG19	N	9	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AG20	N	0	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AG20	N	4	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	AG20	N	9	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AG21	N	0	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 20 U	< 49 UJ
4A	AG21	N	4	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	AG21	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	AG22	N	0	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	AG22	N	4	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 23 U	< 56 UJ
4A	AG22	N	9	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 24 U	< 60 UJ
4A	AH18	N	0	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AH18	N	4	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AH18	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	AH18	FD	0	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 21 U	< 51 UJ
4A	AH19	N	0	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 19 U	< 46 UJ
4A	AH19	N	4	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 22 U	< 56 UJ
4A	AH19	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	AH20	N	0	< 5 UJ	< 10 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U	< 50 UJ
4A	AH20	N	4	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AH20	N	9	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	AH20	FD	0	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 25 U	< 62 UJ
4A	AH21	N	0	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 22 UJ	< 54 UJ
4A	AH21	N	4	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AH21	N	9	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AH22	N	0	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 25 U	< 62 UJ
4A	AH22	N	4	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 20 U	< 49 UJ
4A	AH22	N	9	< 4.8 U	< 9.5 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 19 U	< 48 UJ
4A	AI18	N	0	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AI18	N	4	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	28 J+	< 46 UJ

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone	Acetonitrile
		Residential PRG		158000	--	220000	--	--	--	--	14127000	424000
4A	AI18	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	AI19	N	0	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AI19	N	4	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	AI19	N	9	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 23 U	< 56 UJ
4A	AI19	FD	0	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 23 U	< 58 UJ
4A	AI20	N	0	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AI20	N	4	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 32 U	< 79 UJ
4A	AI20	N	9	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 25 U	< 62 UJ
4A	AI21	N	0	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 24 U	< 61 UJ
4A	AI21	N	4	< 5.1 UJ	< 10 U	< 5.1 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	22	< 51 UJ
4A	AI21	N	9	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AI21	FD	0	< 7.1 U	< 14 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 28 U	< 71 UJ
4A	AI22	N	0	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 22 U	< 56 UJ
4A	AI22	N	4	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	AI22	N	9	< 4.7 U	< 9.5 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 19 U	< 47 UJ
4A	AI23	N	0	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	13 J	< 57 UJ
4A	AI23	N	4	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AI23	N	9	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	AJ19	N	0	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	AJ19	N	4	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AJ19	N	9	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AJ19	FD	0	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	AJ20	N	0	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 23 UJ	< 58 UJ
4A	AJ20	N	4	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	AJ20	N	9	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 23 U	< 57 UJ
4A	AJ21	N	0	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	22 J	< 57 UJ
4A	AJ21	N	4	< 4.7 U	< 9.4 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 19 U	< 47 UJ
4A	AJ21	N	9	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	AJ22	N	0	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	AJ22	N	4	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	AJ22	N	9	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 22 U	< 56 UJ
4A	AJ22	FD	0	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	CP-SS-1	N	0	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	CP-SS-1	N	4	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	CP-SS-1	N	9	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 24 U	< 60 UJ
4A	CP-SS-2	N	0	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 25 U	< 64 UJ
4A	CP-SS-2	N	4	< 5 UJ	< 9.9 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U	< 50 UJ
4A	CP-SS-2	N	9	< 4.9 UJ	< 9.9 U	< 4.9 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	5.9 J+	< 49 UJ

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone	Acetonitrile
		Residential PRG		158000	--	220000	--	--	--	--	14127000	424000
4A	CP-SS-3	N	0	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 26 U	< 64 UJ
4A	CP-SS-3	N	4	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 24 U	< 61 UJ
4A	CP-SS-3	N	9	< 5.9 U	< 12 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	12 J+	< 59 UJ
4A	CP-SS-4	N	0	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	CP-SS-4	N	4	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	CP-SS-4	N	9	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	CP-SS-4	FD	0	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 25 U	< 64 UJ
4A	CP-SS-5	N	0	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	CP-SS-5	N	4	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	CP-SS-5	N	9	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 24 U	< 61 UJ
4A	CP-SS-6	N	0	< 5.4 UJ	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U	< 54 UJ
4A	CP-SS-6	N	4	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 24 U	< 60 UJ
4A	CP-SS-6	N	9	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 24 U	< 61 UJ
4A	C-SS-1	N	0	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	C-SS-1	N	4	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	C-SS-1	N	9	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 24 U	< 60 UJ
4A	C-SS-2	N	0	< 6.7 U	< 13 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 27 U	< 67 UJ
4A	C-SS-2	N	4	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 21 U	< 54 UJ
4A	C-SS-2	N	9	< 6.8 U	< 14 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 27 U	< 68 UJ
4A	C-SS-2	FD	0	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	C-SS-3	N	0	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 22 U	< 56 UJ
4A	C-SS-3	N	4	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 26 U	< 65 UJ
4A	C-SS-3	N	9	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 22 U	< 54 UJ
4A	C-SS-3	FD	0	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 21 U	< 54 UJ
4A	C-SS-4	N	0	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 22 U	< 56 UJ
4A	C-SS-4	N	4	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	C-SS-4	N	9	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 21 U	< 54 UJ
4A	C-SS-4	FD	0	< 4.8 U	< 9.6 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 19 U	< 48 UJ
4A	C-SS-5	N	0	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	C-SS-5	N	4	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 50 UJ
4A	C-SS-5	N	9	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 25 U	< 64 UJ
4A	FG-SS-1	N	0	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 25 U	< 63 UJ
4A	FG-SS-1	N	4	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 23 U	< 56 UJ
4A	FG-SS-1	N	5	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 22 U	< 56 UJ
4A	FG-SS-1	N	9	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 32 U	< 79 UJ
4A	FG-SS-2	N	0	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	FG-SS-2	N	4	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 21 U	< 52 UJ
4A	FG-SS-2	N	9	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chlorotoluene	2-Nitropropane	2-Phenylbutane	3,3-dimethylpentane	3-ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone	Acetonitrile
		Residential PRG		158000	--	220000	--	--	--	--	14127000	424000
4A	GM-SS-1	N	0	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 26 U	< 65 UJ
4A	GM-SS-1	N	4	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 23 U	< 58 UJ
4A	GM-SS-1	N	9	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	GM-SS-2	N	0	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 20 U	< 49 UJ
4A	GM-SS-2	N	4	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	GM-SS-3	N	0	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	GM-SS-3	N	4	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	GM-SS-3	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	SW-SS-1	N	0	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 25 U	< 63 UJ
4A	SW-SS-1	N	4	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 51 UJ
4A	SW-SS-1	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ
4A	SW-SS-2	N	0	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 21 U	< 53 UJ
4A	SW-SS-2	N	4	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 23 U	< 56 UJ
4A	SW-SS-2	N	9	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 22 U	< 55 UJ

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B2

2007 Parcel 4A Investigation

Volatile Organic Compounds (VOCs) Soil Results

Parcel	Sample ID	Sample Type	Depth	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	Freon-11	Freon-12	Freon 113
		Residential PRG		640	28000	820	3900	355000	250	386000	94000	5600000
4A	AF20	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	AF20	N	9	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 9.9 UJ	< 5 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 UJ	< 4.9 U
4A	AF21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 UJ	< 5.1 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 13 UJ	< 6.5 U
4A	AG19	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10 UJ	< 5 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	AG20	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	AG20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 UJ	< 4.9 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 UJ	< 5.5 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 UJ	< 5.6 U
4A	AG22	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 12 UJ	< 6 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	1.1 J	< 5.6 U	< 11 U	< 5.6 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	AH20	N	0	< 5 U	< 5 UJ	< 5 U	< 10 U	< 5 U	1.8 J	< 5 U	< 10 U	< 5 U
4A	AH20	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	0.96 J	< 5.3 U	< 11 U	< 5.3 U
4A	AH20	FD	0	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	1.2 J	< 6.2 U	< 12 U	< 6.2 U
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 UJ	< 5.1 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 UJ	< 5.2 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 12 UJ	< 6.2 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 UJ	< 4.9 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	< 4.8 U	< 9.5 U	< 4.8 U	< 4.8 U	< 4.8 U	< 9.5 UJ	< 4.8 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	Freon-11	Freon-12	Freon 113
		Residential PRG		640	28000	820	3900	355000	250	386000	94000	5600000
4A	AI18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 UJ	< 5.2 U	< 10 U	< 5.2 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	1.1 J	< 5.8 U	< 12 U	< 5.8 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 12 UJ	< 6.1 U
4A	AI21	N	4	< 5.1 U	< 5.1 UJ	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 UJ	< 5.1 UJ
4A	AI21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 UJ	< 5.1 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	< 7.1 U	< 14 U	< 7.1 U	< 7.1 U	< 7.1 U	< 14 UJ	< 7.1 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 UJ	< 5.6 U
4A	AI22	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10 UJ	< 5 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	< 4.7 U	< 9.5 U	< 4.7 U	< 4.7 U	< 4.7 U	< 9.5 UJ	< 4.7 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 11 UJ	< 5.7 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 UJ	< 5.2 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 UJ	< 5.2 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ
4A	AJ20	N	4	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U	< 11 UJ	< 5.7 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 4.7 U	< 9.4 U	< 4.7 U	< 4.7 U	< 4.7 U	< 9.4 U	< 4.7 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 UJ	< 5.1 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 UJ	< 5.5 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 UJ	< 5.6 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 UJ	< 5.5 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 UJ	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U
4A	CP-SS-2	N	4	< 5 U	< 5 UJ	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U	< 9.9 UJ	< 5 U
4A	CP-SS-2	N	9	< 4.9 U	< 4.9 UJ	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 UJ	< 4.9 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	Freon-11	Freon-12	Freon 113
		Residential PRG		640	28000	820	3900	355000	250	386000	94000	5600000
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	< 5.9 U	< 12 U	< 5.9 U	< 5.9 U	< 5.9 U	< 12 U	< 5.9 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	CP-SS-5	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U
4A	CP-SS-6	N	0	< 5.4 U	< 5.4 UJ	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U
4A	CP-SS-6	N	4	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	< 6.7 U	< 13 U	< 6.7 U	< 6.7 U	< 6.7 U	< 13 UJ	< 6.7 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	< 6.8 U	< 14 U	< 6.8 U	< 6.8 U	< 6.8 U	< 14 UJ	< 6.8 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 UJ	< 5.6 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 13 UJ	< 6.5 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 UJ	< 5.6 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10 UJ	< 5 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 UJ	< 5.4 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	< 4.8 U	< 9.6 U	< 4.8 U	< 4.8 U	< 4.8 U	< 9.6 UJ	< 4.8 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 UJ	< 5.2 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10 UJ	< 5 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U	< 13 UJ	< 6.4 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	1.2 J	< 6.3 U	< 13 U	< 6.3 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	2.2 J	< 5.6 U	< 11 U	< 5.6 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	1.9 J	< 7.9 U	< 16 U	< 7.9 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Benzene	Bromobenzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	Freon-11	Freon-12	Freon 113
		Residential PRG		640	28000	820	3900	355000	250	386000	94000	5600000
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U	< 12 UJ	< 5.8 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 UJ	< 4.9 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 UJ	< 5.5 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U	< 13 UJ	< 6.3 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 UJ	< 5.1 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 UJ	< 5.5 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 UJ	< 5.3 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 UJ	< 5.6 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 UJ	< 5.5 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	c-1,2-Dichloroethylene	c-1,3-Dichloropropylene	Cymene
		Residential PRG		151000	--	1100	3000	220	47000	43000	780	--
4A	AF20	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	9	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AF21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	AG19	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AG22	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 12 UJ	< 6 U	< 6 U	< 6 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH20	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 UJ
4A	AH20	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AH20	FD	0	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 11 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	< 4.8 U	< 9.5 U	< 4.8 U	< 9.5 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	< 4.6 U	< 9.3 U	< 4.6 U	< 9.3 U	< 4.6 U	< 4.6 U	< 4.6 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	c-1,2-Dichloroethylene	c-1,3-Dichloropropylene	Cymene
		Residential PRG		151000	--	1100	3000	220	47000	43000	780	--
4A	AI18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U	< 6.2 U	< 12 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	AI21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 UJ
4A	AI21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	< 7.1 U	< 14 U	< 7.1 U	< 14 U	< 7.1 U	< 7.1 U	< 7.1 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI22	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	< 4.7 U	< 9.5 U	< 4.7 U	< 9.5 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 11 UJ	< 5.7 U	< 5.7 U	< 5.7 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 UJ	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 UJ	< 5.2 U	< 5.2 U	< 5.2 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 12 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ
4A	AJ20	N	4	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 11 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U	< 5.7 U	< 11 UJ	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 4.7 U	< 9.4 U	< 4.7 U	< 9.4 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 UJ	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-2	N	4	< 5 U	< 5 U	< 5 U	< 9.9 U	< 5 U	< 9.9 U	< 5 U	< 5 U	< 5 UJ
4A	CP-SS-2	N	9	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 9.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	c-1,2-Dichloroethylene	c-1,3-Dichloropropylene	Cymene
		Residential PRG		151000	--	1100	3000	220	47000	43000	780	--
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	< 5.9 U	< 12 U	< 5.9 U	< 12 U	< 5.9 U	< 5.9 U	< 5.9 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-5	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-6	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 UJ
4A	CP-SS-6	N	4	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U	< 6.1 U	< 12 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 12 U	< 6 U	< 12 U	< 6 U	< 6 U	< 6 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	< 6.7 U	< 13 U	< 6.7 U	< 13 U	< 6.7 U	< 6.7 U	< 6.7 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	< 6.8 U	< 14 U	< 6.8 U	< 14 U	< 6.8 U	< 6.8 U	< 6.8 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 UJ	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 UJ	< 5 U	< 5 U	< 5 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U	< 5.4 U	< 11 UJ	< 5.4 U	< 5.4 U	< 5.3 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	< 4.8 U	< 9.6 U	< 4.8 U	< 9.6 UJ	< 4.8 U	< 4.8 U	< 4.8 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U	< 6.4 U	< 13 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U	< 6.3 U	< 13 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	< 7.9 U	< 16 U	< 7.9 U	< 16 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U	< 5.2 U	< 10 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	c-1,2-Dichloroethylene	c-1,3-Dichloropropylene	Cymene
		Residential PRG		151000	--	1100	3000	220	47000	43000	780	--
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U	< 6.5 U	< 13 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U	< 5.8 U	< 12 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U	< 4.9 U	< 9.8 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U	1 J	< 13 UJ	< 6.3 U	< 6.3 U	< 6.3 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 10 UJ	< 5.1 U	< 5.1 U	< 5.1 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 UJ	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U	< 5.3 U	< 11 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U	< 5.6 U	< 11 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U	< 5.5 U	< 11 U	< 5.5 U	< 5.5 U	< 5.5 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dibromomethane	Dichloromethane	Ethanol	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene	m,p-Xylene	Methyl disulfide	Methyl ethyl ketone
		Residential PRG		67000	9100	--	395000	--	572000	--	--	22311000
4A	AF20	N	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 21 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	270	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	8.8 J
4A	AF20	N	9	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	< 250 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	14 J
4A	AF21	N	9	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	< 320 UJ	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 UJ	< 26 U
4A	AG19	N	0	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	< 290 UJ	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 UJ	< 23 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AG20	N	0	< 5.2 U	9.5	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AG20	N	4	< 5.4 U	17	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 250 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	< 20 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 270 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 280 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 23 U
4A	AG22	N	9	< 6 U	< 6 U	< 300 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 6 UJ	< 24 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 280 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 260 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 21 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 230 UJ	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 UJ	< 19 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 22 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	AH20	N	0	< 5 U	17 J	< 250 UJ	5.3 J	< 5 U	< 5.4 UJ	46 J	< 5 UJ	< 20 U
4A	AH20	N	4	< 5.2 U	12	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	< 260 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	AH20	FD	0	< 6.2 U	10 J	< 310 UJ	< 6.2 U	< 6.2 U	< 6.2 UJ	< 6.2 UJ	< 6.2 UJ	< 25 U
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 270 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 22 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	< 310 UJ	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 UJ	< 25 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	< 250 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	< 20 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	< 240 UJ	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 UJ	< 19 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	< 230 UJ	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 UJ	< 19 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dibromomethane	Dichloromethane	Ethanol	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene	m,p-Xylene	Methyl disulfide	Methyl ethyl ketone
		Residential PRG		67000	9100	--	395000	--	572000	--	--	22311000
4A	AI18	N	9	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	< 260 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 23 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	< 290 UJ	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 UJ	< 23 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	< 390 UJ	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 UJ	< 32 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	< 310 UJ	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 UJ	< 25 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	< 300 UJ	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 UJ	< 24 U
4A	AI21	N	4	< 5.1 U	< 5.1 U	< 260 UJ	0.45 J	< 5.1 U	< 5.1 U	1.2 J	< 5.1 UJ	3.9 J
4A	AI21	N	9	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	< 350 UJ	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 UJ	< 28 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 22 U
4A	AI22	N	4	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	< 240 UJ	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 UJ	< 19 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 290 UJ	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 UJ	< 23 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	< 260 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	< 290 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 23 UJ
4A	AJ20	N	4	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	< 280 UJ	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 UJ	< 23 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 280 UJ	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 UJ	< 23 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 240 UJ	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 UJ	< 19 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 260 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 22 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 250 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 300 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 6 UJ	< 24 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 320 UJ	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 UJ	< 25 U
4A	CP-SS-2	N	4	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	CP-SS-2	N	9	< 4.9 U	< 4.9 U	< 250 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	< 20 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dibromomethane	Dichloromethane	Ethanol	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene	m,p-Xylene	Methyl disulfide	Methyl ethyl ketone
		Residential PRG		67000	9100	--	395000	--	572000	--	--	22311000
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	< 320 UJ	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 UJ	< 26 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	< 310 UJ	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 UJ	< 24 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	< 290 UJ	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 UJ	< 23 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 270 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 320 UJ	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 UJ	< 25 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	< 280 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	CP-SS-5	N	9	< 6.1 U	13	< 300 UJ	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 UJ	< 24 U
4A	CP-SS-6	N	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	CP-SS-6	N	4	< 6 U	< 6 U	< 300 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 6 UJ	< 24 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	< 310 UJ	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 UJ	< 24 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 300 UJ	< 6 U	< 6 U	< 6 U	< 6 U	< 6 UJ	< 24 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	< 340 UJ	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 UJ	< 27 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 21 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	< 340 UJ	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 UJ	< 27 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	< 260 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 22 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	< 320 UJ	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 UJ	< 26 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 22 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 21 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 22 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 270 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 UJ	< 21 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	< 240 UJ	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 UJ	< 19 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 20 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 320 UJ	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 UJ	< 25 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	< 320 UJ	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 UJ	< 25 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 23 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 22 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	< 400 UJ	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 UJ	< 32 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	< 260 UJ	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 UJ	< 21 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	< 260 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dibromomethane	Dichloromethane	Ethanol	Ethylbenzene	Hexane, 2-methyl-	Isopropylbenzene	m,p-Xylene	Methyl disulfide	Methyl ethyl ketone
		Residential PRG		67000	9100	--	395000	--	572000	--	--	22311000
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 320 UJ	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 UJ	< 26 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 290 UJ	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 UJ	< 23 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	< 260 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 250 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 UJ	< 20 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 270 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 260 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 270 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 280 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	< 320 UJ	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 UJ	< 25 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	< 260 UJ	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 UJ	< 20 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 280 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 270 UJ	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 UJ	< 21 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 280 UJ	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 UJ	< 23 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 270 UJ	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 UJ	< 22 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
		Residential PRG		--	5281000	--	17000	240000	--	240000	--	1700000
4A	AF20	N	0	< 5.4 U	< 21 U	< 21 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	4	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF20	N	9	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AF21	N	0	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AF21	N	4	< 4.9 U	< 20 U	< 20 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AF21	N	9	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AF21	FD	0	< 6.5 U	< 26 U	< 26 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	AG19	N	0	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AG19	N	4	< 5.7 U	< 23 U	< 23 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AG19	N	9	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	0	1.4 J+	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG20	N	4	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG20	N	9	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AG21	N	0	< 4.9 U	< 20 U	< 20 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AG21	N	4	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AG21	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AG22	N	0	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AG22	N	4	< 5.6 U	< 23 U	< 23 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AG22	N	9	< 6 U	< 24 U	< 24 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	AH18	N	0	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH18	N	4	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH18	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH18	FD	0	< 5.1 U	< 21 U	< 21 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH19	N	0	< 4.6 U	< 19 U	< 19 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U
4A	AH19	N	4	< 5.6 U	< 22 U	< 22 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AH19	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AH20	N	0	< 5 U	< 20 U	< 20 U	< 5 U	< 5 UJ	< 5 U	< 5 UJ	36 J	< 5 U
4A	AH20	N	4	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH20	N	9	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AH20	FD	0	< 6.2 U	< 25 U	< 25 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 UJ	< 6.2 U
4A	AH21	N	0	< 5.4 UJ	< 22 UJ	< 22 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ
4A	AH21	N	4	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AH21	N	9	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AH22	N	0	< 6.2 U	< 25 U	< 25 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AH22	N	4	< 4.9 U	< 20 U	< 20 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	AH22	N	9	< 4.8 U	< 19 U	< 19 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	AI18	N	0	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI18	N	4	< 4.6 U	< 19 U	< 19 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
		Residential PRG		--	5281000	--	17000	240000	--	240000	--	1700000
4A	AI18	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AI19	N	0	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI19	N	4	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	AI19	N	9	< 5.6 U	< 23 U	< 23 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI19	FD	0	< 5.8 U	< 23 U	< 23 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	AI20	N	0	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI20	N	4	< 7.9 U	< 32 U	< 32 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	AI20	N	9	< 6.2 U	< 25 U	< 25 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
4A	AI21	N	0	< 6.1 U	< 24 U	< 24 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	AI21	N	4	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 UJ	< 5.1 U	< 5.1 UJ	< 5.1 U	< 5.1 U
4A	AI21	N	9	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AI21	FD	0	< 7.1 U	< 28 U	< 28 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U	< 7.1 U
4A	AI22	N	0	< 5.6 U	< 22 U	< 22 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AI22	N	4	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AI22	N	9	< 4.7 U	< 19 U	< 19 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AI23	N	0	< 5.7 U	< 23 U	< 23 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AI23	N	4	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AI23	N	9	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AJ19	N	0	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ19	N	4	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	N	9	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ19	FD	0	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ20	N	0	< 5.8 UJ	< 23 UJ	< 23 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ	< 5.8 UJ
4A	AJ20	N	4	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	AJ20	N	9	< 5.7 U	< 23 U	< 23 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	0	< 5.7 U	< 23 U	< 23 U	< 5.7 U	< 5.7 U	< 5.7 UJ	< 5.7 U	< 5.7 U	< 5.7 U
4A	AJ21	N	4	< 4.7 U	< 19 U	< 19 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
4A	AJ21	N	9	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	AJ22	N	0	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	AJ22	N	4	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	AJ22	N	9	< 5.6 U	< 22 U	< 22 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	AJ22	FD	0	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-1	N	0	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	CP-SS-1	N	4	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	CP-SS-1	N	9	< 6 U	< 24 U	< 24 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-2	N	0	< 6.4 U	< 25 U	< 25 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-2	N	4	< 5 U	< 20 U	< 20 U	< 5 U	< 5 UJ	< 5 U	< 5 UJ	< 5 U	< 5 U
4A	CP-SS-2	N	9	< 4.9 U	< 20 U	< 20 U	< 4.9 U	< 4.9 UJ	< 4.9 U	< 4.9 UJ	< 4.9 U	< 4.9 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
		Residential PRG		--	5281000	--	17000	240000	--	240000	--	1700000
4A	CP-SS-3	N	0	< 6.4 U	< 26 U	< 26 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-3	N	4	< 6.1 U	< 24 U	< 24 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-3	N	9	< 5.9 U	< 23 U	< 23 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U	< 5.9 U
4A	CP-SS-4	N	0	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-4	N	4	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	CP-SS-4	N	9	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-4	FD	0	< 6.4 U	< 25 U	< 25 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	CP-SS-5	N	0	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	CP-SS-5	N	4	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	CP-SS-5	N	9	< 6.1 U	< 24 U	< 24 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	CP-SS-6	N	0	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	CP-SS-6	N	4	< 6 U	< 24 U	< 24 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	CP-SS-6	N	9	< 6.1 U	< 24 U	< 24 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U
4A	C-SS-1	N	0	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	C-SS-1	N	4	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-1	N	9	< 6 U	< 24 U	< 24 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U
4A	C-SS-2	N	0	< 6.7 U	< 27 U	< 27 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U
4A	C-SS-2	N	4	< 5.4 U	< 21 U	< 21 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-2	N	9	< 6.8 U	< 27 U	< 27 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U	< 6.8 U
4A	C-SS-2	FD	0	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	C-SS-3	N	0	< 5.6 U	< 22 U	< 22 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-3	N	4	< 6.5 U	< 26 U	< 26 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	C-SS-3	N	9	< 5.4 U	< 22 U	< 22 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-3	FD	0	< 5.4 U	< 21 U	< 21 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	N	0	< 5.6 U	< 22 U	< 22 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	C-SS-4	N	4	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	C-SS-4	N	9	< 5.4 U	< 21 U	< 21 U	< 5.4 U	< 5.4 U	< 5.3 U	< 5.4 U	< 5.4 U	< 5.4 U
4A	C-SS-4	FD	0	< 4.8 U	< 19 U	< 19 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U
4A	C-SS-5	N	0	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	C-SS-5	N	4	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4A	C-SS-5	N	9	< 6.4 U	< 25 U	< 25 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
4A	FG-SS-1	N	0	< 6.3 U	< 25 U	< 25 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	FG-SS-1	N	4	< 5.6 U	< 23 U	< 23 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	5	< 5.6 U	< 22 U	< 22 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	FG-SS-1	N	9	< 7.9 U	< 32 U	< 32 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U	< 7.9 U
4A	FG-SS-2	N	0	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	FG-SS-2	N	4	< 5.2 U	< 21 U	< 21 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	FG-SS-2	N	9	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Methyl iodide	Methyl isobutyl ketone	Methyl n-butyl ketone	MTBE	n-Butyl benzene	n-Heptane	n-Propyl benzene	o-Xylene	Styrene (monomer)
		Residential PRG		--	5281000	--	17000	240000	--	240000	--	1700000
4A	GM-SS-1	N	0	< 6.5 U	< 26 U	< 26 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U
4A	GM-SS-1	N	4	< 5.8 U	< 23 U	< 23 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U
4A	GM-SS-1	N	9	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-2	N	0	< 4.9 U	< 20 U	< 20 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U
4A	GM-SS-2	N	4	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	0	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	4	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	GM-SS-3	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-1	N	0	< 6.3 U	< 25 U	< 25 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U
4A	SW-SS-1	N	4	< 5.1 U	< 20 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
4A	SW-SS-1	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U
4A	SW-SS-2	N	0	< 5.3 U	< 21 U	< 21 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U
4A	SW-SS-2	N	4	< 5.6 U	< 23 U	< 23 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U
4A	SW-SS-2	N	9	< 5.5 U	< 22 U	< 22 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	tert-Butyl benzene	Tetrachloroethylene	Toluene	t-1,3-Dichloropropylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
		Residential PRG		390000	480	520000	780	62000	53	426000	79	271000
4A	AF20	N	0	< 5.4 U	< 5.4 U	0.55 J	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	AF20	N	4	< 5.4 U	< 5.4 U	0.61 J	< 5.4 U	< 5.4 U	0.99 J	< 5.4 U	< 5.4 U	< 11 U
4A	AF20	N	9	< 5 U	< 5 U	0.45 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 9.9 U
4A	AF21	N	0	< 5.4 U	< 5.4 U	0.65 J	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	AF21	N	4	< 4.9 U	< 4.9 U	0.7 J	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 U
4A	AF21	N	9	< 5.1 U	< 5.1 U	0.47 J	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	AF21	FD	0	< 6.5 U	< 6.5 U	0.65 J	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U
4A	AG19	N	0	< 5 U	< 5 U	0.75 J	< 5 U	< 5 U	1.9 J	< 5 U	< 5 U	< 10 U
4A	AG19	N	4	< 5.7 U	< 5.7 U	2.4 J	< 5.7 U	< 5.7 U	3.3 J	< 5.7 U	< 5.7 U	< 11 U
4A	AG19	N	9	< 5.2 U	< 5.2 U	1.8 J	< 5.2 U	< 5.2 U	2.5 J	< 5.2 U	< 5.2 U	< 10 U
4A	AG20	N	0	< 5.2 U	< 5.2 U	2.5 J	< 5.2 U	< 5.2 U	4.2 J	< 5.2 U	< 5.2 U	< 10 U
4A	AG20	N	4	< 5.4 U	< 5.4 U	1.6 J	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	AG20	N	9	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U
4A	AG21	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U
4A	AG21	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	AG21	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U
4A	AG22	N	0	< 5.4 U	< 5.4 U	0.79 J	< 5.4 U	< 5.4 U	1.6 J	< 5.4 U	< 5.4 U	< 11 U
4A	AG22	N	4	< 5.6 U	< 5.6 U	0.71 J	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U
4A	AG22	N	9	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 12 U
4A	AH18	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U
4A	AH18	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	AH18	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U
4A	AH18	FD	0	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	AH19	N	0	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	< 4.6 U	2.5 J	< 4.6 U	< 4.6 U	< 9.3 U
4A	AH19	N	4	< 5.6 U	< 5.6 U	5.9	< 5.6 U	< 5.6 U	11	< 5.6 U	< 5.6 U	< 11 U
4A	AH19	N	9	< 5.5 U	< 5.5 U	1.2 J	< 5.5 U	< 5.5 U	1.6 J	< 5.5 U	< 5.5 U	< 11 U
4A	AH20	N	0	< 5 UJ	< 5 U	12 J	< 5 U	< 5 U	20 J	< 5 U	< 5 U	82 J
4A	AH20	N	4	< 5.2 U	< 5.2 U	2.5 J	< 5.2 U	< 5.2 U	3.9 J	< 5.2 U	< 5.2 U	< 10 U
4A	AH20	N	9	< 5.3 U	< 5.3 U	5.5	< 5.3 U	< 5.3 U	10	< 5.3 U	< 5.3 U	< 11 U
4A	AH20	FD	0	< 6.2 U	< 6.2 U	6.2 J	< 6.2 U	< 6.2 U	11 J	< 6.2 U	< 6.2 U	< 12 UJ
4A	AH21	N	0	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 5.4 UJ	< 11 UJ
4A	AH21	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	AH21	N	9	< 5.2 U	< 5.2 U	2.3 J	< 5.2 U	< 5.2 U	3.2 J	< 5.2 U	< 5.2 U	< 10 U
4A	AH22	N	0	< 6.2 U	< 6.2 U	0.83 J	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 12 U
4A	AH22	N	4	< 4.9 U	< 4.9 U	0.67 J	< 4.9 U	< 4.9 U	1.8 J	< 4.9 U	< 4.9 U	< 9.8 U
4A	AH22	N	9	< 4.8 U	< 4.8 U	0.53 J	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 4.8 U	< 9.5 U
4A	AI18	N	0	< 5.2 U	< 5.2 U	1.8 J	< 5.2 U	< 5.2 U	8	< 5.2 U	< 5.2 U	< 10 U
4A	AI18	N	4	< 4.6 U	< 4.6 U	4.7	< 4.6 U	< 4.6 U	8.8	< 4.6 U	< 4.6 U	< 9.3 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	tert-Butyl benzene	Tetrachloroethylene	Toluene	t-1,3-Dichloropropylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
		Residential PRG		390000	480	520000	780	62000	53	426000	79	271000
4A	AI18	N	9	< 5.5 U	< 5.5 U	4.3 J	< 5.5 U	< 5.5 U	8	< 5.5 U	< 5.5 U	< 11 U
4A	AI19	N	0	< 5.2 U	< 5.2 U	3.5 J	< 5.2 U	< 5.2 U	6.3 J	< 5.2 U	< 5.2 U	< 10 U
4A	AI19	N	4	< 5.3 U	< 5.3 U	4.5 J	< 5.3 U	< 5.3 U	8.6	< 5.3 U	< 5.3 U	< 11 U
4A	AI19	N	9	< 5.6 U	< 5.6 U	1.4 J	< 5.6 U	< 5.6 U	1.9 J	< 5.6 U	< 5.6 U	< 11 U
4A	AI19	FD	0	< 5.8 U	< 5.8 U	5.8	< 5.8 U	< 5.8 U	11 J	< 5.8 U	< 5.8 U	< 12 U
4A	AI20	N	0	< 5.1 U	< 5.1 U	2.1 J	< 5.1 U	< 5.1 U	2.7 J	< 5.1 U	< 5.1 U	< 10 U
4A	AI20	N	4	< 7.9 U	< 7.9 U	3.2 J	< 7.9 U	< 7.9 U	4.6 J	< 7.9 U	< 7.9 U	< 16 U
4A	AI20	N	9	< 6.2 U	< 6.2 U	4.7 J	< 6.2 U	< 6.2 U	6.5	< 6.2 U	< 6.2 U	< 12 U
4A	AI21	N	0	< 6.1 U	< 6.1 U	3.2 J	< 6.1 U	< 6.1 U	3.9 J	< 6.1 U	< 6.1 U	< 12 U
4A	AI21	N	4	< 5.1 UJ	< 5.1 U	6.2	< 5.1 U	< 5.1 U	6.1	< 5.1 U	< 5.1 U	< 10 U
4A	AI21	N	9	< 5.1 U	< 5.1 U	2.7 J	< 5.1 U	< 5.1 U	2.8 J	< 5.1 U	< 5.1 U	< 10 U
4A	AI21	FD	0	< 7.1 U	< 7.1 U	3.3 J	< 7.1 U	< 7.1 U	4.2 J	< 7.1 U	< 7.1 U	< 14 U
4A	AI22	N	0	< 5.6 U	< 5.6 U	1.1 J	< 5.6 U	< 5.6 U	1.9 J	< 5.6 U	< 5.6 U	< 11 U
4A	AI22	N	4	< 5 U	< 5 U	0.88 J	< 5 U	< 5 U	1.5 J	< 5 U	< 5 U	< 10 U
4A	AI22	N	9	< 4.7 U	< 4.7 U	0.86 J	< 4.7 U	< 4.7 U	1.4 J	< 4.7 U	< 4.7 U	< 9.5 U
4A	AI23	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U
4A	AI23	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U
4A	AI23	N	9	< 5.2 U	< 5.2 U	0.51 J	< 5.2 U	< 5.2 U	1.1 J	< 5.2 U	< 5.2 U	< 10 U
4A	AJ19	N	0	< 5.4 U	< 5.4 U	0.92 J	< 5.4 U	< 5.4 U	1.3 J	< 5.4 U	< 5.4 U	< 11 U
4A	AJ19	N	4	< 5.1 U	< 5.1 U	5.1	< 5.1 U	< 5.1 U	7.8	< 5.1 U	< 5.1 U	< 10 U
4A	AJ19	N	9	< 5.1 U	< 5.1 U	1.6 J	< 5.1 U	< 5.1 U	2.9 J	< 5.1 U	< 5.1 U	< 10 U
4A	AJ19	FD	0	< 5.5 U	< 5.5 U	1.3 J	< 5.5 U	< 5.5 U	2.3 J	< 5.5 U	< 5.5 U	< 11 U
4A	AJ20	N	0	< 5.8 UJ	< 5.8 UJ	3.1 J	< 5.8 UJ	< 5.8 UJ	5.3 J	< 5.8 UJ	< 5.8 UJ	< 12 UJ
4A	AJ20	N	4	< 5 U	< 5 U	2.5 J	< 5 U	< 5 U	3.6 J	< 5 U	< 5 U	< 9.9 U
4A	AJ20	N	9	< 5.7 U	< 5.7 U	1.6 J	< 5.7 U	< 5.7 U	1.9 J	< 5.7 U	< 5.7 U	< 11 U
4A	AJ21	N	0	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 5.7 U	< 11 U
4A	AJ21	N	4	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 9.4 U
4A	AJ21	N	9	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	AJ22	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U
4A	AJ22	N	4	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	AJ22	N	9	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U
4A	AJ22	FD	0	< 5.5 U	< 5.5 U	3.5 J	< 5.5 U	< 5.5 U	8.4	< 5.5 U	< 5.5 U	< 11 U
4A	CP-SS-1	N	0	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U
4A	CP-SS-1	N	4	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	CP-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 12 U
4A	CP-SS-2	N	0	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U
4A	CP-SS-2	N	4	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 9.9 U
4A	CP-SS-2	N	9	< 4.9 UJ	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.9 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	tert-Butyl benzene	Tetrachloroethylene	Toluene	t-1,3-Dichloropropylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
		Residential PRG		390000	480	520000	780	62000	53	426000	79	271000
4A	CP-SS-3	N	0	< 6.4 U	< 6.4 U	2.1 J	< 6.4 U	< 6.4 U	4.1 J	< 6.4 U	< 6.4 U	< 13 U
4A	CP-SS-3	N	4	< 6.1 U	< 6.1 U	8.4	< 6.1 U	< 6.1 U	10	< 6.1 U	< 6.1 U	< 12 U
4A	CP-SS-3	N	9	< 5.9 U	< 5.9 U	3.8 J	< 5.9 U	< 5.9 U	6.6	< 5.9 U	< 5.9 U	< 12 U
4A	CP-SS-4	N	0	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	CP-SS-4	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	CP-SS-4	N	9	< 5.2 U	< 5.2 U	2.2 J	< 5.2 U	< 5.2 U	4.1 J	< 5.2 U	< 5.2 U	< 10 U
4A	CP-SS-4	FD	0	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U
4A	CP-SS-5	N	0	< 5.5 U	< 5.5 U	3.4 J	< 5.5 U	< 5.5 U	5.4 J	< 5.5 U	< 5.5 U	< 11 U
4A	CP-SS-5	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U
4A	CP-SS-5	N	9	< 6.1 U	< 6.1 U	4.6 J	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 6.1 U	< 12 U
4A	CP-SS-6	N	0	< 5.4 UJ	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	1.4 J	< 5.4 U	< 5.4 U	< 11 U
4A	CP-SS-6	N	4	< 6 U	< 6 U	3 J	< 6 U	< 6 U	5.1 J	< 6 U	< 6 U	< 12 U
4A	CP-SS-6	N	9	< 6.1 U	< 6.1 U	2.6 J	< 6.1 U	< 6.1 U	4.8 J	< 6.1 U	< 6.1 U	< 12 U
4A	C-SS-1	N	0	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U
4A	C-SS-1	N	4	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U
4A	C-SS-1	N	9	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 12 U
4A	C-SS-2	N	0	< 6.7 U	< 6.7 U	3.4 J	< 6.7 U	< 6.7 U	4.7 J	< 6.7 U	< 6.7 U	< 13 U
4A	C-SS-2	N	4	< 5.4 U	< 5.4 U	1.7 J	< 5.4 U	< 5.4 U	1.7 J	< 5.4 U	< 5.4 U	< 11 U
4A	C-SS-2	N	9	< 6.8 U	< 6.8 U	2.8 J	< 6.8 U	< 6.8 U	3.7 J	< 6.8 U	< 6.8 U	< 14 U
4A	C-SS-2	FD	0	< 5.3 U	< 5.3 U	1.5 J	< 5.3 U	< 5.3 U	1.8 J	< 5.3 U	< 5.3 U	< 11 U
4A	C-SS-3	N	0	< 5.6 U	< 5.6 U	< 5.6 UJ	< 5.6 U	< 5.6 U	< 5.6 UJ	< 5.6 U	< 5.6 U	< 11 U
4A	C-SS-3	N	4	< 6.5 U	< 6.5 U	0.92 J	< 6.5 U	< 6.5 U	1.6 J	< 6.5 U	< 6.5 U	< 13 U
4A	C-SS-3	N	9	< 5.4 U	< 5.4 U	0.7 J	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	C-SS-3	FD	0	< 5.4 U	< 5.4 U	< 5.4 UJ	< 5.4 U	< 5.4 U	< 5.4 UJ	< 5.4 U	< 5.4 U	< 11 U
4A	C-SS-4	N	0	< 5.6 U	< 5.6 U	< 5.6 UJ	< 5.6 U	< 5.6 U	< 5.6 UJ	< 5.6 U	< 5.6 U	< 11 U
4A	C-SS-4	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U
4A	C-SS-4	N	9	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 11 U
4A	C-SS-4	FD	0	< 4.8 U	< 4.8 U	1.2 J	< 4.8 U	< 4.8 U	< 4.8 UJ	< 4.8 U	< 4.8 U	< 9.6 U
4A	C-SS-5	N	0	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 10 U
4A	C-SS-5	N	4	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U
4A	C-SS-5	N	9	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 13 U
4A	FG-SS-1	N	0	< 6.3 U	< 6.3 U	6.4	< 6.3 U	< 6.3 U	12	< 6.3 U	< 6.3 U	< 13 U
4A	FG-SS-1	N	4	< 5.6 U	< 5.6 U	12	< 5.6 U	< 5.6 U	23	< 5.6 U	< 5.6 U	< 11 U
4A	FG-SS-1	N	5	< 5.6 U	< 5.6 U	3.2 J	< 5.6 U	< 5.6 U	5.2 J	< 5.6 U	< 5.6 U	< 11 U
4A	FG-SS-1	N	9	< 7.9 U	< 7.9 U	10	< 7.9 U	< 7.9 U	20	< 7.9 U	< 7.9 U	< 16 U
4A	FG-SS-2	N	0	< 5.5 U	< 5.5 U	1.5 J	< 5.5 U	< 5.5 U	2 J	< 5.5 U	< 5.5 U	< 11 U
4A	FG-SS-2	N	4	< 5.2 U	< 5.2 U	1.2 J	< 5.2 U	< 5.2 U	1.6 J	< 5.2 U	< 5.2 U	< 10 U
4A	FG-SS-2	N	9	< 5.3 U	< 5.3 U	1.3 J	< 5.3 U	< 5.3 U	1.8 J	< 5.3 U	< 5.3 U	< 11 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	tert-Butyl benzene	Tetrachloroethylene	Toluene	t-1,3-Dichloropropylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride	Xylenes (total)
		Residential PRG		390000	480	520000	780	62000	53	426000	79	271000
4A	GM-SS-1	N	0	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 6.5 U	< 13 U
4A	GM-SS-1	N	4	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 5.8 U	< 12 U
4A	GM-SS-1	N	9	< 5.3 U	< 5.3 U	0.64 J	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	GM-SS-2	N	0	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 4.9 U	< 9.8 U
4A	GM-SS-2	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	GM-SS-3	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	GM-SS-3	N	4	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	GM-SS-3	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U
4A	SW-SS-1	N	0	< 6.3 U	< 6.3 U	0.58 J	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 6.3 U	< 13 U
4A	SW-SS-1	N	4	< 5.1 U	< 5.1 U	0.47 J	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U
4A	SW-SS-1	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U
4A	SW-SS-2	N	0	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 11 U
4A	SW-SS-2	N	4	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 5.6 U	< 11 U
4A	SW-SS-2	N	9	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 5.5 U	< 11 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
		Residential PRG		18000	44000	--	6110000	6100	183000	1222000	122000	720	720
4A	AF20	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF20	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF20	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF21	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AF21	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AF21	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF21	FD	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG19	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG19	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG19	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG20	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG20	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 340 U	< 340 U
4A	AG20	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AG21	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG21	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG21	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG22	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AG22	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AG22	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH18	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH18	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH18	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH18	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH19	N	0	< 340 U	< 340 U	< 660 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH19	N	4	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	AH19	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH20	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 340 U	< 340 U
4A	AH20	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AH20	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	AH20	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AH21	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH21	N	4	< 340 U	< 340 U	< 660 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH21	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH22	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 340 U	< 340 U
4A	AH22	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 340 U	< 340 U
4A	AH22	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AI18	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
		Residential PRG		18000	44000	--	6110000	6100	183000	1222000	122000	720	720
4A	AI18	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI18	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI19	N	0	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	AI19	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI19	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI19	FD	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI20	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	AI20	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI20	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI21	N	0	< 350 U	< 350 U	NR	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	AI21	N	4	< 340 U	< 340 U	NR	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AI21	N	9	< 340 U	< 340 U	NR	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 340 U	< 340 U
4A	AI21	FD	0	< 340 U	< 340 U	NR	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 340 U	< 340 U
4A	AI22	N	0	< 340 U	< 340 U	NR	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AI22	N	4	< 340 U	< 340 U	< 500 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	AI22	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	AI23	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI23	N	4	< 340 U	< 340 U	< 410 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI23	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ19	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ21	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AJ21	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ21	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ22	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-1	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-1	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-1	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-2	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
		Residential PRG		18000	44000	--	6110000	6100	183000	1222000	122000	720	720
4A	CP-SS-2	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-2	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-3	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-3	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-3	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-4	N	0	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-4	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-4	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-4	FD	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-5	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-5	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-5	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-6	N	0	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-6	N	4	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-6	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-1	N	0	< 340 U	< 340 U	NR	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	C-SS-1	N	4	< 350 U	< 350 U	NR	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-1	N	9	< 350 U	< 350 U	NR	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-2	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	C-SS-2	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-2	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-2	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-3	N	0	< 350 U	< 350 U	< 500 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-3	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-3	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-3	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-4	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-4	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-4	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-4	FD	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-1	N	0	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	FG-SS-1	N	4	< 360 U	< 360 U	< 330 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1800 U	< 360 U	< 360 U
4A	FG-SS-1	N	5	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-1	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
		Residential PRG		18000	44000	--	6110000	6100	183000	1222000	122000	720	720
4A	FG-SS-2	N	0	< 340 U	< 340 U	< 330 UJ	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	FG-SS-2	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-2	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-1	N	0	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-1	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-1	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-2	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-2	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	0	< 350 U	< 350 U	< 470 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	4	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	9	< 340 U	< 340 U	< 450 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	0	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	4	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	9	< 340 U	< 340 U	< 330 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-2	N	0	< 360 U	< 360 U	< 1400 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 360 U	< 360 U
4A	SW-SS-2	N	4	< 350 U	< 350 U	< 470 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U
4A	SW-SS-2	N	9	< 350 U	< 350 U	< 330 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 350 U	< 350 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol
		Residential PRG		4937000	63000	--	183000	--	1100	--	18000	--	--
4A	AF20	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	AF20	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	AF20	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AF21	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AF21	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AF21	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AF21	FD	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AG19	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AG19	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AG19	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AG20	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AG20	N	4	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AG20	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AG21	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AG21	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AG21	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AG22	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AG22	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AG22	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AH18	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AH18	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	AH18	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AH18	FD	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AH19	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AH19	N	4	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 710 U	< 1700 UJ	< 360 U	< 360 U
4A	AH19	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AH20	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AH20	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AH20	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AH20	FD	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AH21	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AH21	N	4	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AH21	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AH22	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AH22	N	4	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AH22	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AI18	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 670 U	< 1600 UJ	< 340 U	< 340 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol
		Residential PRG		4937000	63000	--	183000	--	1100	--	18000	--	--
4A	AI18	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AI18	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AI19	N	0	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 720 U	< 1700 UJ	< 360 U	< 360 U
4A	AI19	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AI19	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AI19	FD	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AI20	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AI20	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AI20	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AI21	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AI21	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AI21	N	9	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AI21	FD	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AI22	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AI22	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AI22	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AI23	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AI23	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AI23	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ19	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ19	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ19	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AJ19	FD	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ20	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ20	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ20	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ21	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	AJ21	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ21	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	AJ22	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	AJ22	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	AJ22	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	AJ22	FD	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	CP-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-2	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol
		Residential PRG		4937000	63000	--	183000	--	1100	--	18000	--	--
4A	CP-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	CP-SS-2	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	CP-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 710 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-4	N	0	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 710 U	< 1700 UJ	< 360 U	< 360 U
4A	CP-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	CP-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-4	FD	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	CP-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	CP-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	CP-SS-6	N	0	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 720 U	< 1700 UJ	< 360 U	< 360 U
4A	CP-SS-6	N	4	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 710 U	< 1700 UJ	< 360 U	< 360 U
4A	CP-SS-6	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	C-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 1600 UJ	< 680 U	< 1600 UJ	< 340 U	< 340 U
4A	C-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-2	FD	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-3	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-3	FD	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-4	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	C-SS-4	FD	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	C-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	FG-SS-1	N	0	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 710 U	< 1700 UJ	< 360 U	< 360 U
4A	FG-SS-1	N	4	< 360 U	< 360 U	< 360 U	< 1800 U	< 360 U	< 1800 UJ	< 720 U	< 1800 UJ	< 360 U	< 360 U
4A	FG-SS-1	N	5	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	FG-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Methylphenol & 4-Methylphenol	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol
		Residential PRG		4937000	63000	--	183000	--	1100	--	18000	--	--
4A	FG-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	FG-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	FG-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	GM-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	GM-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	GM-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 690 U	< 1700 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 680 U	< 1700 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 1700 UJ	< 690 U	< 1700 UJ	< 340 U	< 340 U
4A	SW-SS-2	N	0	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 1700 UJ	< 710 U	< 1700 UJ	< 360 U	< 360 U
4A	SW-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U
4A	SW-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 1700 UJ	< 700 U	< 1700 UJ	< 350 U	< 350 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate
		Residential PRG		--	--	--	--	85000	4400	--	100000000	18331000	12221000
4A	AF20	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF20	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF20	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF21	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AF21	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AF21	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF21	FD	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG19	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG19	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG19	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG20	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG20	N	4	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AG20	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG21	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG21	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG21	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG22	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG22	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG22	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH18	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH18	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH18	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH18	FD	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH19	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH19	N	4	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	AH19	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH20	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH20	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH20	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH20	FD	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH21	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH21	N	4	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH21	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH22	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH22	N	4	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH22	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI18	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate
		Residential PRG		--	--	--	--	85000	4400	--	100000000	18331000	12221000
4A	AI18	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI18	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI19	N	0	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	AI19	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI19	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI19	FD	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI20	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI20	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI20	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI21	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI21	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI21	N	9	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AI21	FD	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AI22	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI22	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI22	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI23	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI23	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI23	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ19	FD	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ21	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	65 J	< 340 U	< 340 U
4A	AJ21	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ21	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ22	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	FD	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-1	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-1	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-1	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-2	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B3
2007 Parcel 4A Investigation
Semivolatile Organic Compounds (SVOCs) Soil Results

Parcel	Sample ID	Sample Type	Depth	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate
		Residential PRG		--	--	--	--	85000	4400	--	100000000	18331000	12221000
4A	CP-SS-2	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-2	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-3	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-3	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-3	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-4	N	0	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-4	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-4	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-4	FD	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-5	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-5	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-5	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-6	N	0	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-6	N	4	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-6	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-1	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	C-SS-1	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-1	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-2	N	0	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	C-SS-2	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-2	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-2	FD	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-3	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-3	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-3	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-3	FD	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-4	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-4	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-4	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-4	FD	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-1	N	0	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	FG-SS-1	N	4	< 360 U	< 360 U	< 1800 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1800 U	< 360 U	< 360 U
4A	FG-SS-1	N	5	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-1	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitrophenol	Acetophenone	Aniline	Azobenzene	Benzenethiol	Benzoic acid	Benzyl alcohol	Benzyl butyl phthalate
		Residential PRG		--	--	--	--	85000	4400	--	100000000	18331000	12221000
4A	FG-SS-2	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	FG-SS-2	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-2	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-1	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-1	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-1	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-2	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-2	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	0	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	0	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	4	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	9	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-2	N	0	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	SW-SS-2	N	4	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	SW-SS-2	N	9	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) disulfid	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate
		Residential PRG		--	220	2900	35000	--	--	24000	145000	6110000	48882000
4A	AF20	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AF20	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AF20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AF21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AF21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AF21	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AF21	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AG19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AG20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG20	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG21	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AG21	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AG22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AG22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AH18	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH18	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AH18	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH18	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH19	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	AH19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AH20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AH20	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AH22	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI18	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B3
2007 Parcel 4A Investigation
Semivolatile Organic Compounds (SVOCs) Soil Results

Parcel	Sample ID	Sample Type	Depth	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) disulfid	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate
		Residential PRG		--	220	2900	35000	--	--	24000	145000	6110000	48882000
4A	AI18	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI18	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI19	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	AI19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI19	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI20	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI21	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI21	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AI23	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI23	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AI23	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AJ19	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ20	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	AJ22	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AJ22	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AJ22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	AJ22	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	CP-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-2	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) disulfid	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate
		Residential PRG		--	220	2900	35000	--	--	24000	145000	6110000	48882000
4A	CP-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	CP-SS-2	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	CP-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-4	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	CP-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	CP-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-4	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	CP-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	CP-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	CP-SS-6	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	CP-SS-6	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	CP-SS-6	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-2	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-3	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-3	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-4	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	C-SS-4	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	C-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	FG-SS-1	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	FG-SS-1	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	FG-SS-1	N	5	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	FG-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	bis(2-Chloroethoxy) methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) disulfid	bis(p-Chlorophenyl) sulfone	Carbazole	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate
		Residential PRG		--	220	2900	35000	--	--	24000	145000	6110000	48882000
4A	FG-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	FG-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	FG-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	GM-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	GM-SS-1	N	4	< 340 U	< 340 U	< 340 U	79 J	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	GM-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	GM-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	GM-SS-2	N	4	< 350 U	< 350 U	< 350 U	13000	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	GM-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	GM-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	GM-SS-3	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	SW-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	SW-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	SW-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U
4A	SW-SS-2	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U
4A	SW-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U
4A	SW-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclopentadiene	Hexachloroethane	Hydroxymethyl phthalimide
		Residential PRG		100000000	2444000	183300	2294000	2747000	6200	300	365000	35000	--
4A	AF20	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF20	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AF21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AF21	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AF21	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AG20	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG21	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG21	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AG22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AG22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH18	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH18	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH18	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH18	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH19	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	AH19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AH20	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AH22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AH22	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI18	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclopentadiene	Hexachloroethane	Hydroxymethyl phthalimide
		Residential PRG		100000000	2444000	183300	2294000	2747000	6200	300	365000	35000	--
4A	AI18	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI18	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI19	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	AI19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI19	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI20	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI21	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AI21	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AI22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AI23	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI23	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AI23	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ19	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ20	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	AJ21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	AJ22	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	AJ22	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-2	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclopentadiene	Hexachloroethane	Hydroxymethyl phthalimide
		Residential PRG		100000000	2444000	183300	2294000	2747000	6200	300	365000	35000	--
4A	CP-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-2	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-4	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-4	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	CP-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	CP-SS-6	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-6	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	CP-SS-6	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	C-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 340 U	< 340 U
4A	C-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-2	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-3	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-3	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-4	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	C-SS-4	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	C-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-1	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	FG-SS-1	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1800 U	< 360 U	< 360 U
4A	FG-SS-1	N	5	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Dimethyl phthalate	Di-n-octyl phthalate	Diphenyl sulfone	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclopentadiene	Hexachloroethane	Hydroxymethyl phthalimide
		Residential PRG		100000000	2444000	183300	2294000	2747000	6200	300	365000	35000	--
4A	FG-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	FG-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	FG-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	GM-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	GM-SS-3	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 340 U	< 340 U
4A	SW-SS-2	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 1700 U	< 360 U	< 360 U
4A	SW-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U
4A	SW-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 350 U	< 350 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Isophorone	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene	p-Chloroaniline	p-Chlorothiophenol	Pentachlorobenzene
		Residential PRG		512000	56000	20000	69	99000	3055000	--	244000	--	49000
4A	AF20	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AF20	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AF20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AF21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AF21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AF21	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AF21	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AG19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AG20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG20	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG21	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AG21	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AG22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AG22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AH18	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH18	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AH18	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH18	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH19	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	AH19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AH20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AH20	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AH22	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI18	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Isophorone	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene	p-Chloroaniline	p-Chlorothiophenol	Pentachlorobenzene
		Residential PRG		512000	56000	20000	69	99000	3055000	--	244000	--	49000
4A	AI18	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI18	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI19	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	AI19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI19	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI20	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI20	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI21	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI21	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI22	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI22	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AI23	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI23	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AI23	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ19	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ19	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ19	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AJ19	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ20	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ20	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ20	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ21	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ21	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ21	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	AJ22	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AJ22	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AJ22	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	AJ22	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	CP-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-2	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Isophorone	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene	p-Chloroaniline	p-Chlorothiophenol	Pentachlorobenzene
		Residential PRG		512000	56000	20000	69	99000	3055000	--	244000	--	49000
4A	CP-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	CP-SS-2	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	CP-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-4	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	CP-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	CP-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-4	FD	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	CP-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	CP-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	CP-SS-6	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	CP-SS-6	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	CP-SS-6	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-1	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-2	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-2	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-3	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-3	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-3	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-4	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-4	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-4	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	C-SS-4	FD	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-5	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-5	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	C-SS-5	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	FG-SS-1	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	FG-SS-1	N	4	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	FG-SS-1	N	5	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	FG-SS-1	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Isophorone	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	N-nitrosodiphenylamine	o-Cresol	Octachlorostyrene	p-Chloroaniline	p-Chlorothiophenol	Pentachlorobenzene
		Residential PRG		512000	56000	20000	69	99000	3055000	--	244000	--	49000
4A	FG-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	FG-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	FG-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	GM-SS-1	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	GM-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	GM-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	GM-SS-2	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	GM-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	0	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	GM-SS-3	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	0	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	4	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	SW-SS-1	N	9	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 U	< 340 UJ	< 340 U	< 340 U
4A	SW-SS-2	N	0	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 U	< 360 UJ	< 360 U	< 360 U
4A	SW-SS-2	N	4	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U
4A	SW-SS-2	N	9	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 U	< 350 UJ	< 350 U	< 350 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
		Residential PRG		3000	18331000	--	--	61103000	23000	61000
4A	AF20	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 710 U
4A	AF20	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 710 U
4A	AF20	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 690 U
4A	AF21	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	AF21	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AF21	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 690 U
4A	AF21	FD	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 690 U
4A	AG19	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	AG19	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AG19	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AG20	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	AG20	N	4	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AG20	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AG21	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AG21	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 700 U
4A	AG21	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 700 U
4A	AG22	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AG22	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AG22	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH18	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH18	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 710 U
4A	AH18	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH18	FD	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AH19	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH19	N	4	< 1700 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 1700 U	< 710 U
4A	AH19	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	AH20	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AH20	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH20	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH20	FD	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AH21	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 1600 U	< 680 U
4A	AH21	N	4	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 1600 U	< 680 U
4A	AH21	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	AH22	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AH22	N	4	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AH22	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	AI18	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 670 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
		Residential PRG		3000	18331000	--	--	61103000	23000	61000
4A	AI18	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI18	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	AI19	N	0	< 1700 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 1700 U	< 720 U
4A	AI19	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI19	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	AI19	FD	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	AI20	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI20	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI20	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI21	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI21	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI21	N	9	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AI21	FD	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	AI22	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	AI22	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	AI22	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI23	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	AI23	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AI23	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AJ19	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AJ19	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	AJ19	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 690 U
4A	AJ19	FD	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AJ20	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	AJ20	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	AJ20	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	AJ21	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 U	< 1600 U	< 680 U
4A	AJ21	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AJ21	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	AJ22	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 710 U
4A	AJ22	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	AJ22	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	AJ22	FD	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	CP-SS-1	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 710 U
4A	CP-SS-1	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 710 U
4A	CP-SS-1	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	CP-SS-2	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
		Residential PRG		3000	18331000	--	--	61103000	23000	61000
4A	CP-SS-2	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	CP-SS-2	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	CP-SS-3	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 710 U
4A	CP-SS-3	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	CP-SS-3	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	CP-SS-4	N	0	< 1700 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 1700 U	< 710 U
4A	CP-SS-4	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	CP-SS-4	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	CP-SS-4	FD	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	CP-SS-5	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 680 U
4A	CP-SS-5	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	CP-SS-5	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 690 U
4A	CP-SS-6	N	0	< 1700 U	< 360 U	< 360 U	< 360 U	3000 J	< 1700 U	< 720 U
4A	CP-SS-6	N	4	< 1700 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 1700 U	< 710 U
4A	CP-SS-6	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	C-SS-1	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	C-SS-1	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	C-SS-1	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	C-SS-2	N	0	< 1600 U	< 340 U	< 340 U	< 340 U	< 1600 UJ	< 1600 U	< 680 U
4A	C-SS-2	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-2	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-2	FD	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	C-SS-3	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-3	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-3	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-3	FD	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-4	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-4	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-4	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-4	FD	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	C-SS-5	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	C-SS-5	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	C-SS-5	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	FG-SS-1	N	0	< 1700 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 1700 U	< 710 U
4A	FG-SS-1	N	4	< 1800 U	< 360 U	< 360 U	< 360 U	< 1800 UJ	< 1800 U	< 720 U
4A	FG-SS-1	N	5	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	FG-SS-1	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Pentachlorophenol	Phenol	Phenyl Disulfide	Phenyl Sulfide	Phthalic acid	p-Nitroaniline	Pyridine
		Residential PRG		3000	18331000	--	--	61103000	23000	61000
4A	FG-SS-2	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	FG-SS-2	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	FG-SS-2	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	GM-SS-1	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 U	< 1700 U	< 690 U
4A	GM-SS-1	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	GM-SS-1	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 U	< 1700 U	< 690 U
4A	GM-SS-2	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	GM-SS-2	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	GM-SS-3	N	0	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	GM-SS-3	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 690 U
4A	GM-SS-3	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	SW-SS-1	N	0	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 680 U
4A	SW-SS-1	N	4	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	SW-SS-1	N	9	< 1700 U	< 340 U	< 340 U	< 340 U	< 1700 UJ	< 1700 U	< 690 U
4A	SW-SS-2	N	0	< 1700 U	< 360 U	< 360 U	< 360 U	< 1700 UJ	< 1700 U	< 710 U
4A	SW-SS-2	N	4	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U
4A	SW-SS-2	N	9	< 1700 U	< 350 U	< 350 U	< 350 U	< 1700 UJ	< 1700 U	< 700 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
		Residential PRG		3682000	--	21896000	620	62	620	--	6200	62000	62	620	--	2316000
4A	AF20	N	0	< 54 UJ	< 110 UJ	< 32 UJ	< 16 UJ	< 16 UJ	< 16 UJ	< 32 UJ	< 16 UJ	< 16 UJ	< 32 UJ	< 16 UJ	< 32 UJ	< 32 UJ
4A	AF20	N	4	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AF20	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AF21	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AF21	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AF21	N	9	< 52 UJ	< 100 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 31 UJ	< 31 UJ
4A	AF21	FD	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG19	N	0	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AG19	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG19	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG20	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG20	N	4	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AG20	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG21	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG21	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AG21	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AG22	N	0	< 260 U	< 340 U	< 160 U	< 78 U	< 78 U	< 78 U	< 160 U	< 78 U	< 78 U	< 160 U	< 78 U	< 160 U	< 160 U
4A	AG22	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AG22	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AH18	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AH18	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AH18	N	9	< 52 UJ	< 100 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 31 UJ	< 31 UJ
4A	AH18	FD	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AH19	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AH19	N	4	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AH19	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AH20	N	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AH20	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AH20	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AH20	FD	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AH21	N	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AH21	N	4	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AH21	N	9	< 52 UJ	< 100 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 31 UJ	< 31 UJ
4A	AH22	N	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AH22	N	4	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AH22	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI18	N	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AI18	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	**Sample ID**	**Sample Type**	**Depth**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perylene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenzo(a,h)anthracene**	**Indeno(1,2,3-cd)pyrene**	**Phenanthrene**	**Pyrene**
		Residential PRG		3682000	--	21896000	620	62	620	--	6200	62000	62	620	--	2316000
4A	AI18	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AI19	N	0	< 54 U	< 110 U	< 33 U	< 16 U	< 16 U	< 16 U	< 33 U	< 16 U	< 16 U	< 33 U	< 16 U	< 33 U	< 33 U
4A	AI19	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI19	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AI19	FD	0	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AI20	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI20	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI20	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AI21	N	0	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AI21	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI21	N	9	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AI21	FD	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AI22	N	0	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AI22	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI22	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AI23	N	0	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AI23	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AI23	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ19	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ19	N	4	< 52 UJ	< 100 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 31 UJ	< 31 UJ
4A	AJ19	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ19	FD	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ20	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ20	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ20	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ21	N	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AJ21	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ21	N	9	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	AJ22	N	0	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AJ22	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	AJ22	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	AJ22	FD	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	CP-SS-1	N	0	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-1	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-1	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-2	N	0	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-2	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	CP-SS-2	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
		Residential PRG		3682000	--	21896000	620	62	620	--	6200	62000	62	620	--	2316000
4A	CP-SS-3	N	0	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-3	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-3	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-4	N	0	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-4	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	CP-SS-4	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-4	FD	0	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-5	N	0	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	CP-SS-5	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	CP-SS-5	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-6	N	0	< 54 U	< 110 U	< 33 U	< 16 U	< 16 U	< 16 U	< 33 U	< 16 U	< 16 U	< 33 U	< 16 U	< 33 U	< 33 U
4A	CP-SS-6	N	4	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	CP-SS-6	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	C-SS-1	N	0	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	C-SS-1	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	C-SS-1	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	C-SS-2	N	0	< 51 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	C-SS-2	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-2	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-2	FD	0	< 52 U	< 100 U	< 31 U	< 15 U	< 15 U	< 15 U	< 31 U	< 15 U	< 15 U	< 31 U	< 15 U	< 31 U	< 31 U
4A	C-SS-3	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-3	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-3	N	9	< 52 UJ	< 100 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 16 UJ	< 31 UJ	< 16 UJ	< 31 UJ	< 31 UJ
4A	C-SS-3	FD	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-4	N	0	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	C-SS-4	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-4	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	C-SS-4	FD	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-5	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-5	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	C-SS-5	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	FG-SS-1	N	0	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	FG-SS-1	N	4	< 55 U	< 110 U	< 33 U	< 16 U	< 16 U	< 16 U	< 33 U	< 16 U	< 16 U	< 33 U	< 16 U	< 33 U	< 33 U
4A	FG-SS-1	N	5	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	FG-SS-1	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	FG-SS-2	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	FG-SS-2	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	FG-SS-2	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B4
2007 Parcel 4A Investigation
Polynuclear Aromatic Hydrocarbons (PAHs) Soil Results

Parcel	Sample ID	Sample Type	Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
		Residential PRG		3682000	--	21896000	620	62	620	--	6200	62000	62	620	--	2316000
4A	GM-SS-1	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-1	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-1	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-2	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-2	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-3	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-3	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	GM-SS-3	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	SW-SS-1	N	0	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	SW-SS-1	N	4	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	SW-SS-1	N	9	< 52 U	< 100 U	< 31 U	< 16 U	< 16 U	< 16 U	< 31 U	< 16 U	< 16 U	< 31 U	< 16 U	< 31 U	< 31 U
4A	SW-SS-2	N	0	< 54 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	SW-SS-2	N	4	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U
4A	SW-SS-2	N	9	< 53 U	< 110 U	< 32 U	< 16 U	< 16 U	< 16 U	< 32 U	< 16 U	< 16 U	< 32 U	< 16 U	< 32 U	< 32 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
		Residential PRG		--	--	2400	1700	1700	29	90	1600	320	1600	--	30
4A	AF20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AF20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AF20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AF21	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AF21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AF21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AF21	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG19	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG21	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	2.1	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG22	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AG22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH18	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH18	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH18	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH18	FD	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 UJ	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AH19	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	2.6	< 1.8 U	< 1.8 U	< 1.8 U	11	< 18 U	< 1.8 U	< 1.8 U
4A	AH19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH20	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AH20	N	4	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 180 U	< 18 U	< 18 U
4A	AH20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH20	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	1.8	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH21	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AH21	N	4	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AH21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AH22	N	4	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AH22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI18	N	0	< 1.7 U	< 1.7 U	< 1.7 U	4.5	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	25	< 17 U	< 1.7 U	< 1.7 U
4A	AI18	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
		Residential PRG		--	--	2400	1700	1700	29	90	1600	320	1600	--	30
4A	AI18	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI19	N	0	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 19 U	< 1.9 U	< 1.9 U
4A	AI19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI19	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI21	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI21	FD	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AI22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI22	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI23	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI23	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AI23	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ19	N	0	< 1.8 U	< 1.8 U	< 1.8 U	2.1	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	8.1 J	< 18 U	< 1.8 U	< 1.8 U
4A	AJ19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ19	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 18 U	< 1.8 U	< 1.8 U
4A	AJ20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ21	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	AJ21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ22	N	0	< 1.8 U	2.2	< 1.8 U	3.7 J	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ22	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	AJ22	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	1.9 J	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-1	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-1	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	2.5	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	2.3	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Table B5
2007 Parcel 4A Investigation
Organochlorine Pesticides Soil Results

Parcel	Sample ID	Sample Type	Depth	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
		Residential PRG		--	--	2400	1700	1700	29	90	1600	320	1600	--	30
4A	CP-SS-3	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	3.4	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-3	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	3.1	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-3	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-4	N	0	< 1.8 U	< 1.8 U	< 1.8 U	9.1	3.5 J	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-4	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-4	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-4	FD	0	< 1.8 U	2.2	< 1.8 U	5.6	2 J	< 1.8 U	< 1.8 U	< 1.8 U	2.7	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-5	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-5	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-5	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-6	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-6	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	CP-SS-6	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-1	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-1	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	3.5	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-2	N	0	< 1.7 U	< 1.7 U	< 1.7 U	1.9	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 17 U	< 1.7 U	< 1.7 U
4A	C-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	5.6	2.4 J	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-2	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-3	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-3	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-3	N	9	< 1.8 U	< 1.8 U	< 1.8 U	2	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-3	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-4	N	0	< 1.8 U	< 1.8 U	< 1.8 U	14	5.5	< 1.8 U	< 1.8 U	3 J	< 1.8 U	23	< 1.8 U	< 1.8 U
4A	C-SS-4	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-4	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-4	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	11	6.7	< 1.8 U	< 1.8 U	2.6 J	3	20	< 1.8 U	< 1.8 U
4A	C-SS-5	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-5	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	C-SS-5	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	FG-SS-1	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	FG-SS-1	N	4	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 19 U	< 1.9 U	< 1.9 U
4A	FG-SS-1	N	5	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	FG-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	1.9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	FG-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	FG-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	FG-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	1.8	< 18 U	< 1.8 U	< 1.8 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin
		Residential PRG		--	--	2400	1700	1700	29	90	1600	320	1600	--	30
4A	GM-SS-1	N	0	< 1.8 U	4	< 1.8 U	7.6	3.5	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-1	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-3	N	0	< 1.8 U	< 1.8 U	< 1.8 U	2.5	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	1.8	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-3	N	4	< 1.8 U	< 1.8 U	< 1.8 U	2.5	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	GM-SS-3	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	SW-SS-1	N	0	< 1.8 UJ	7.5 J-	< 1.8 UJ	18 J-	4.4 J-	< 1.8 UJ	< 1.8 UJ	3.2 J-	2.5 J-	< 18 UJ	< 1.8 UJ	1.8 J-
4A	SW-SS-1	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	SW-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	SW-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	2.4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	SW-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U
4A	SW-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 18 U	< 1.8 U	< 1.8 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
		Residential PRG		367000	367000	--	18000	--	--	1600	110	53	440	306000	440
4A	AF20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	AF20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	AF20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AF21	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AF21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AF21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AF21	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AG19	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 69 U
4A	AG19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 70 U
4A	AG19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 70 U
4A	AG20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AG20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AG20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AG21	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AG21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	AG21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	AG22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AG22	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AG22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AH18	N	0	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 70 UJ
4A	AH18	N	4	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 72 UJ
4A	AH18	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AH18	FD	0	< 1.7 U	< 1.7 UJ	< 1.7 UJ	< 1.7 U	< 1.7 UJ	< 1.7 UJ	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 UJ	< 69 UJ
4A	AH19	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AH19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.6 U	< 72 U
4A	AH19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	AH20	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	AH20	N	4	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	< 34 U	< 700 U
4A	AH20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AH20	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AH21	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	AH21	N	4	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	AH21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AH22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AH22	N	4	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	AH22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AI18	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 68 U
4A	AI18	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
		Residential PRG		367000	367000	--	18000	--	--	1600	110	53	440	306000	440
4A	AI18	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	AI19	N	0	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.6 U	< 73 U
4A	AI19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AI19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	AI19	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	AI20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AI20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 70 U
4A	AI20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 71 U
4A	AI21	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AI21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AI21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AI21	FD	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	AI22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AI22	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AI22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AI23	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AI23	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AI23	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AJ19	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AJ19	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AJ19	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AJ19	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AJ20	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 69 U
4A	AJ20	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 70 U
4A	AJ20	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 70 U
4A	AJ21	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	AJ21	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	AJ21	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	AJ22	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	AJ22	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	AJ22	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	AJ22	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	CP-SS-1	N	0	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 72 UJ
4A	CP-SS-1	N	4	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 72 UJ
4A	CP-SS-1	N	9	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 71 UJ
4A	CP-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	CP-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	CP-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
		Residential PRG		367000	367000	--	18000	--	--	1600	110	53	440	306000	440
4A	CP-SS-3	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	CP-SS-3	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	CP-SS-3	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	CP-SS-4	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.6 U	< 72 U
4A	CP-SS-4	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	CP-SS-4	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	CP-SS-4	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 72 U
4A	CP-SS-5	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	CP-SS-5	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	CP-SS-5	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	CP-SS-6	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.6 U	< 73 U
4A	CP-SS-6	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.6 U	< 72 U
4A	CP-SS-6	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	C-SS-1	N	0	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 69 UJ
4A	C-SS-1	N	4	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 71 UJ
4A	C-SS-1	N	9	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 UJ	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 UJ	< 71 UJ
4A	C-SS-2	N	0	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 3.4 U	< 69 U
4A	C-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 UJ	< 70 U
4A	C-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	C-SS-2	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	C-SS-3	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	C-SS-3	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	C-SS-3	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	C-SS-3	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	C-SS-4	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	3.7	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	C-SS-4	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	C-SS-4	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	C-SS-4	FD	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	3.3	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	C-SS-5	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	C-SS-5	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	C-SS-5	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	FG-SS-1	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.6 U	< 72 U
4A	FG-SS-1	N	4	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.6 U	< 73 U
4A	FG-SS-1	N	5	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	FG-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	FG-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	FG-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	FG-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U

All results are in ug/kg.

BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
		Residential PRG		367000	367000	--	18000	--	--	1600	110	53	440	306000	440
4A	GM-SS-1	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	GM-SS-1	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	GM-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	GM-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	GM-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	GM-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 69 U
4A	GM-SS-3	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	GM-SS-3	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 70 U
4A	GM-SS-3	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	SW-SS-1	N	0	< 1.8 UJ	< 1.8 UJ	< 1.8 UJ	< 1.8 UJ	< 1.8 UJ	< 1.8 UJ	4.6 J-	< 1.8 UJ	< 1.8 UJ	< 1.8 UJ	< 3.4 UJ	< 70 UJ
4A	SW-SS-1	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	SW-SS-1	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.4 U	< 70 U
4A	SW-SS-2	N	0	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.6 U	< 72 U
4A	SW-SS-2	N	4	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U
4A	SW-SS-2	N	9	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3.5 U	< 71 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in ug/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	TPH as Gasoline	Oil/Grease	Mineral Spirits	TPH as Diesel
		Residential PRG		--	--	--	--
4A	AF20	N	0	< 0.11 U	< 215 U	< 27 UJ	< 27 UJ
4A	AF21	N	0	< 0.1 UJ	< 208 U	< 26 U	< 26 U
4A	AG19	N	0	< 0.1 U	< 206 U	< 26 U	< 26 U
4A	AG20	N	0	< 0.1 U	< 208 U	< 26 U	< 26 U
4A	AG21	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	AG22	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	AH18	N	0	< 0.1 U	< 208 U	< 26 U	< 26 U
4A	AH19	N	0	< 0.1 U	< 208 U	< 26 U	< 26 U
4A	AH20	N	0	< 0.1 U	< 206 U	< 260 U	< 260 U
4A	AH21	N	0	< 0.1 U	< 205 U	< 26 UJ	< 26 UJ
4A	AH22	N	0	< 0.1 U	< 206 U	< 26 U	< 26 U
4A	AI18	N	0	< 0.1 U	< 204 U	< 26 U	< 26 U
4A	AI19	N	0	< 0.11 U	< 218 U	< 27 U	< 27 U
4A	AI20	N	0	< 0.1 UJ	< 210 U	< 26 U	< 26 U
4A	AI21	N	0	< 0.11 U	< 210 U	< 26 UJ	< 26 UJ
4A	AI22	N	0	< 0.1 U	< 206 U	< 26 U	< 26 U
4A	AI23	N	0	< 26 U	< 206 U	< 26 U	< 26 U
4A	AJ19	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	AJ20	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	AJ21	N	0	< 0.1 UJ	< 205 U	< 26 UJ	< 26 UJ
4A	AJ22	N	0	< 0.11 U	< 214 U	< 27 U	< 27 U
4A	CP-SS-1	N	0	< 0.11 U	< 215 U	< 27 U	< 27 U
4A	CP-SS-2	N	0	< 0.11 U	< 213 U	< 27 U	< 27 U
4A	CP-SS-3	N	0	< 0.11 U	< 215 U	< 27 U	< 27 U
4A	CP-SS-4	N	0	< 0.11 U	< 216 U	< 27 U	< 27 U
4A	CP-SS-5	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	CP-SS-6	N	0	< 0.11 U	< 217 U	< 27 U	< 27 U
4A	C-SS-1	N	0	< 0.1 U	< 206 U	< 26 U	< 26 U
4A	C-SS-2	N	0	< 0.1 U	< 205 U	< 26 U	< 26 U
4A	C-SS-3	N	0	< 0.1 U	< 210 U	< 26 U	< 26 U
4A	C-SS-4	N	0	< 0.11 U	< 210 U	< 26 U	< 26 U
4A	C-SS-5	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	FG-SS-1	N	0	< 0.11 U	< 216 U	< 27 U	< 27 U
4A	FG-SS-2	N	0	< 0.1 U	< 209 U	< 26 U	< 26 U
4A	GM-SS-1	N	0	< 0.1 U	< 210 U	< 26 U	< 26 U
4A	GM-SS-2	N	0	< 0.1 U	< 207 U	< 26 U	< 26 U
4A	GM-SS-3	N	0	< 0.1 UJ	< 209 U	< 26 U	< 26 U
4A	SW-SS-1	N	0	< 0.1 U	< 208 U	< 26 U	< 26 U
4A	SW-SS-2	N	0	< 0.11 UJ	< 215 U	< 27 U	< 27 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in mg/kg.
BOLD typeface indicates a result that exceeds the residential soil PRG.

Parcel	Sample ID	Sample Type	Depth	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF
	ATSDR Screening Value			--	--	--	--	--	--	--	--	--
4A	AF20	0	N	13 J	5.3 J	< 2.4 UJ	< 2 UJ	< 1.4 UJ	< 1.8 UJ	< 1.3 UJ	< 1.8 UJ	< 1.7 UJ
4A	AF21	0	N	1700	610	47	9.7	60	75	26	29	< 0.57 U
4A	AF21-C	0	FD	36	17	3.7 J	0.80 J	6.1	2.0 J	3.8 J	1.9 J	0.57 J
4A	AF21-C	0	N	35	18	4.0 J	0.72 J	5.8	2.2 J	3.9 J	1.7 J	0.39 J
4A	AF21-C	1	N	0.94 J	< 0.66 U	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	0.13 J	< 5.3 U	< 5.3 U
4A	AF21-NE	0	N	30	24	6.0	0.73 J	9.6	1.6 J	6.0	1.3 J	0.84 J
4A	AF21-NE	1	N	0.68 J	1.7 J	0.37 J	< 5.2 U	< 0.44 U	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U
4A	AF21-NW	0	N	140	33	7.7	1.1 J	12	5.4	7.5	3.8 J	1.2 J
4A	AF21-NW	1	N	1.7 J	1.5 J	0.39 J	< 5.2 U	< 0.75 U	0.23 J	0.45 J	< 5.2 U	< 5.2 U
4A	AF21-SE	0	N	14000	880	98	45	38	260	89	140	1.7 J
4A	AF21-SE	1	N	210	14	2.7 J	0.82 J	5.1 J	6.8	3.4 J	3.5 J	< 5.3 U
4A	AF21-SW	0	N	85	17	2.9 J	0.84 J	5.0 J	3.0 J	3.3 J	2.5 J	0.21 J
4A	AF21-SW	1	N	10 J	4.7 J	0.87 J	< 5.3 UJ	< 1.8 UJ	< 5.3 UJ	0.98 J	< 5.3 UJ	< 5.3 UJ
4A	AG19	0	N	< 0.87 U	< 0.67 U	< 0.8 U	< 0.45 U	< 0.32 U	< 0.43 U	< 0.3 U	< 0.41 U	< 0.36 U
4A	AG20	0	N	180	100	9.2	3.8	19	26	7.3	7.2	< 0.7 U
4A	AG21	0	N	14	9	< 2.5 U	< 1 U	3.2	< 0.94 U	< 2.3 U	< 0.95 U	< 0.9 U
4A	AG22	0	N	50	27	4.5	< 0.57 U	5	4.1	3.6	< 1.7 U	< 0.35 U
4A	AH18	0	N	< 2.4 U	< 0.47 U	< 0.52 U	< 0.65 U	< 0.34 U	< 0.58 U	< 0.31 U	< 0.59 U	< 0.42 U
4A	AH19	0	N	5.6	30	10	< 0.59 U	12	< 1.5 U	7.3	< 1.3 U	< 1.1 U
4A	AH20	0	N	250	130	13	5.5	24	35	9.6	9.2	< 1 U
4A	AH21	0	N	110	38	3.8	< 0.79 U	3.9	5.2	< 1.3 U	< 1.7 U	< 0.43 U
4A	AH22	0	N	9.4	2.9	< 0.54 U	< 0.62 U	< 0.56 U	< 0.56 U	< 0.32 U	< 0.56 U	< 0.42 U
4A	AI18	0	N	< 0.56 U	< 0.74 U	< 0.25 U	< 0.27 U	< 0.29 U	< 0.26 U	< 0.21 U	< 0.25 U	< 0.17 U
4A	AI19	0	N	280 J	68 J	4.4 J	< 1.1 UJ	2.7 J	3 J	< 1.3 UJ	< 1.5 UJ	< 0.83 UJ
4A	AI20	0	N	< 1.7 U	< 0.52 U	< 0.45 U	< 0.45 U	< 0.24 U	< 0.4 U	< 0.22 U	< 0.41 U	< 0.29 U
4A	AI21	0	N	< 0.96 U	< 0.67 U	< 0.79 U	< 0.7 U	< 0.44 U	< 0.64 U	< 0.4 U	< 0.64 U	< 0.54 U
4A	AI22	0	N	13	5.9	< 0.53 U	< 0.52 U	< 1 U	< 1.5 U	< 0.6 U	< 0.59 U	< 0.39 U
4A	AI23	0	N	13	5.2	< 0.66 U	< 0.48 U	< 0.4 U	< 0.63 U	< 0.32 U	< 0.44 U	< 0.43 U
4A	AJ19	0	N	9.4	< 2.2 U	< 0.86 U	< 0.7 U	< 0.63 U	< 0.67 U	< 0.39 U	< 0.64 U	< 0.48 U
4A	AJ20	0	N	7.9	52	23	< 1 U	23	< 1.7 U	15	< 1.9 U	3
4A	AJ21	0	N	< 0.75 U	< 0.44 U	< 0.51 U	< 0.74 U	< 0.42 U	< 0.67 U	< 0.39 U	< 0.67 U	< 0.51 U
4A	AJ22	0	N	< 0.91 U	< 0.59 U	< 0.71 U	< 0.49 U	< 0.32 U	< 0.47 U	< 0.29 U	< 0.45 U	< 0.35 U
4A	CP-SS-1	0	N	8.5	< 1.9 U	< 0.55 U	< 0.87 U	< 0.4 U	< 0.78 U	< 0.37 U	< 0.78 U	< 0.49 U
4A	CP-SS-2	0	N	< 1.9 U	14	< 2.5 U	< 1 U	6.3	< 0.91 U	4.2	< 0.91 U	< 0.89 U
4A	CP-SS-3	0	N	< 1.3 U	7.8	2.8	< 0.27 U	3.1	< 0.34 U	< 2.2 U	< 0.42 U	< 0.39 U
4A	CP-SS-4	0	N	17	64	19	< 1.3 U	21	2.9	14	< 2.4 U	< 2 U

All results are in pg/g.
BOLD typeface indicates a result that exceeds the ATSDR screening value.

Parcel	Sample ID	Sample Type	Depth	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF
ATSDR Screening Value				--	--	--	--	--	--	--	--	--
4A	CP-SS-5	0	N	56	16	< 1.5 U	< 0.41 U	< 1.3 U	< 1.7 U	< 0.34 U	< 0.68 U	< 0.41 U
4A	CP-SS-6	0	N	< 0.92 UJ	< 0.99 UJ	< 0.72 UJ	< 0.7 UJ	< 0.46 U	< 0.69 UJ	< 0.56 U	< 0.65 UJ	< 0.5 U
4A	C-SS-1	0	N	9.2 J	3.7 J	< 3.4 UJ	< 3.6 UJ	< 2.9 UJ	< 3.2 UJ	< 2.6 UJ	< 3.2 UJ	< 3.5 UJ
4A	C-SS-2	0	N	9.8	9.8	< 2 U	< 0.45 U	3.3	< 0.66 U	< 2 U	< 0.65 U	< 0.39 U
4A	C-SS-3	0	N	19	8.6	< 0.75 U	< 0.62 U	< 1.2 U	< 1.3 U	< 0.69 U	< 0.57 U	< 0.53 U
4A	C-SS-4	0	N	69	62	15	< 1.2 U	16	3.2	13	2.9	< 1.5 U
4A	C-SS-5	0	N	3	6.4	< 2.5 U	< 0.82 U	3.6	< 0.79 U	< 2.2 U	< 0.75 U	< 0.65 U
4A	FG-SS-1	0	N	9.1	< 2.3 U	4.3	4.3	< 0.5 U	3.6	< 0.56 U	< 0.64 U	< 0.7 U
4A	FG-SS-2	0	N	< 0.37 U	< 0.87 U	< 0.3 U	< 0.33 U	< 2.4 U	< 0.32 U	< 0.68 U	< 0.31 U	< 0.22 U
4A	GM-SS-1	0	N	50	89	21	< 1.4 U	26	3.8	20	3	2.6
4A	GM-SS-2	0	N	2.9	< 0.85 U	< 0.74 U	< 0.58 U	< 0.38 U	< 0.56 U	< 0.35 U	< 0.53 U	< 0.42 U
4A	GM-SS-3	0	N	8.6	19	7.9	< 0.51 U	7.9	< 0.98 U	5.5	< 1.1 U	< 1.1 U
4A	SW-SS-1	0	N	17	32	8.9	< 0.66 U	10	< 1.8 U	7.6	< 1.5 U	< 0.77 U
4A	SW-SS-2	0	N	3.4	3.5	< 1.5 U	< 0.55 U	< 1.6 U	< 0.53 U	< 0.73 U	< 0.5 U	< 0.42 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
	Excavated sample location.

All results are in pg/g.
BOLD typeface indicates a result that exceeds the ATSDR screening value.

Table B7
2007 Parcel 4A Investigation
Dioxins/Furans Soil Results

Parcel	Sample ID	Sample Type	Depth	1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDF	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD	OCDF	TCDD TEQ
	ATSDR Screening Value			--	--	--	--	--	--	--	--	50
4A	AF20	0	N	< 2.1 U	< 1.3 U	< 1.5 UJ	< 1.3 U	< 0.84 U	< 0.58 U	82 J	9.9 J	2.6
4A	AF21	0	N	4.8	8.5	15	8.5	0.57	1.7	2400	900	**56**
4A	AF21-C	0	FD	0.43 J	2.3 J	1.2 J	1.4 J	< 1.0 U	2.1	390	44	4.2
4A	AF21-C	0	N	0.59 J	2.5 J	1.2 J	1.6 J	< 1.0 U	2.0	370	44	4.4
4A	AF21-C	1	N	< 5.3 U	< 5.3 U	< 5.3 U	< 5.3 U	< 1.1 U	< 1.1 U	< 13 U	< 3.8 U	6.4
4A	AF21-NE	0	N	0.60 J	3.7 J	1.6 J	2.4 J	< 1.0 U	2.6	290	85	5.5
4A	AF21-NE	1	N	< 5.2 U	< 5.2 U	< 5.2 U	< 5.2 U	< 1.0 U	< 1.0 U	< 6.4 U	32	6.2
4A	AF21-NW	0	N	0.90 J	4.8 J	2.2 J	3.2 J	< 1.0 U	4.5	1100	85	8.8
4A	AF21-NW	1	N	< 5.2 U	0.41 J	0.26 J	0.23 J	< 1.0 U	0.29 J	24	< 4.1 U	4.2
4A	AF21-SE	0	N	20	10	9.9	7.5	3.1	7.0	250000 J	8500	**236**
4A	AF21-SE	1	N	0.50 J	1.7 J	0.87 J	0.95 J	< 1.1 U	2.1	2700	81	6.4
4A	AF21-SW	0	N	0.47 J	1.9 J	1.3 J	1.4 J	< 1.0 U	2.4	770	46	4.7
4A	AF21-SW	1	N	< 5.3 UJ	< 5.3 UJ	0.46 J	< 5.3 UJ	< 1.1 UJ	0.79 J	98 J	< 6.7 UJ	6
4A	AG19	0	N	< 0.8 U	< 0.52 U	< 0.34 U	< 0.53 U	< 0.48 U	< 0.42 U	< 3.3 U	< 1.5 U	0.95 U
4A	AG20	0	N	< 1.5 U	3.3	4.3	3.8	< 0.28 U	0.62	150	47	13
4A	AG21	0	N	< 1.4 U	< 1.1 U	< 0.82 U	< 0.98 U	< 0.62 U	1.2	120	23	2.3
4A	AG22	0	N	< 0.63 U	< 2.2 U	< 0.91 U	< 1.4 U	< 0.27 U	1.5	88	46	3.3
4A	AH18	0	N	< 0.52 U	< 0.34 U	< 0.37 U	< 0.35 U	< 0.28 U	< 0.25 U	< 18 U	< 1.4 U	0.69 U
4A	AH19	0	N	< 0.82 U	8.2	< 1.8 U	4.5	< 0.18 U	7	< 24 U	130	6.6
4A	AH20	0	N	< 2.5 U	4.1	5.9	4.7	< 0.38 U	0.74	230	74	17
4A	AH21	0	N	< 0.75 U	< 0.66 U	< 1.1 U	< 0.71 U	< 0.55 U	< 0.4 U	220	80	3.6
4A	AH22	0	N	< 0.61 U	< 0.47 U	< 0.38 U	< 0.48 U	< 0.3 U	< 0.26 U	73	7.8	0.90
4A	AI18	0	N	< 0.29 U	< 0.2 U	< 0.17 U	< 0.2 U	< 0.16 U	< 0.2 U	< 5.3 U	< 2.4 U	0.38 U
4A	AI19	0	N	< 1.2 UJ	< 0.73 UJ	< 0.82 UJ	< 0.73 UJ	< 0.62 UJ	< 0.49 UJ	2000 J	360 J	5.7
4A	AI20	0	N	< 0.4 U	< 0.27 U	< 0.26 U	< 0.27 U	< 0.21 U	< 0.16 U	< 3.2 U	< 0.64 U	0.51 U
4A	AI21	0	N	< 0.81 U	< 0.54 U	< 0.48 U	< 0.55 U	< 0.39 U	< 0.33 U	< 6.3 U	< 1.3 U	0.97 U
4A	AI22	0	N	< 0.55 U	< 0.45 U	< 0.41 U	< 0.45 U	< 0.32 U	< 0.27 U	< 22 U	6.8	1.0
4A	AI23	0	N	< 0.63 U	< 0.41 U	< 0.39 U	< 0.42 U	< 0.31 U	< 0.26 U	69	9.4	0.95
4A	AJ19	0	N	< 0.99 U	< 0.7 U	< 0.45 U	< 0.72 U	< 0.58 U	< 0.51 U	79 J+	11 J+	1.3
4A	AJ20	0	N	< 1.5 U	18	4.4	9.4	< 0.45 U	12	< 24 UJ	230 J+	13
4A	AJ21	0	N	< 0.84 U	< 0.48 U	< 0.47 U	< 0.48 U	< 0.41 U	< 0.33 U	< 4.3 U	< 1.3 U	0.98 U
4A	AJ22	0	N	< 0.75 U	< 0.51 U	< 0.34 U	< 0.52 U	< 0.47 U	< 0.35 U	< 13 U	< 1.8 U	0.92 U
4A	CP-SS-1	0	N	< 0.53 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.27 U	< 0.23 U	78	< 5 U	0.82
4A	CP-SS-2	0	N	< 0.97 U	5.4	< 1 U	2.8	< 0.44 U	4.1	< 5.8 UJ	39 J	4.2
4A	CP-SS-3	0	N	< 0.32 U	< 2.4 U	< 0.67 U	< 1.3 U	< 0.2 U	1.8	< 7.0 U	30	1.5
4A	CP-SS-4	0	N	< 1.7 U	16	7.3	11	< 0.5 U	13	80	230	15

All results are in pg/g.
BOLD typeface indicates a result that exceeds the ATSDR screening value.

Parcel	Sample ID	Sample Type	Depth	1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDF	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD	OCDF	TCDD TEQ
	ATSDR Screening Value			--	--	--	--	--	--	--	--	50
4A	CP-SS-5	0	N	< 0.77 U	< 0.49 U	< 0.39 U	< 0.5 U	< 0.48 U	< 0.42 U	130 J+	39 J+	1.8
4A	CP-SS-6	0	N	< 0.75 UJ	< 0.53 U	< 0.49 U	< 0.53 U	< 0.42 U	< 0.34 U	< 7.9 UJ	< 2.1 UJ	0.96 U
4A	C-SS-1	0	N	< 5.1 UJ	< 2.7 UJ	< 3.2 UJ	< 2.8 UJ	< 0.83 UJ	< 0.94 UJ	78 J	< 6.5 UJ	5.0
4A	C-SS-2	0	N	< 0.85 U	< 1.3 U	< 0.74 U	< 1.2 U	< 0.51 U	1.4	60 J+	24 J+	1.9
4A	C-SS-3	0	N	< 0.69 U	< 0.41 U	< 0.42 U	< 0.42 U	< 0.3 U	< 0.29 U	< 13 U	6.6	1.2
4A	C-SS-4	0	N	< 1 U	10	5.8	7.3	< 0.55 U	7.7	360	130	11
4A	C-SS-5	0	N	< 1.4 U	< 2.4 U	< 0.72 U	< 1.2 U	< 0.51 U	1.9	< 25 U	25	2.3
4A	FG-SS-1	0	N	3.3	< 0.76 U	< 1 U	< 2.5 U	2.6	< 0.39 U	< 15 UJ	29 J	--
4A	FG-SS-2	0	N	< 0.34 U	3.3	< 0.26 U	2.6	< 0.18 U	6.5	< 1.9 U	< 1.5 U	2.6
4A	GM-SS-1	0	N	< 1.3 U	16	5.5	8.2	< 0.43 U	9.9	140	250	15
4A	GM-SS-2	0	N	< 0.95 U	< 0.62 U	< 0.4 U	< 0.63 U	< 0.37 U	< 0.45 U	< 32 U	< 3.1 U	1.1
4A	GM-SS-3	0	N	< 0.9 U	5.9	< 1.6 U	3.6	< 0.52 U	4.2	76	75	5.2
4A	SW-SS-1	0	N	< 0.77 U	6.2	< 2.3 U	3	< 0.34 U	4.6	180	96	5.5
4A	SW-SS-2	0	N	< 0.94 U	< 0.75 U	< 0.4 U	< 0.69 U	< 0.53 U	0.85	< 33 U	15	1.3

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.
(shaded)	Excavated sample location.

All results are in pg/g.
BOLD typeface indicates a result that exceeds the ATSDR screening value.

Table B8

2007 Parcel 4A Investigation

Asbestos Soil Results

Parcel	Sample ID	Sample Type	Depth	Protocol Structures: Chysotile (Total)	Protocol Structures: Chysotile (Long >10um)	Protocol Structures: Amphibole (Total)	Protocol Structures: Amphibole (Long >10um)	Estimated Asbestos Concentrations (s/g PM10): Total Chrysotile - Mean	Total Chrysotile - 95%UCL	Long Chrysotile - Mean	Long Chrysotile - 95%UCL	Total Amphibole - Mean	Total Amphibole - 95%UCL	Long Amphibole - Mean	Long Amphibole - 95%UCL
		Residential PRG		--	--	--	--	--	--	--	--	--	--	--	--
4A	AF21	0	N	8	3	0	0	2.385E+7	4.698E+7	8.943E+6	2.611E+7	<2.981E+6	<1.100E+7	<2.981E+6	<1.100E+7
4A	AG19	0	N	0	0	0	0	<2.991E+6	<1.104E+7	<2.991E+6	<1.104E+7	<2.991E+6	<1.104E+7	<2.991E+6	<1.104E+7
4A	AG22	0	N	1	0	0	0	2.943E+6	1.639E+7	<2.943E+6	<1.086E+7	<2.943E+6	<1.086E+7	<2.943E+6	<1.086E+7
4A	AH20	0	N	0	0	0	0	<2.931E+6	<1.081E+7	<2.931E+6	<1.081E+7	<2.931E+6	<1.081E+7	<2.931E+6	<1.081E+7
4A	AI21	0	N	1	0	0	0	2.976E+6	1.658E+7	<2.976E+6	<1.098E+7	<2.976E+6	<1.098E+7	<2.976E+6	<1.098E+7
4A	CP-SS-2	0	N	0	0	0	0	<2.996E+6	<1.106E+7	<2.996E+6	<1.106E+7	<2.996E+6	<1.106E+7	<2.996E+6	<1.106E+7
4A	CP-SS-6	0	N	0	0	0	0	<2.974E+6	<1.098E+7	<2.974E+6	<1.098E+7	<2.974E+6	<1.098E+7	<2.974E+6	<1.098E+7
4A	FG-SS-2	0	N	2	1	0	0	5.898E+6	2.129E+7	2.949E+6	1.643E+7	<2.949E+6	<1.088E+7	<2.949E+6	<1.088E+7
4A	GM-SS-1	0	N	0	0	0	0	<2.976E+6	<1.098E+7	<2.976E+6	<1.098E+7	<2.976E+6	<1.098E+7	<2.976E+6	<1.098E+7
4A	GM-SS-3	0	N	1	1	0	0	2.993E+6	1.667E+7	2.993E+6	1.667E+7	<2.993E+6	<1.105E+7	<2.993E+6	<1.105E+7
4A	SW-SS-1	0	N	0	0	0	0	<2.946E+6	<1.187E+7	<2.946E+6	<1.187E+7	<2.946E+6	<1.187E+7	<2.946E+6	<1.187E+7
4A	SW-SS-2	0	N	0	0	0	0	<2.991E+6	<1.104E+7	<2.991E+6	<1.104E+7	<2.991E+6	<1.104E+7	<2.991E+6	<1.104E+7

Parcel	Sample ID	Sample Type	Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane
EPA Soil Vapor Generic Screening Level[a]				200000	3.1	14	60000	25000	13500	600	0.70	16500	11.5
4A	SV-AH18	N	10	< 2 U	< 2 U	< 2 U	0.98 J	10	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U
4A	SV-AI18	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U
4A	SV-CP-SS-1	FD	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U
4A	SV-CP-SS-1	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U
4A	SV-CP-SS-2	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	1.6 J	< 2 U	< 2 U	< 2 U
4A	SV-CP-SS-3	N	10	< 2 U	< 2 U	< 2 U	< 2 U	3.2	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U
4A	SV-CP-SS-4	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	1.4 J	< 2 U	< 2 U	< 2 U
4A	SV-CP-SS-6	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U
4A	SV-C-SS-1	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 5 U	< 3 U	< 2 U	< 2 U	< 2 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.
[a]Screening levels are from USEPA 2002a, Table 3c, and an attenuation factor of $2x10^{-3}$.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.

All results are in ppbv.
BOLD typeface indicates a result that exceeds the EPA generic soil vapor screening level (attenuation factor = 0.002).

Parcel	Sample ID	Sample Type	Depth	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethan	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	4-Ethyltoluene	Acetone	Benzene	Benzyl chloride	Bromodichloromethane
EPA Soil Vapor Generic Screening Level[a]				435	--	600	8500	65000	--	75000	49	4.9	10.5
4A	SV-AH18	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	0.70 J	100	0.97 J	< 25 UJ	< 2 U
4A	SV-AI18	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	0.76 J	89	< 2 U	< 25 UJ	< 2 U
4A	SV-CP-SS-1	FD	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	1.1 J	53	1.3 J	< 25 UJ	< 2 U
4A	SV-CP-SS-1	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	1.0 J	53	1.2 J	< 25 UJ	< 2 U
4A	SV-CP-SS-2	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	1.2 J	63	0.95 J	< 25 UJ	< 2 U
4A	SV-CP-SS-3	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	0.76 J	150	0.86 J	< 25 UJ	< 2 U
4A	SV-CP-SS-4	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	1.3 J	180	0.82 J	< 25 UJ	< 2 U
4A	SV-CP-SS-6	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	< 2 U	35	< 2 U	< 25 UJ	< 2 U
4A	SV-C-SS-1	N	10	< 2 U	< 2 U	< 3 U	< 2 U	< 2 U	0.85 J	160	2.1	< 25 UJ	< 2 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.
[a]Screening levels are from USEPA 2002a, Table 3c, and an attenuation factor of $2x10^{-3}$.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.

All results are in ppbv.
BOLD typeface indicates a result that exceeds the EPA generic soil vapor screening level (attenuation factor = 0.002).

Parcel	Sample ID	Sample Type	Depth	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropylene
EPA Soil Vapor Generic Screening Level[a]				650	110000	13	6500	6.0	1900000	11	600	4400	--
4A	SV-AH18	N	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	**24**	< 4 UJ	< 2 U	< 2 U
4A	SV-AI18	N	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	7.0	< 4 U	< 2 U	< 2 U
4A	SV-CP-SS-1	FD	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 4 U	< 2 U	< 2 U
4A	SV-CP-SS-1	N	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 4 U	< 2 U	< 2 U
4A	SV-CP-SS-2	N	10	< 2 U	3.1 J	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 4 U	< 2 U	< 2 U
4A	SV-CP-SS-3	N	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	7.5	< 4 U	< 2 U	< 2 U
4A	SV-CP-SS-4	N	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	1.6 J	< 4 U	< 2 U	< 2 U
4A	SV-CP-SS-6	N	10	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 4 UJ	< 2 U	< 2 U
4A	SV-C-SS-1	N	10	< 2 U	3.0 J	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 4 UJ	< 2 U	< 2 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.
[a]Screening levels are from USEPA 2002a, Table 3c, and an attenuation factor of 2×10^{-3}.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.

All results are in ppbv.
BOLD typeface indicates a result that exceeds the EPA generic soil vapor screening level (attenuation factor = 0.002).

Parcel	Sample ID	Sample Type	Depth	Dichloromethane	Ethylbenzene	Freon 11	Freon 113	Freon 12	Hexachloro-1,3-butadiene	m,p-Xylene	Methyl ethyl ketone	Methyl isobutyl ketone	Methyl n-butyl ketone
EPA Soil Vapor Generic Screening Level[a]				750	255	60000	1950000	20000	5.0	800000	170000	10000	--
4A	SV-AH18	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	1.9 J	5.3 J	< 10 U	< 10 UJ
4A	SV-AI18	N	10	0.90 J	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	1.6 J	< 10 U	< 10 U	< 10 UJ
4A	SV-CP-SS-1	FD	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	2.7	3.4 J	4.4 J	< 10 UJ
4A	SV-CP-SS-1	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	2.5	3.6 J	4.6 J	< 10 UJ
4A	SV-CP-SS-2	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	2.5	3.1 J	< 10 U	< 10 UJ
4A	SV-CP-SS-3	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	2.1	4.0 J	< 10 U	< 10 UJ
4A	SV-CP-SS-4	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	2.6	2.5 J	< 10 U	< 10 UJ
4A	SV-CP-SS-6	N	10	2.2	< 2 U	< 2 U	< 2 U	0.63 J	< 4 U	1.1 J	< 10 U	< 10 U	< 10 UJ
4A	SV-C-SS-1	N	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	2.0	9.9 J	< 10 U	1.0 J

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.
[a]Screening levels are from USEPA 2002a, Table 3c, and an attenuation factor of 2×10^{-3}.

J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.

All results are in ppbv.
BOLD typeface indicates a result that exceeds the EPA generic soil vapor screening level (attenuation factor = 0.002).

Parcel	Sample ID	Sample Type	Depth	o-Xylene	Styrene (monomer)	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	trans-1,3-Dichloropropylene	Tribromomethane	Trichloroethylene	Vinyl acetate	Vinyl chloride
EPA Soil Vapor Generic Screening Level[a]				800000	115000	60	55000	9000	--	105	2.1	28500	55
4A	SV-AH18	N	10	0.62 J	< 2 U	17	1.3 J	< 2 U	< 2 U	< 2 U	0.54 J	< 10 U	< 2 U
4A	SV-AI18	N	10	0.73 J	< 2 U	2.7	0.94 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-CP-SS-1	FD	10	1.7 J	< 2 U	4.0	0.91 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-CP-SS-1	N	10	1.7 J	< 2 U	3.8	0.93 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-CP-SS-2	N	10	1.5 J	< 2 U	**69**	1.5 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-CP-SS-3	N	10	1.0 J	< 2 U	18	1.4 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-CP-SS-4	N	10	1.4 J	< 2 U	1.6 J	1.2 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-CP-SS-6	N	10	< 2 U	< 2 U	1.0 J	1.0 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U
4A	SV-C-SS-1	N	10	0.89 J	< 2 U	6.2	1.7 J	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U

Note: all data have been validated per the NDEP-approved DVSR for dataset 43.

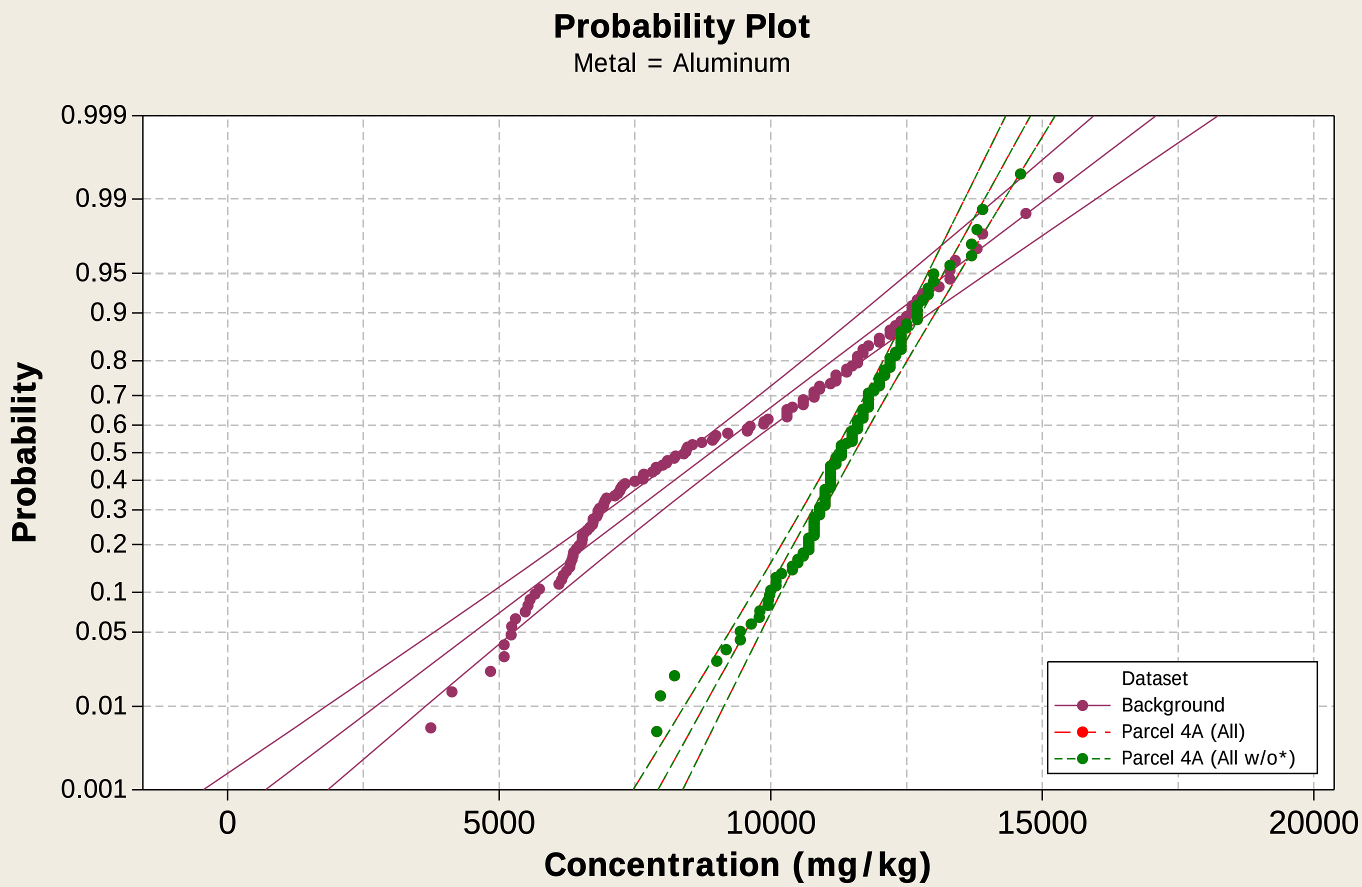
[a]Screening levels are from USEPA 2002a, Table 3c, and an attenuation factor of $2x10^{-3}$.

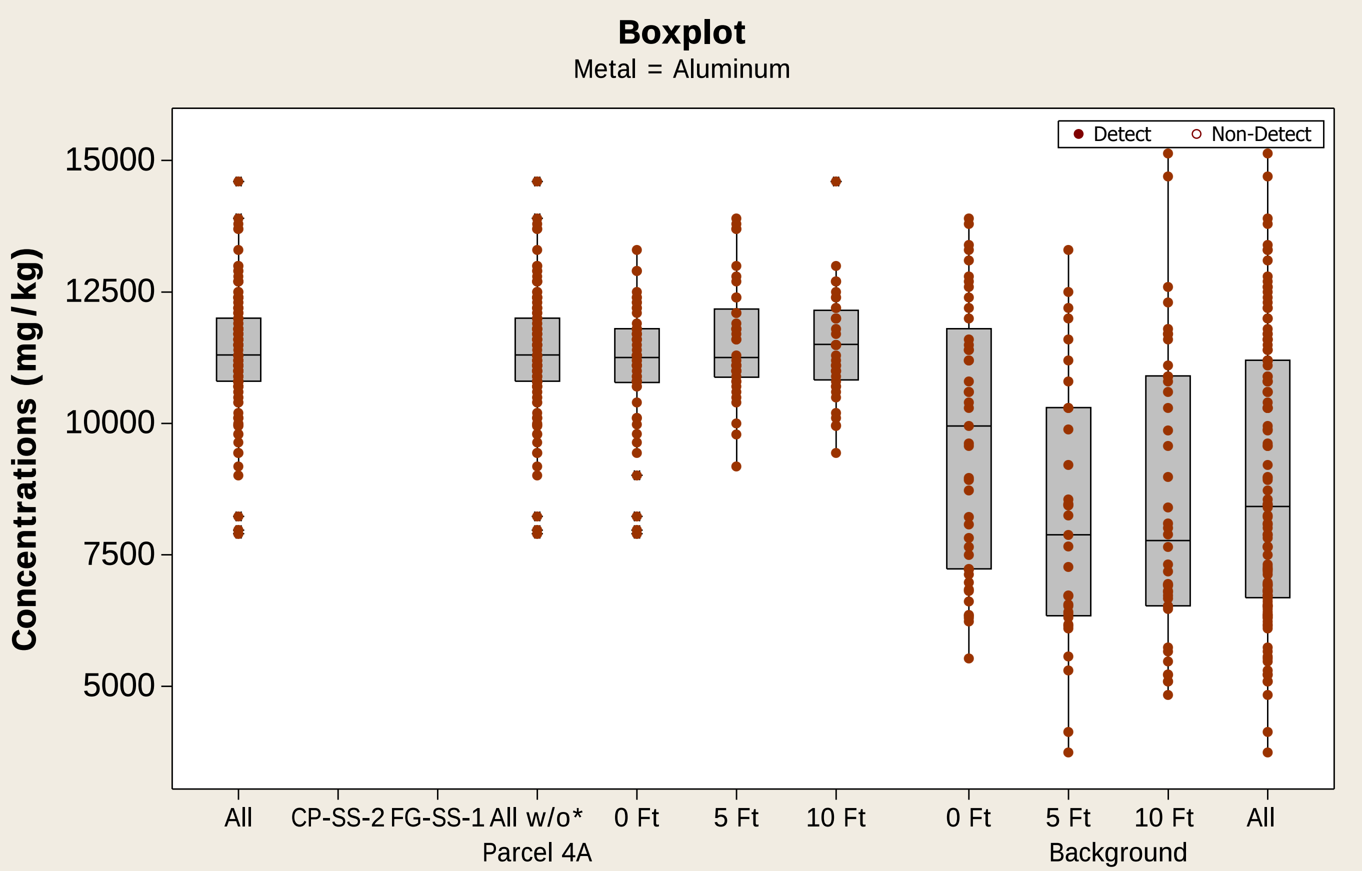
J	Estimated value.
U	Not detected.
UJ	Not detected with estimated detection limit.
NR	No result reported.
R	Result was rejected during data validation.

All results are in ppbv.

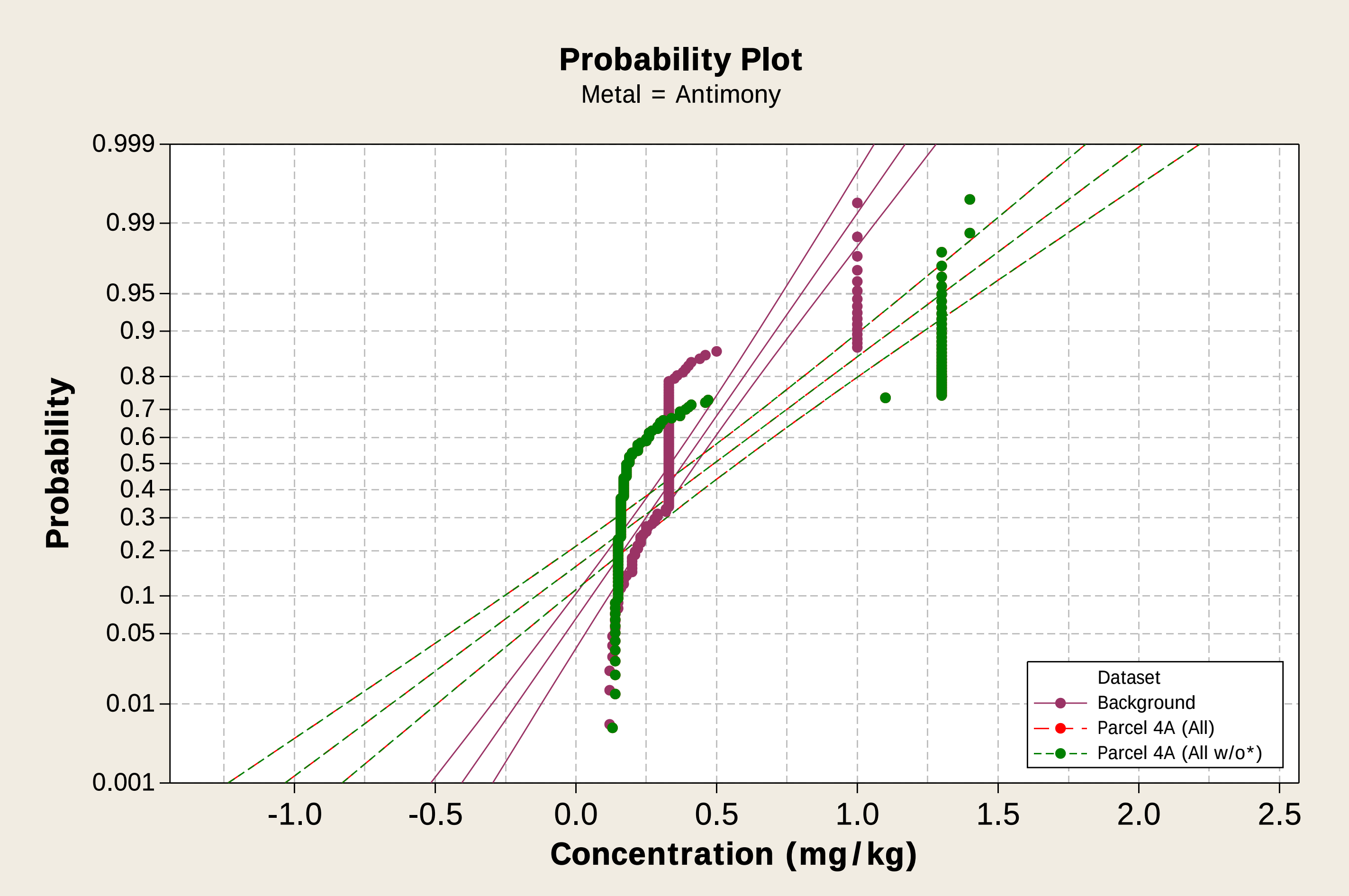
BOLD typeface indicates a result that exceeds the EPA generic soil vapor screening level (attenuation factor = 0.002).

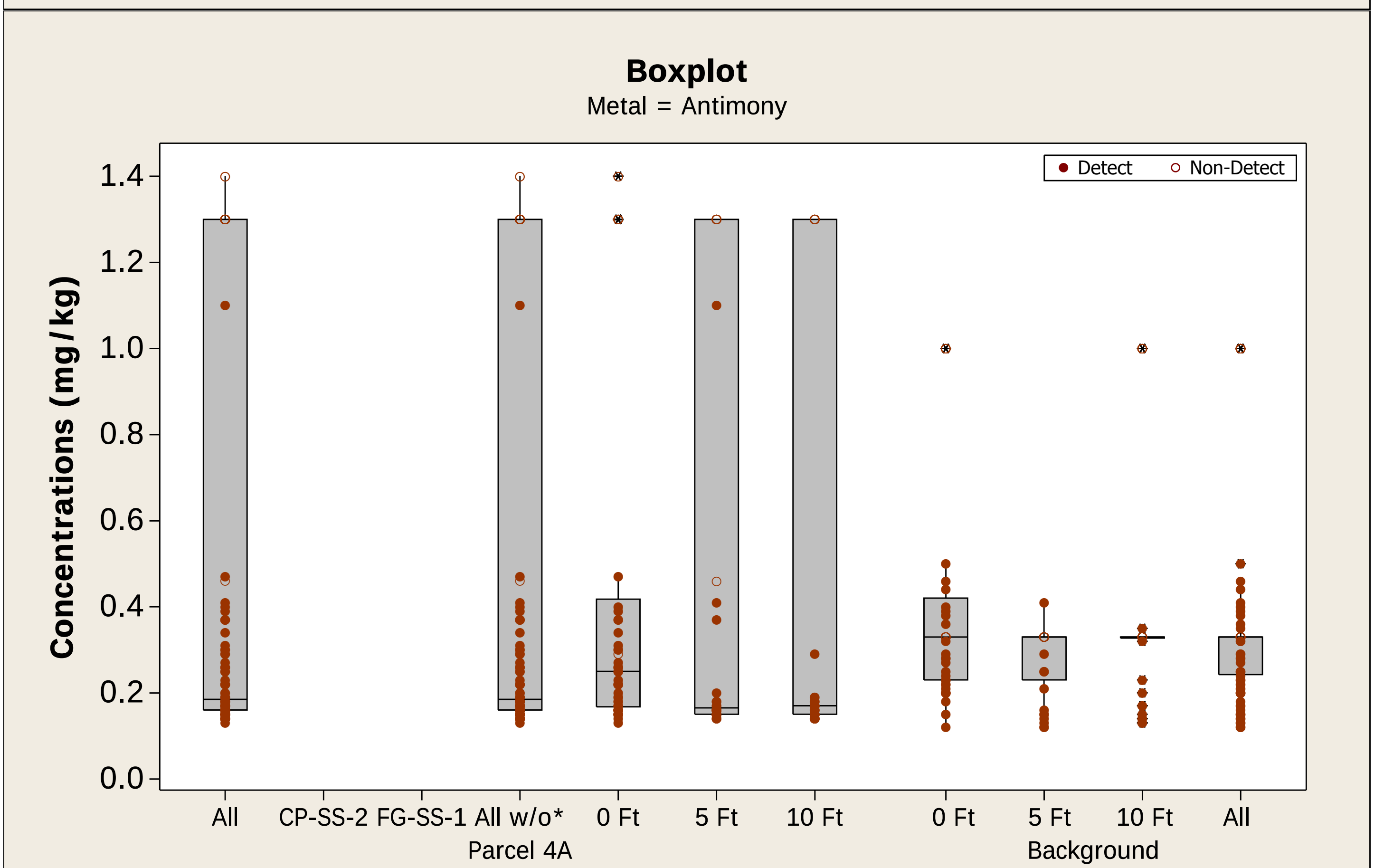
Attachment C



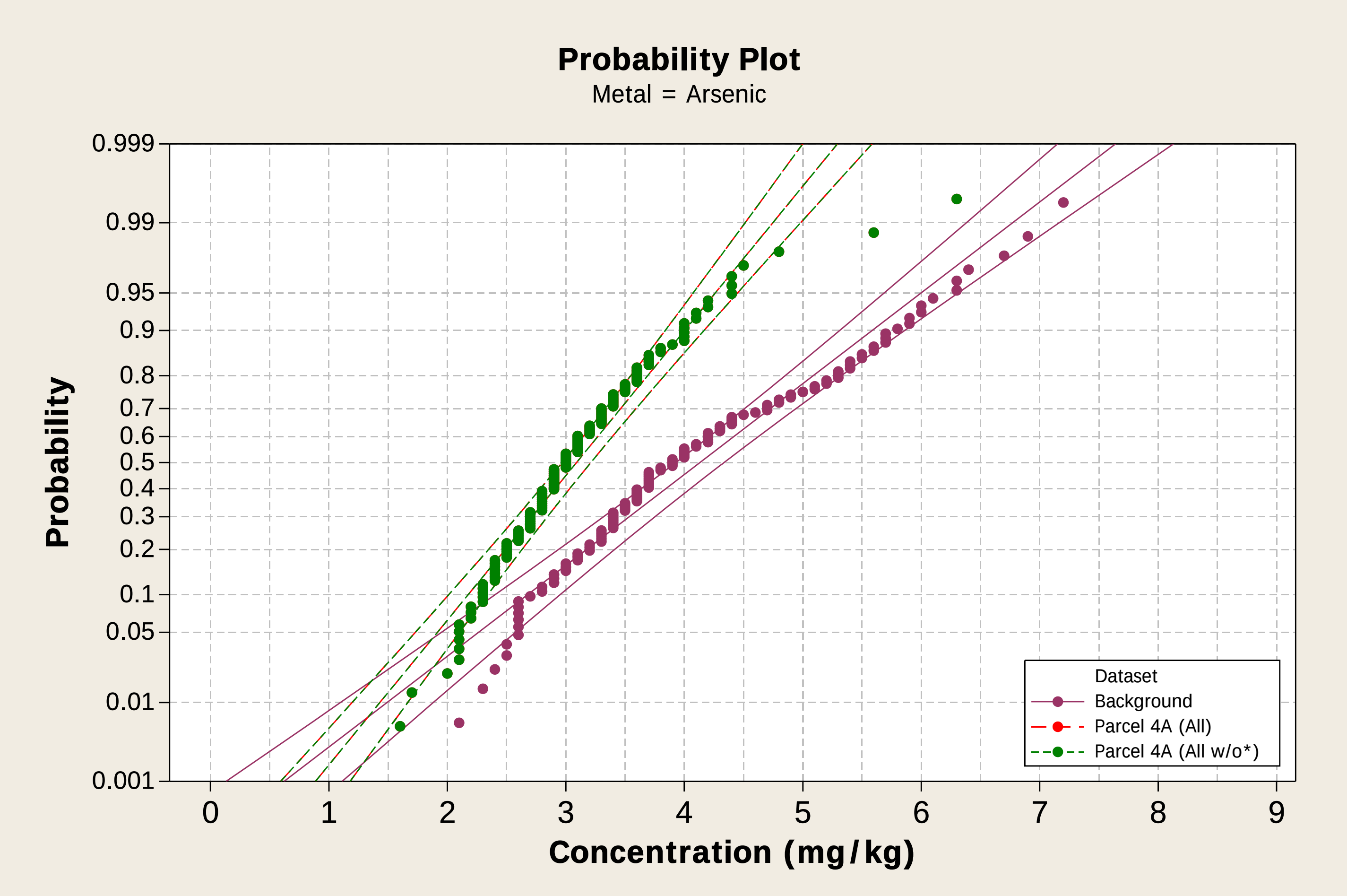


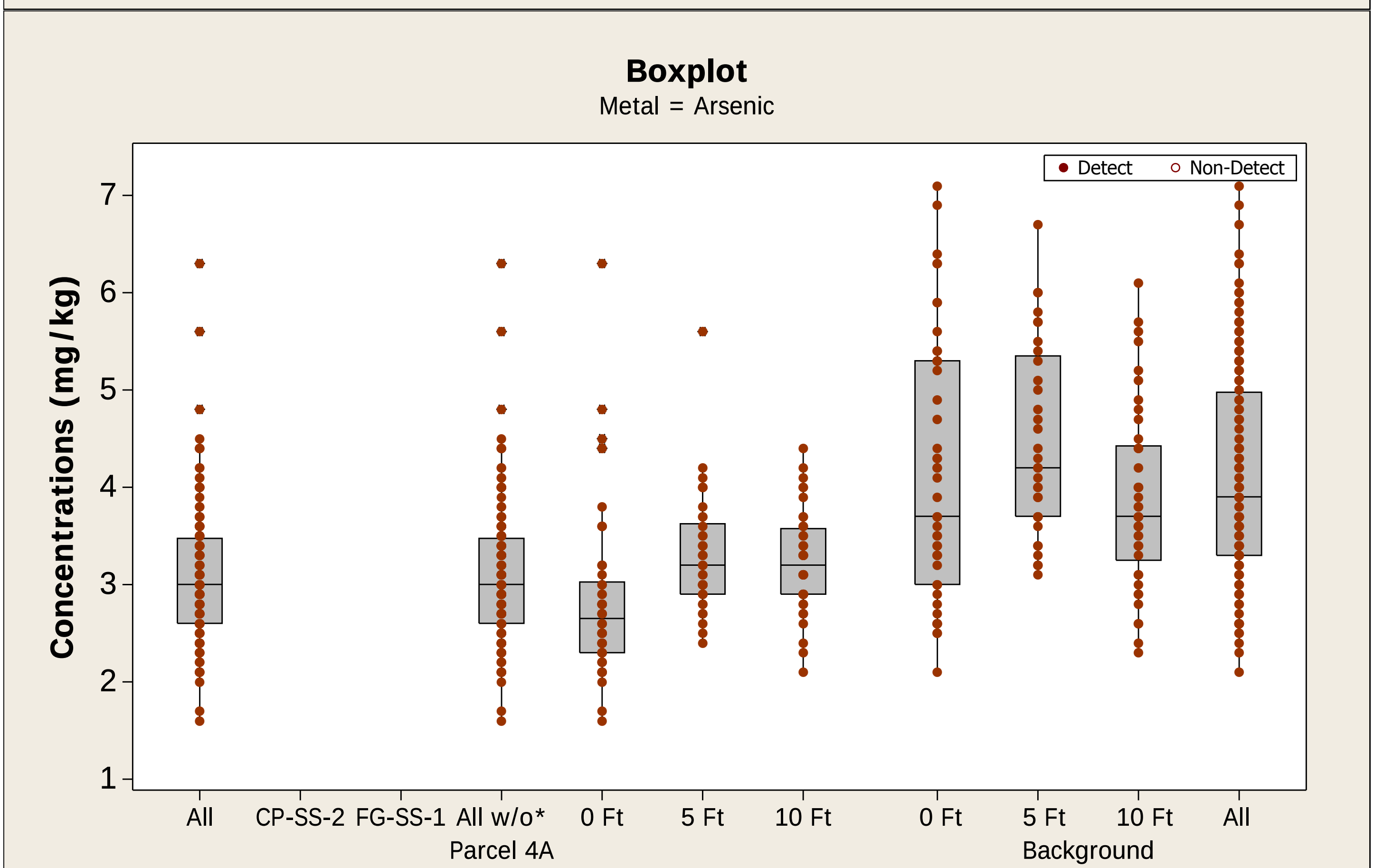
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



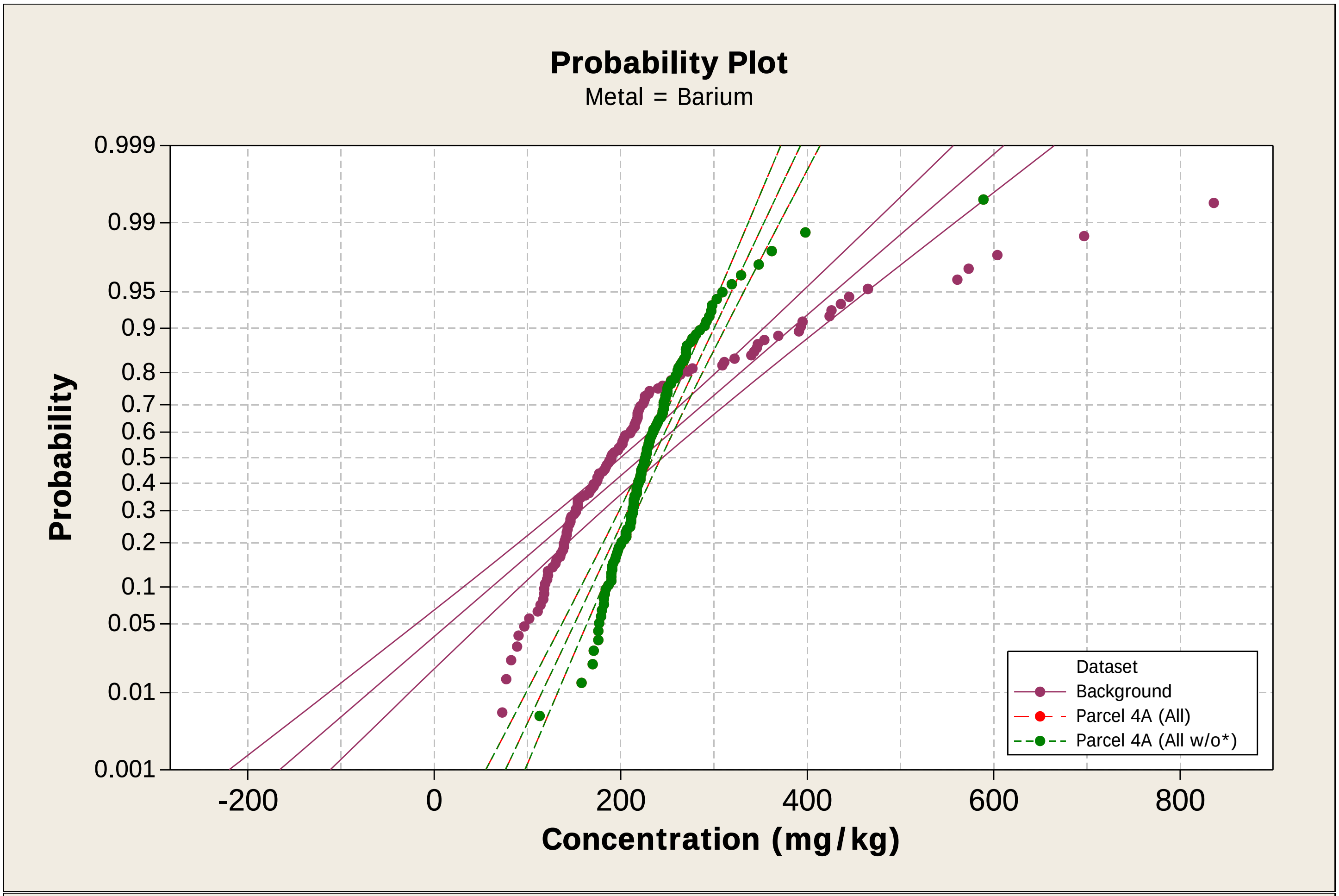


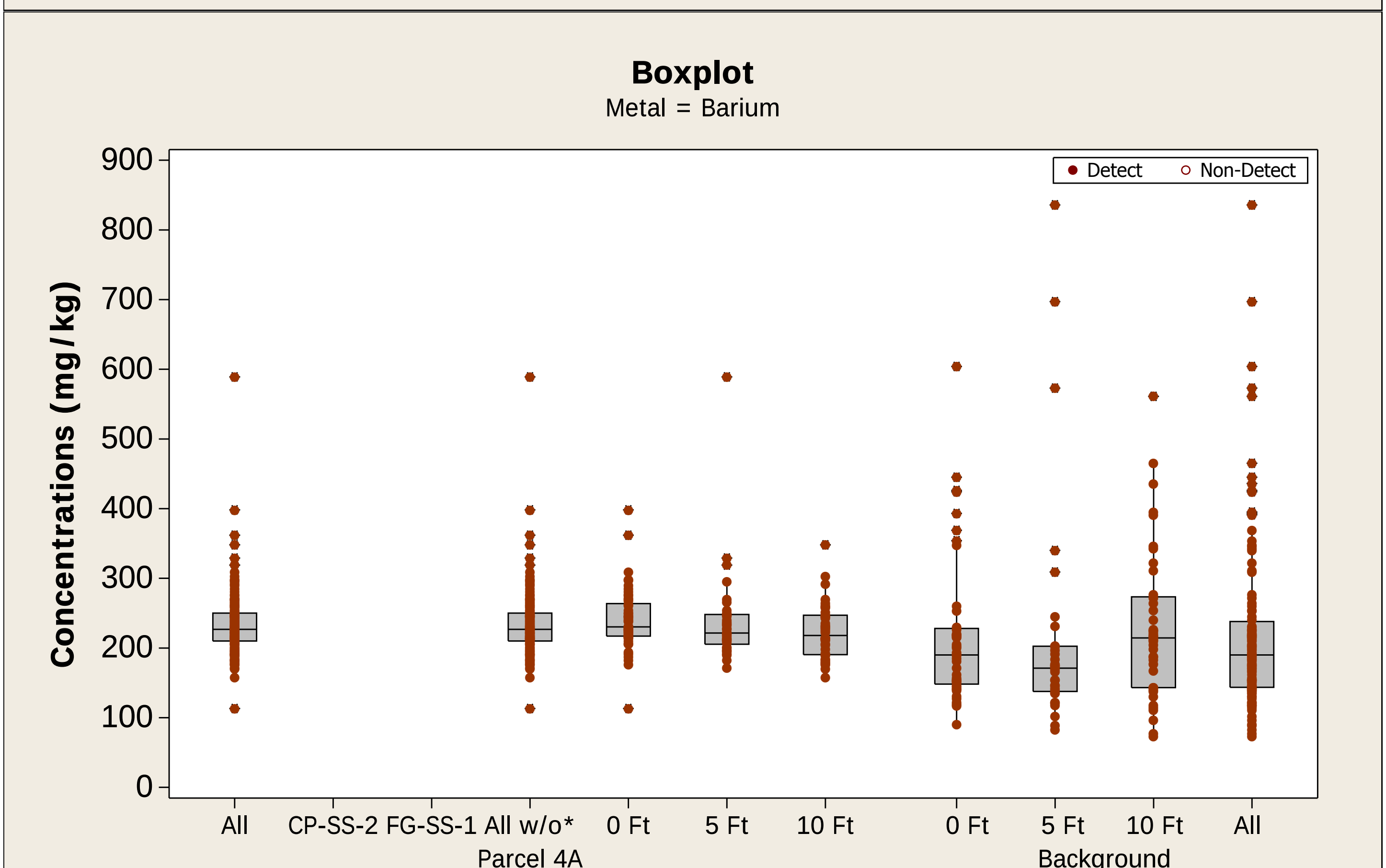
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



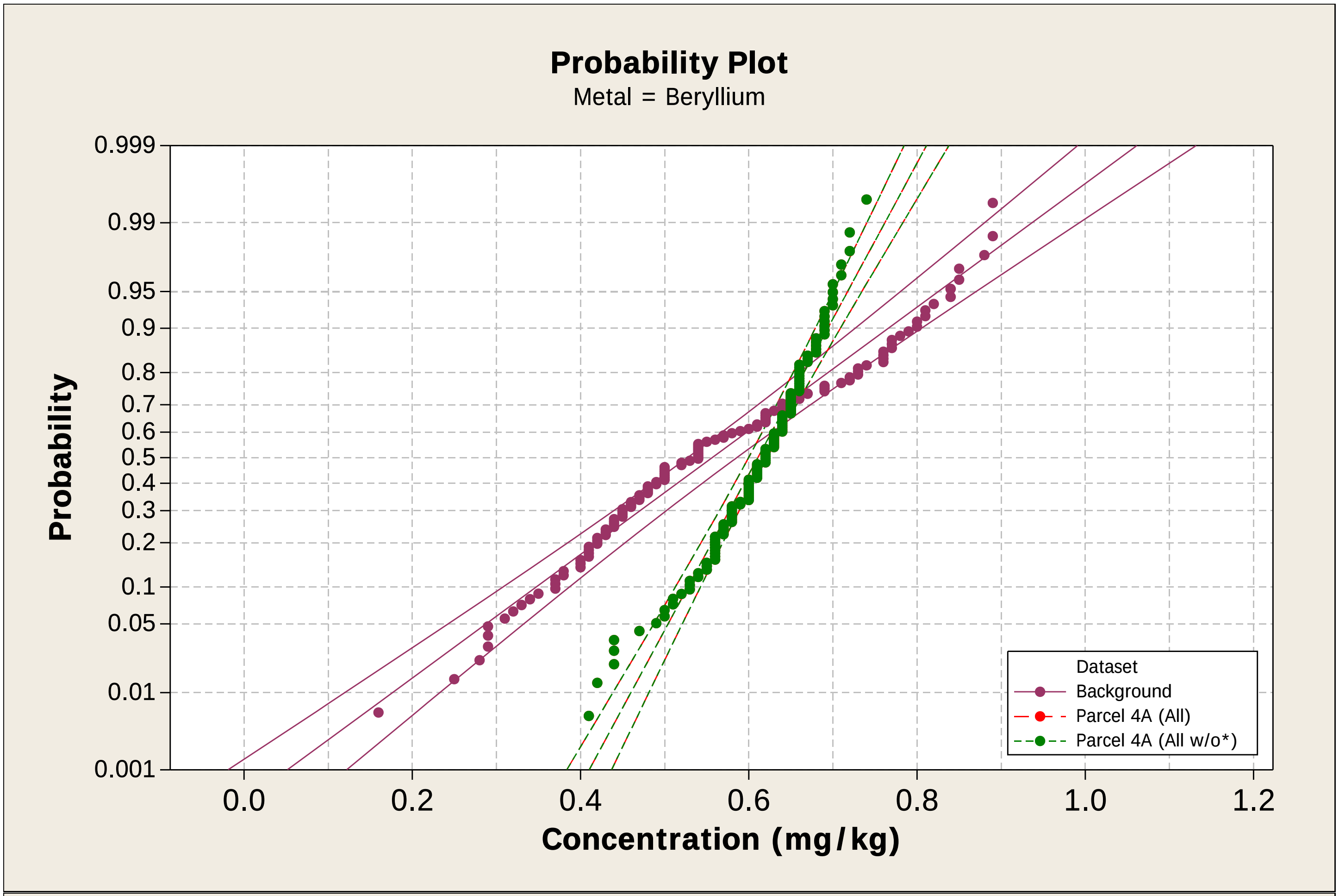


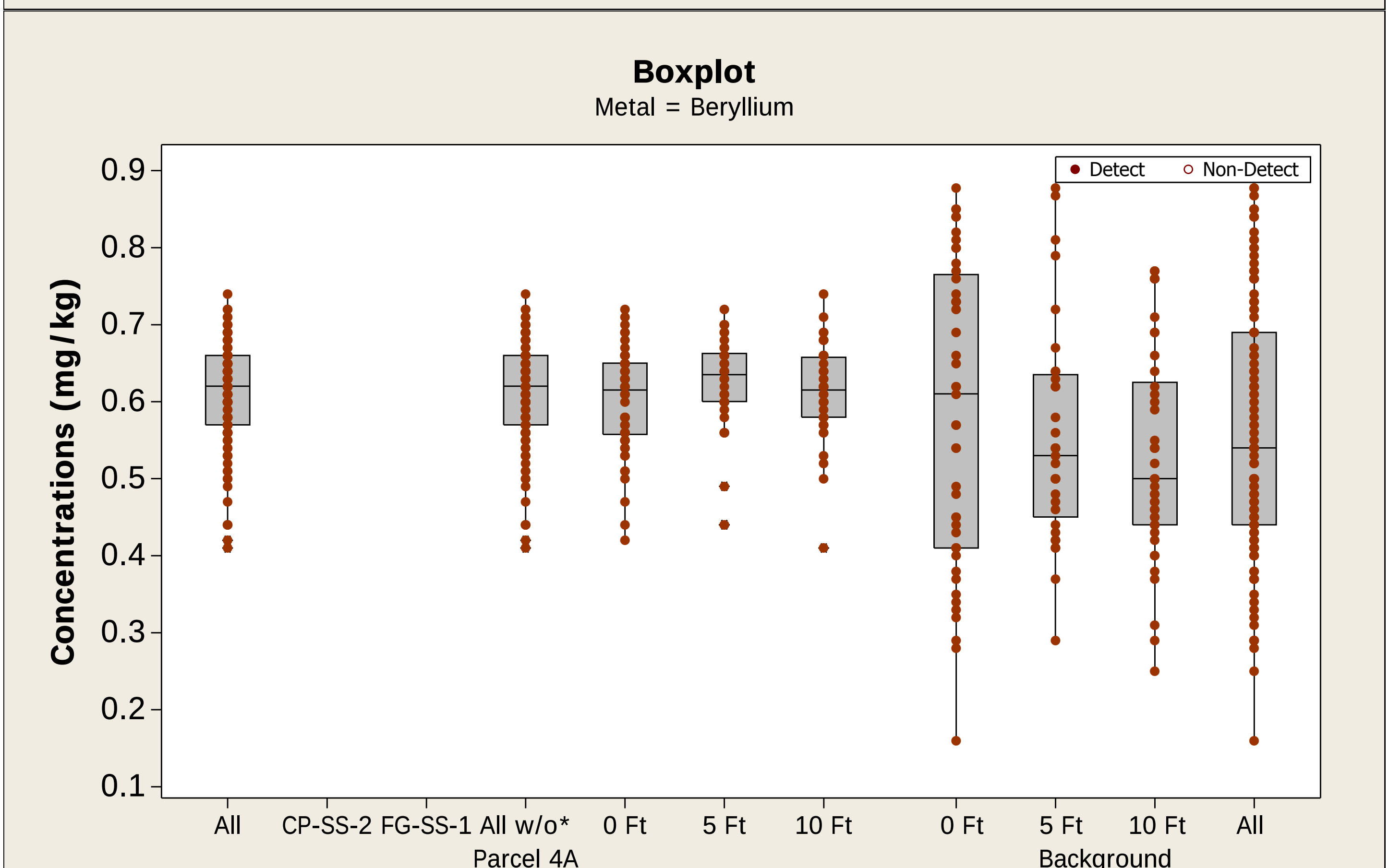
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



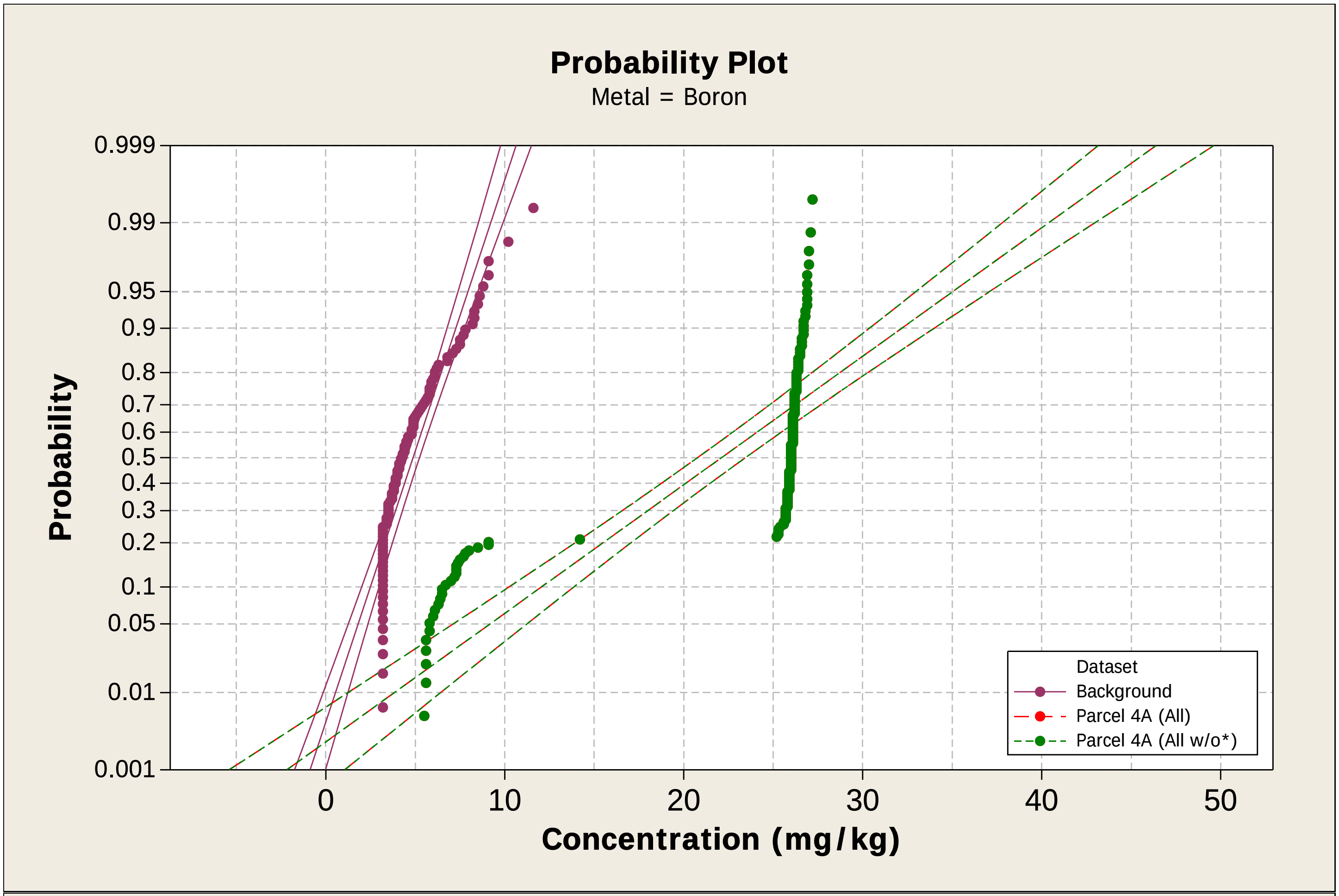


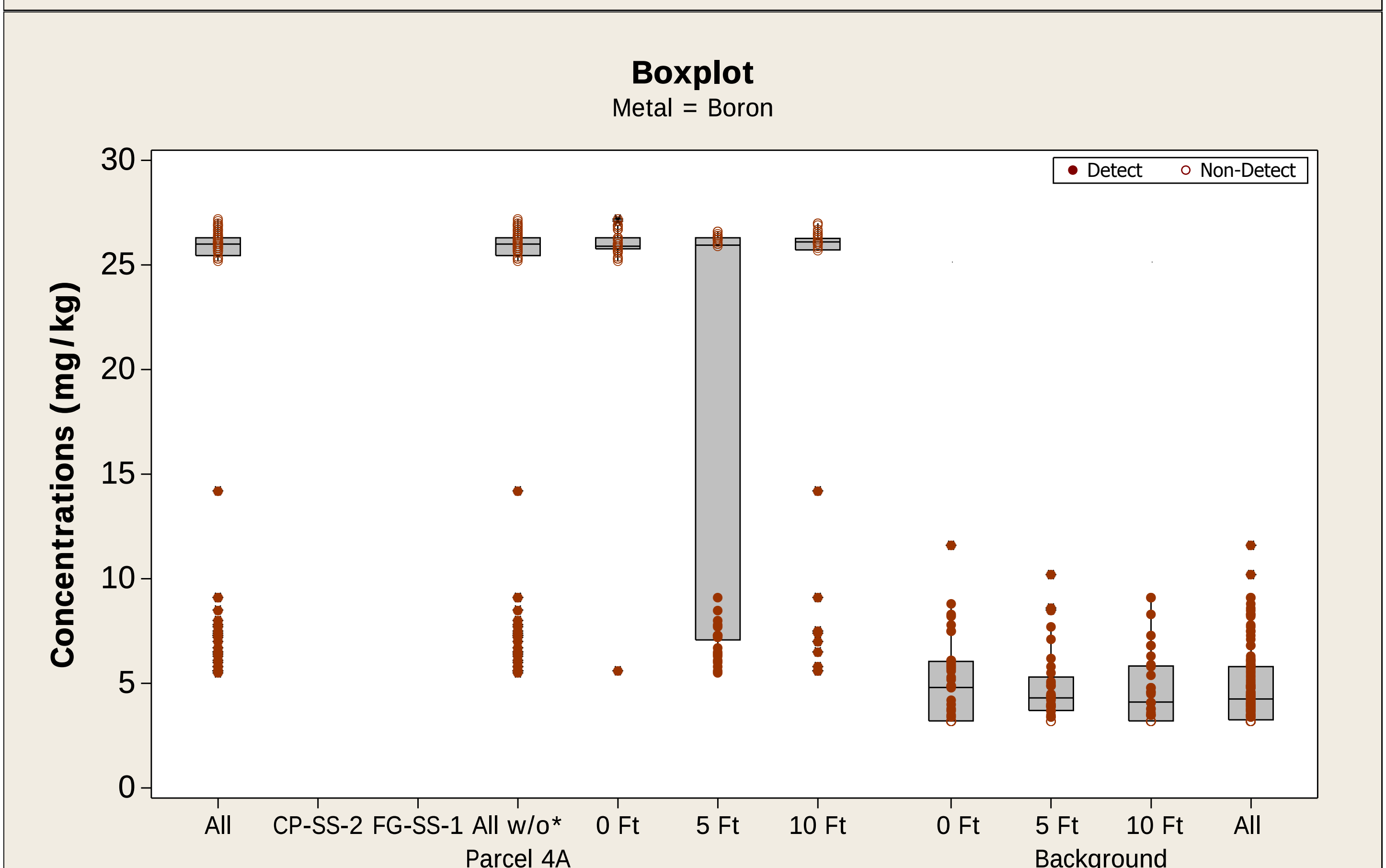
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



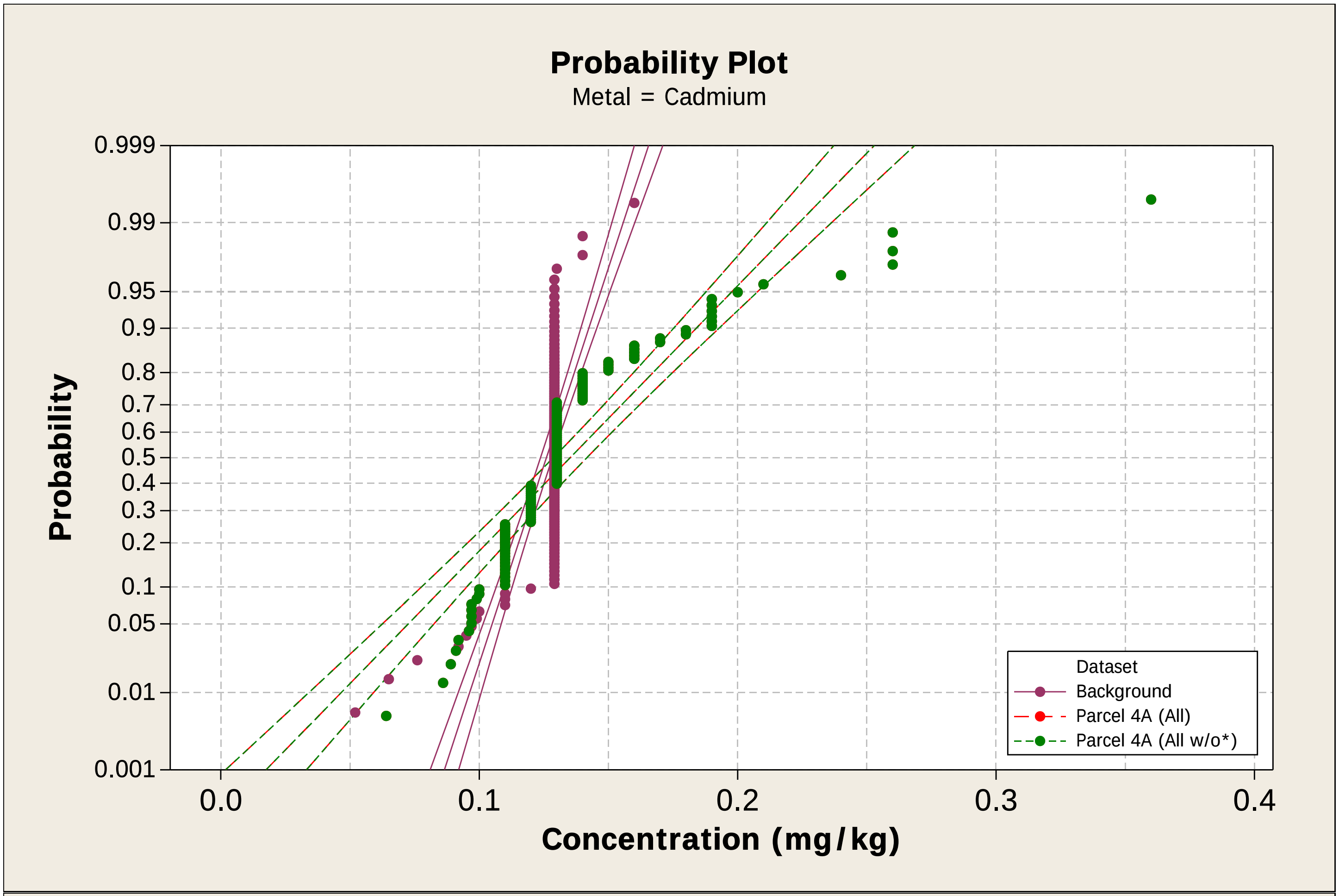


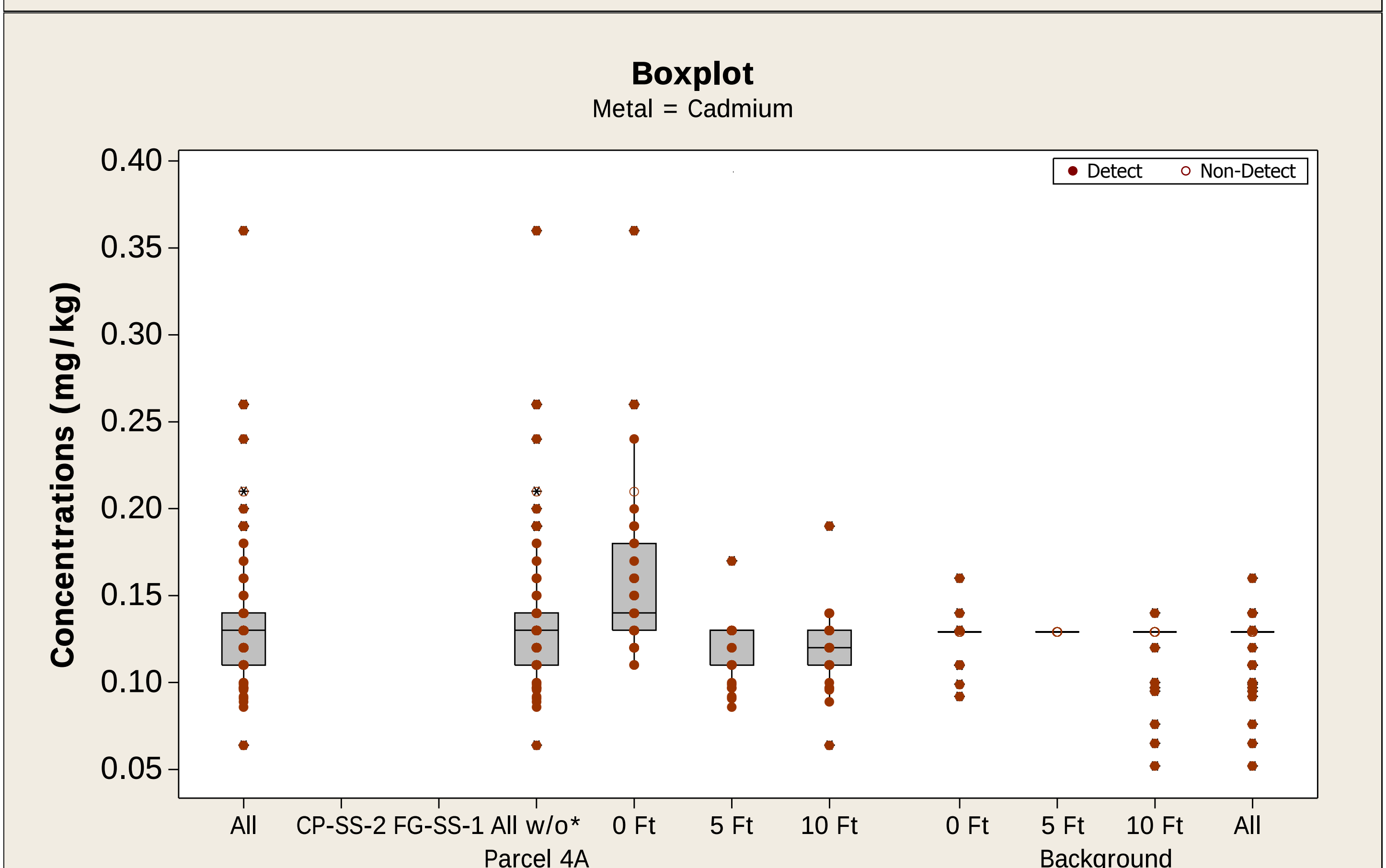
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



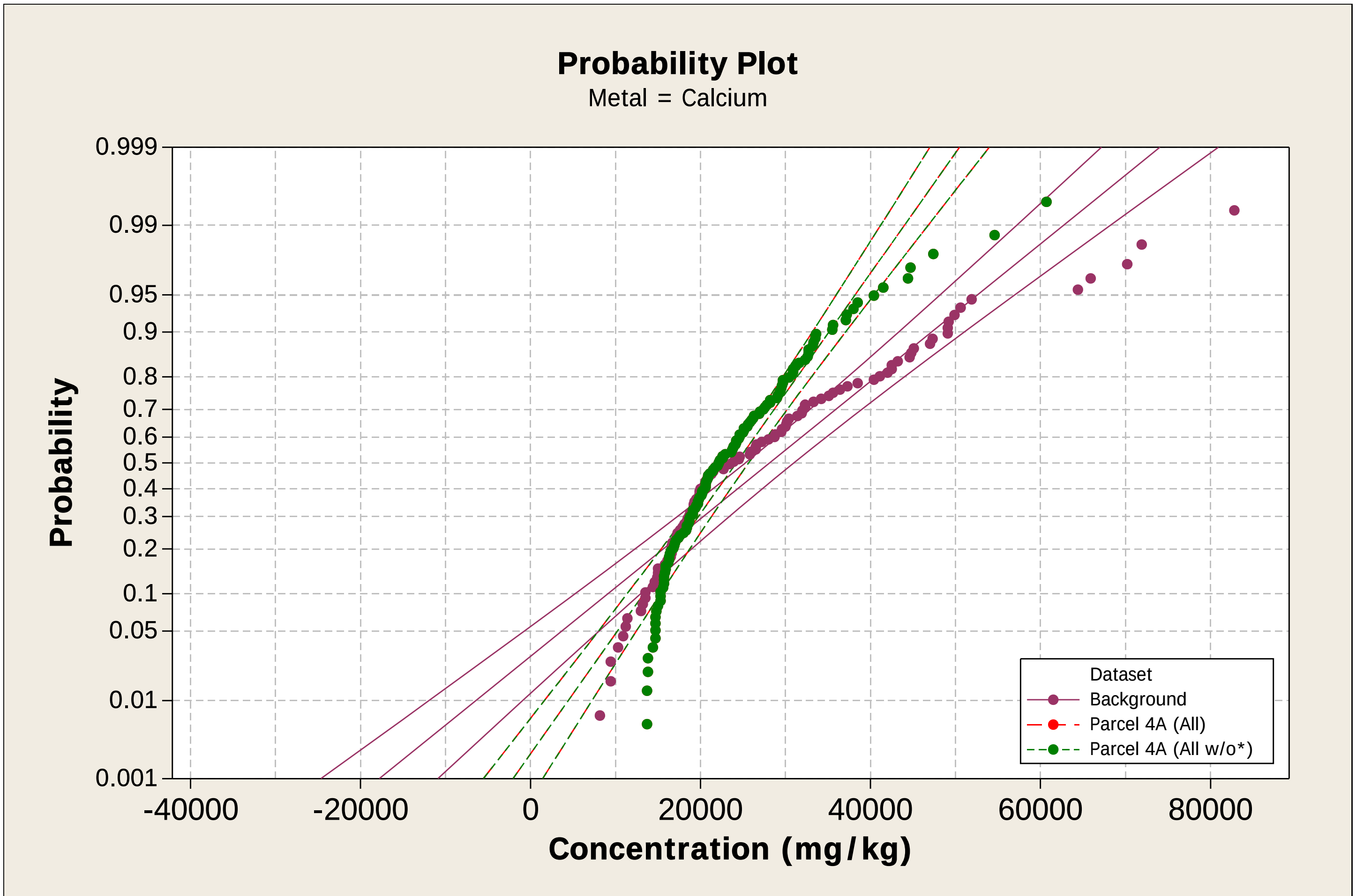


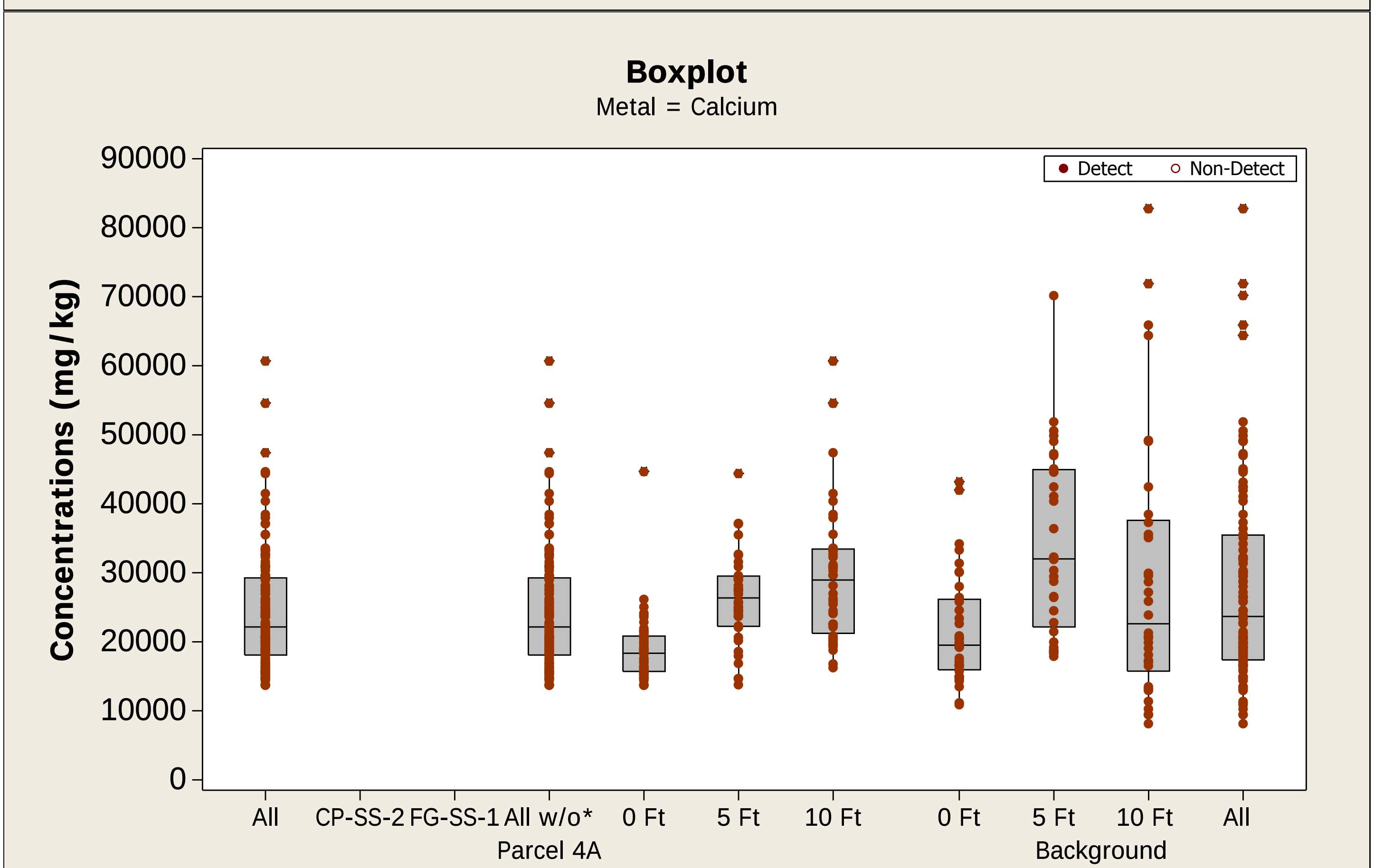
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



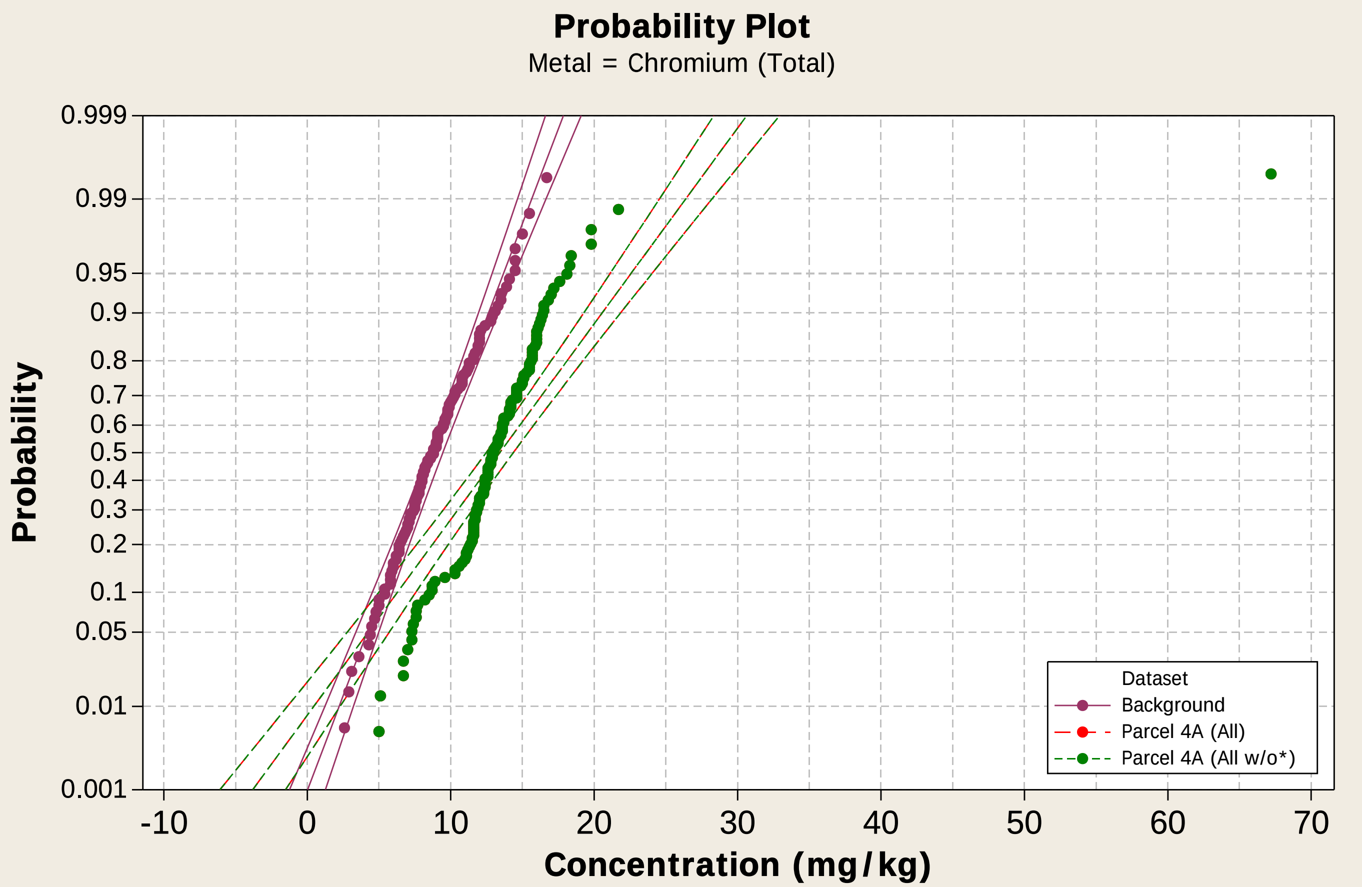


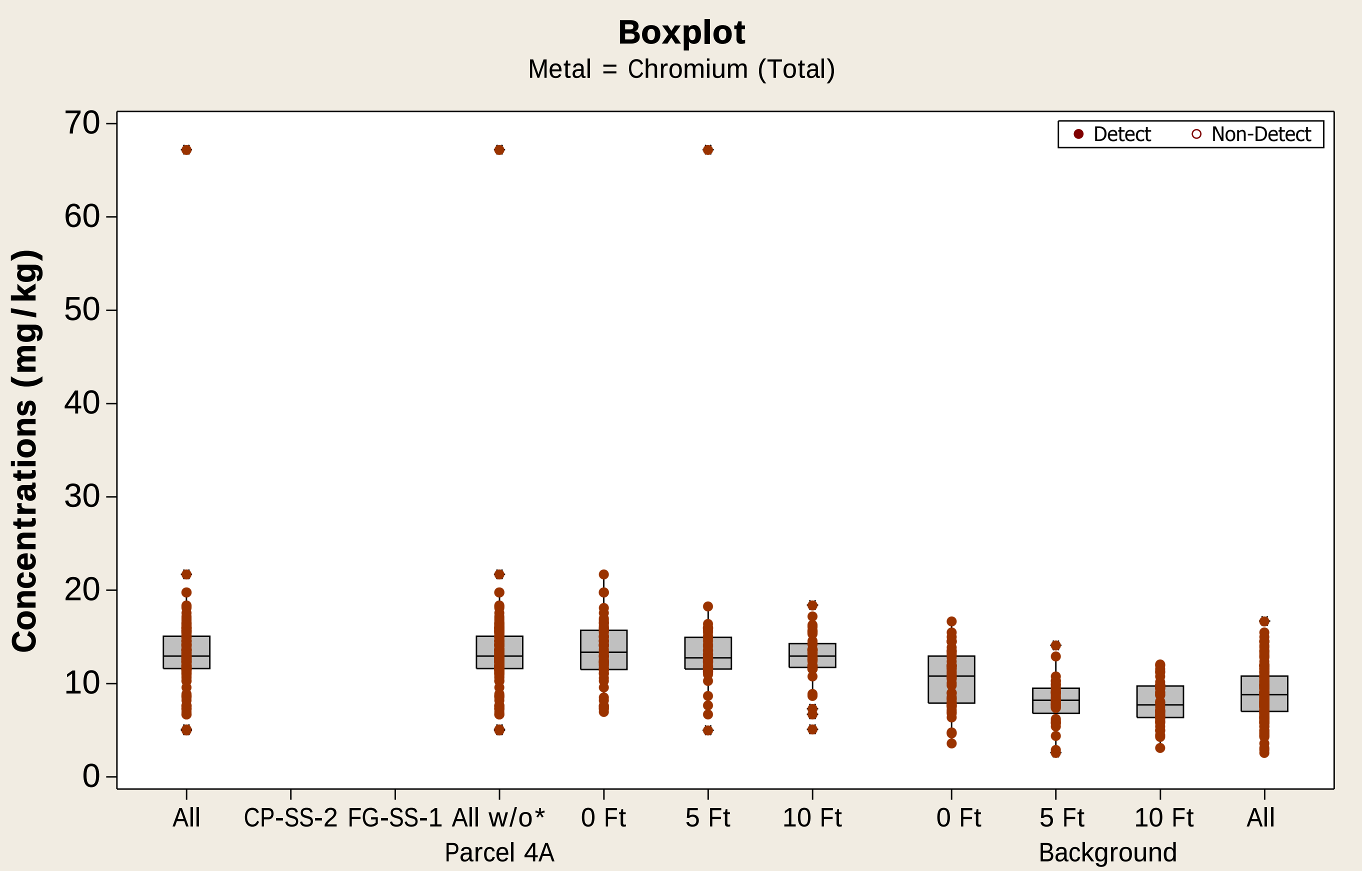
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



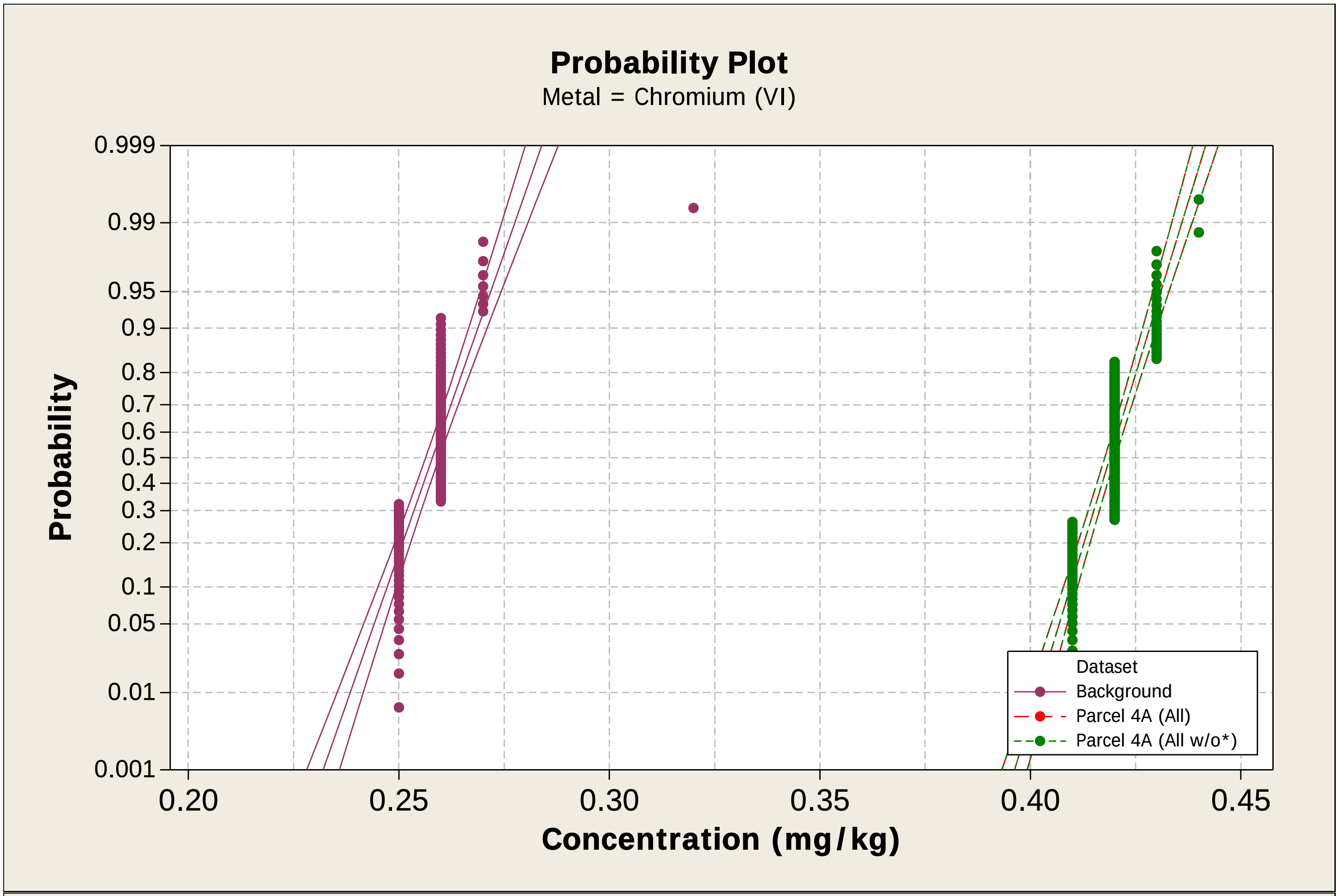


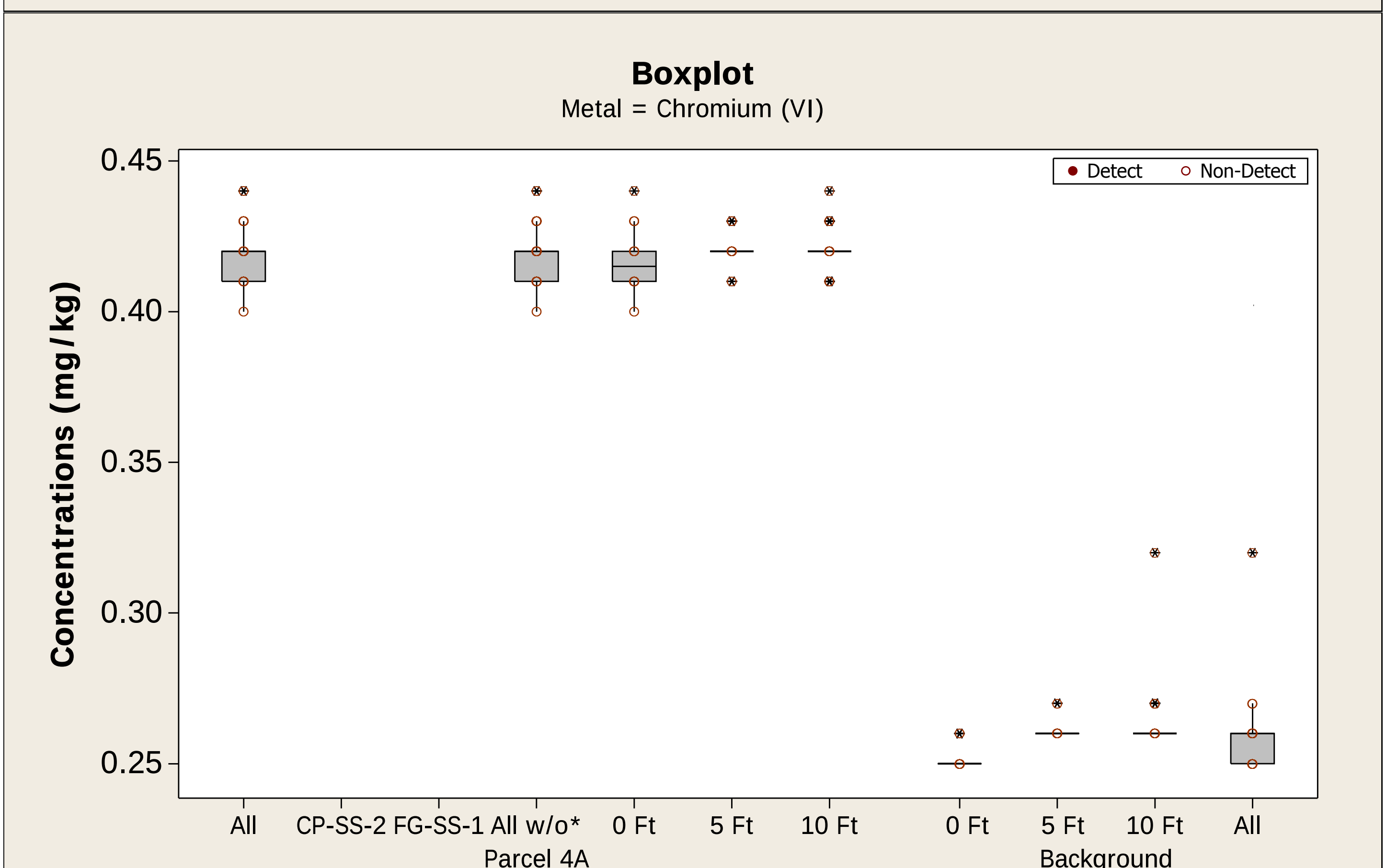
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



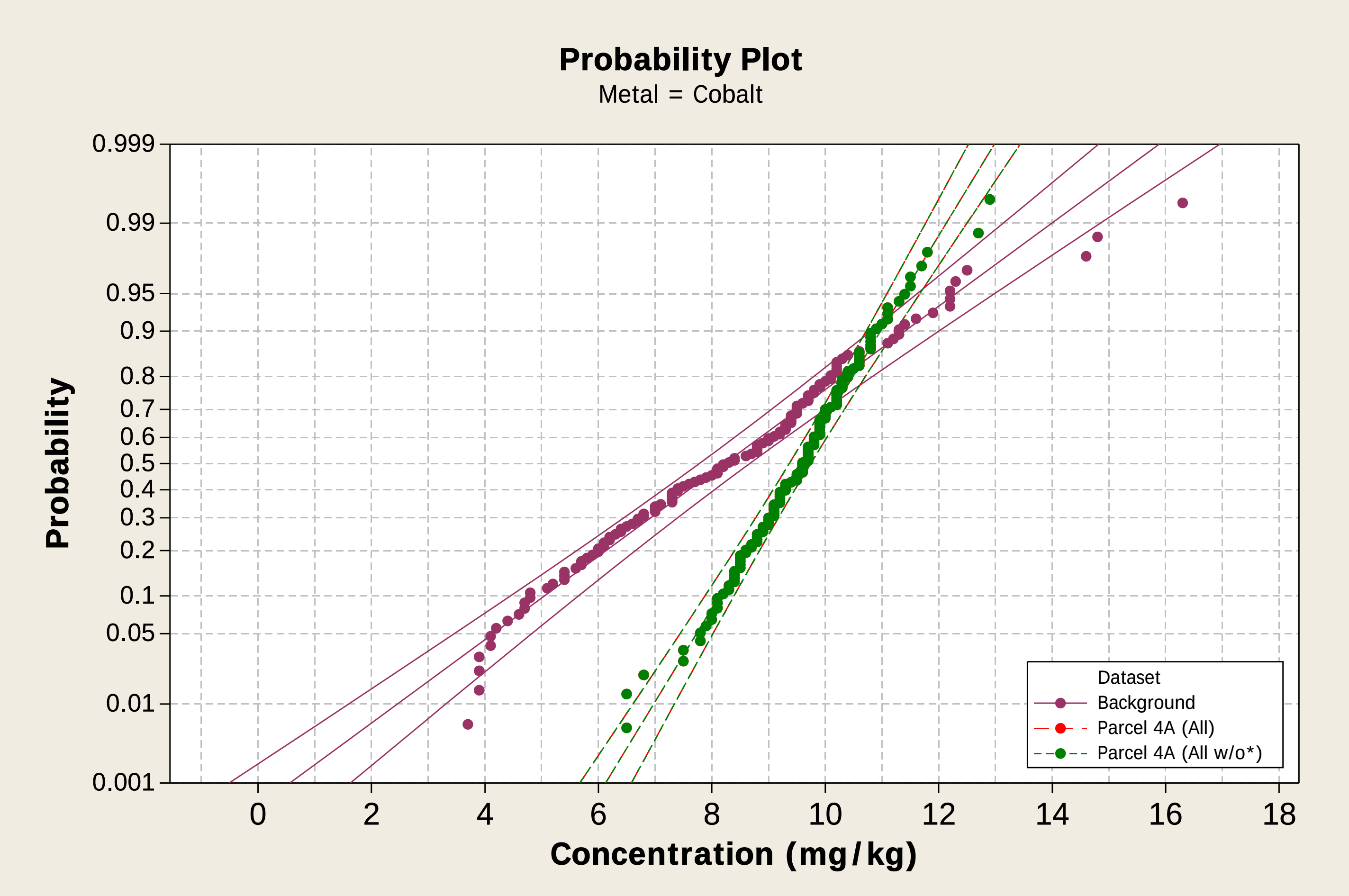


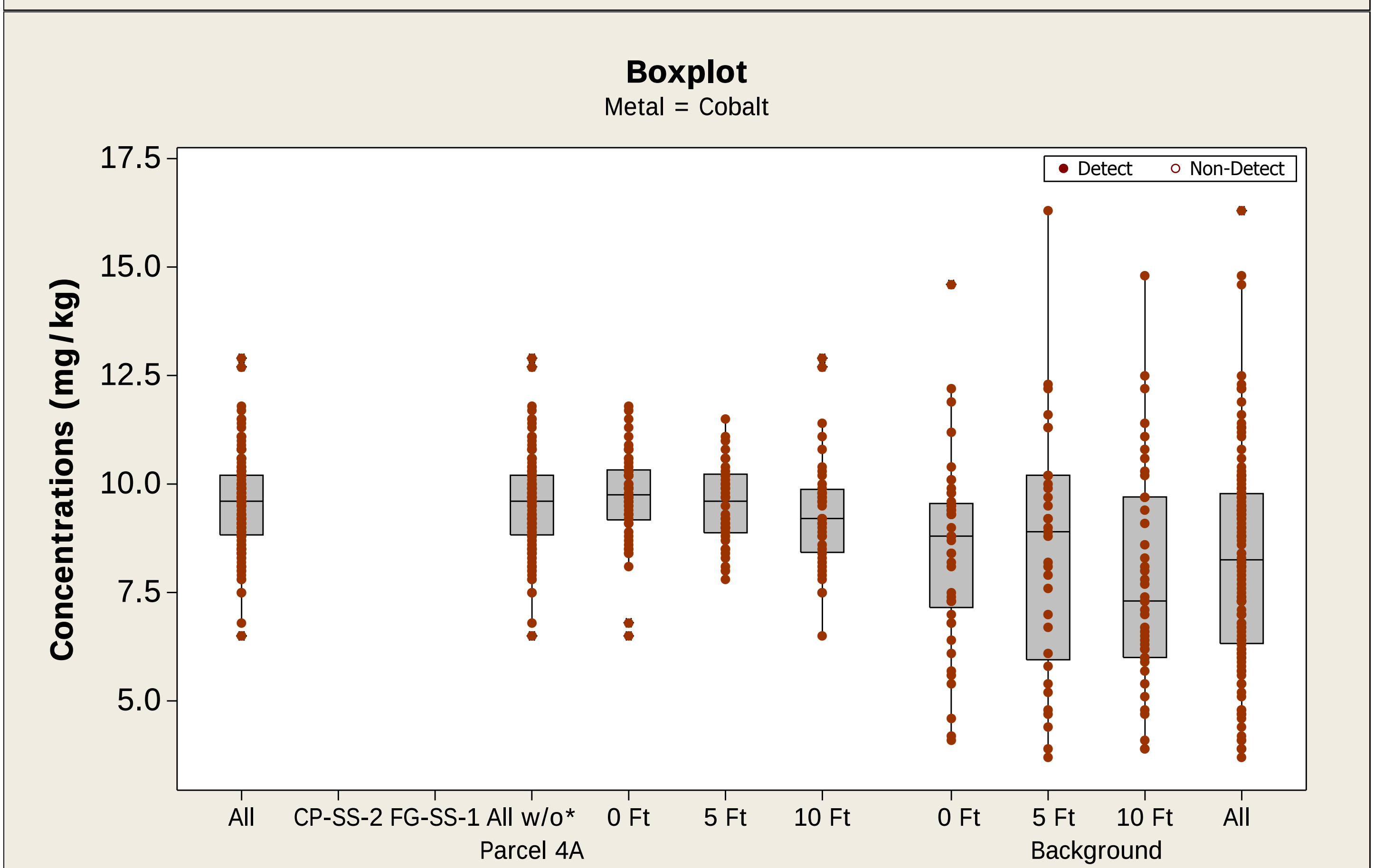
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, “All w/o” is the same as All and depth-specific boxplots include all sample locations.



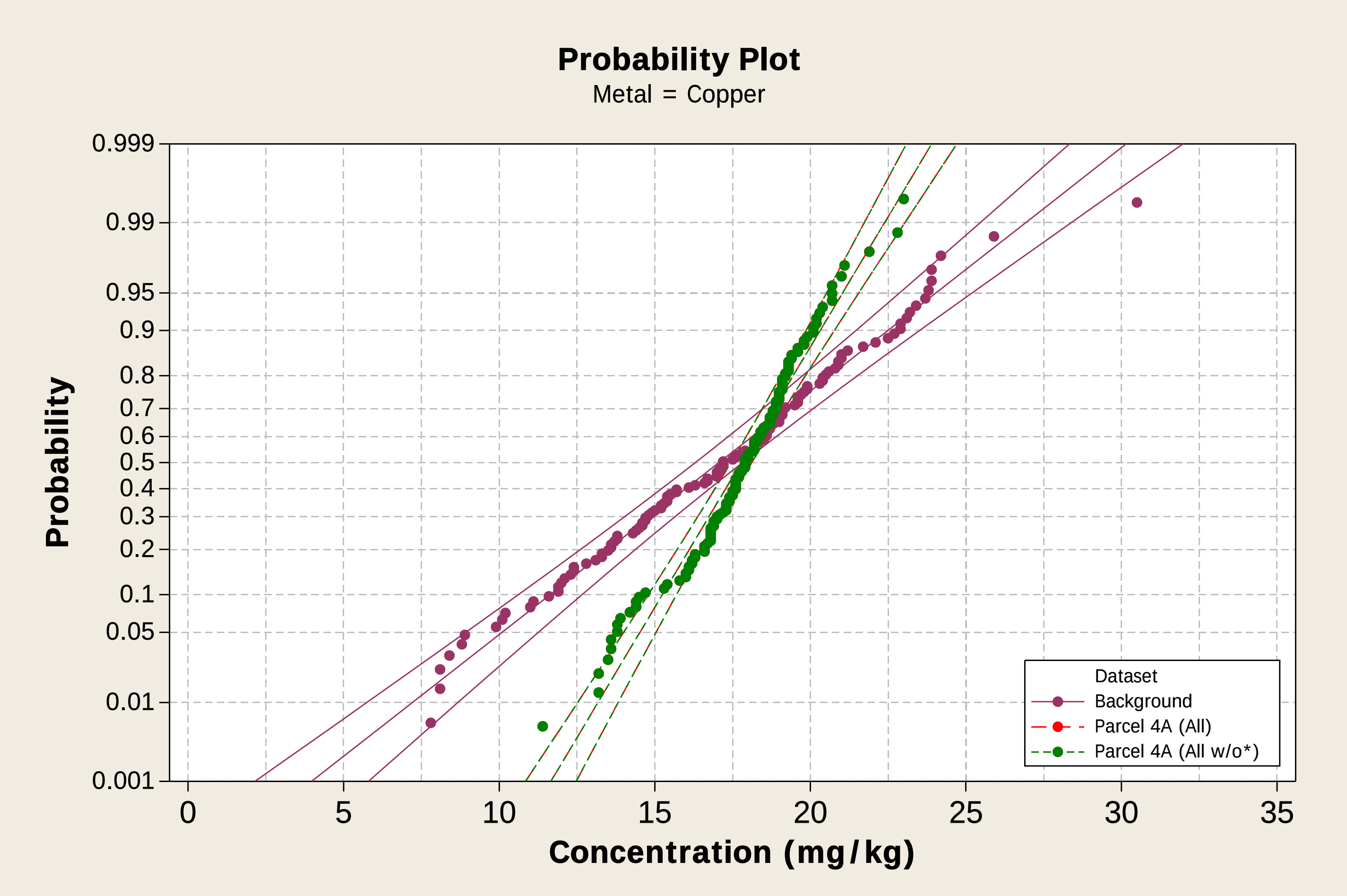


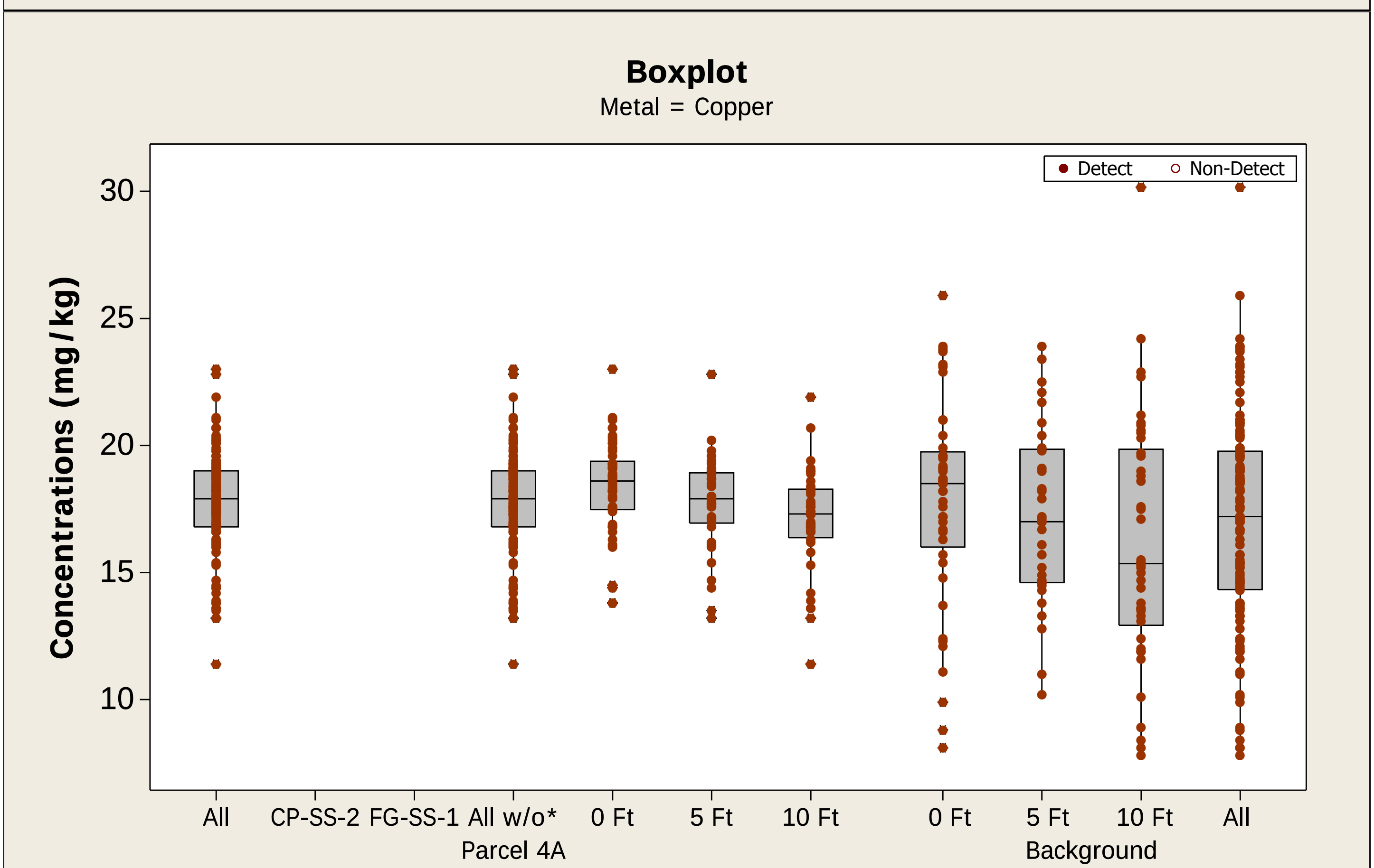
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



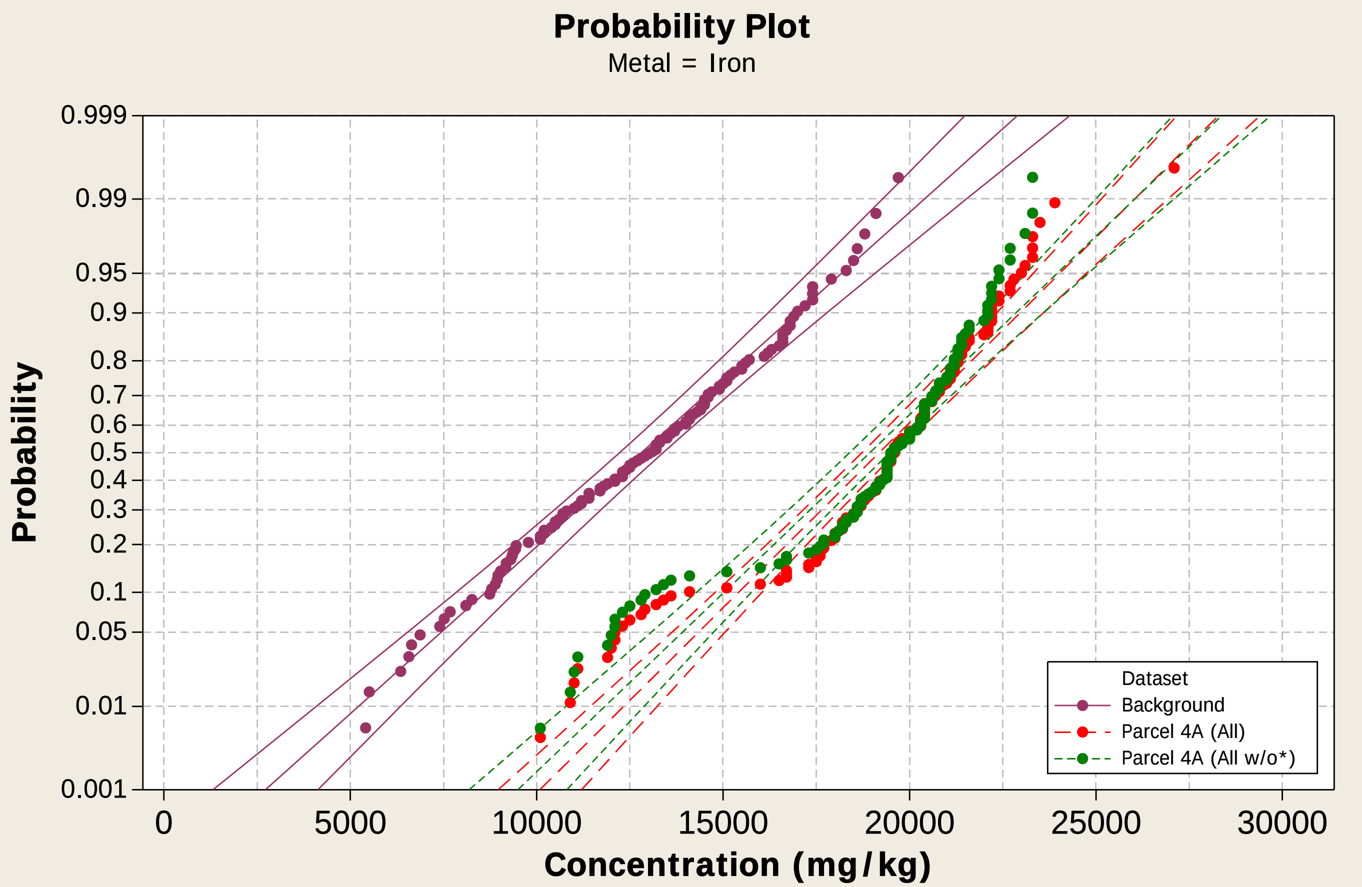


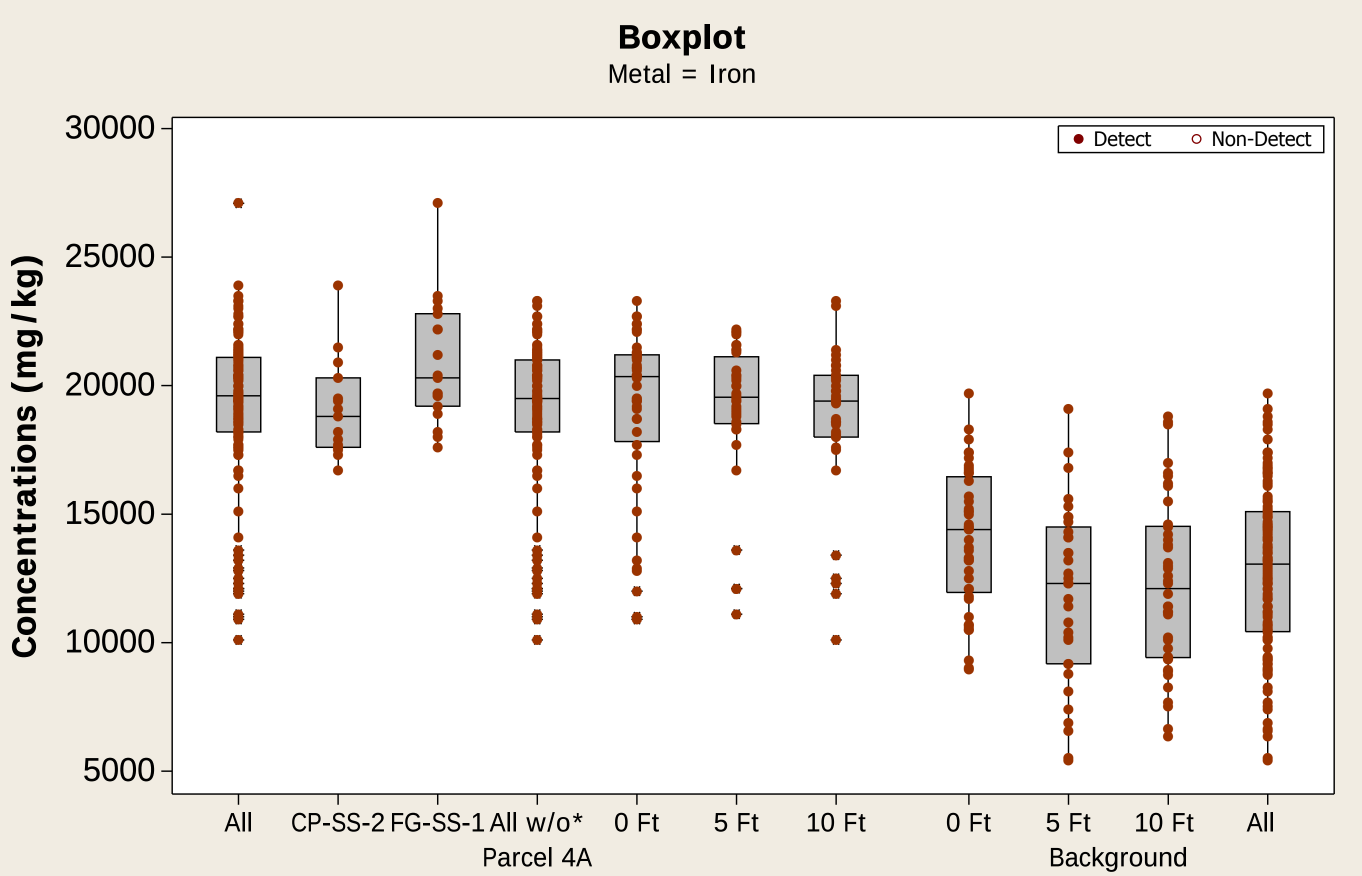
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, “All w/o” is the same as All and depth-specific boxplots include all sample locations.



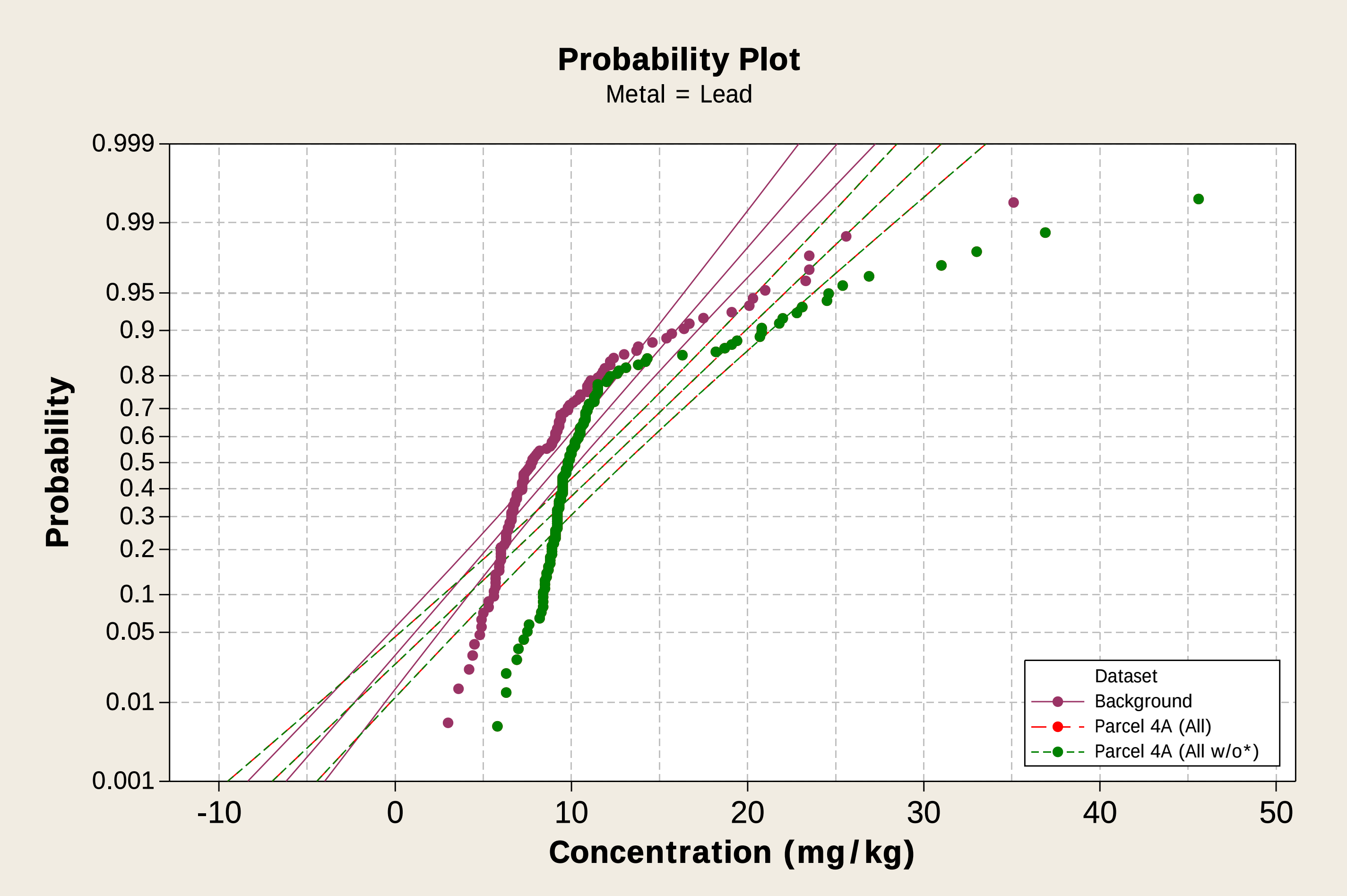


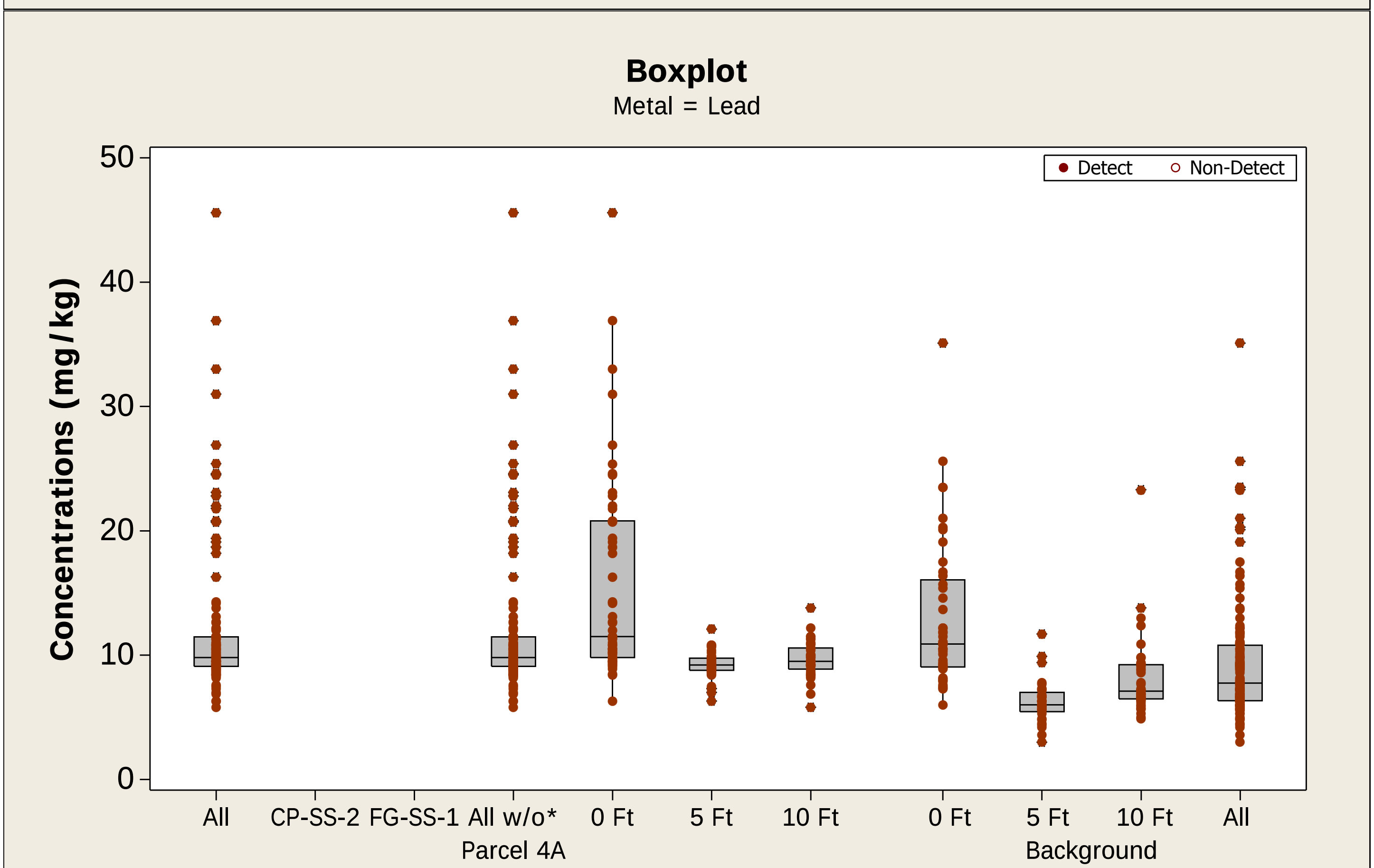
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



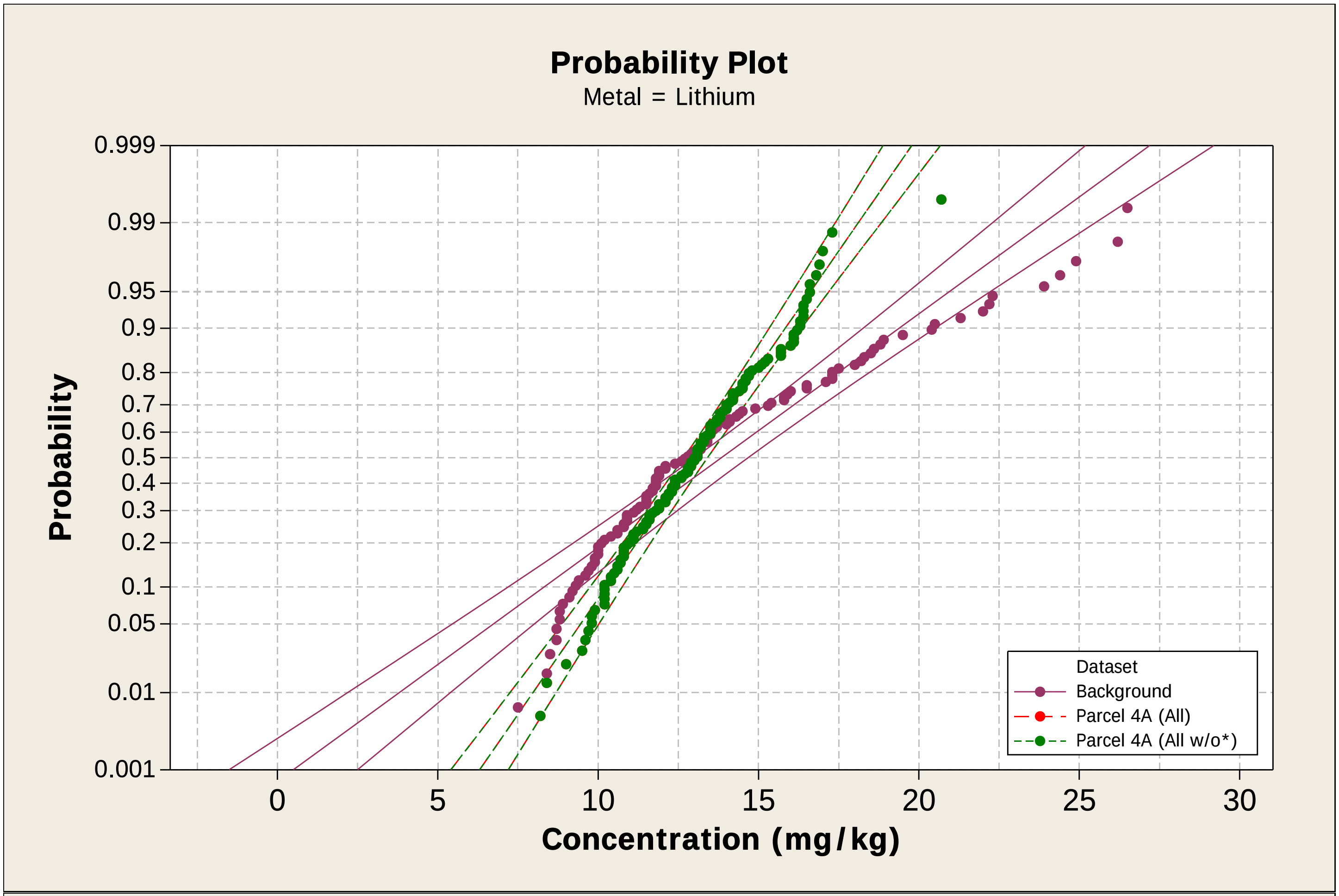


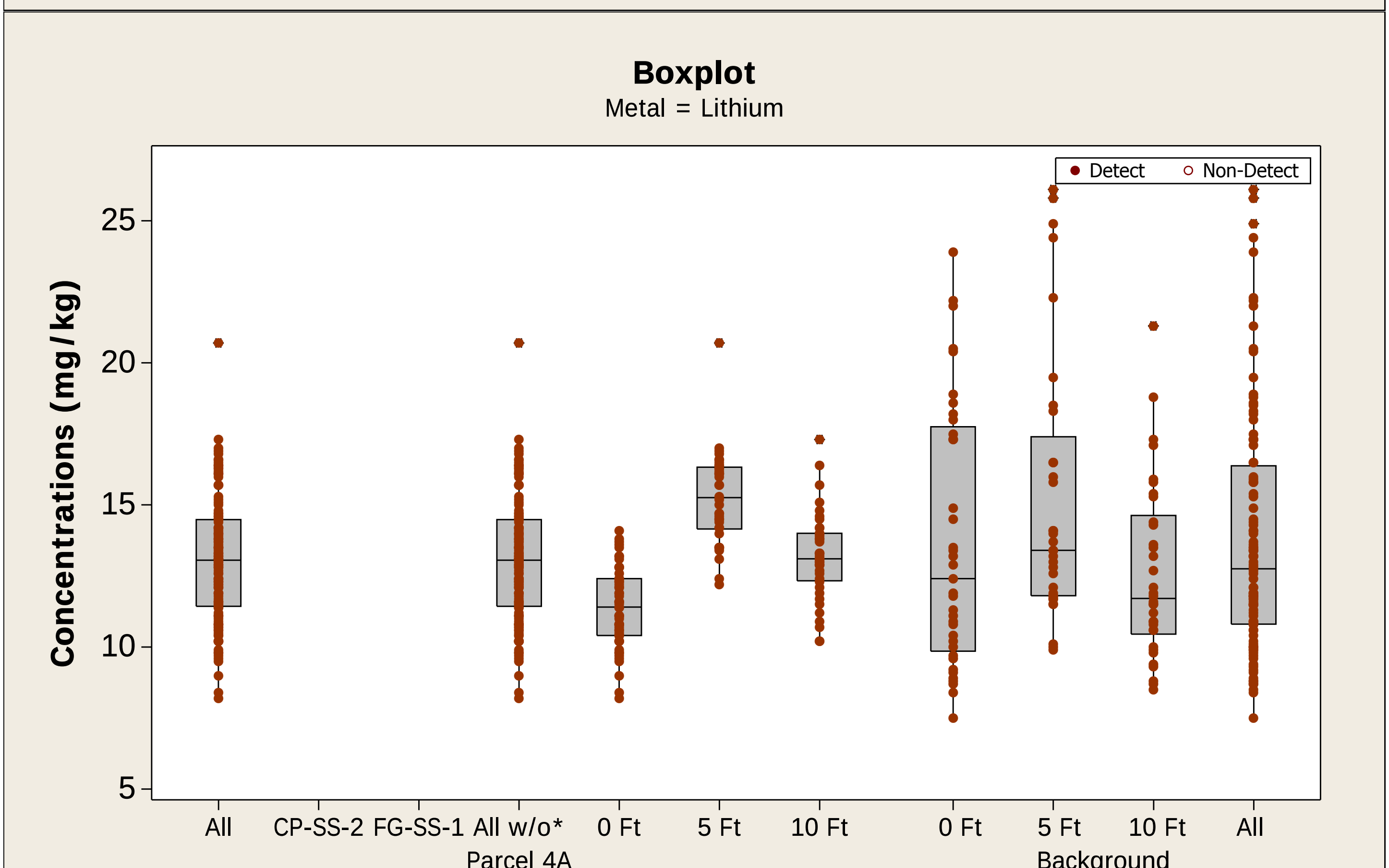
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



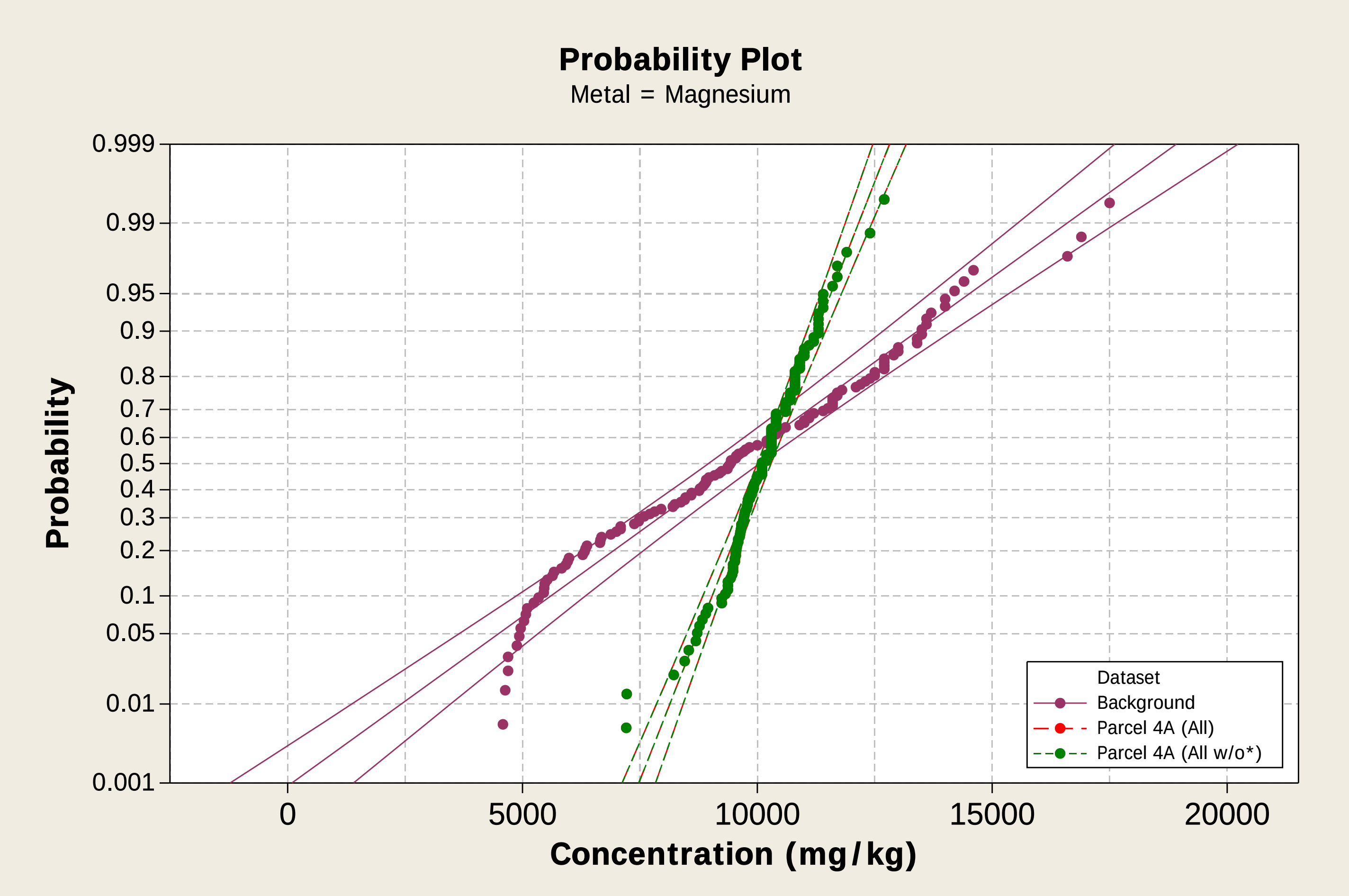


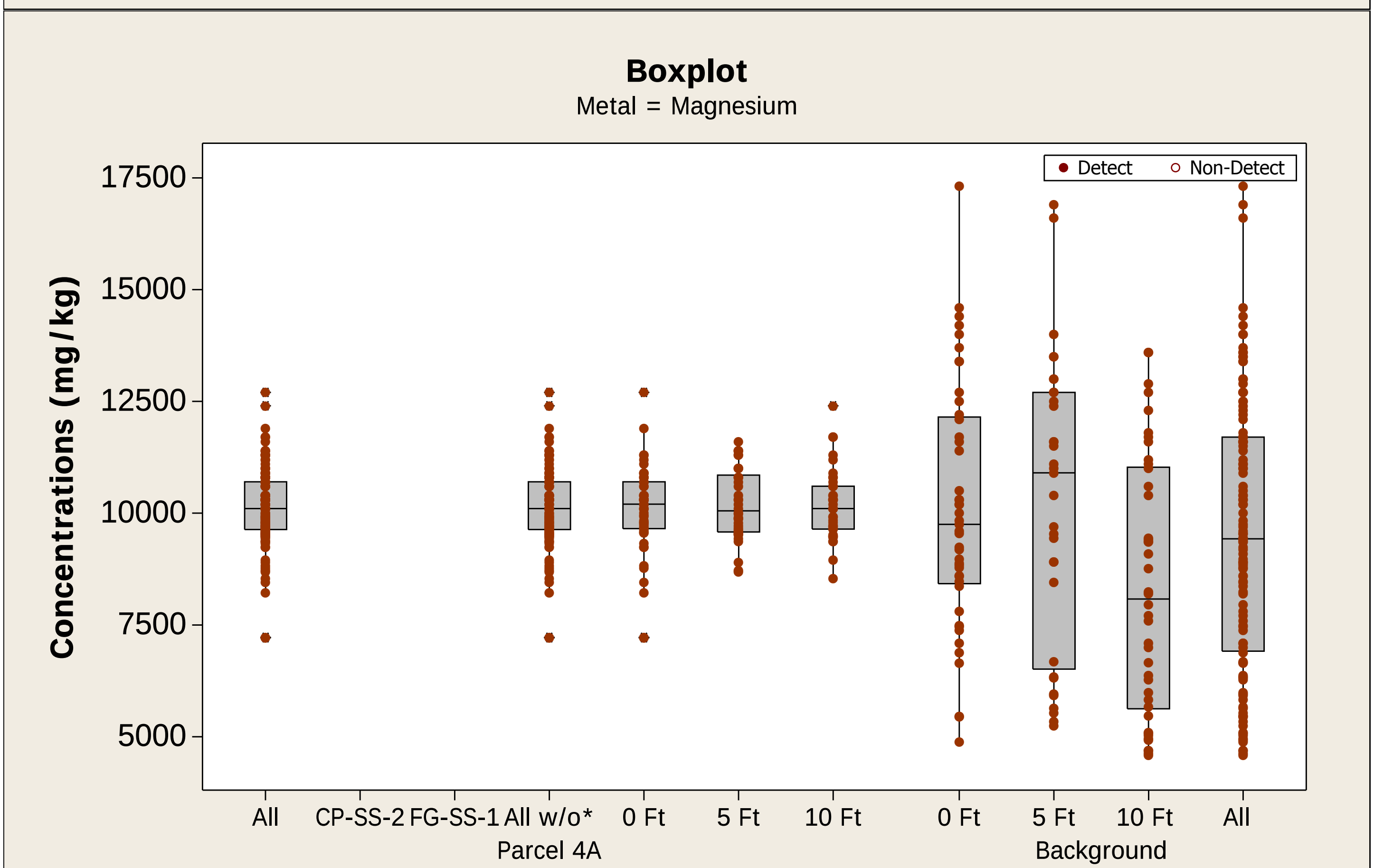
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



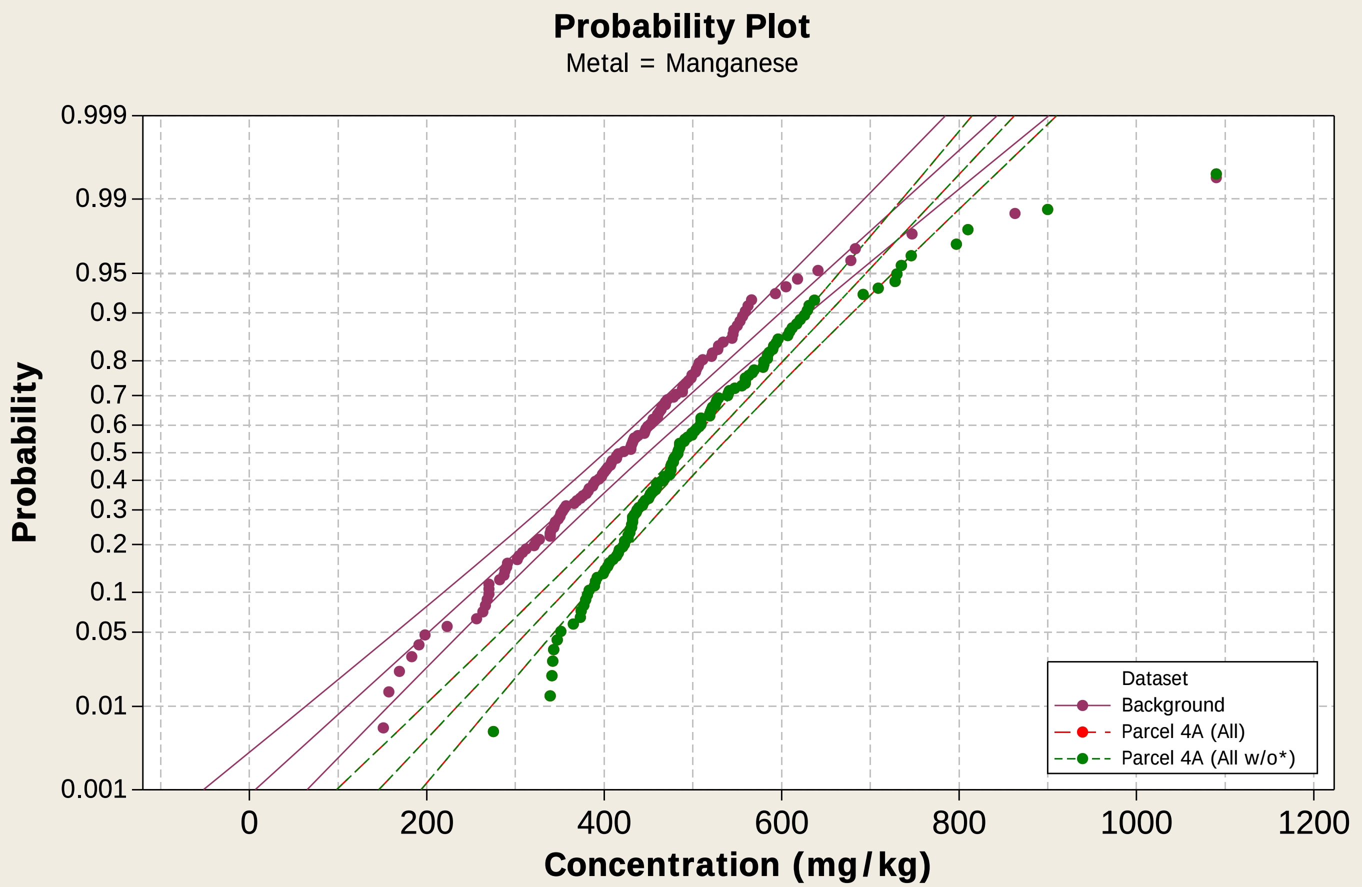


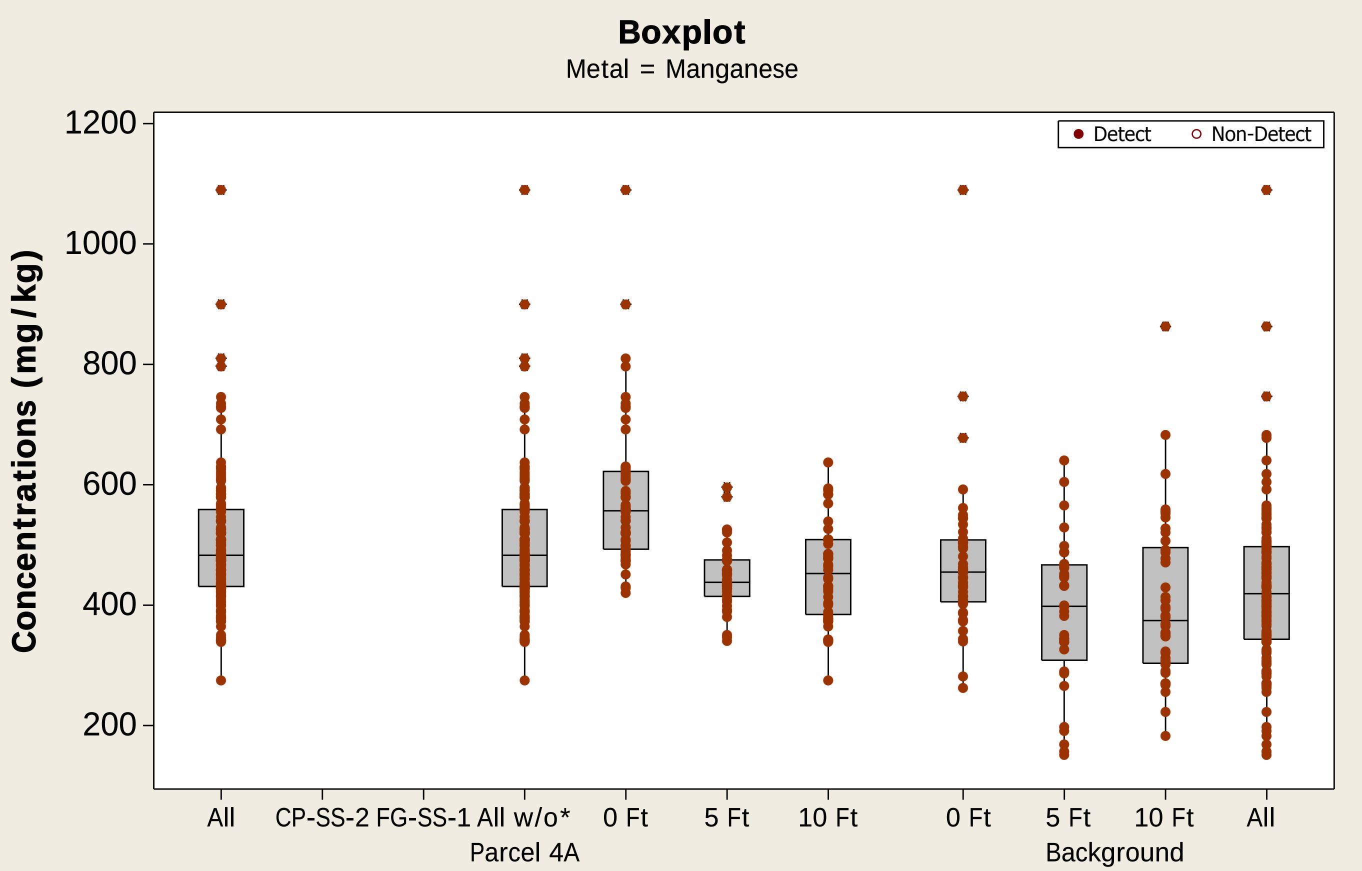
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.



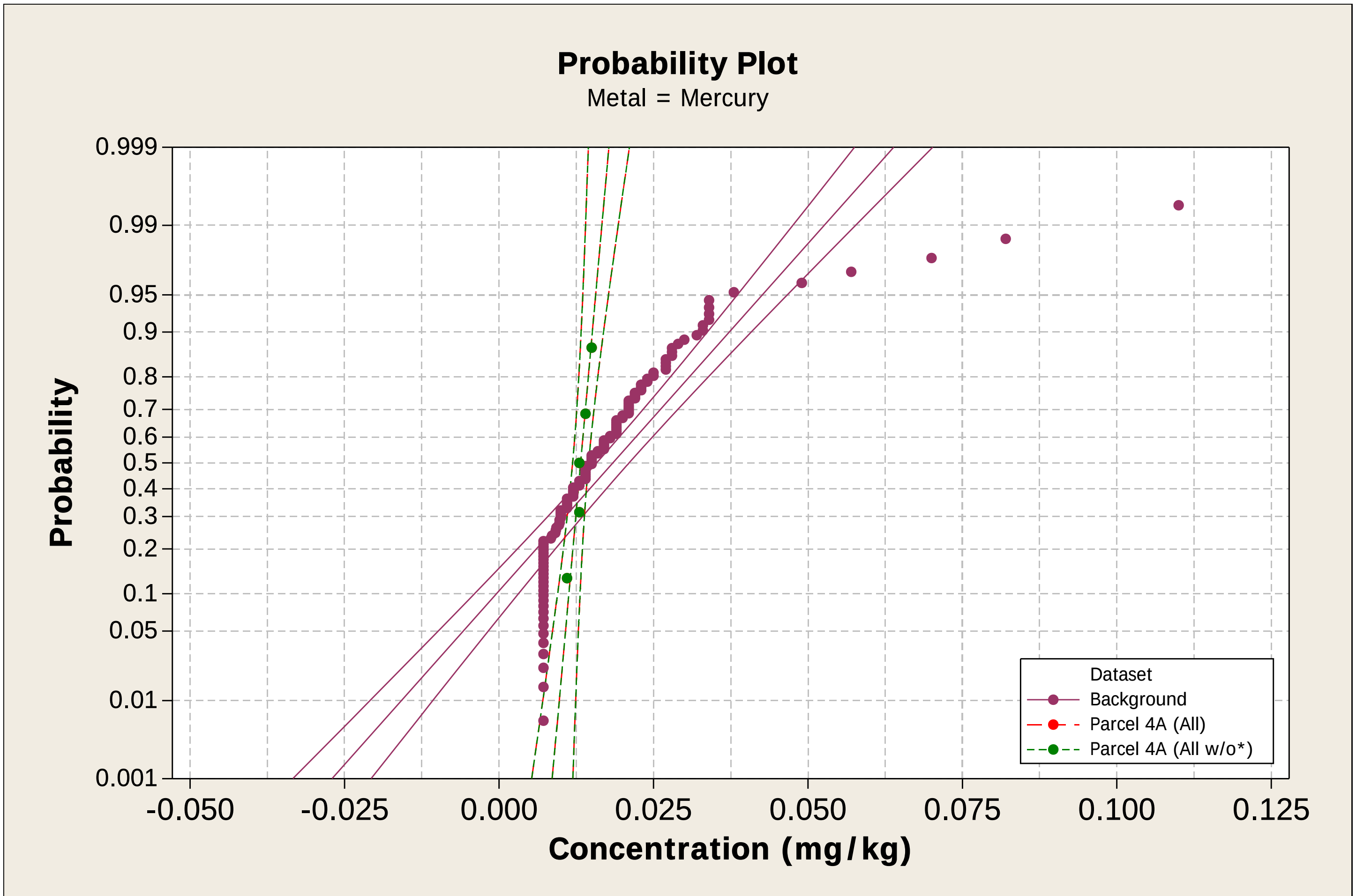


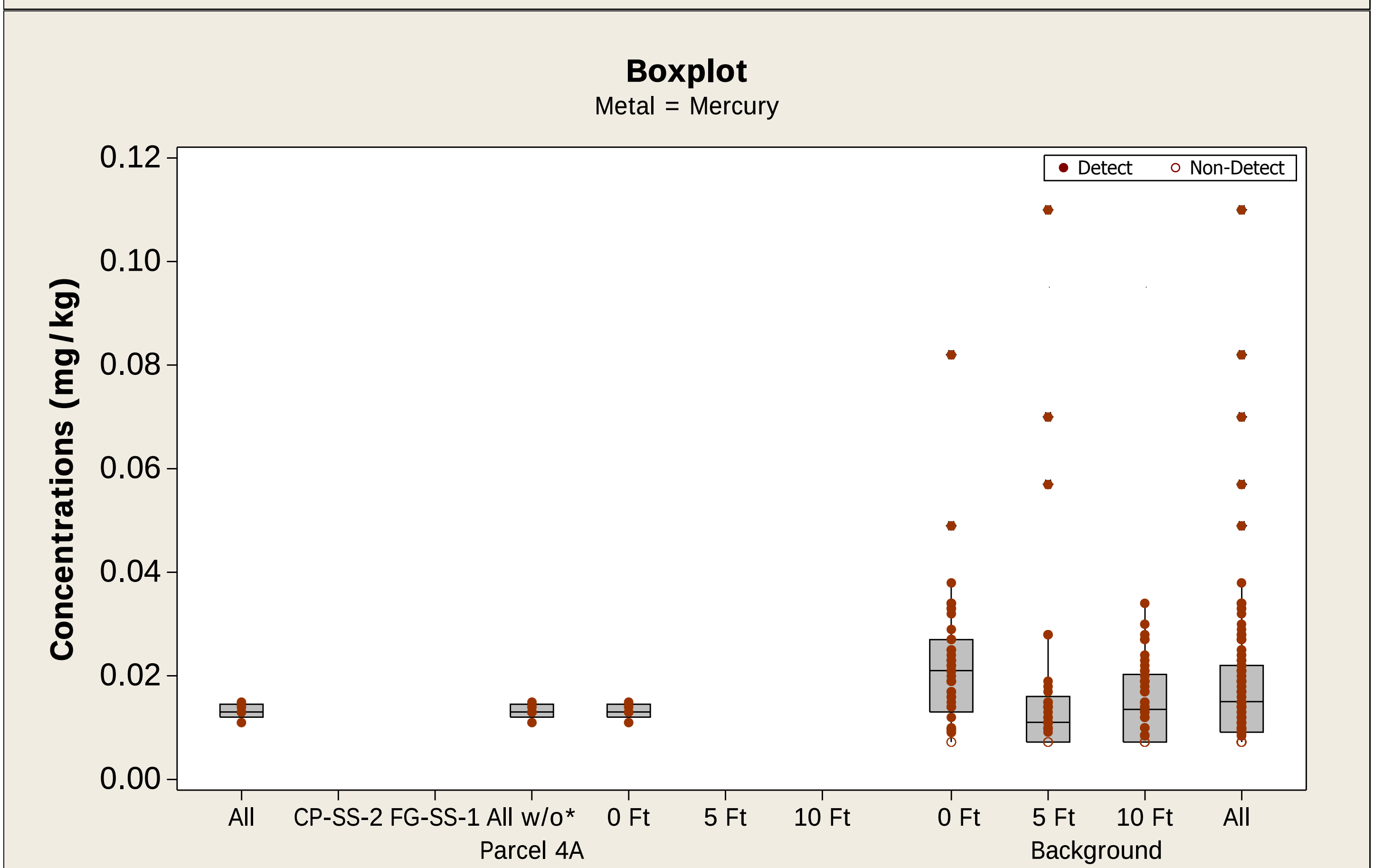
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.





*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.





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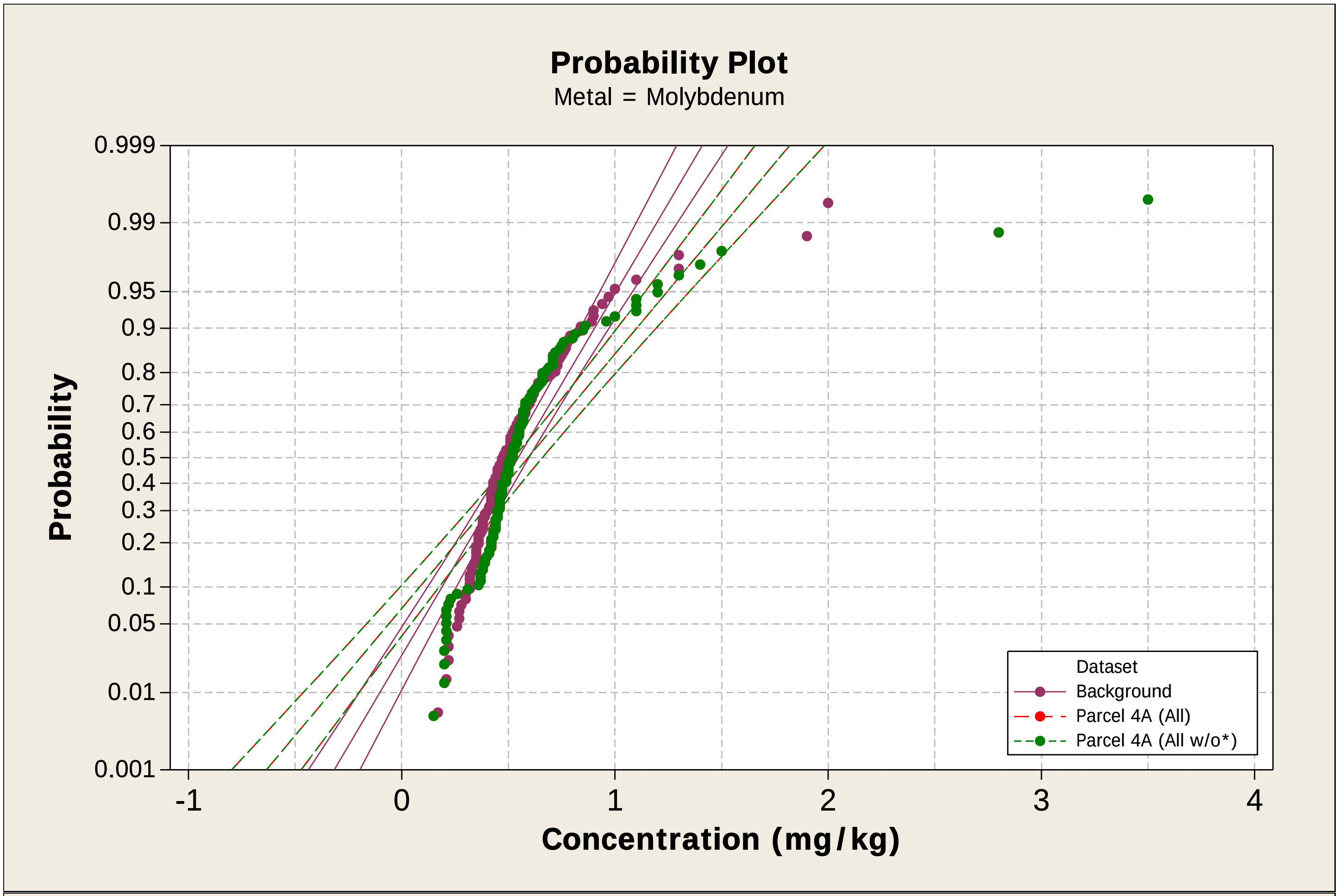

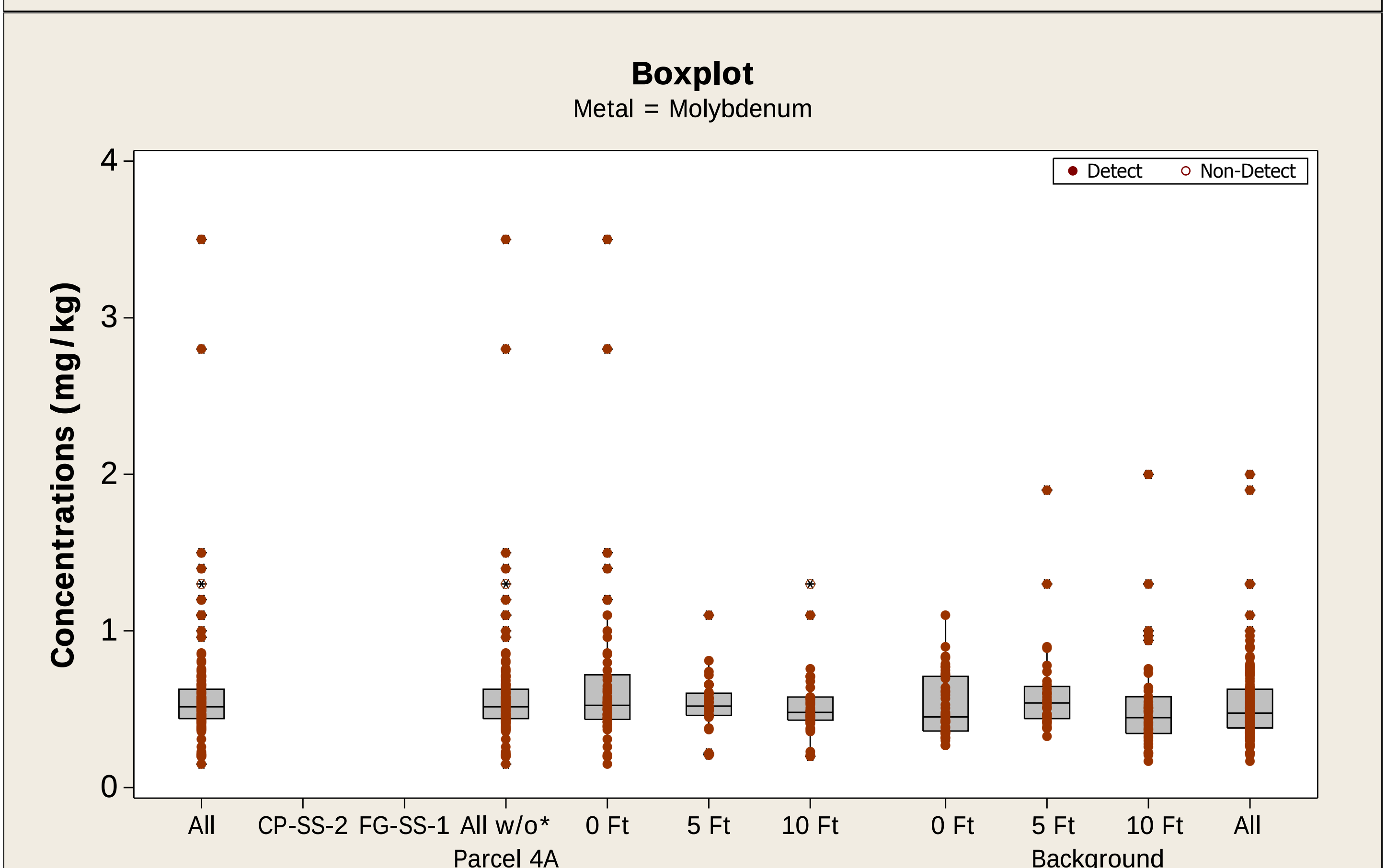

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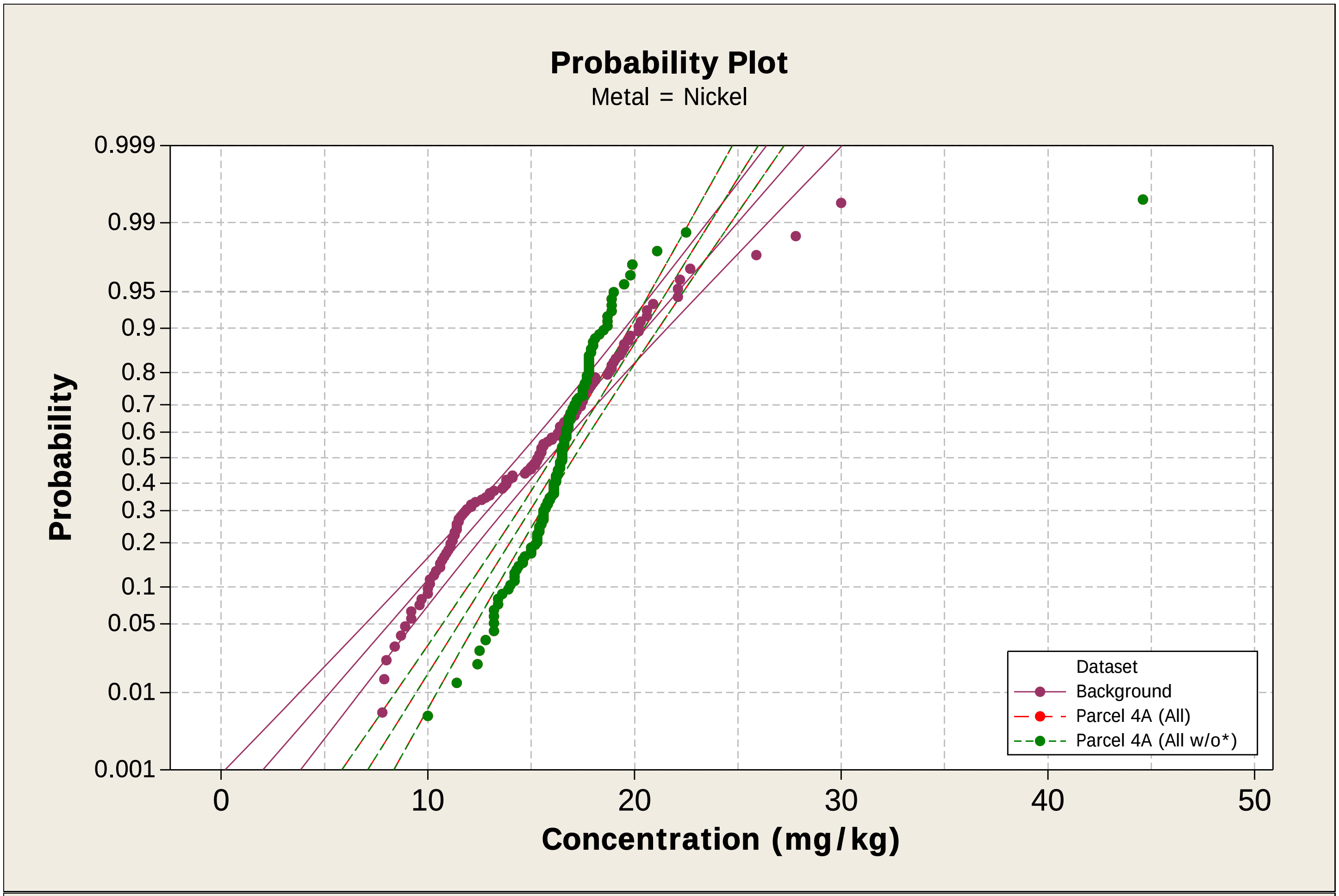

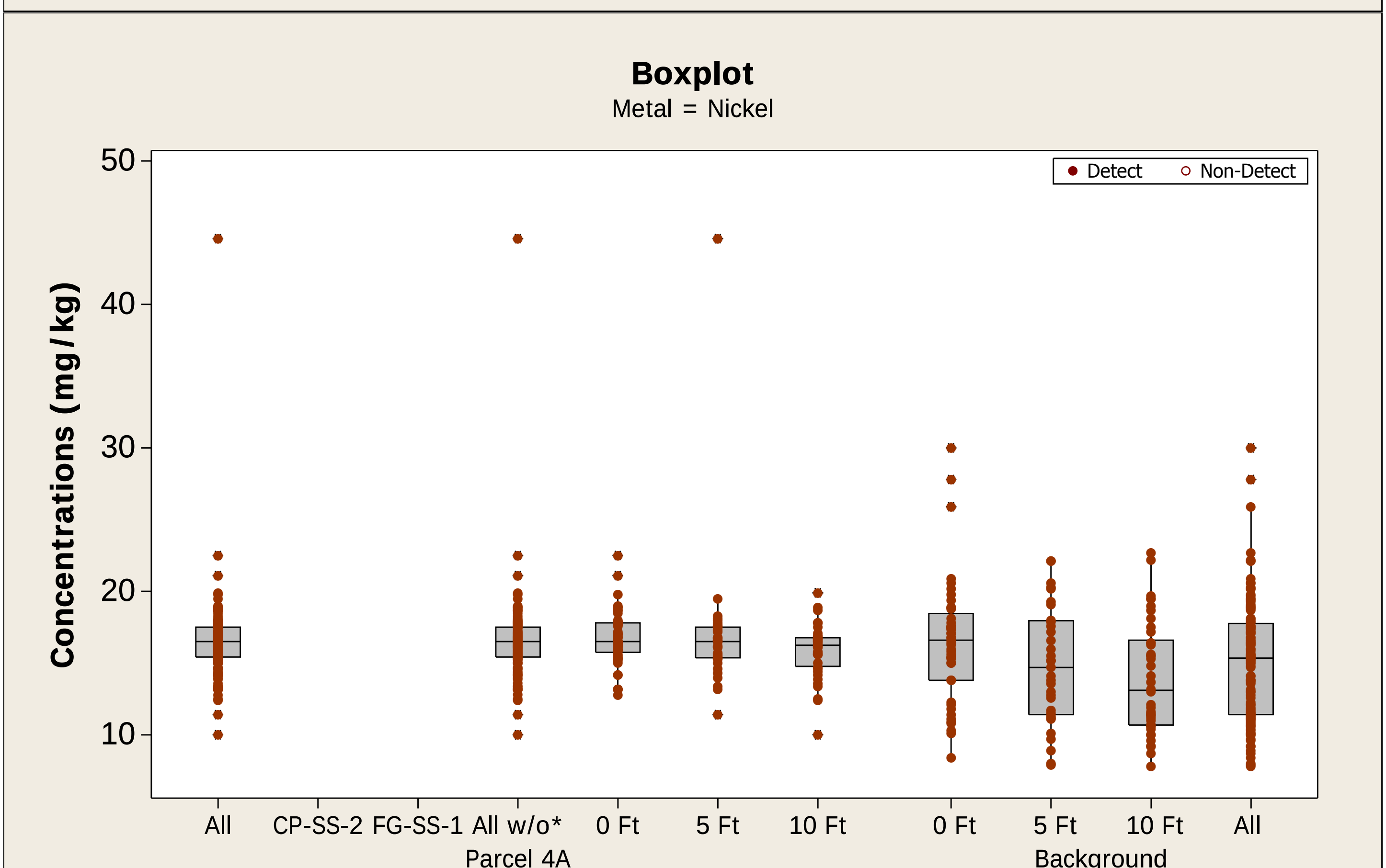

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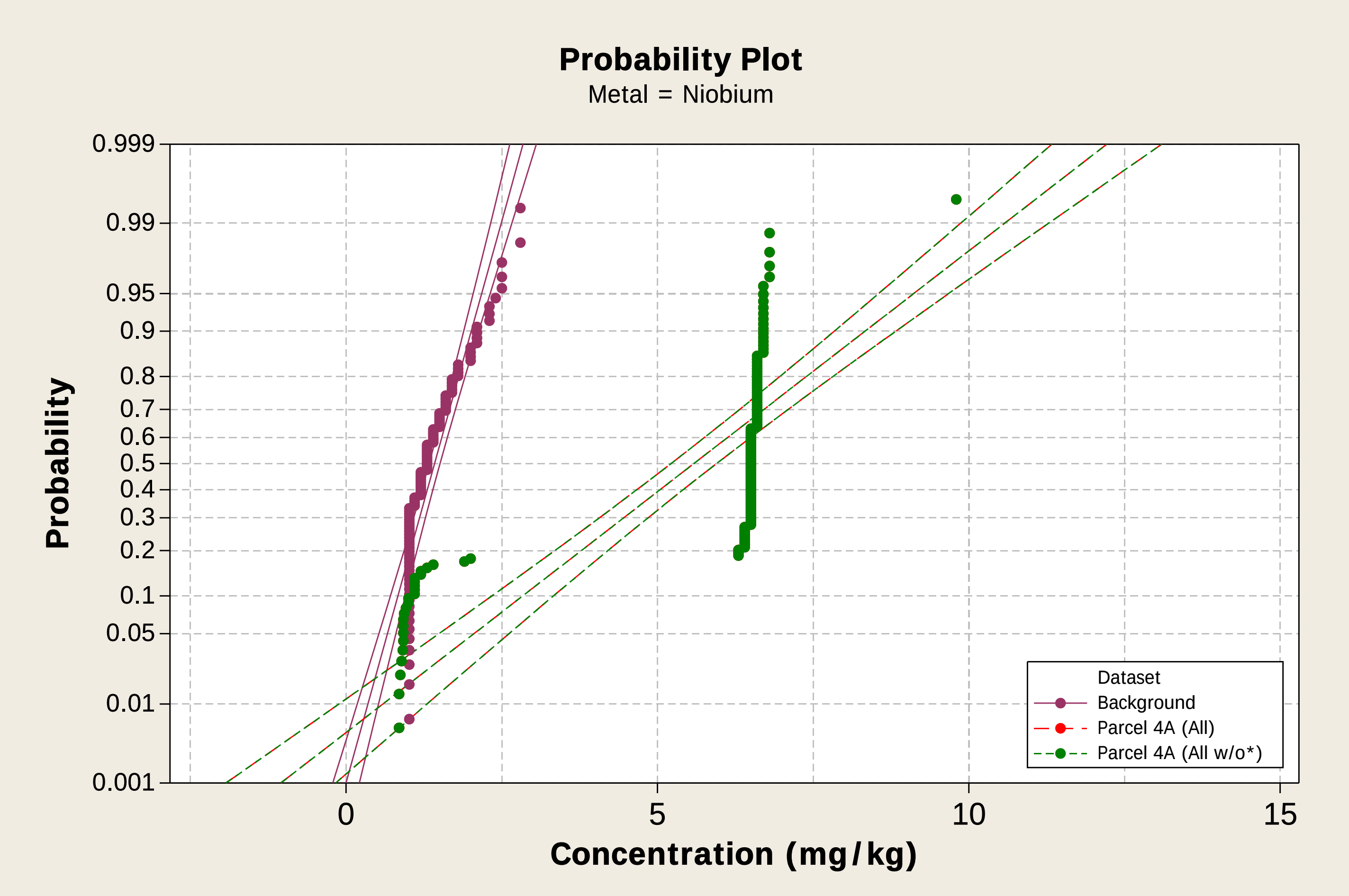

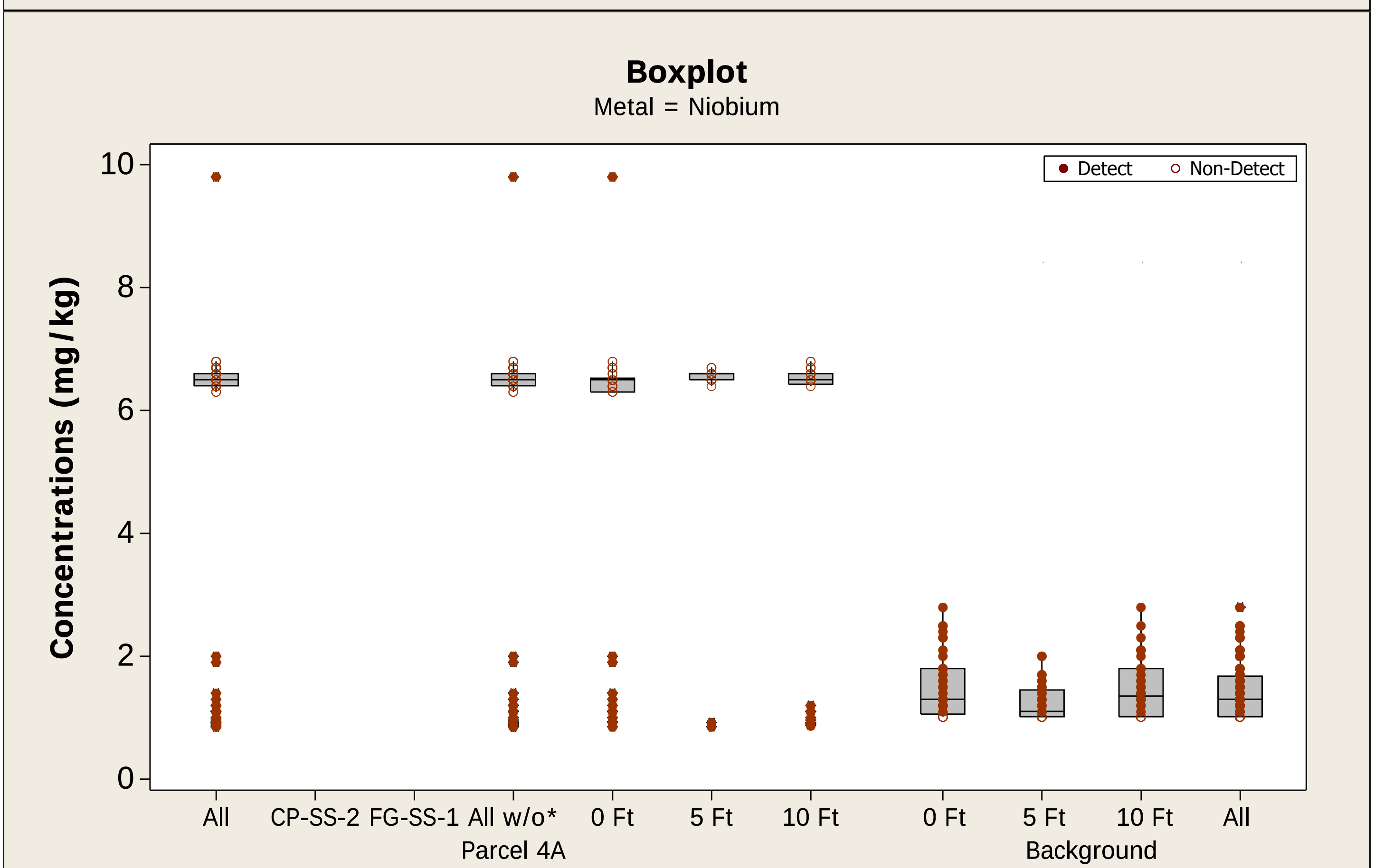

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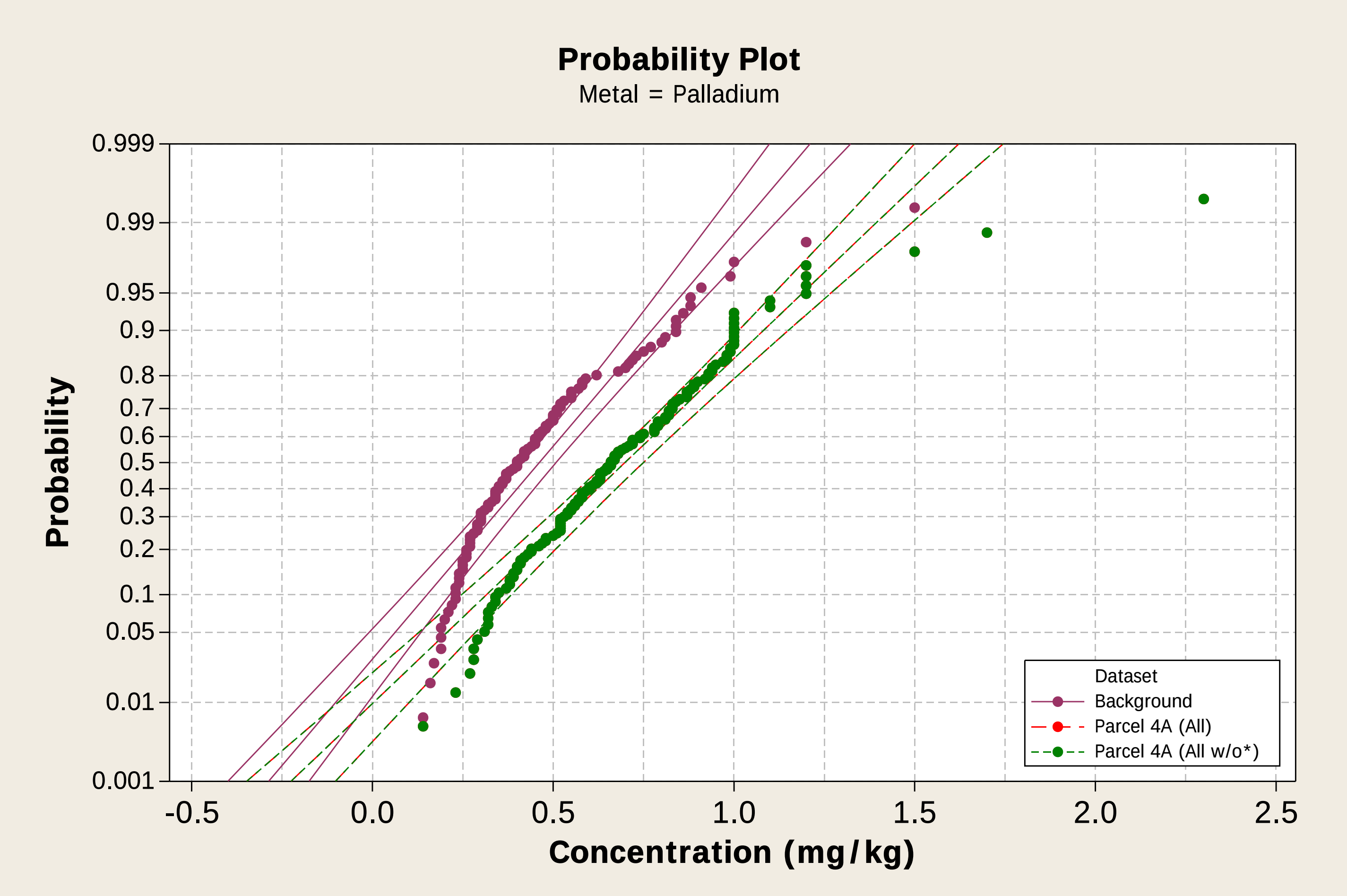

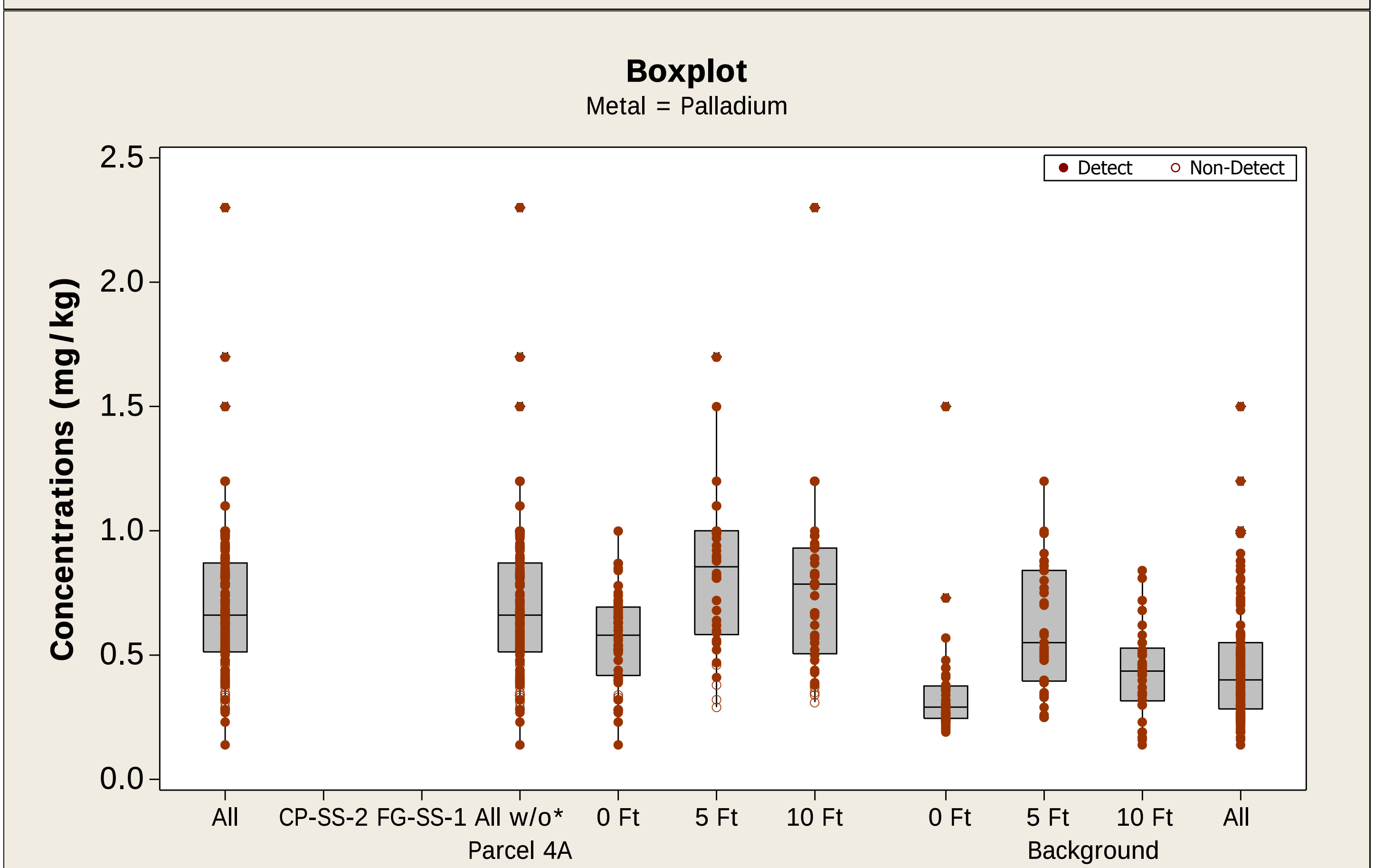

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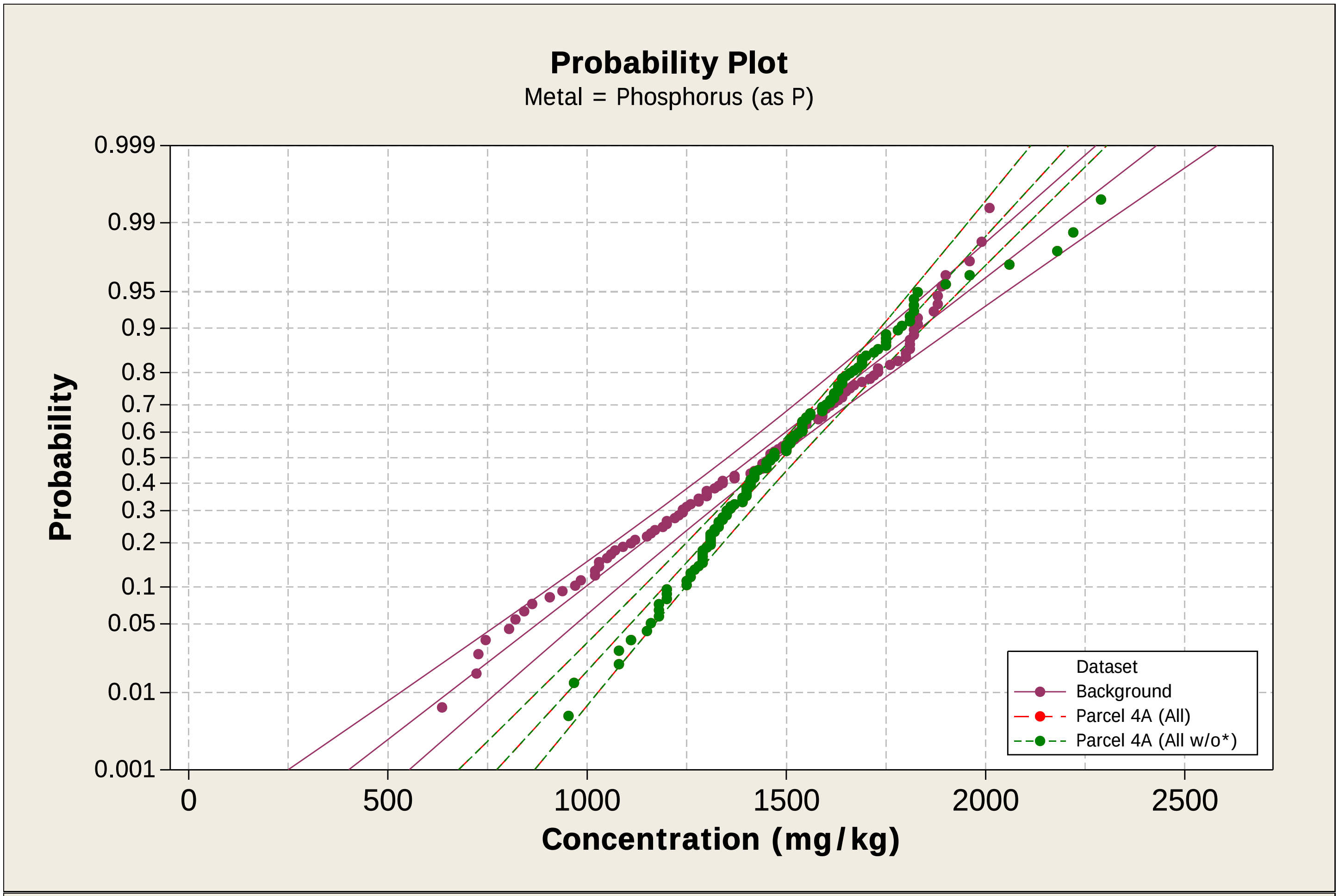

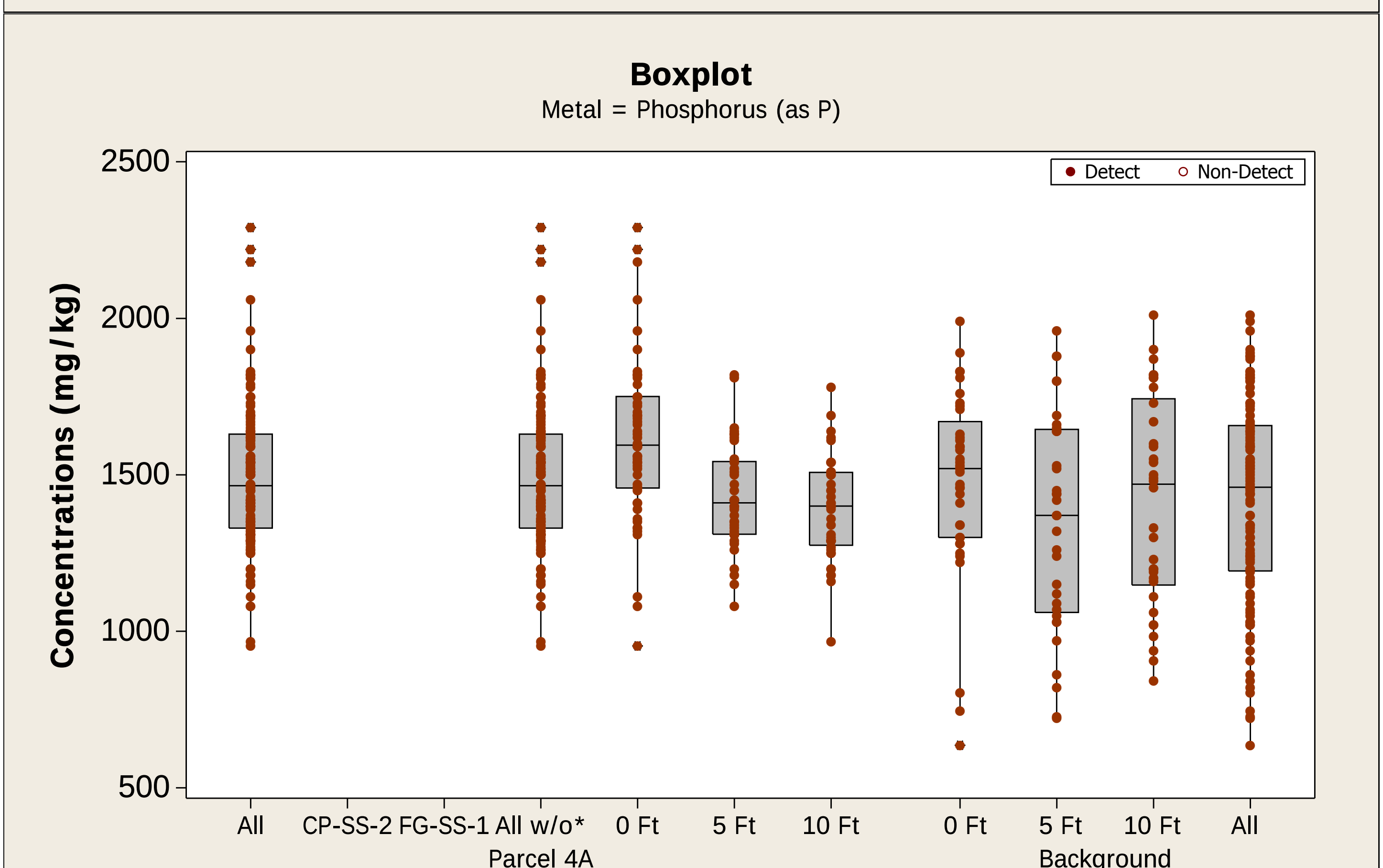

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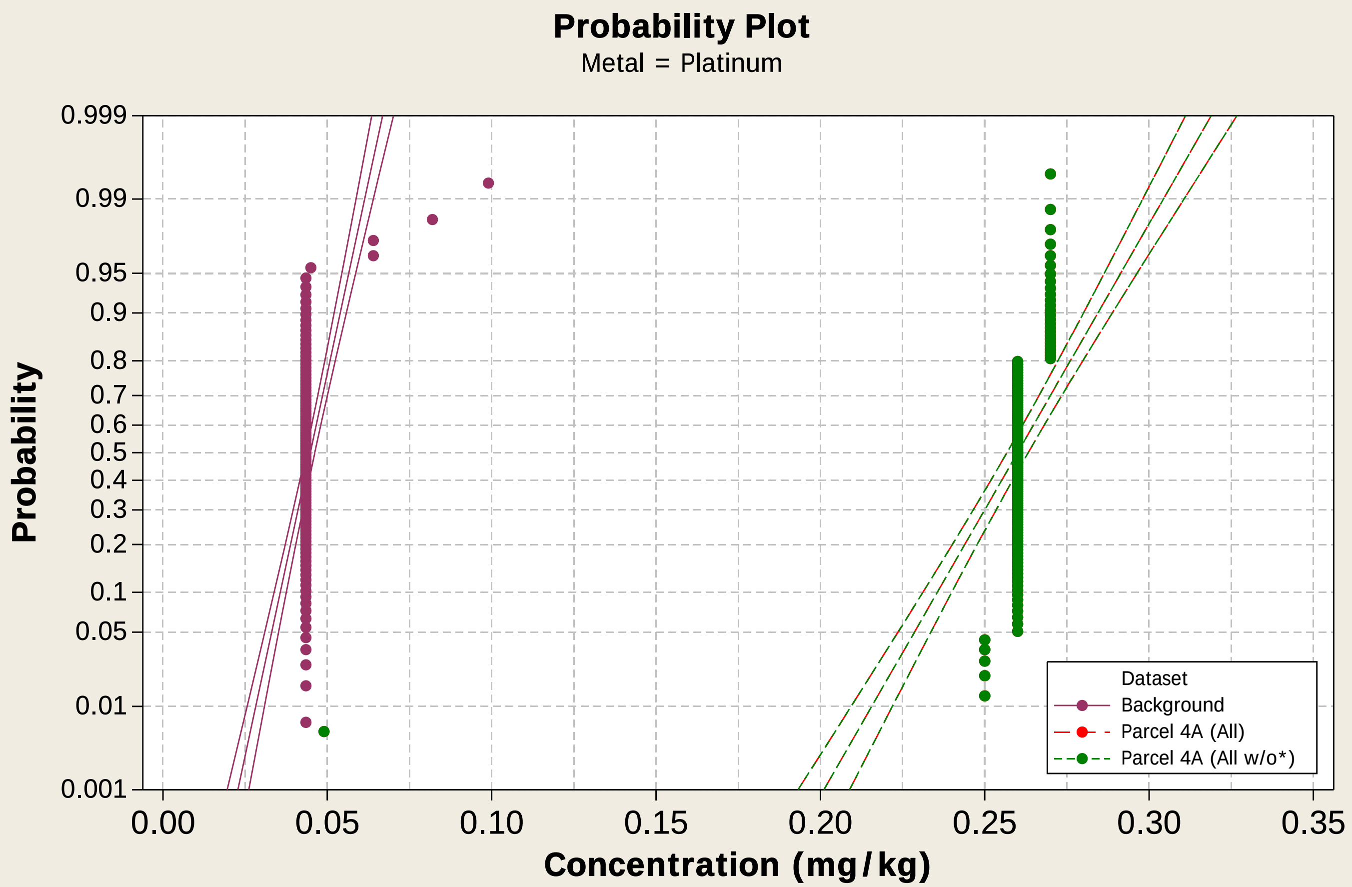

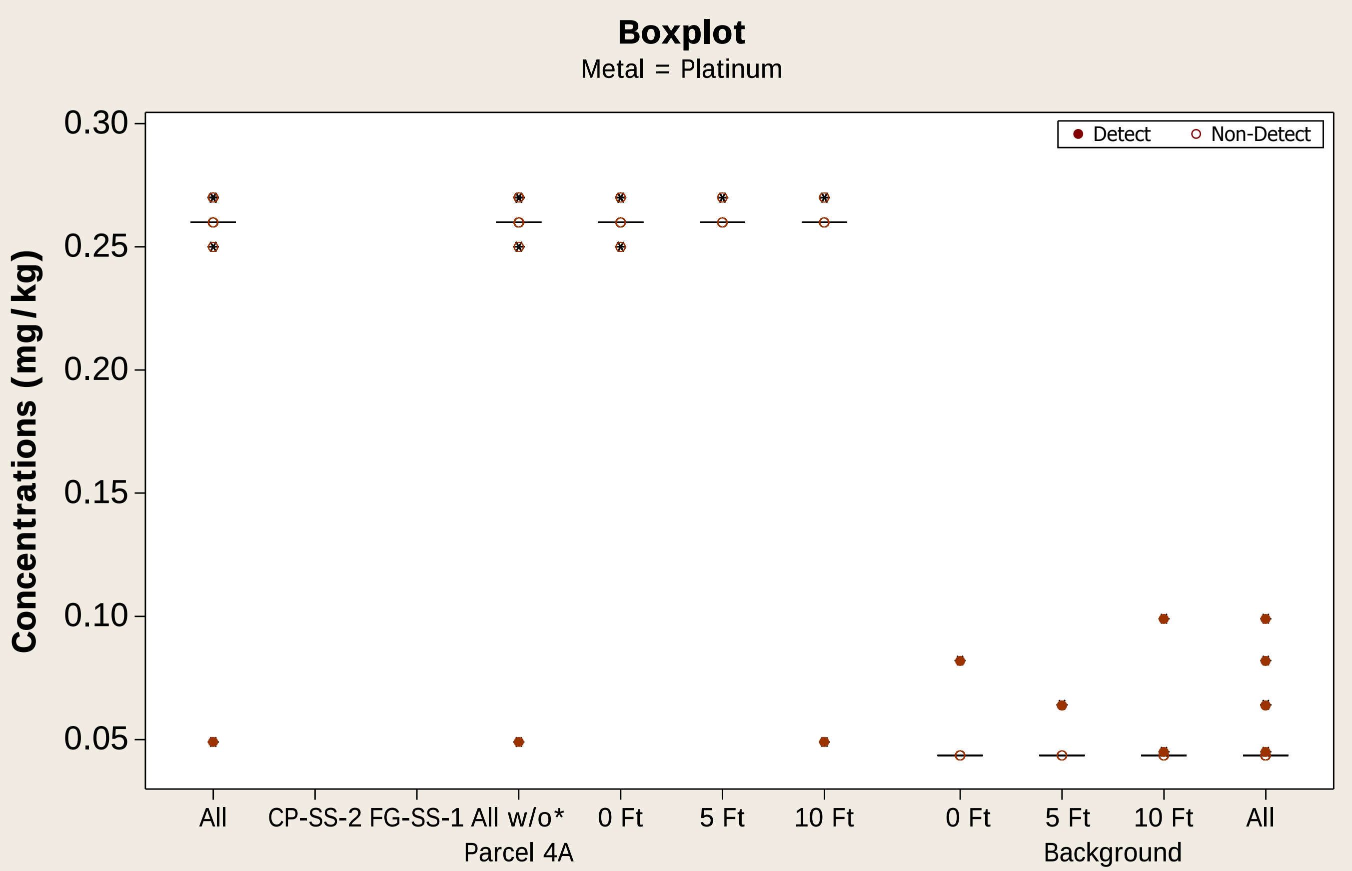

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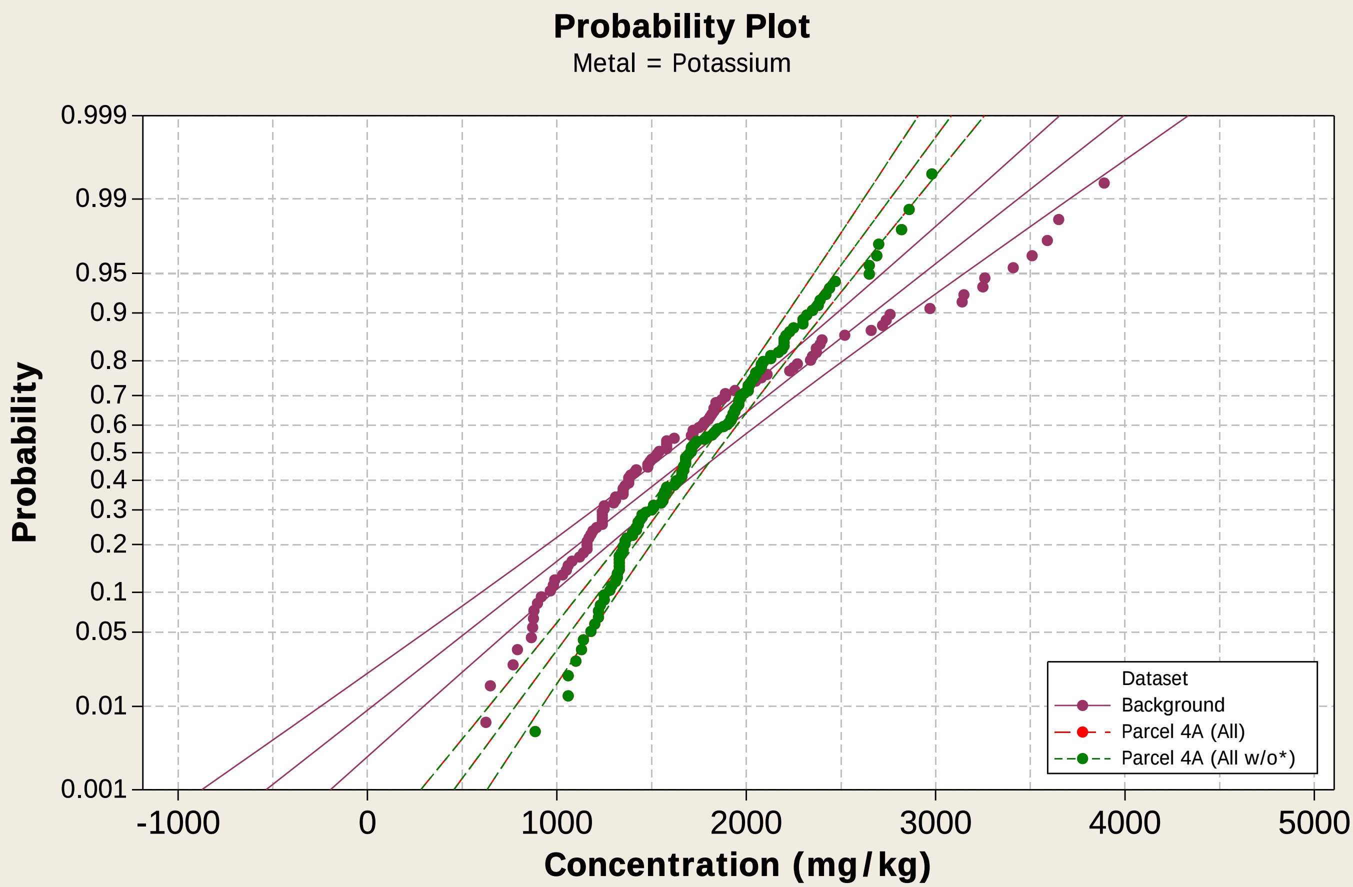

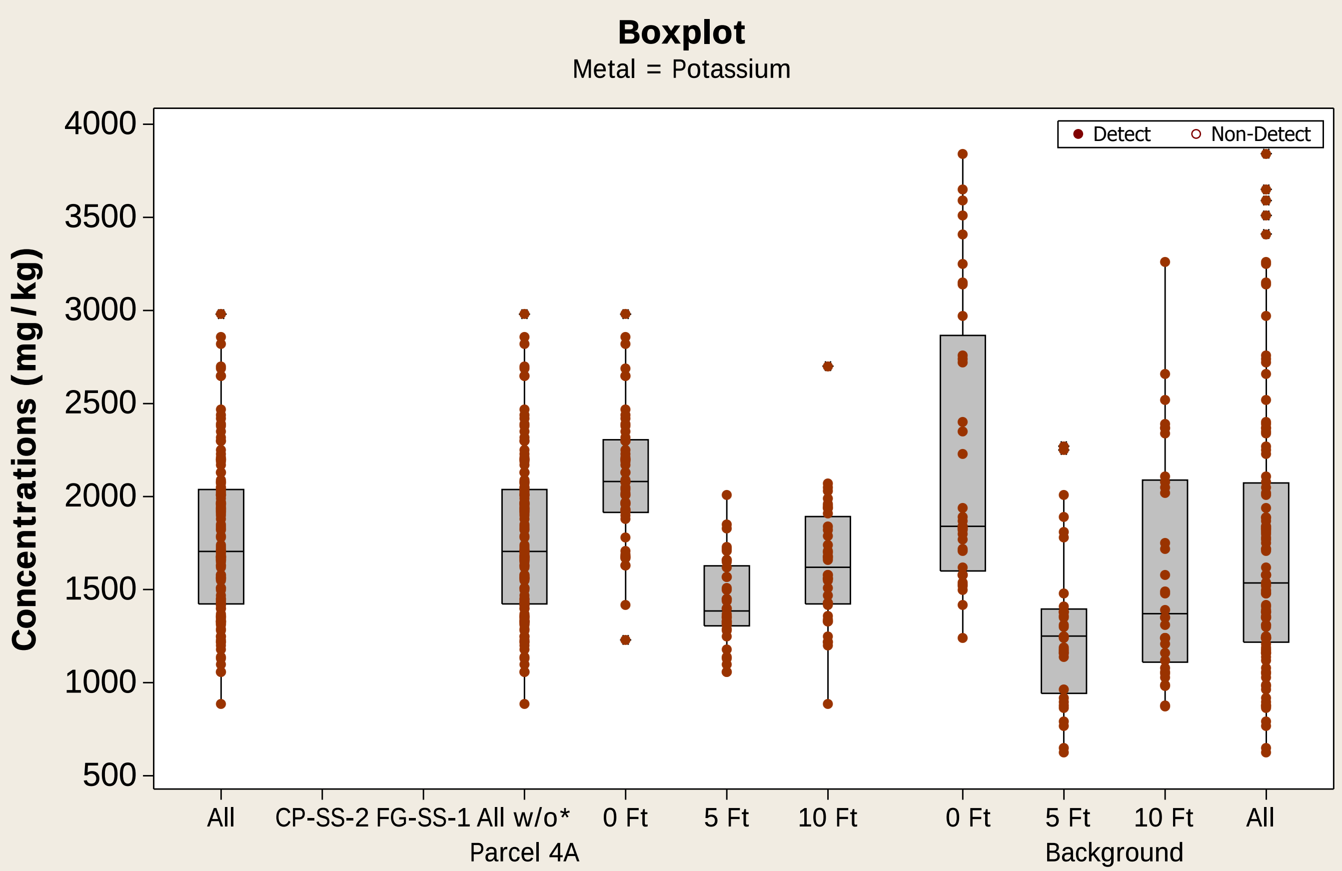

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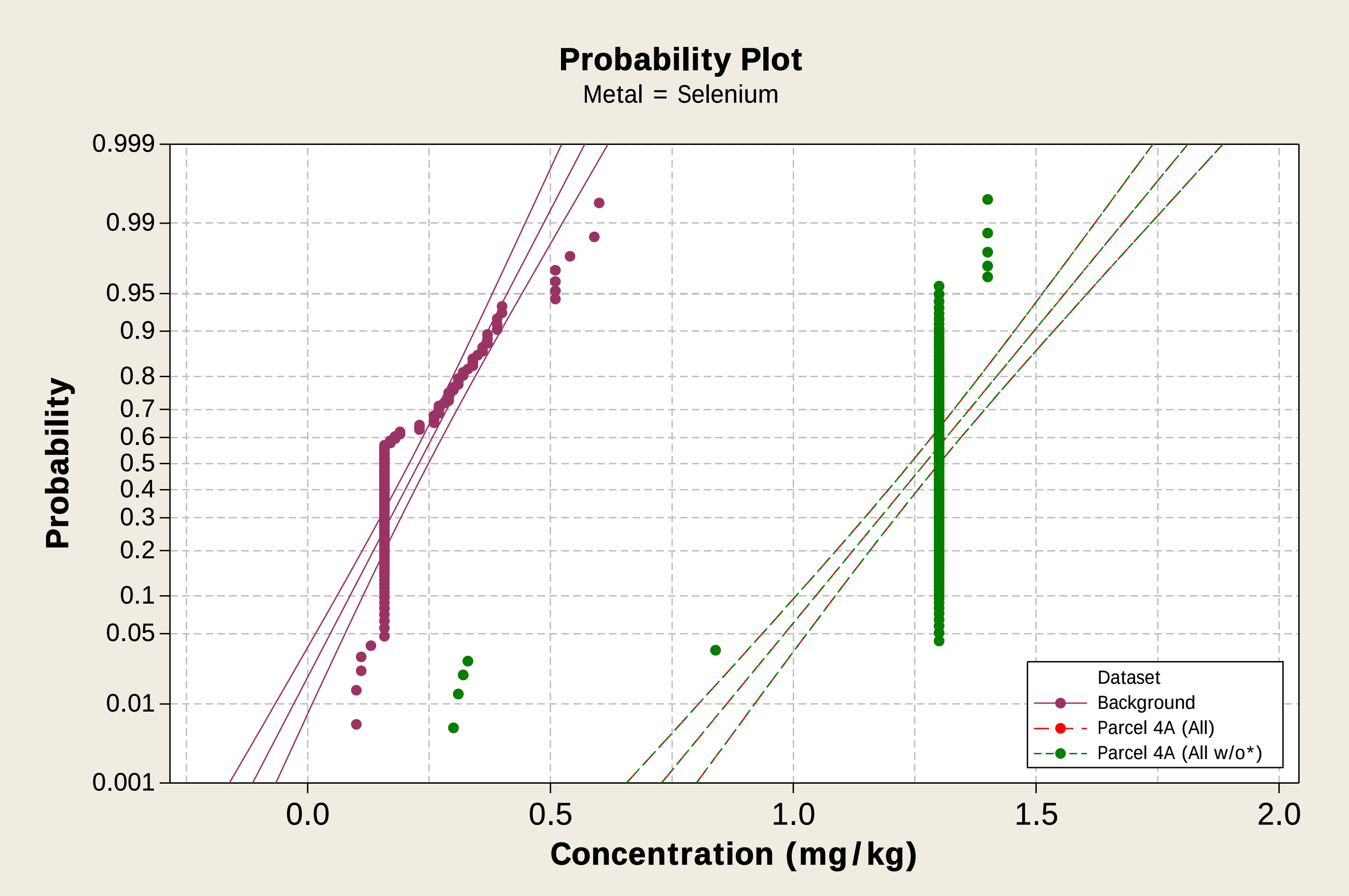

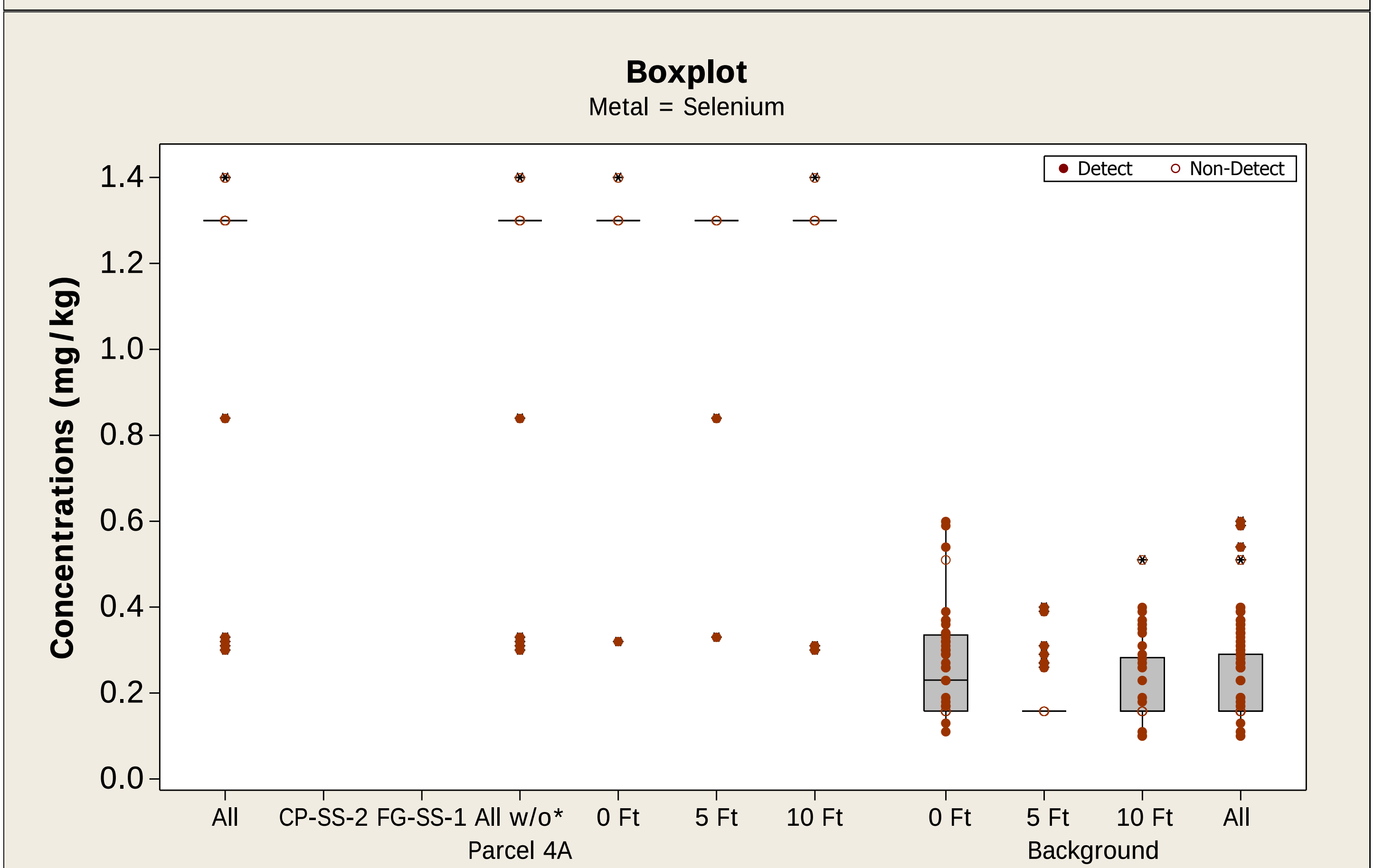

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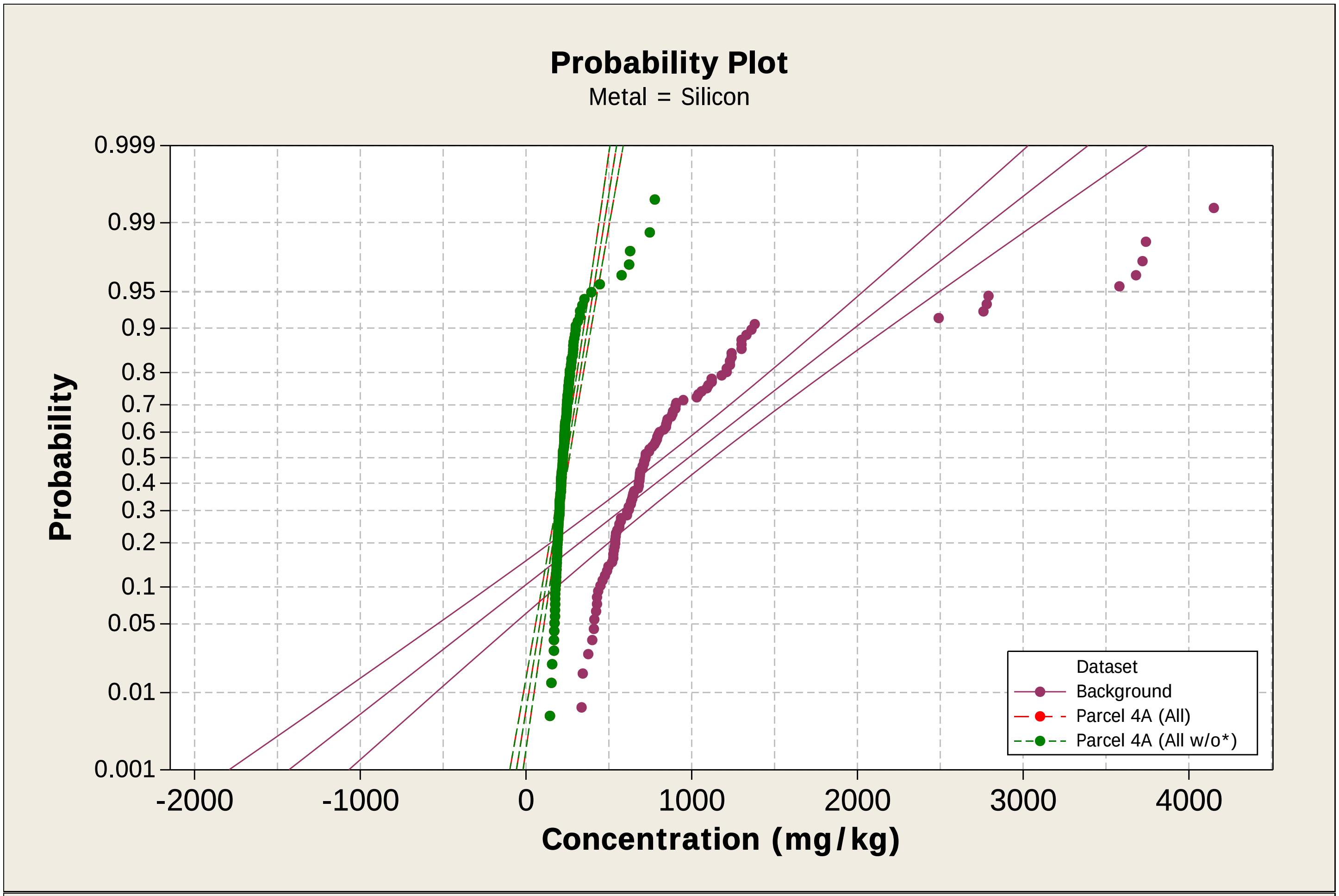

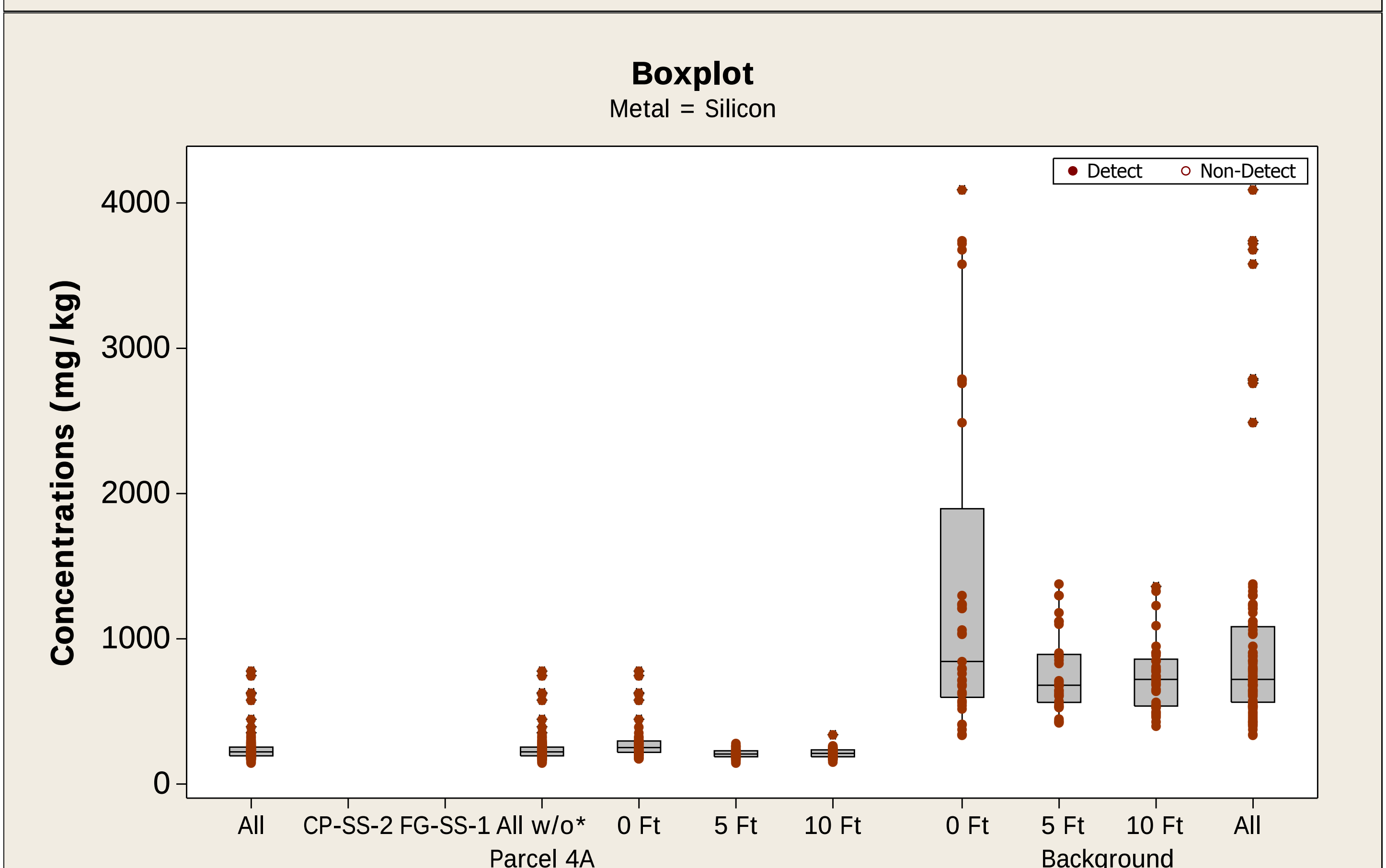

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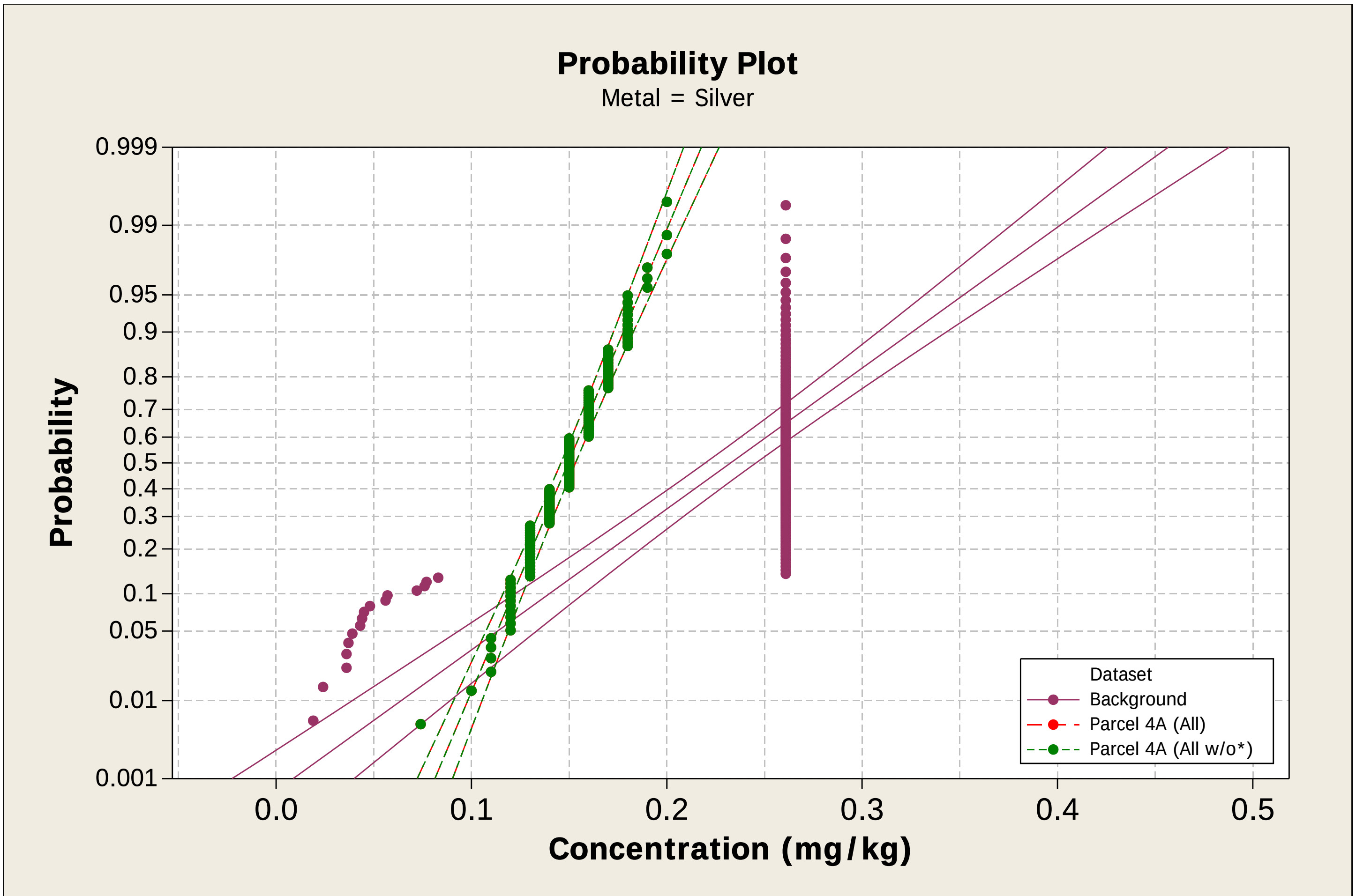
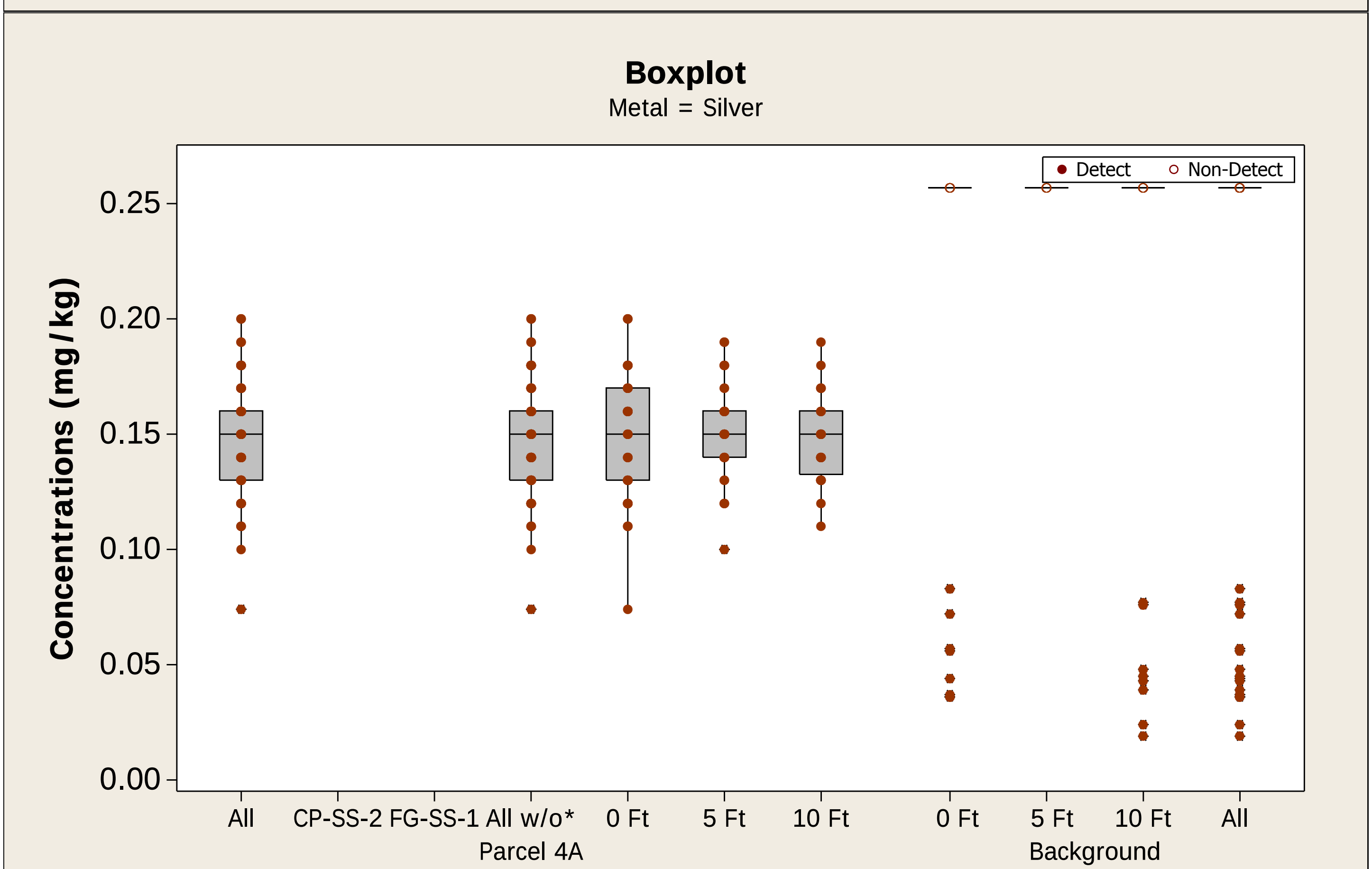
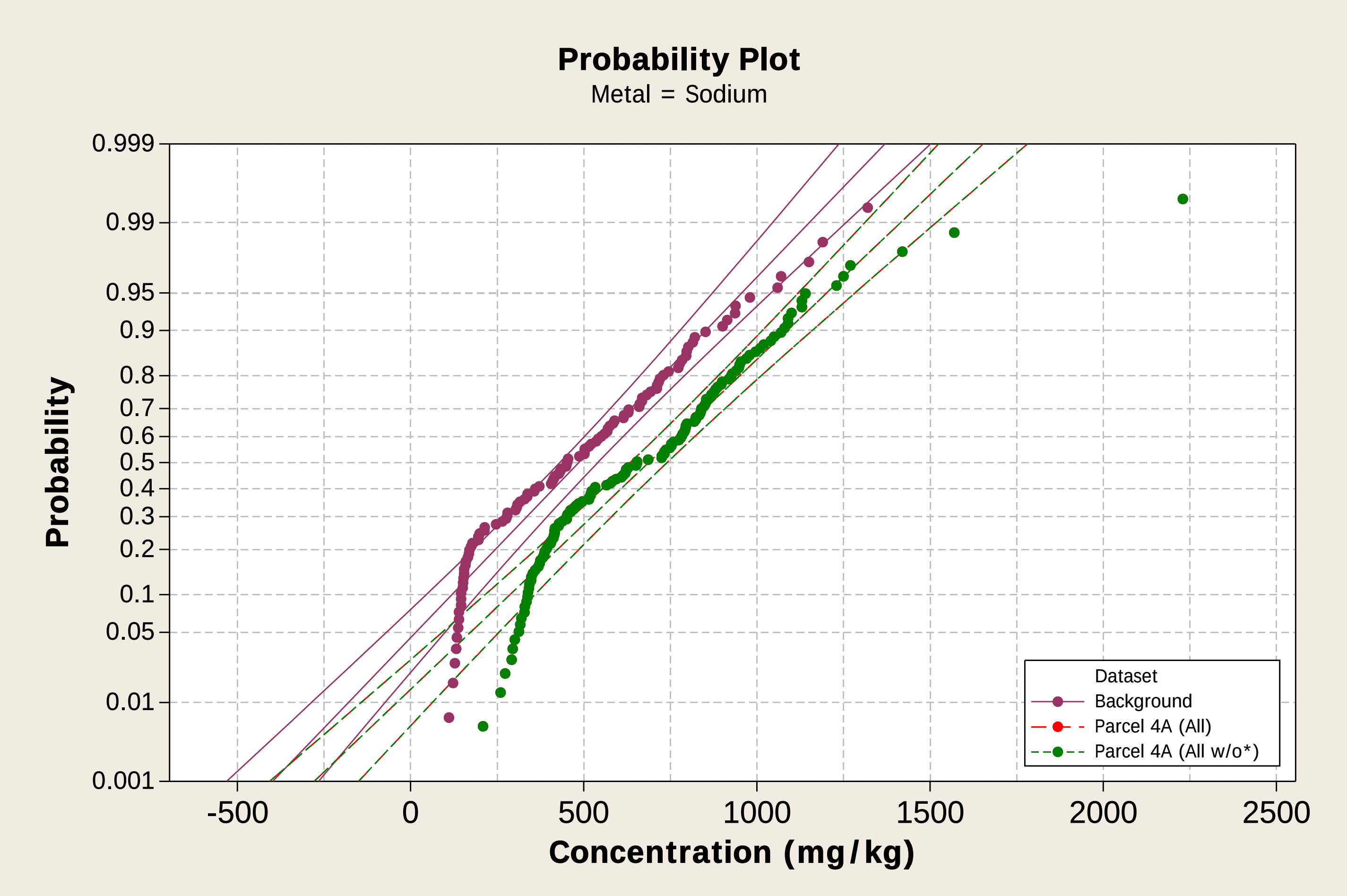
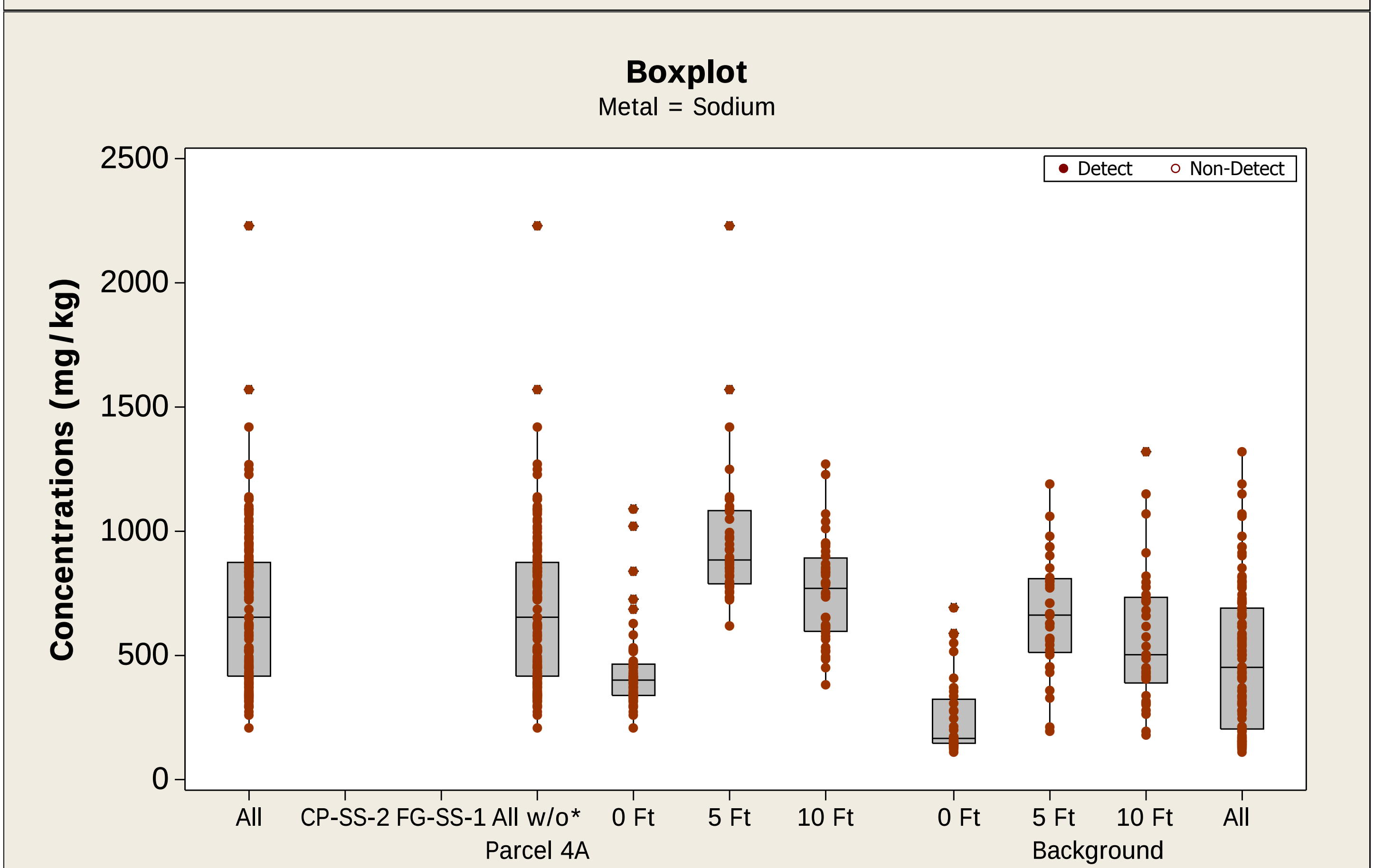




*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.





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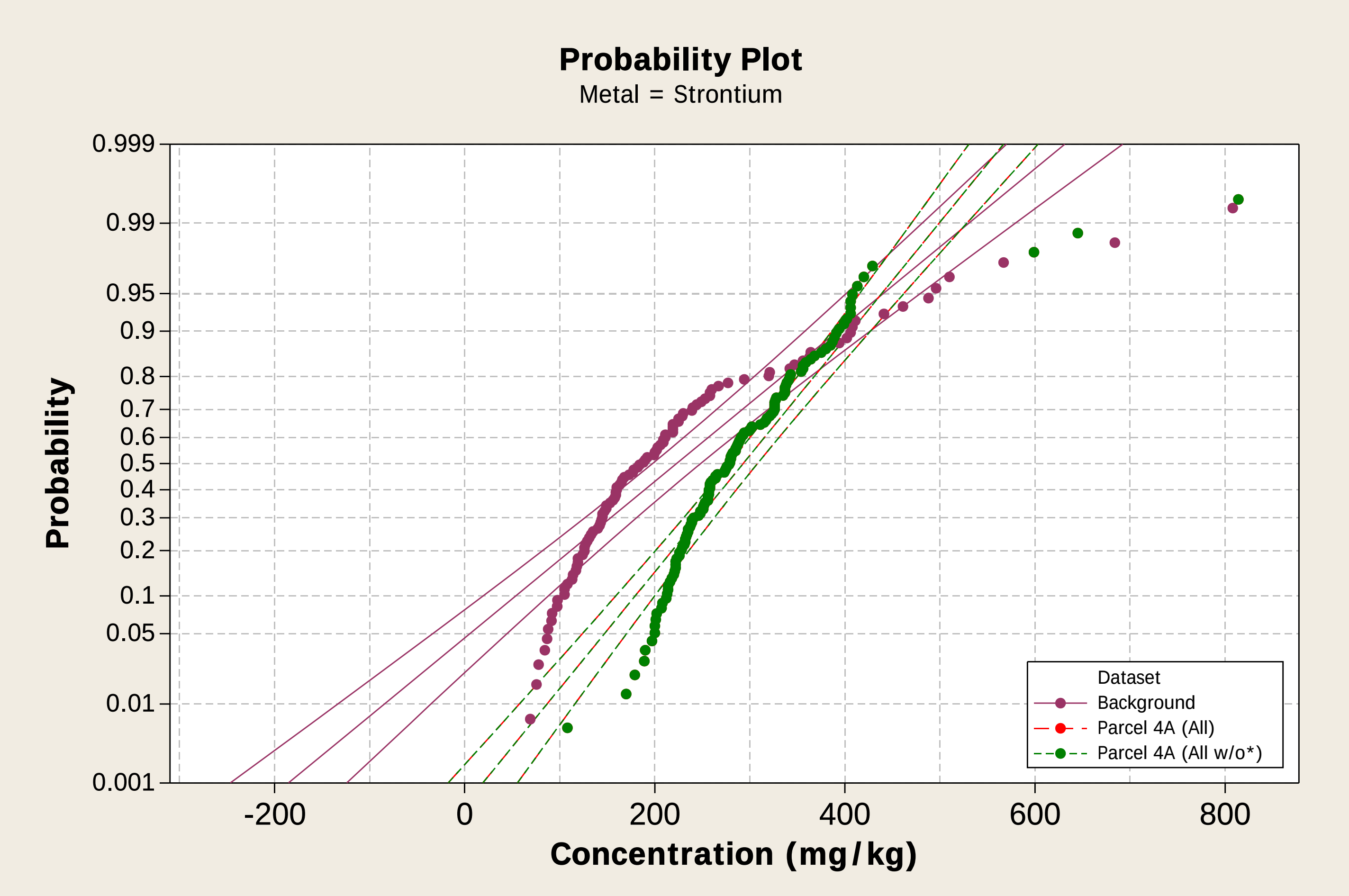

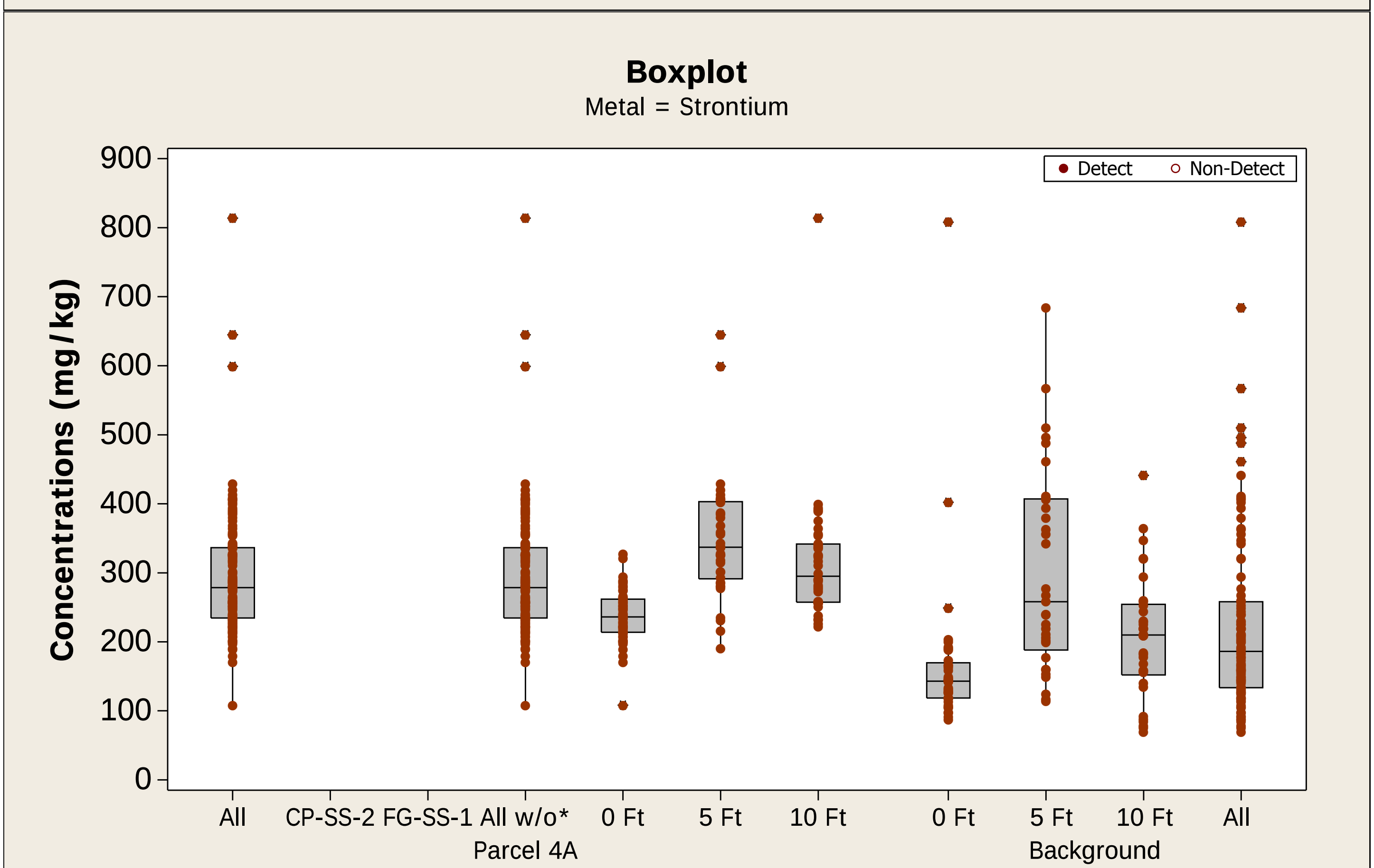

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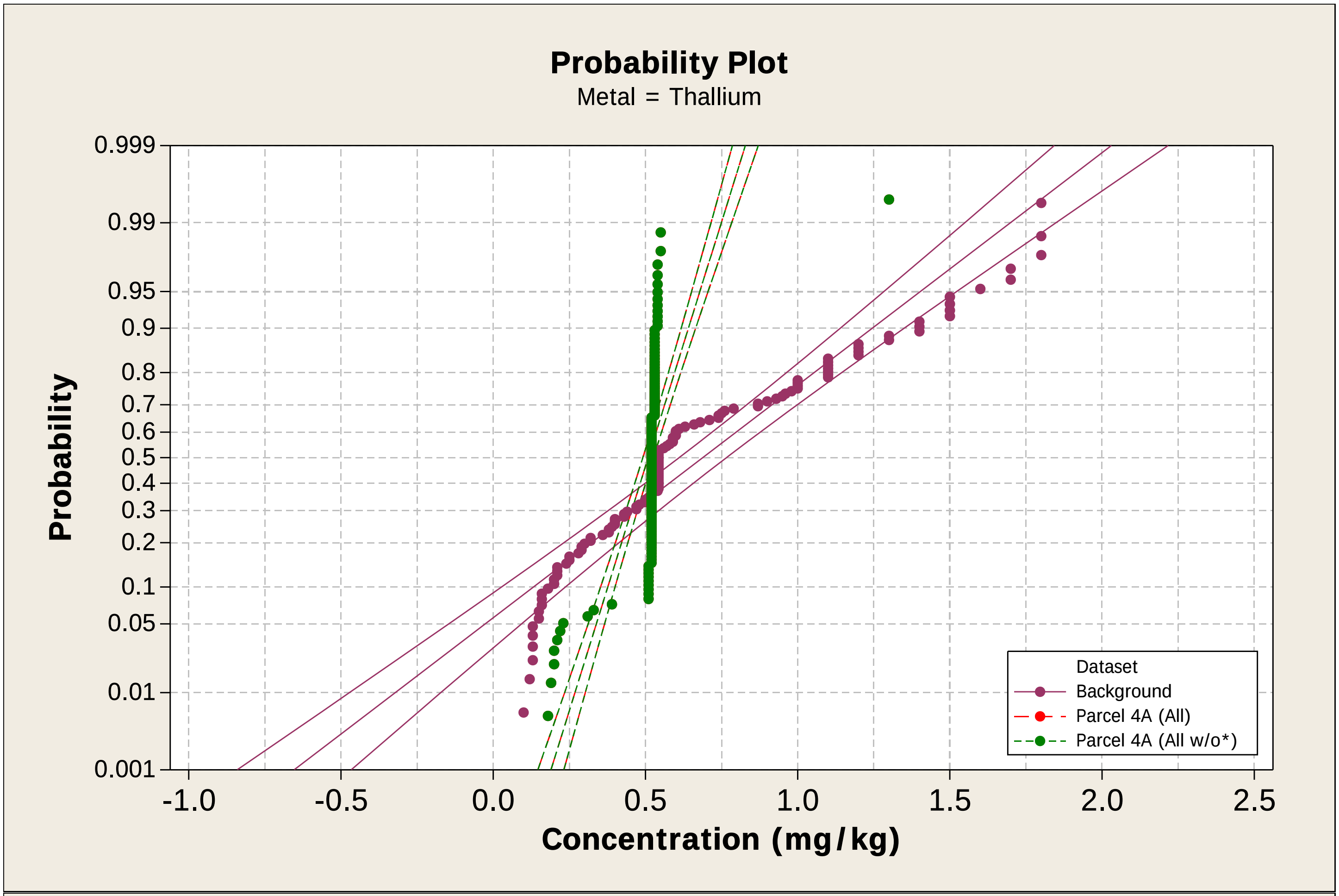

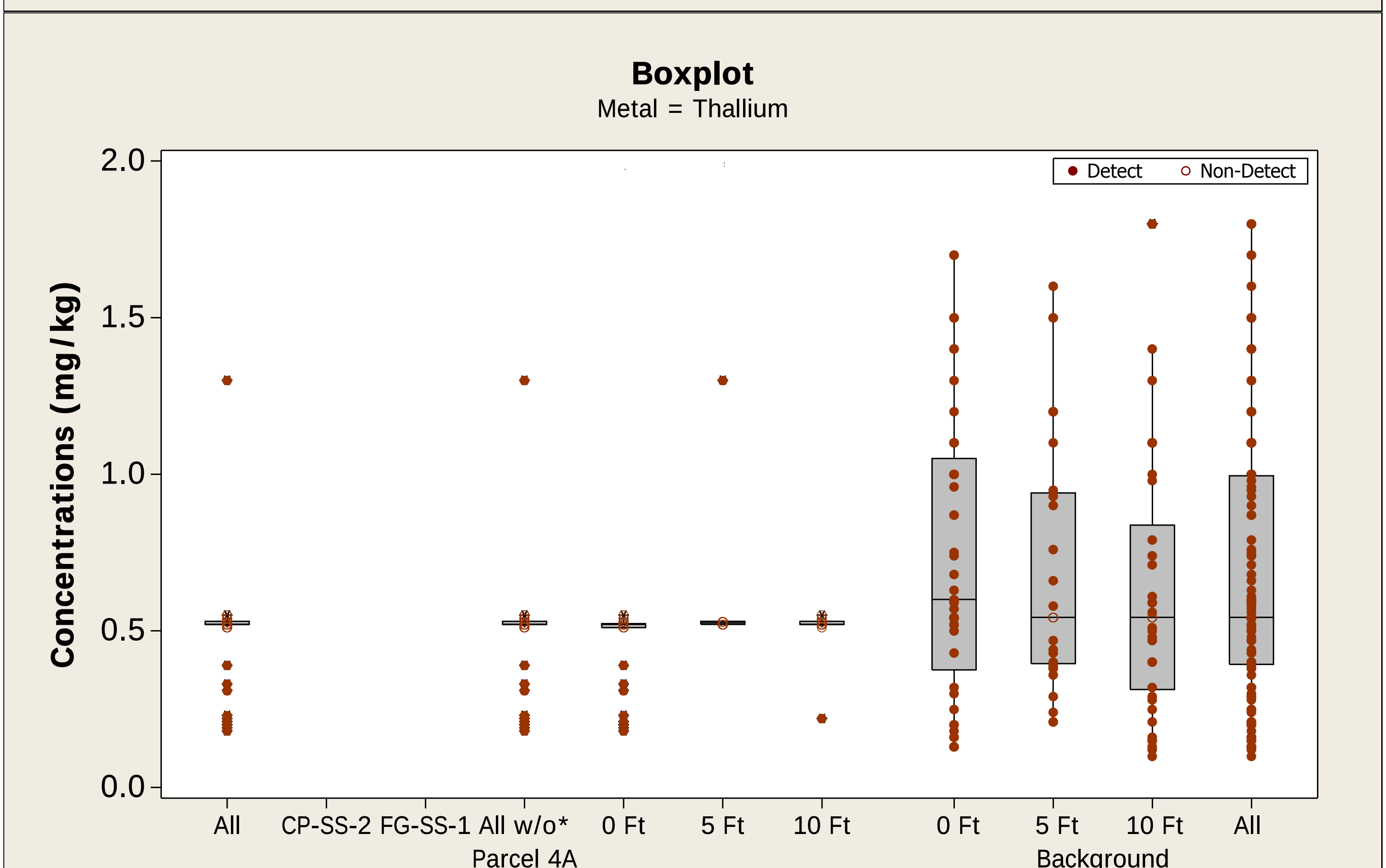

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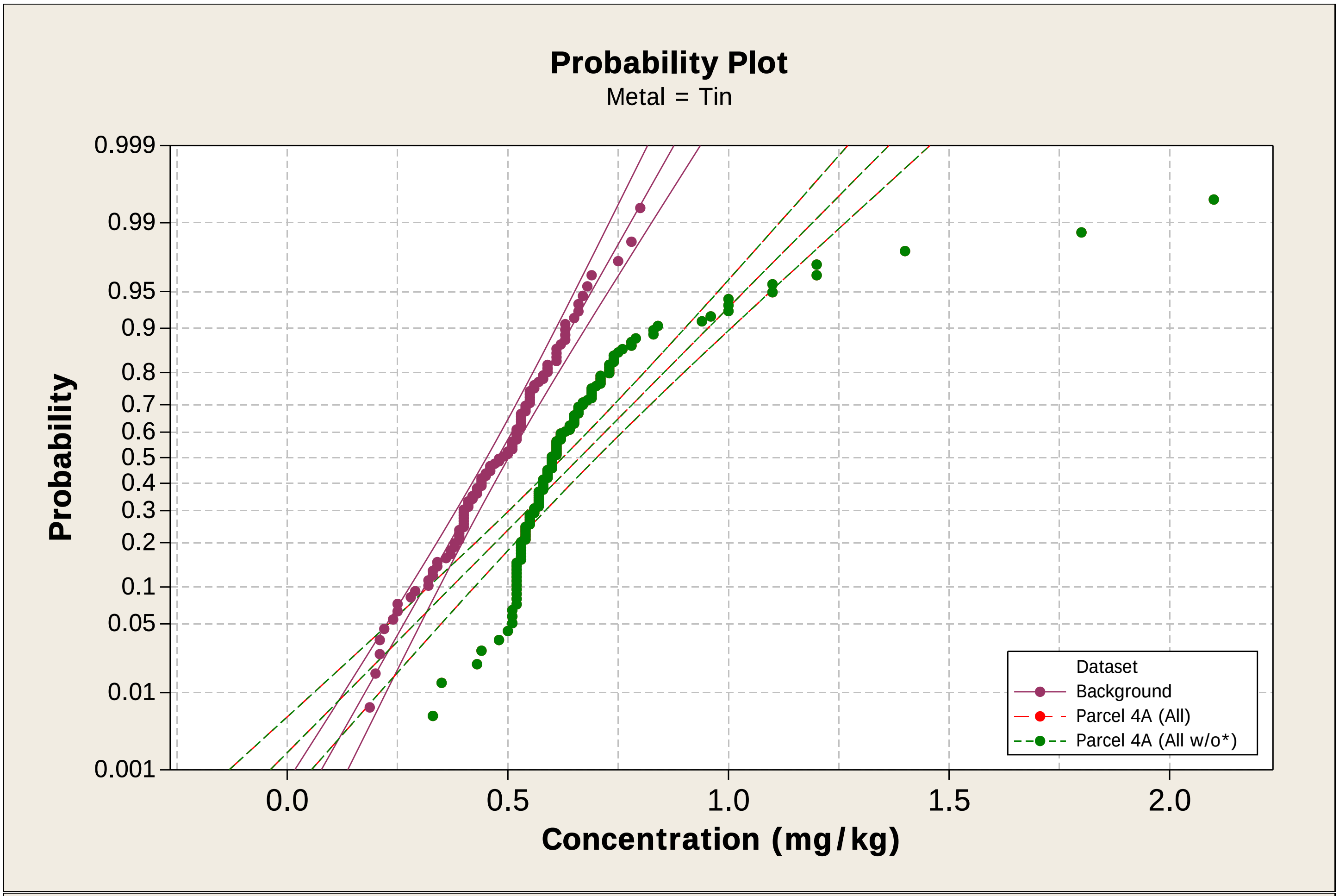

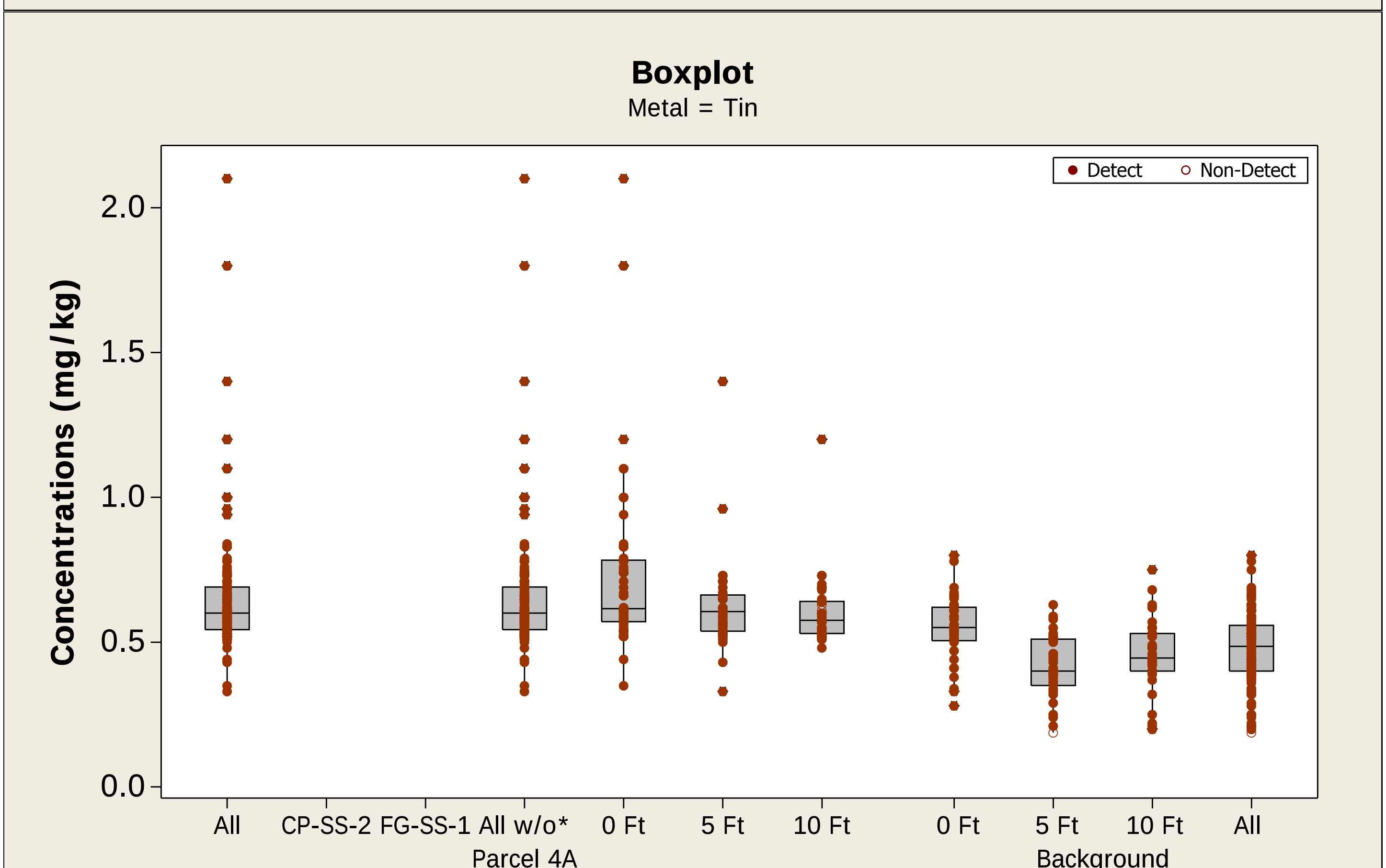

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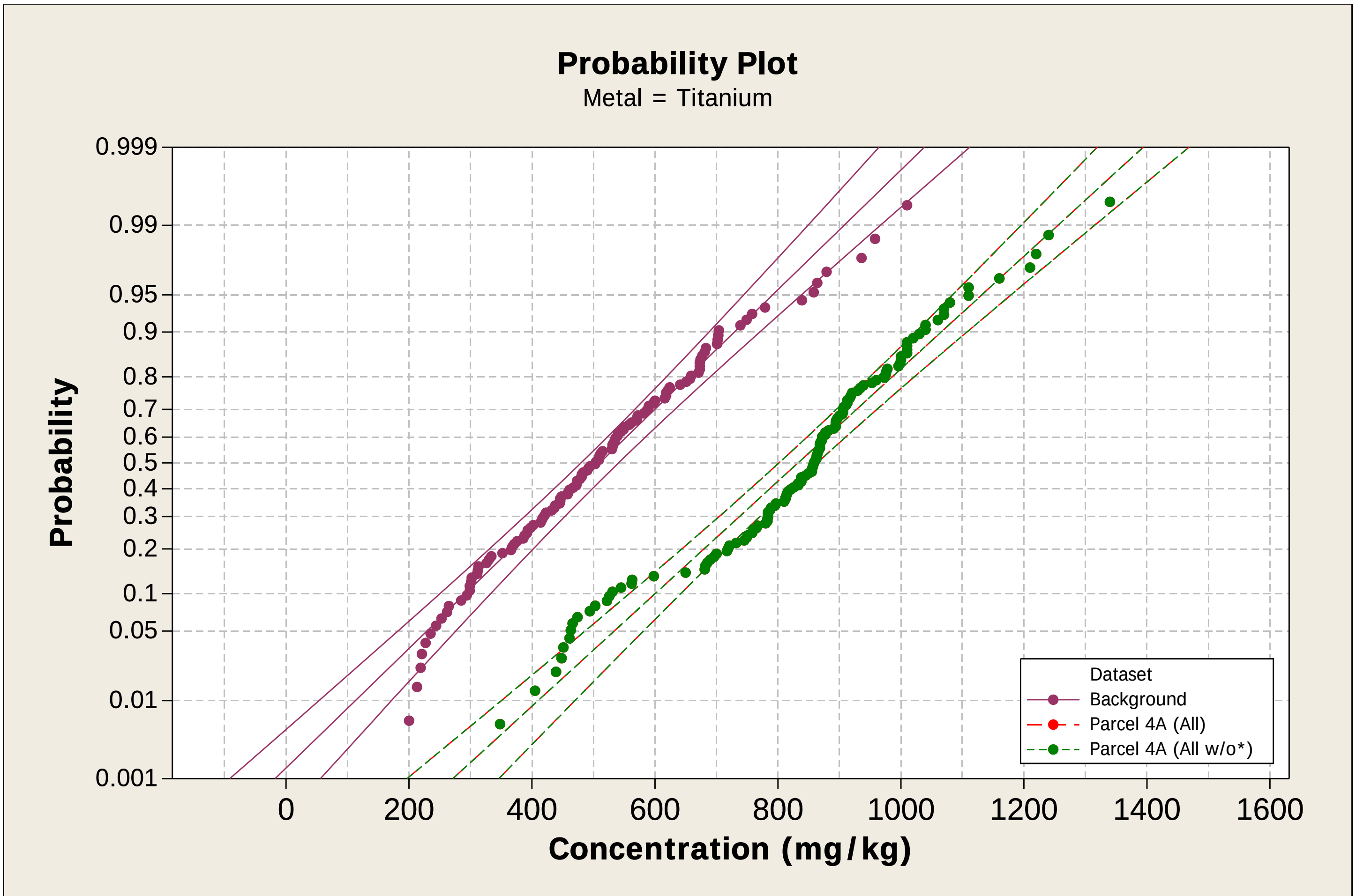

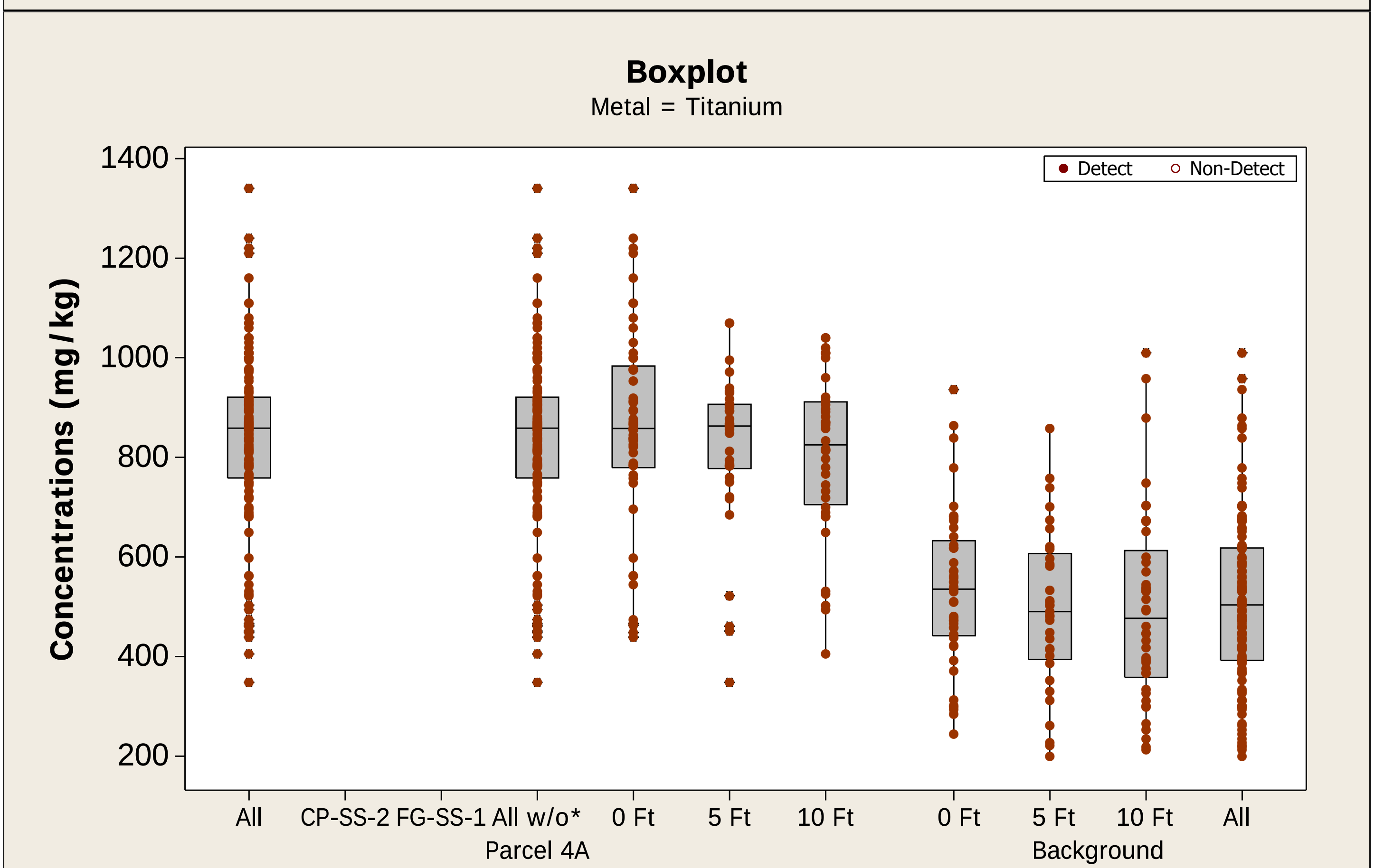

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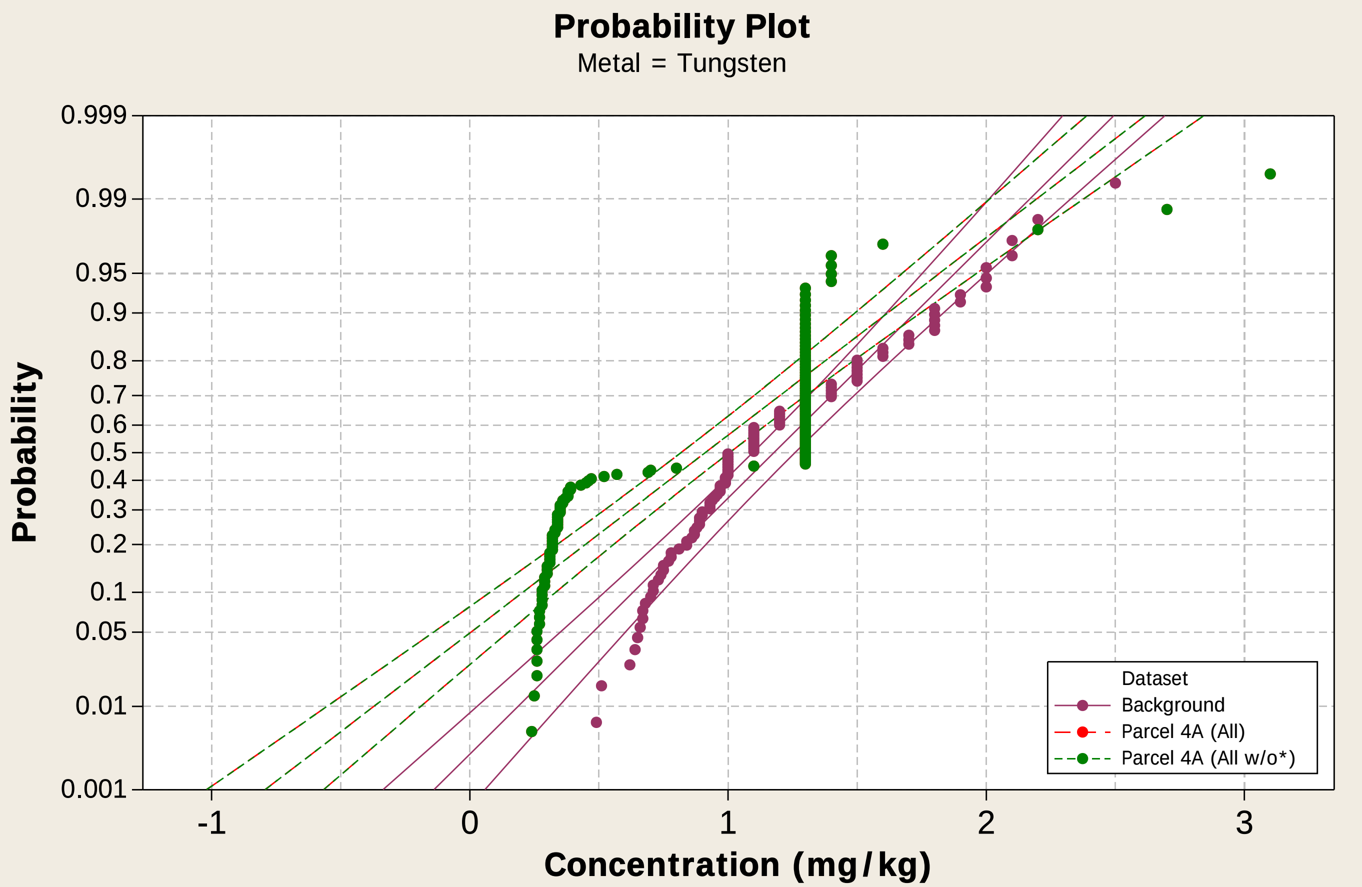

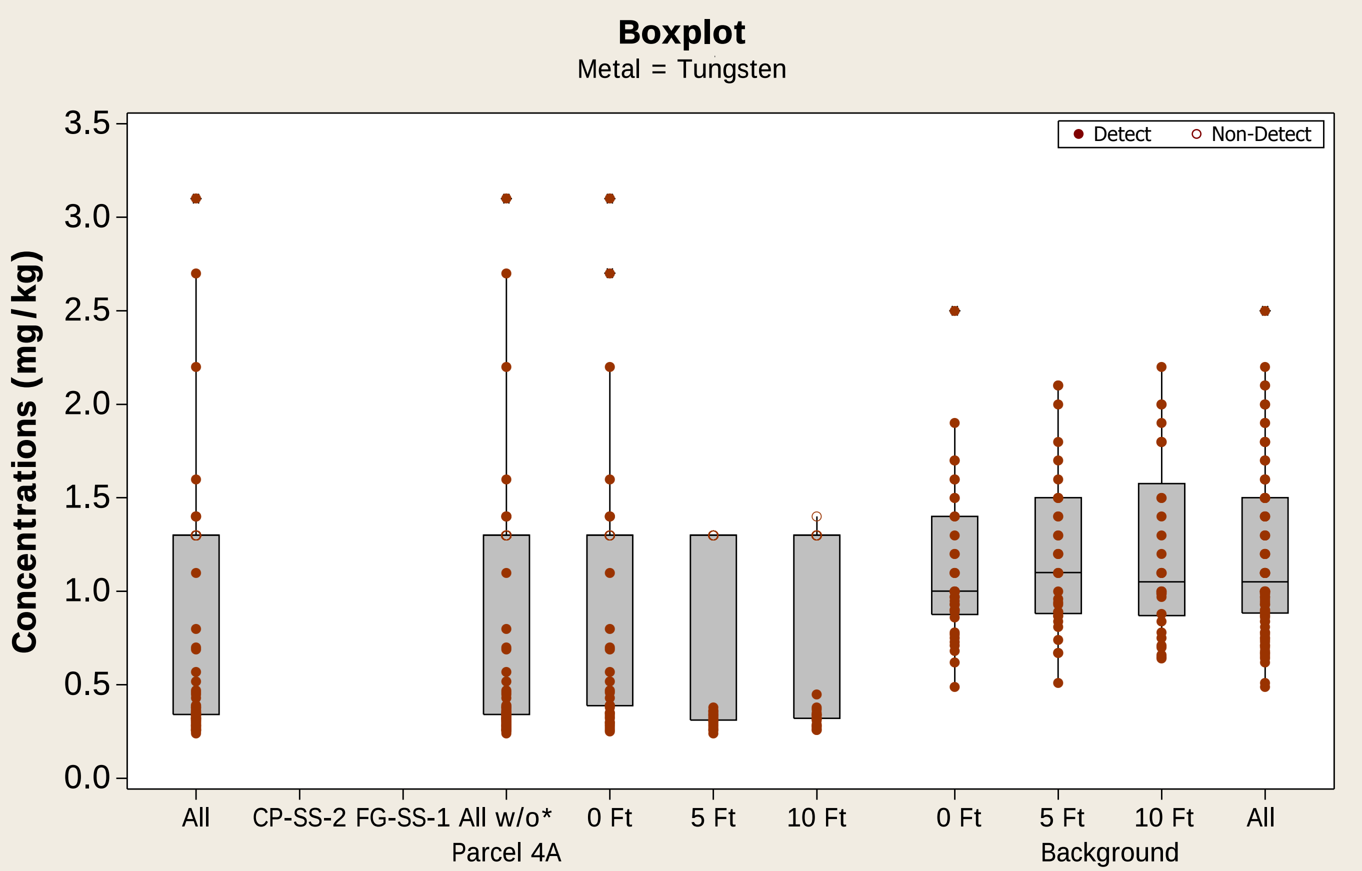

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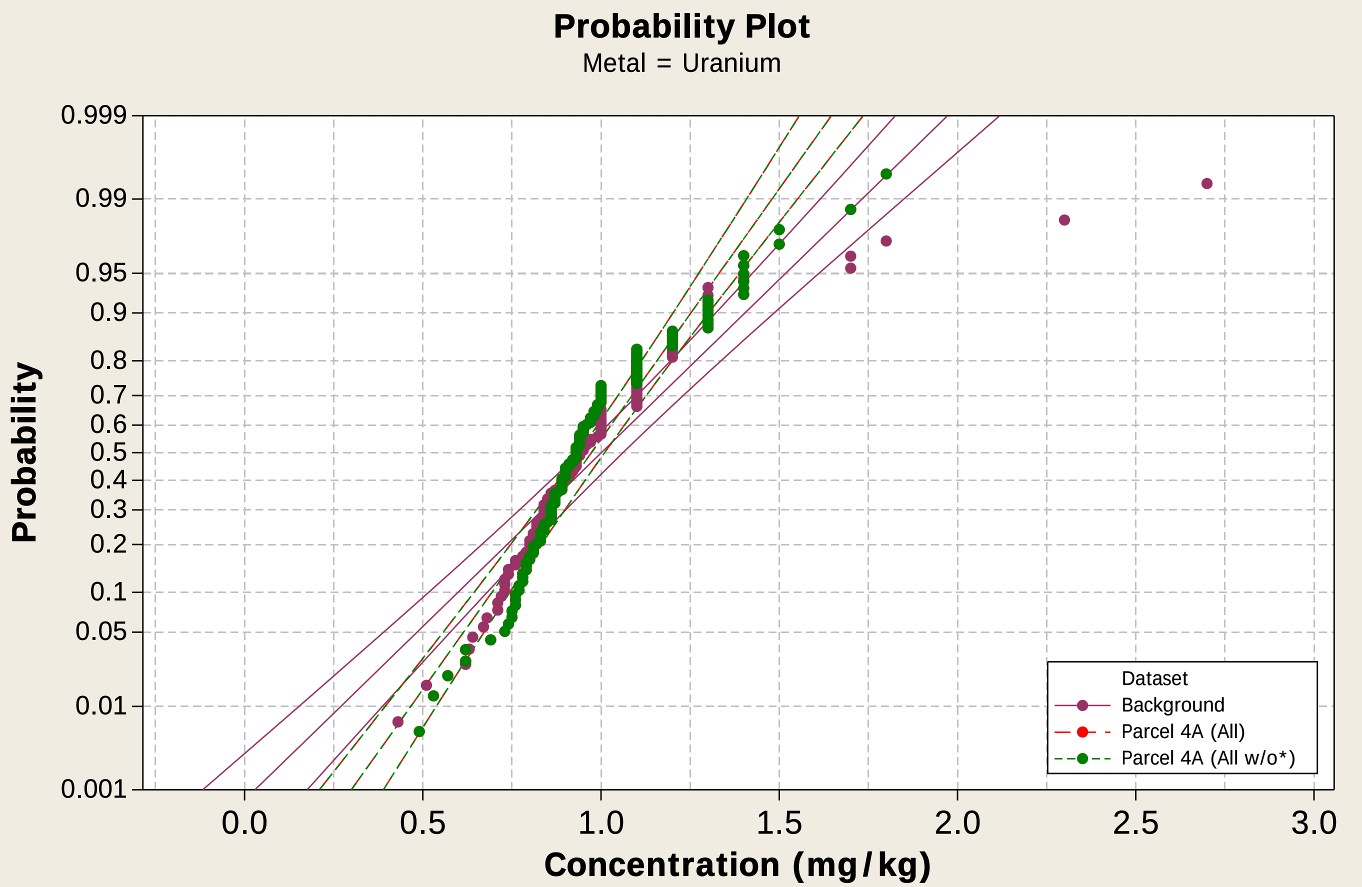

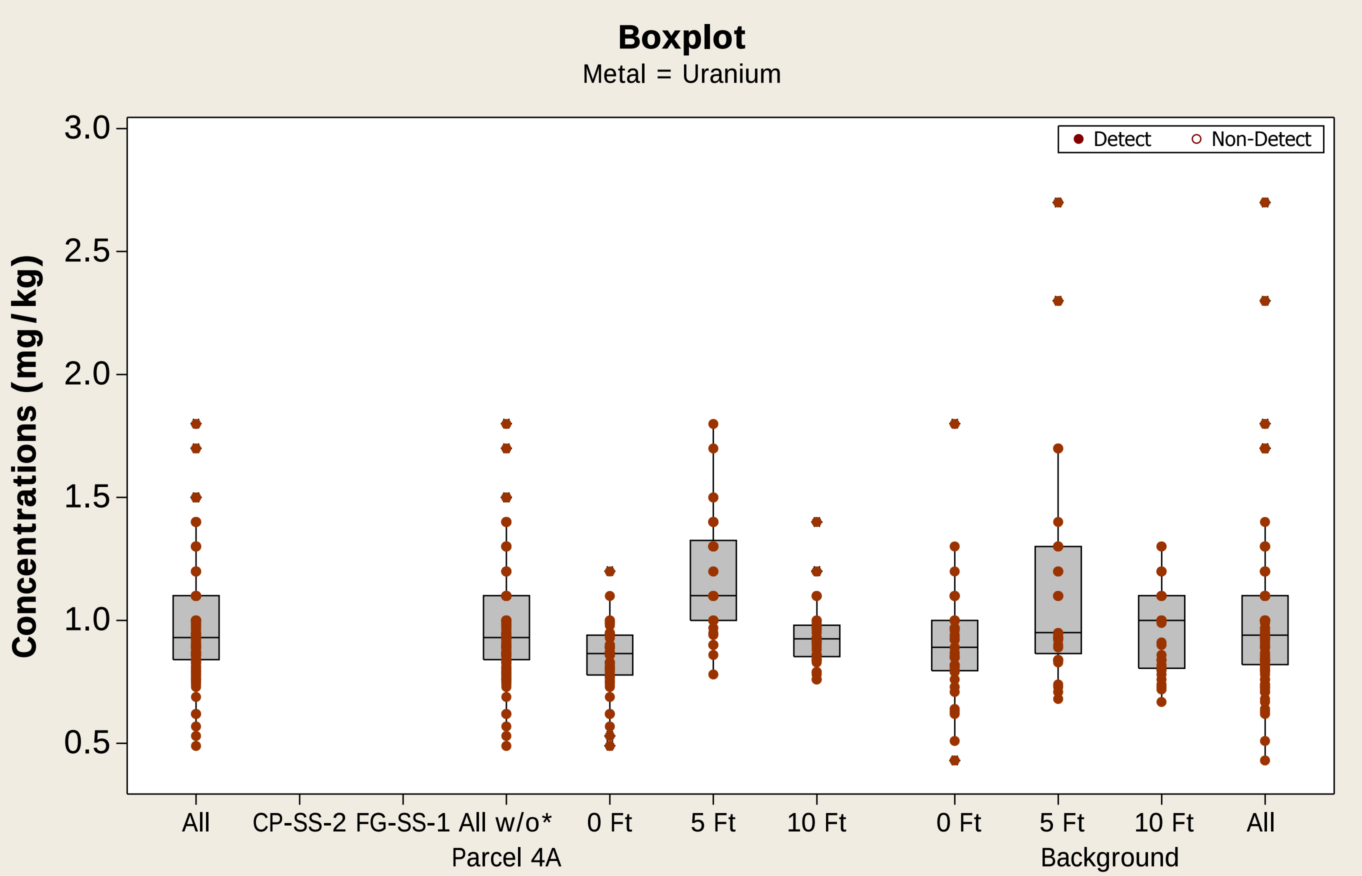

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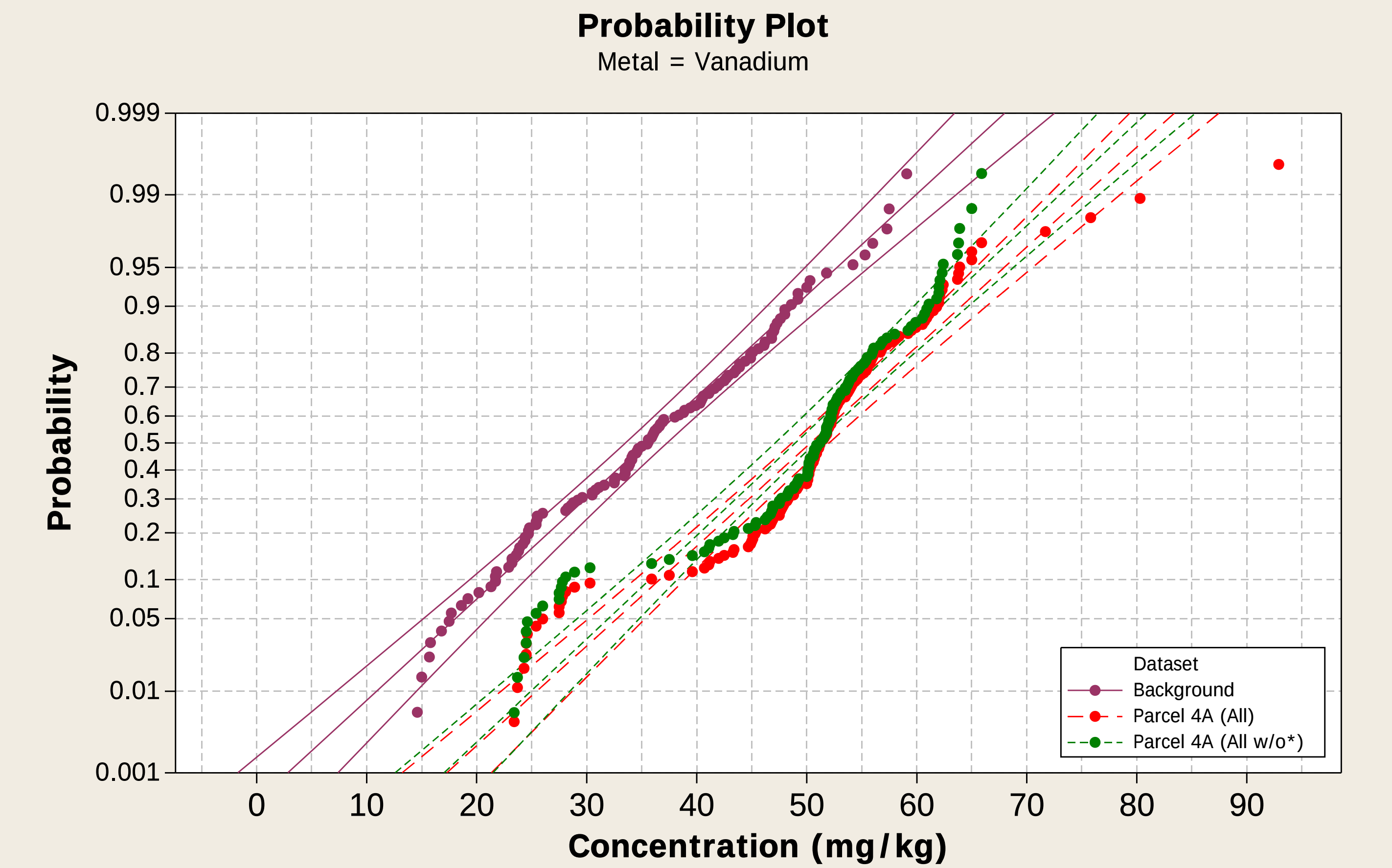

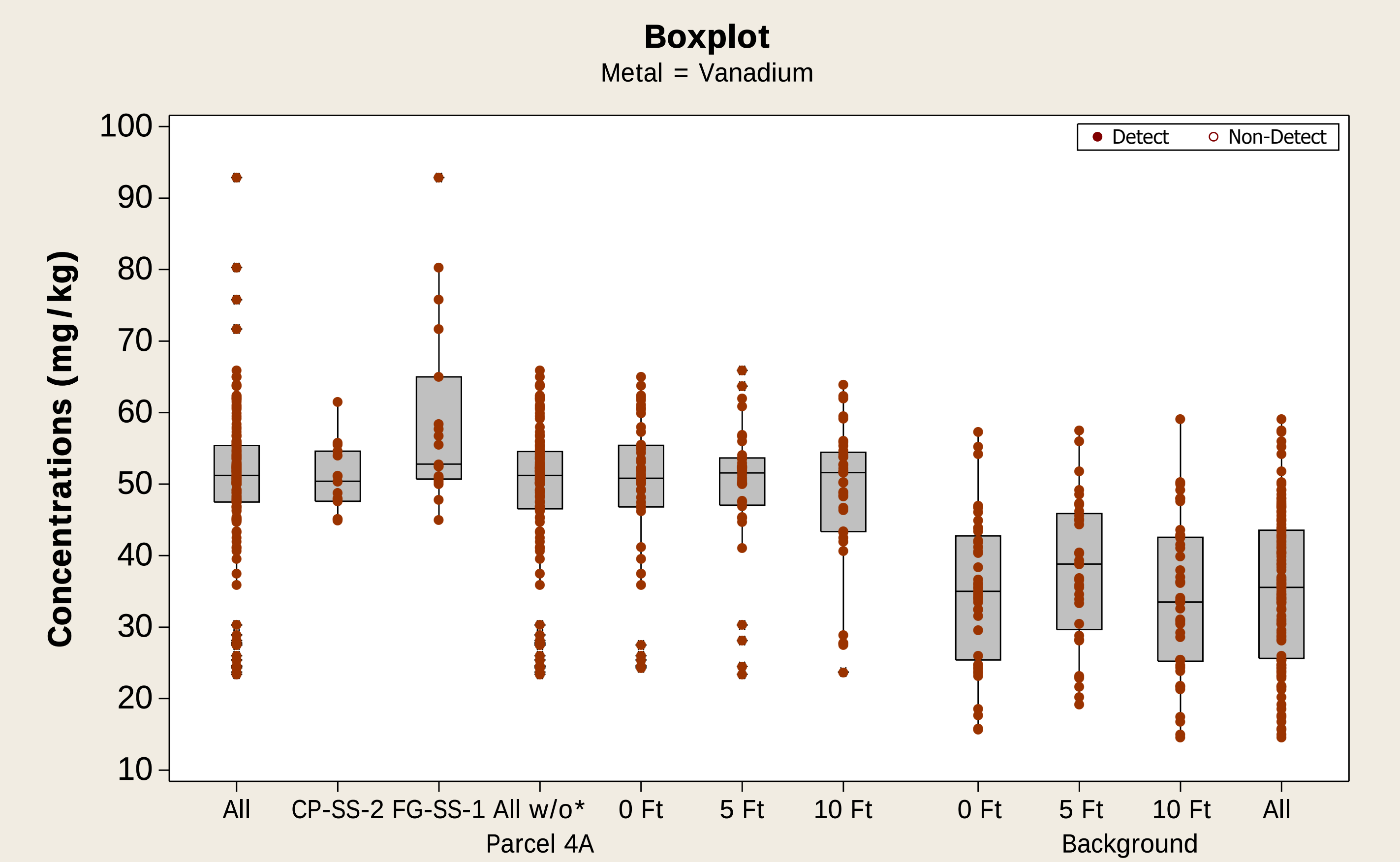

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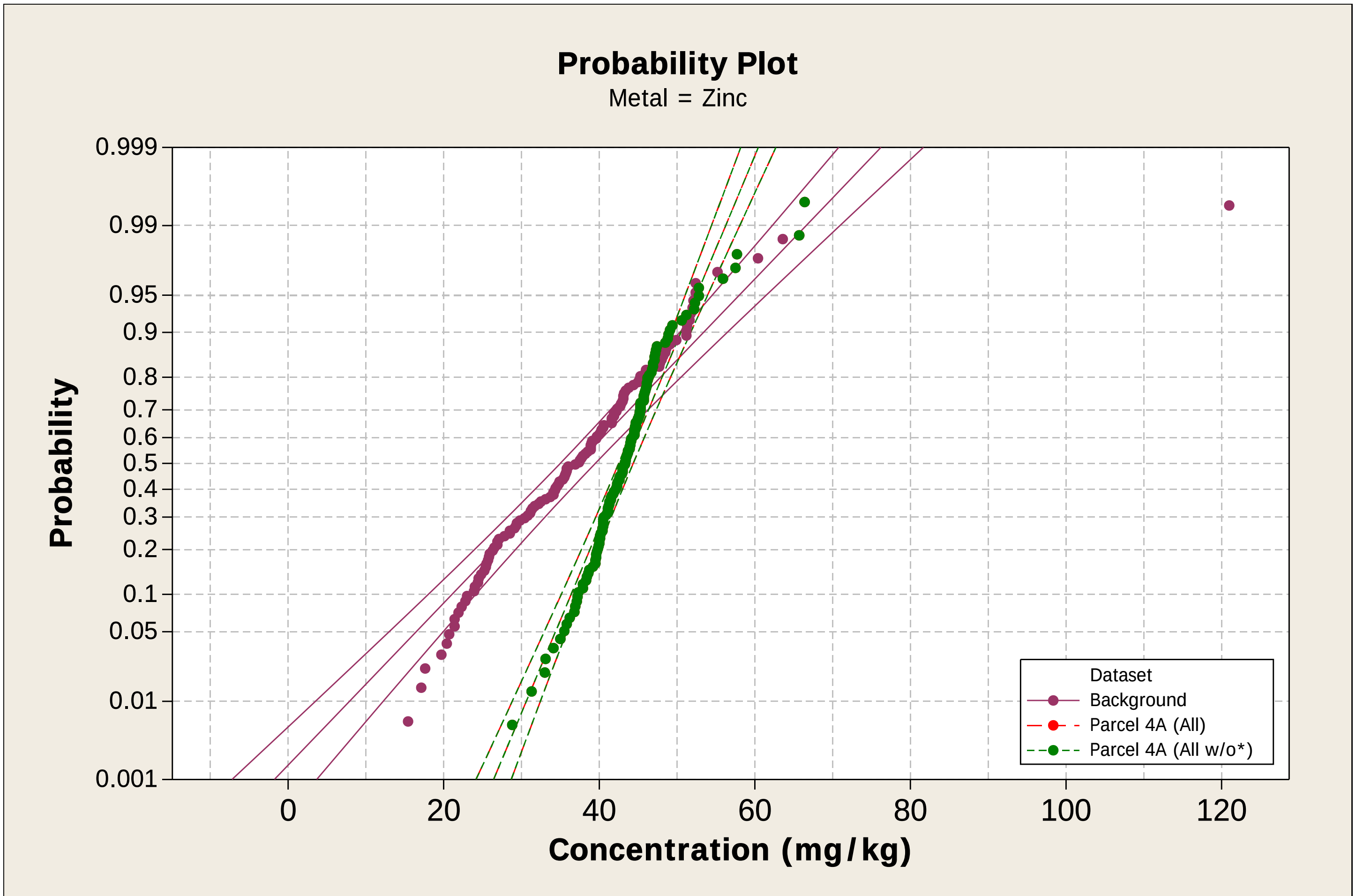
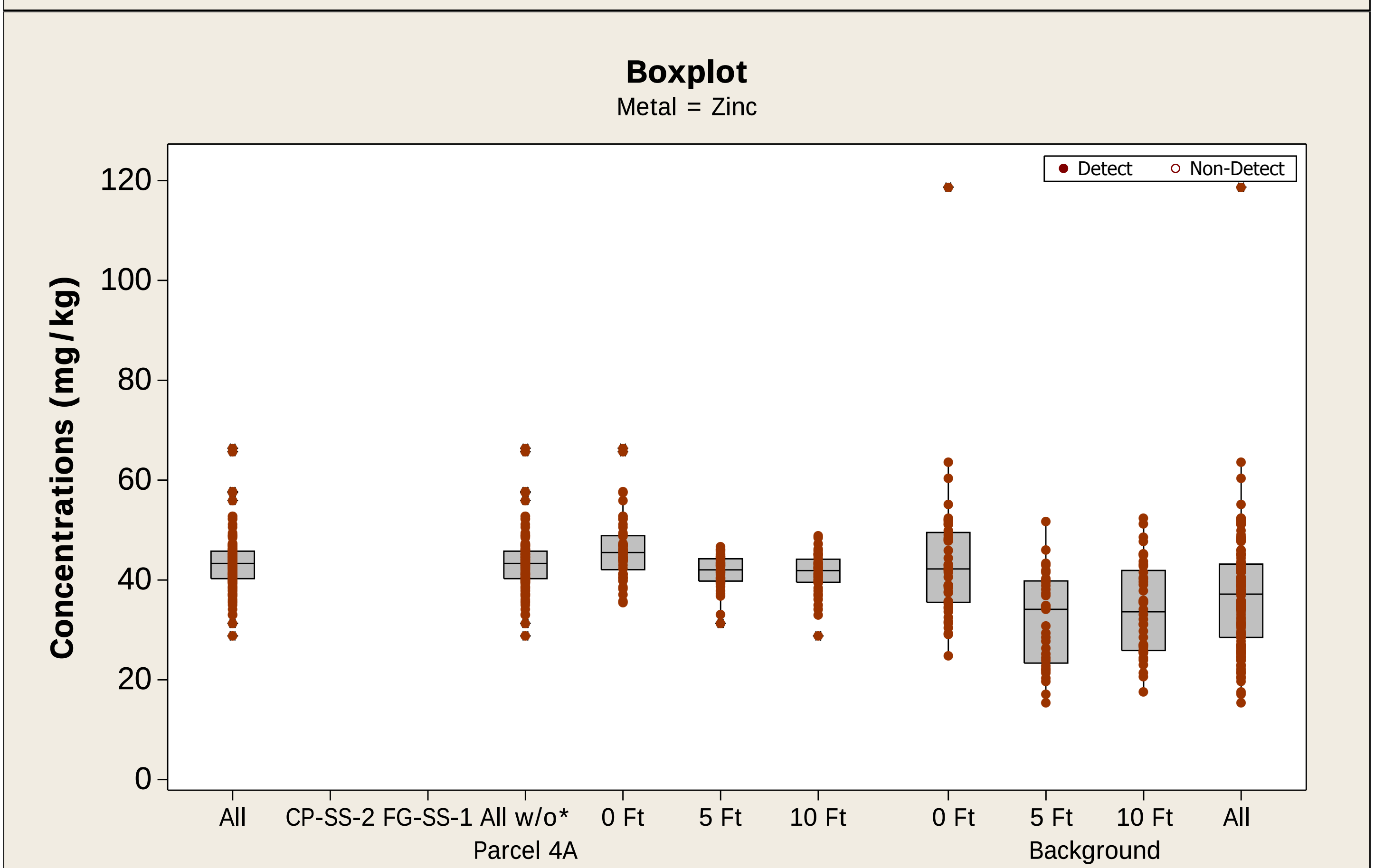
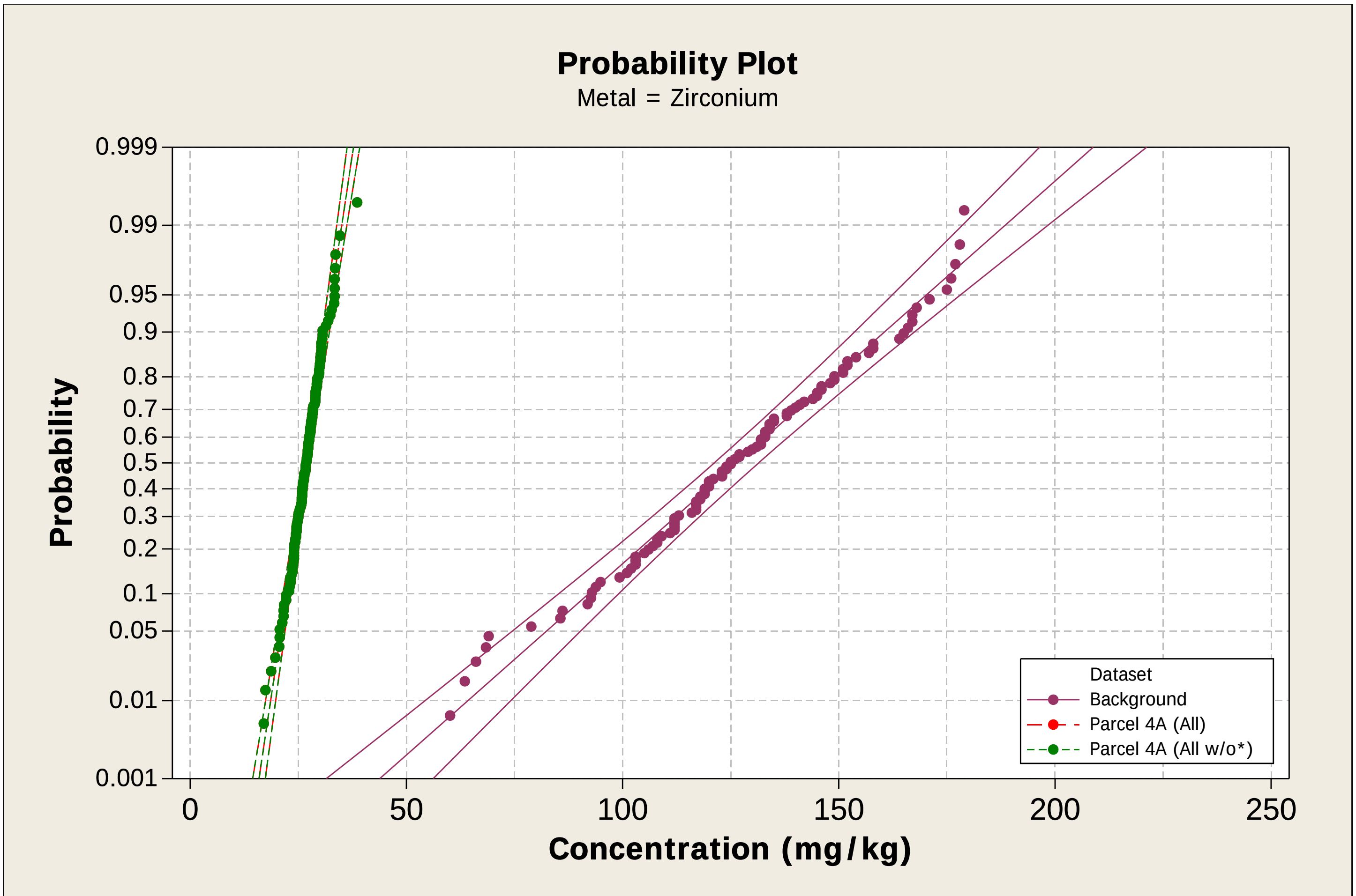
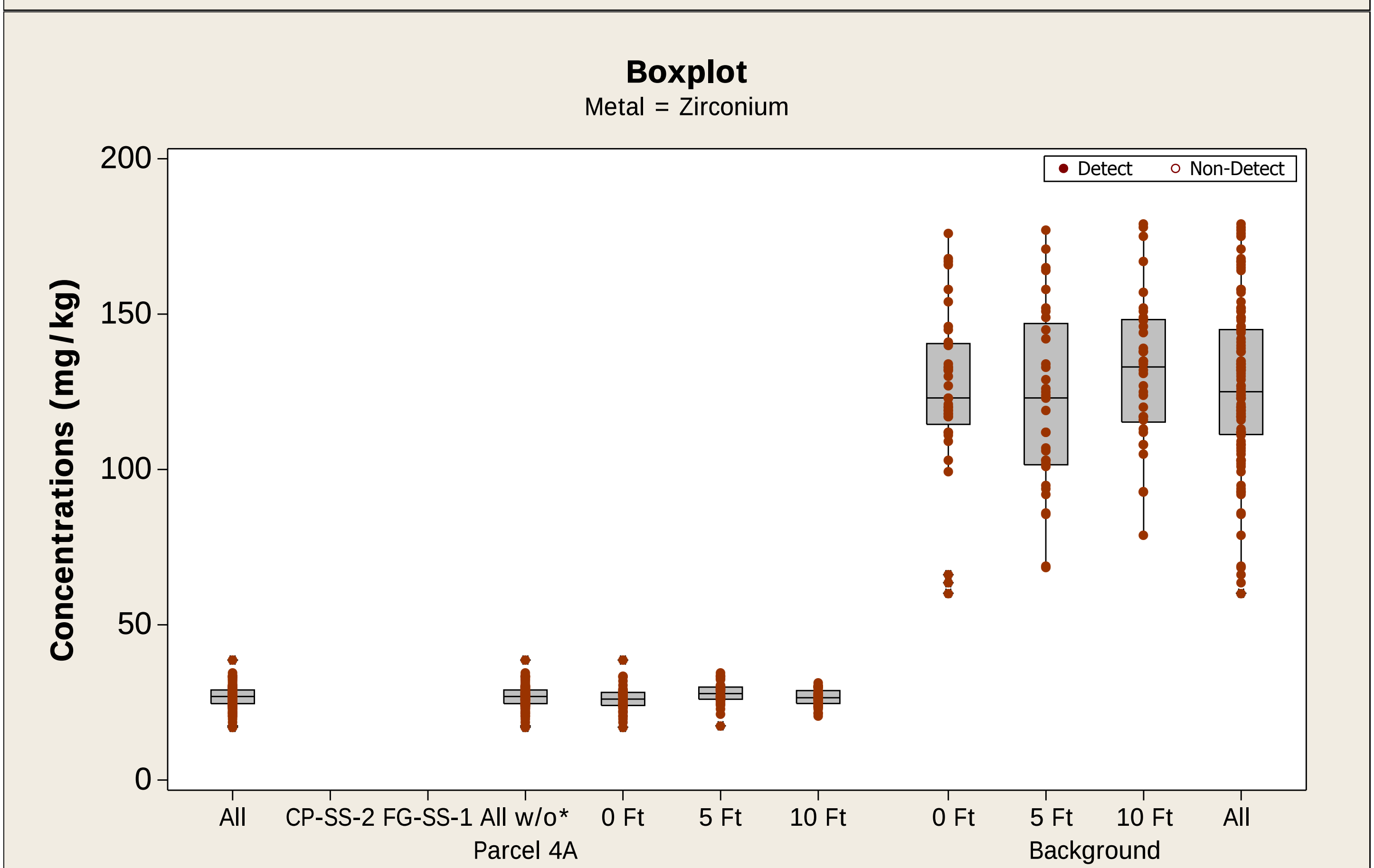




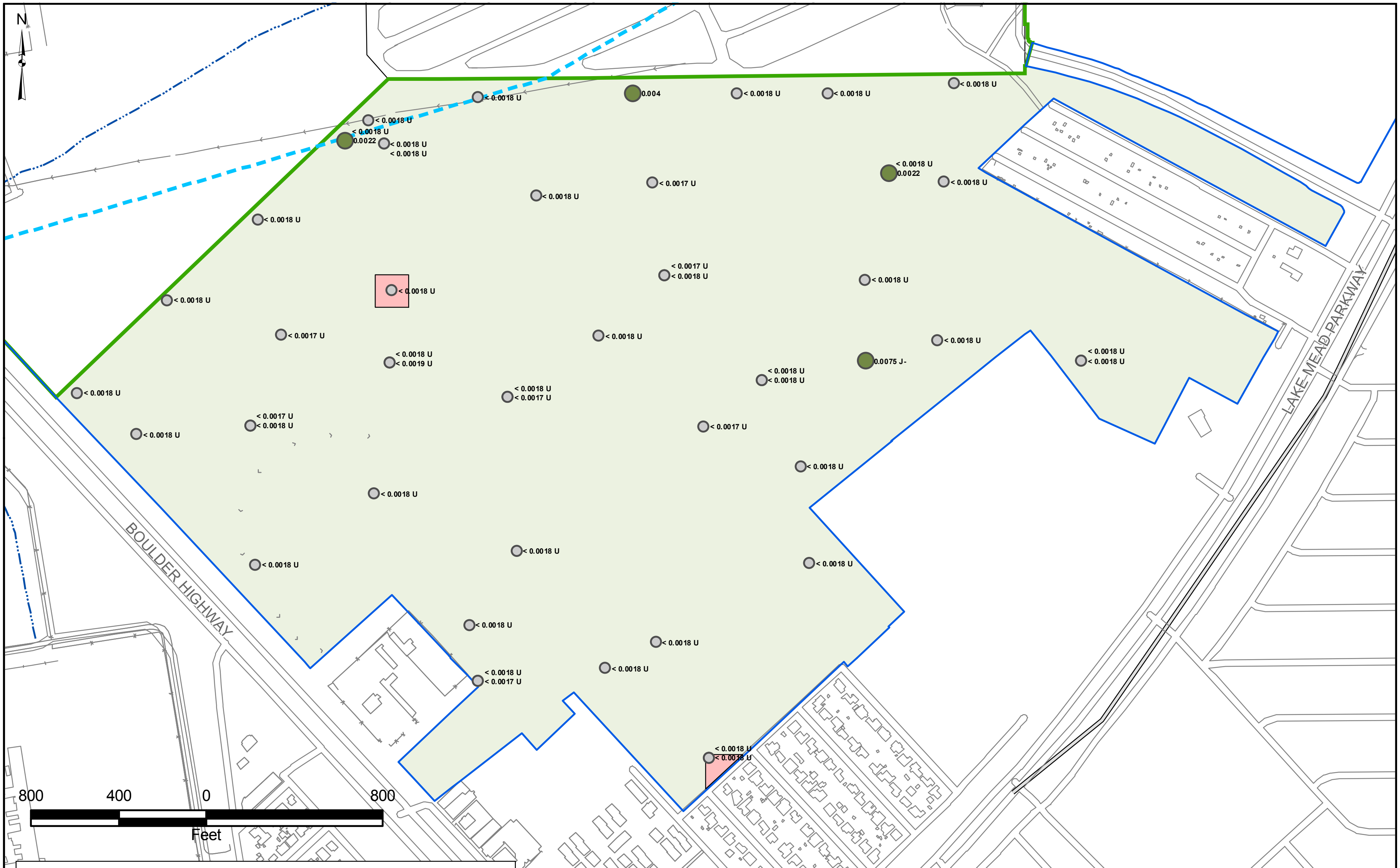
*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.





*All data without CP-SS-2 and FG-SS-1 area data (iron and vanadium only; depth-specific boxplots also do not include iron and vanadium from these locations). For all other metals, "All w/o" is the same as All and depth-specific boxplots include all sample locations.

Attachment D



Legend	
Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

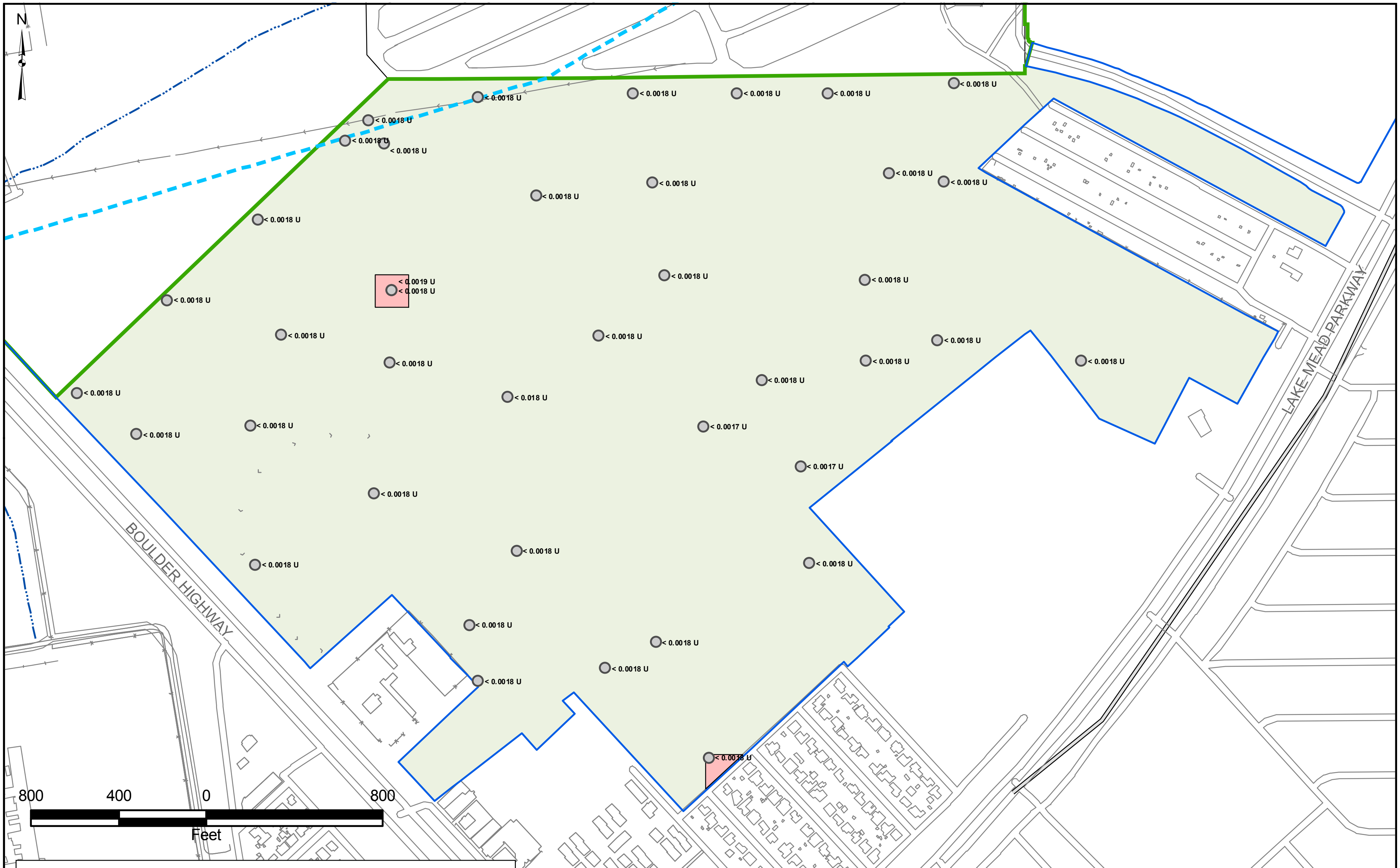
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-1

2,4-DDE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

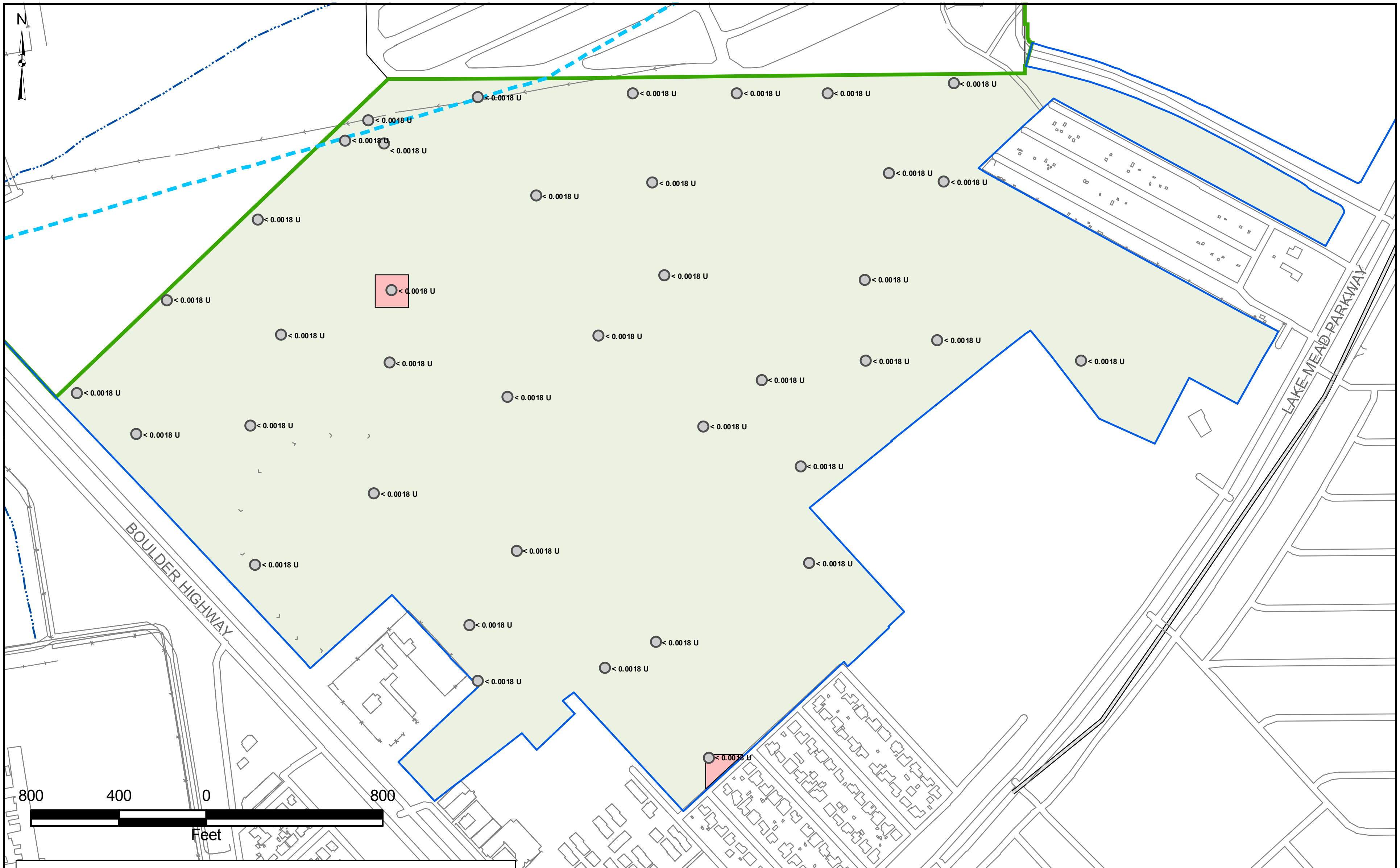
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-2

2,4-DDE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

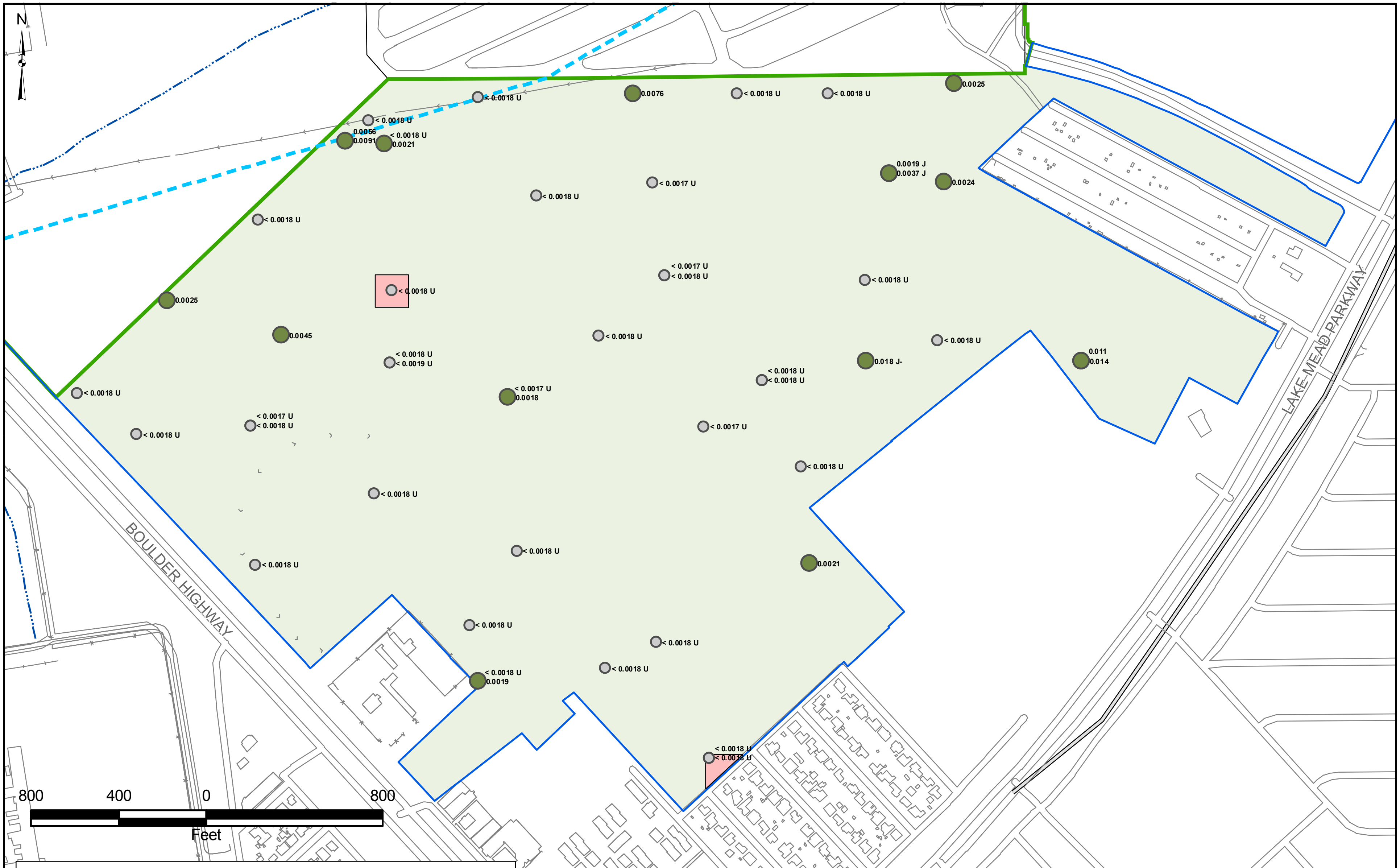
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-3

2,4-DDE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

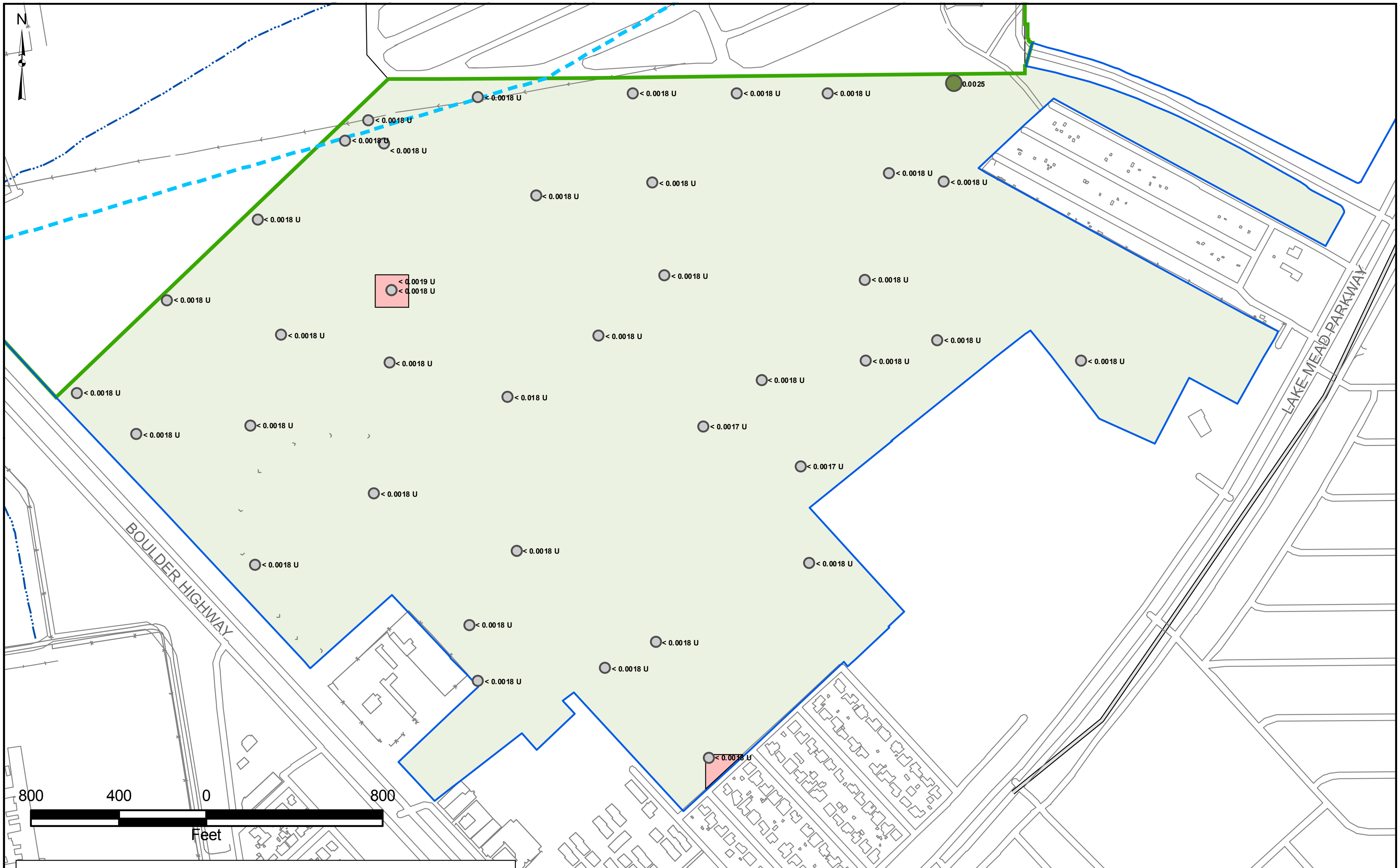
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-4

4,4-DDE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation Company

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

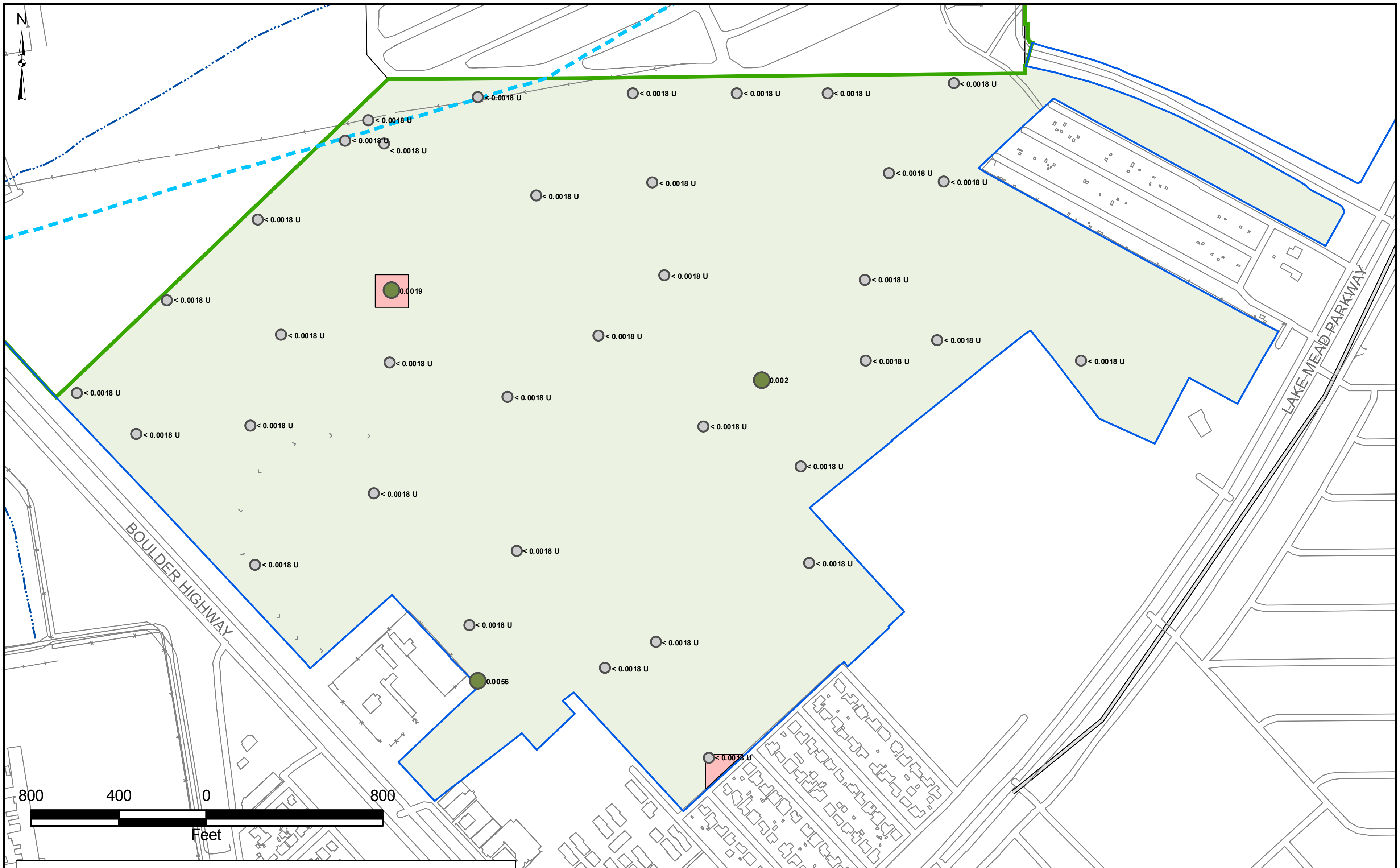
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-5

4,4-DDE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

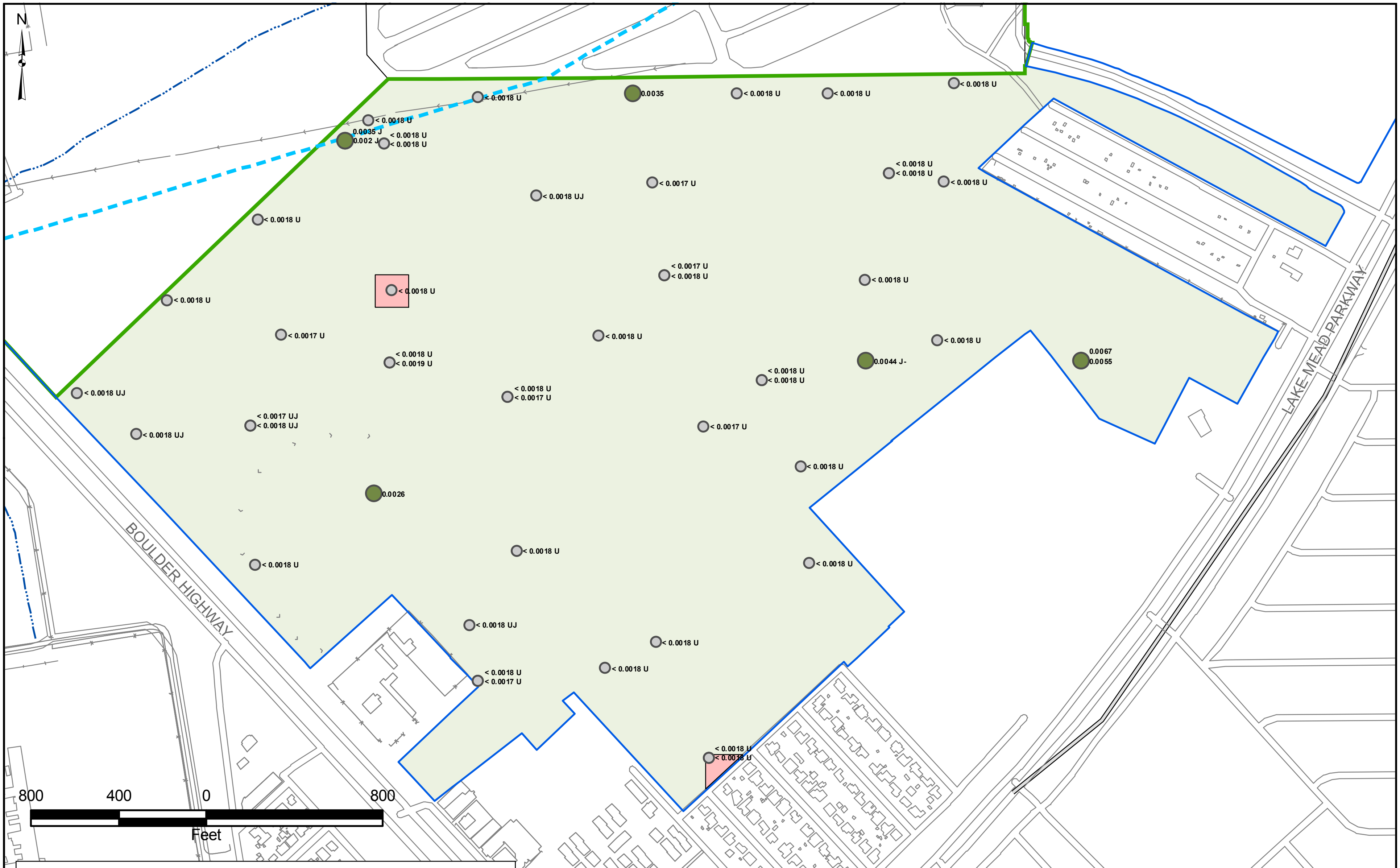
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-6

4,4-DDE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation Company

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A		Non-Detect	
Site Soil Boundary		Detect < 1/2-PRG	
Site AOC3 Boundary		>= 1/2-PRG and < PRG	
1,200 Ft Offset Line		>= PRG and < 10x PRG	
Surface Excavation Areas		>= 10x PRG	

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

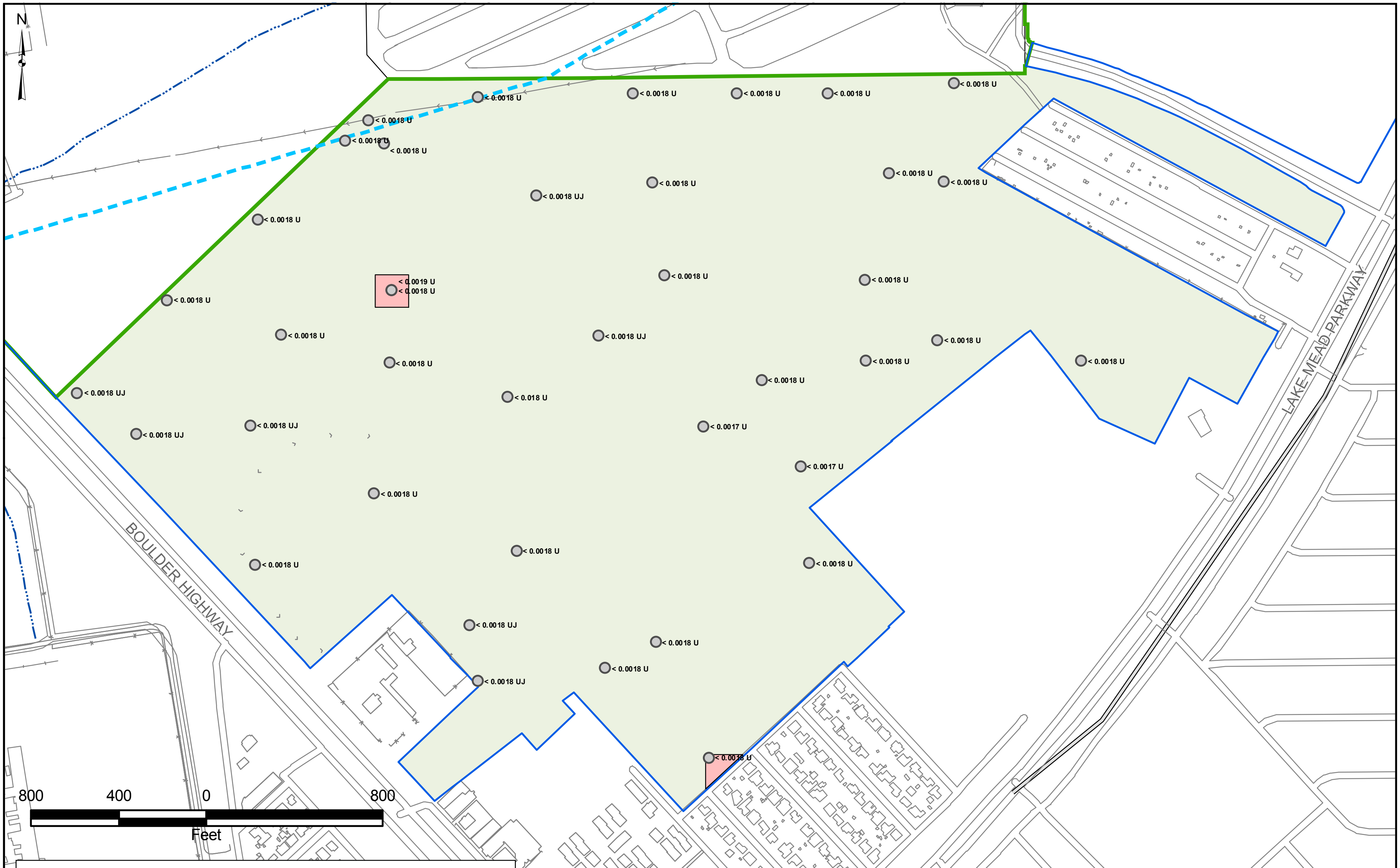
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-7

4,4-DDT
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

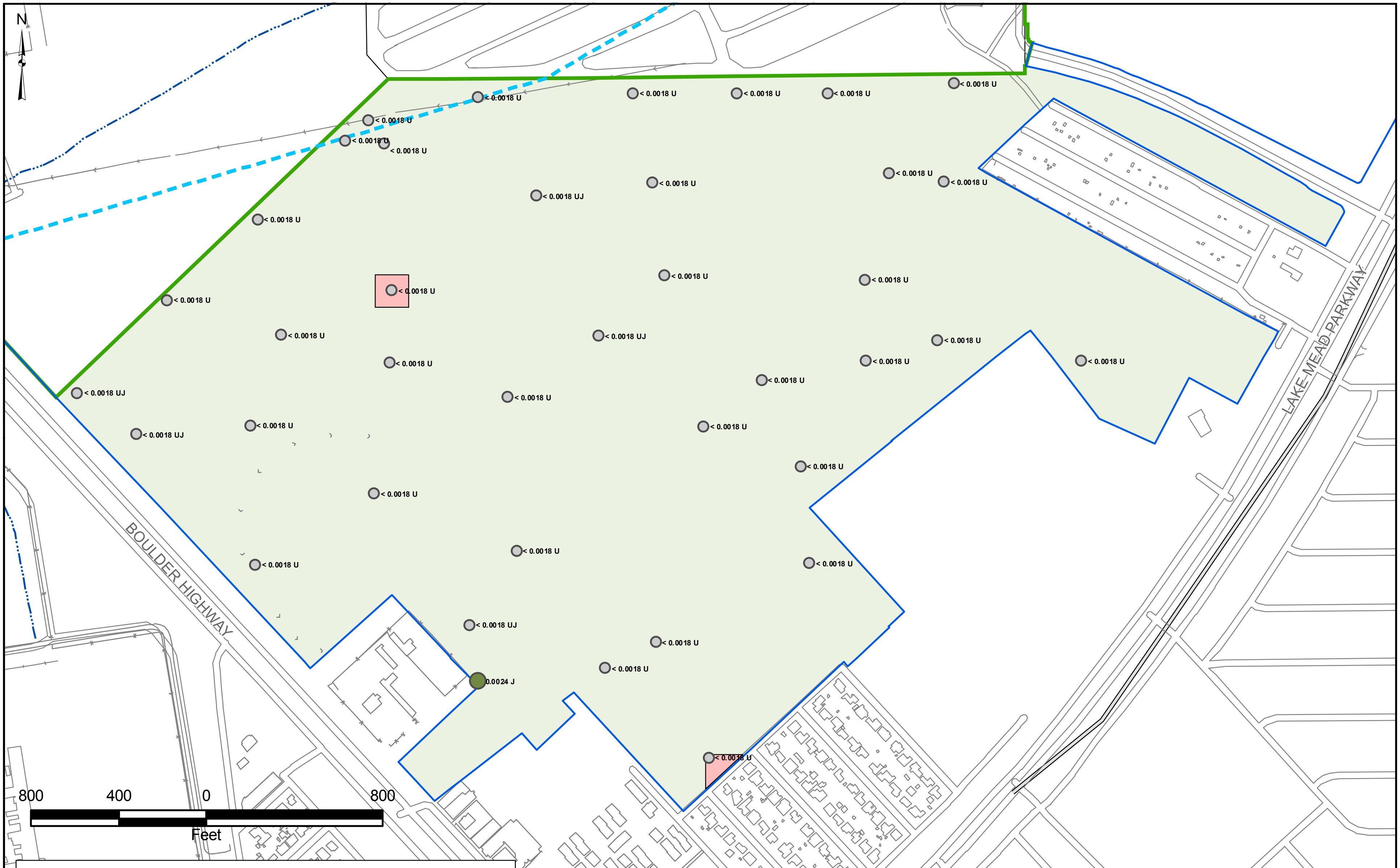
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-8

4,4-DDT
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

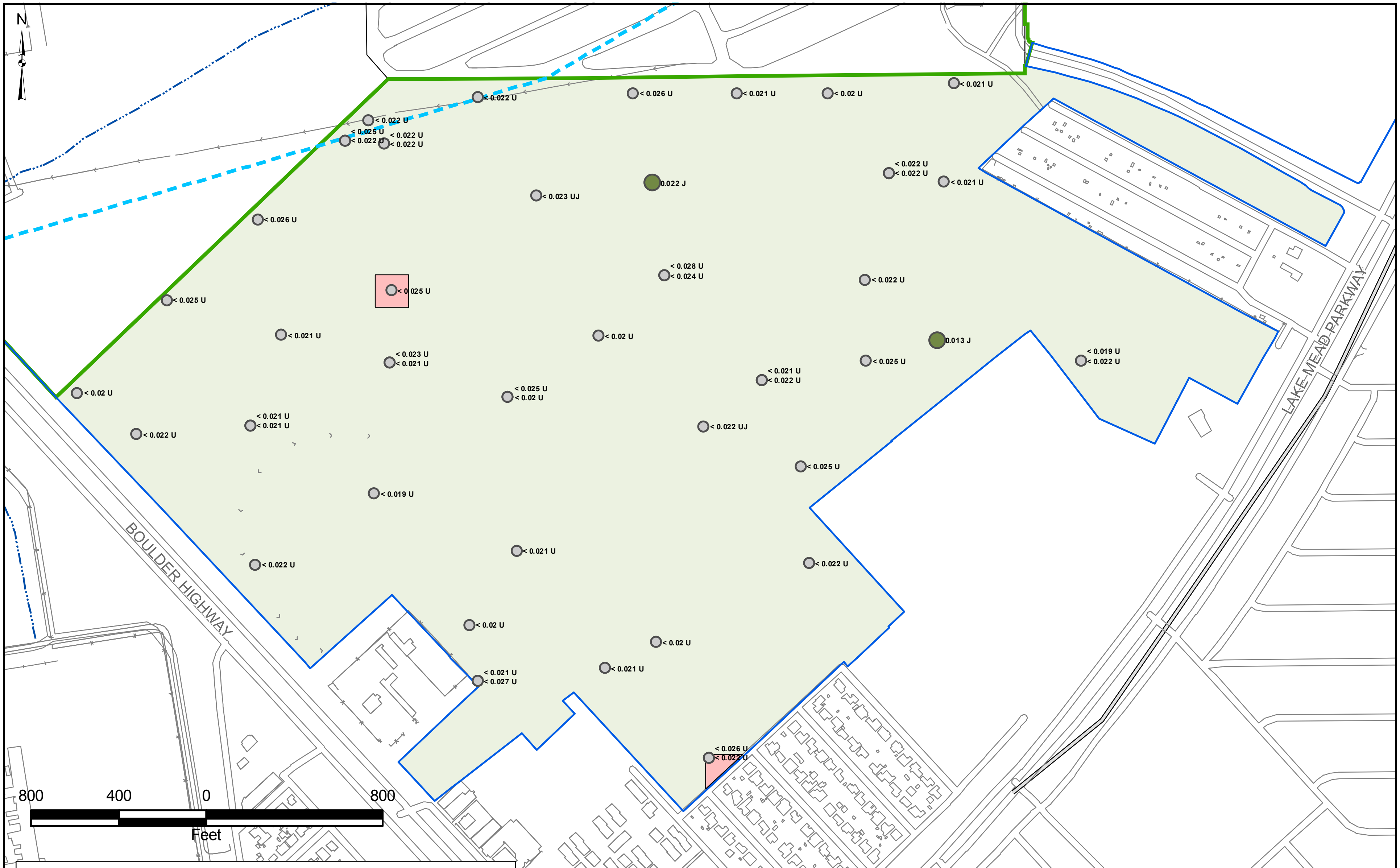
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-9

4,4-DDT
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation Company

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

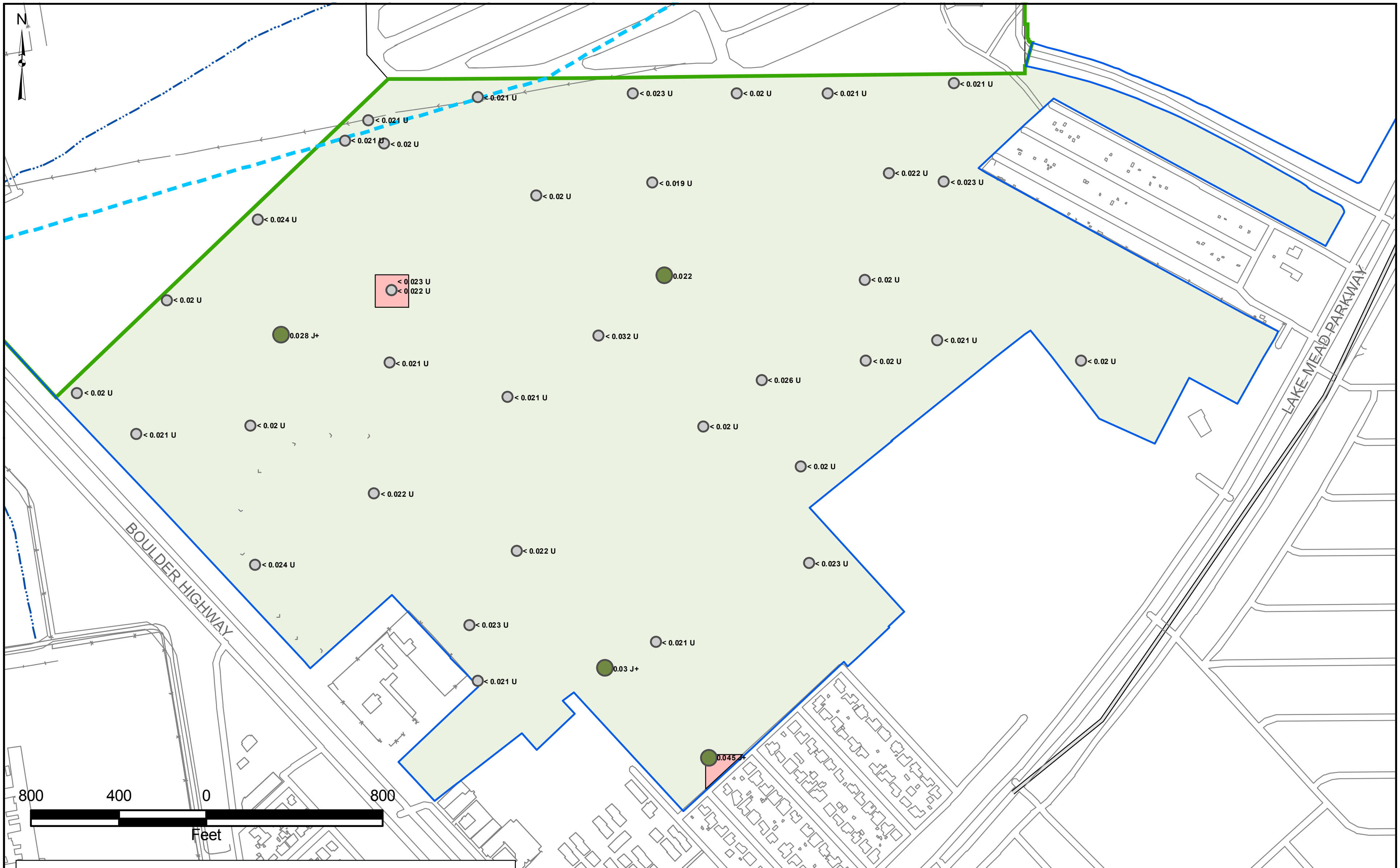
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-10

ACETONE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

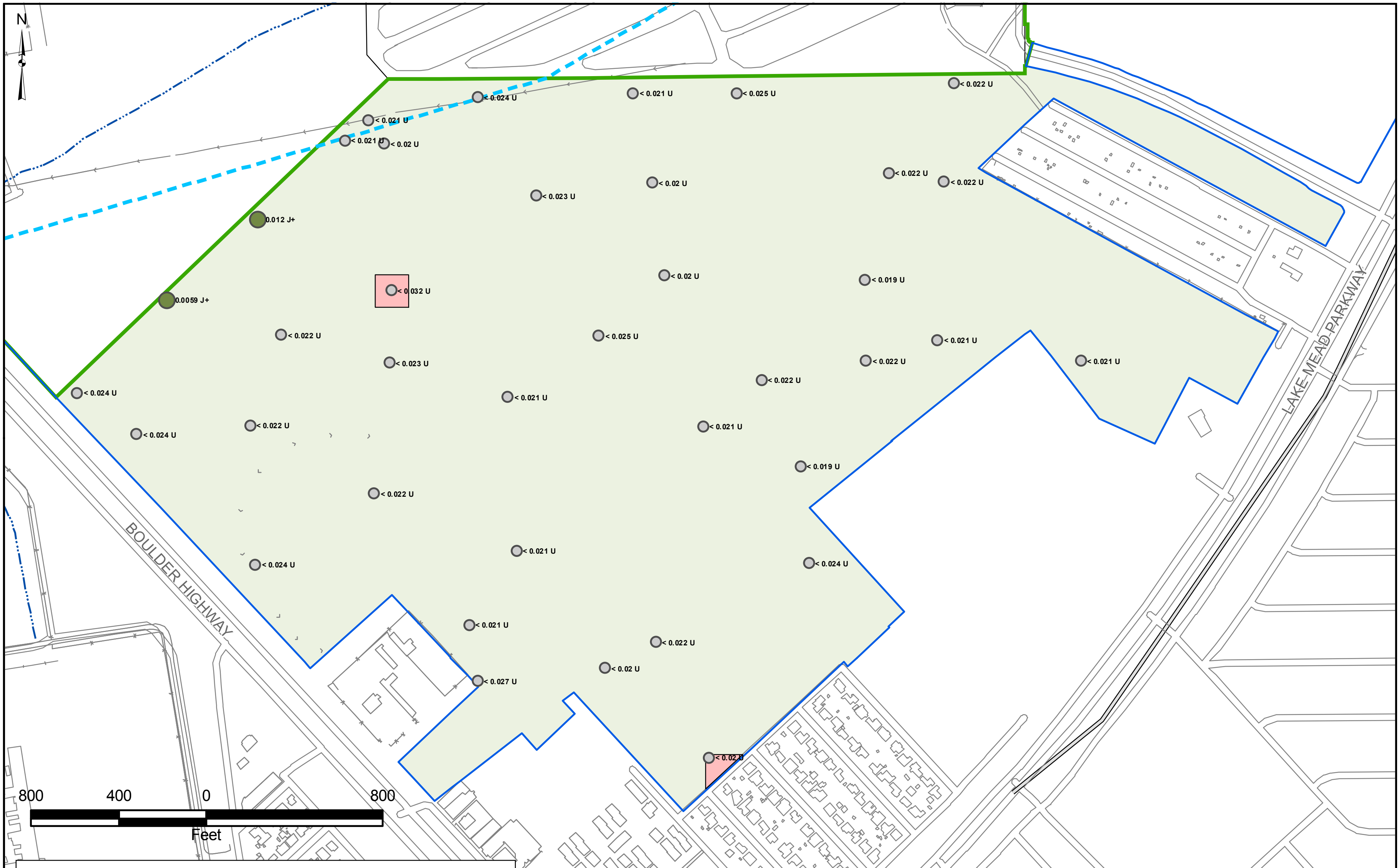
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-11

ACETONE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

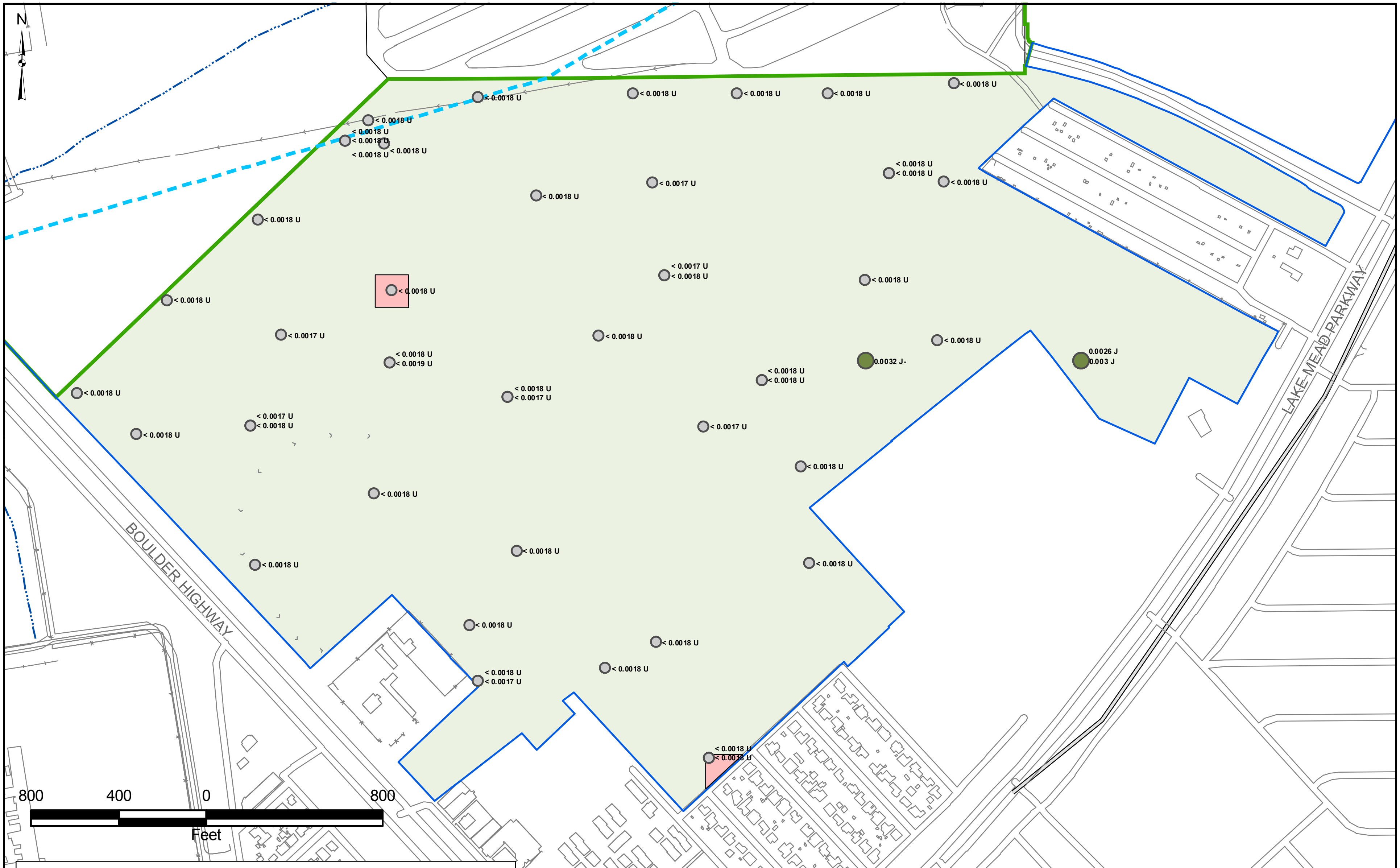
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-12

ACETONE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

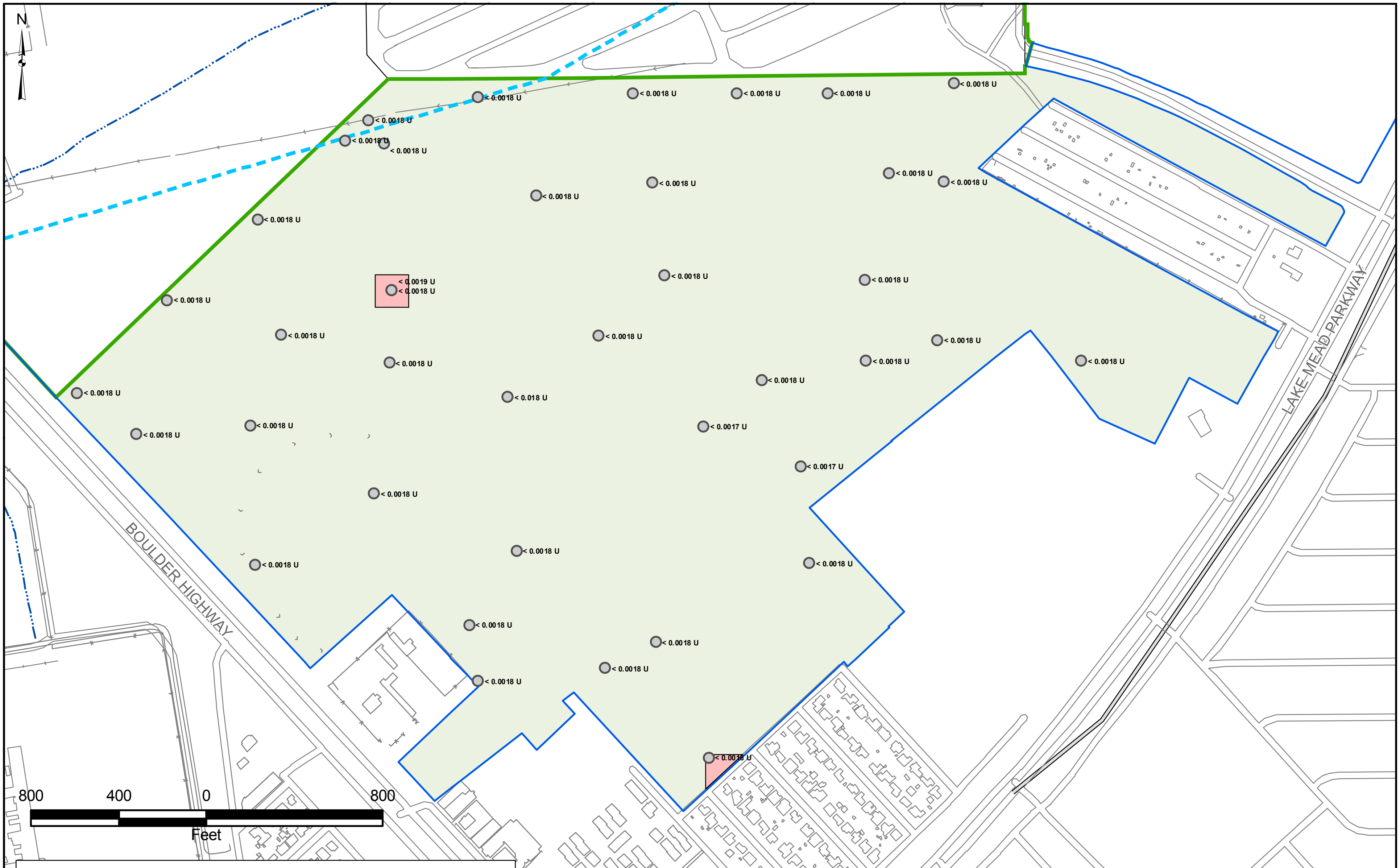
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-13

ALPHA-CHLORDANE SAMPLE RESULTS 0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

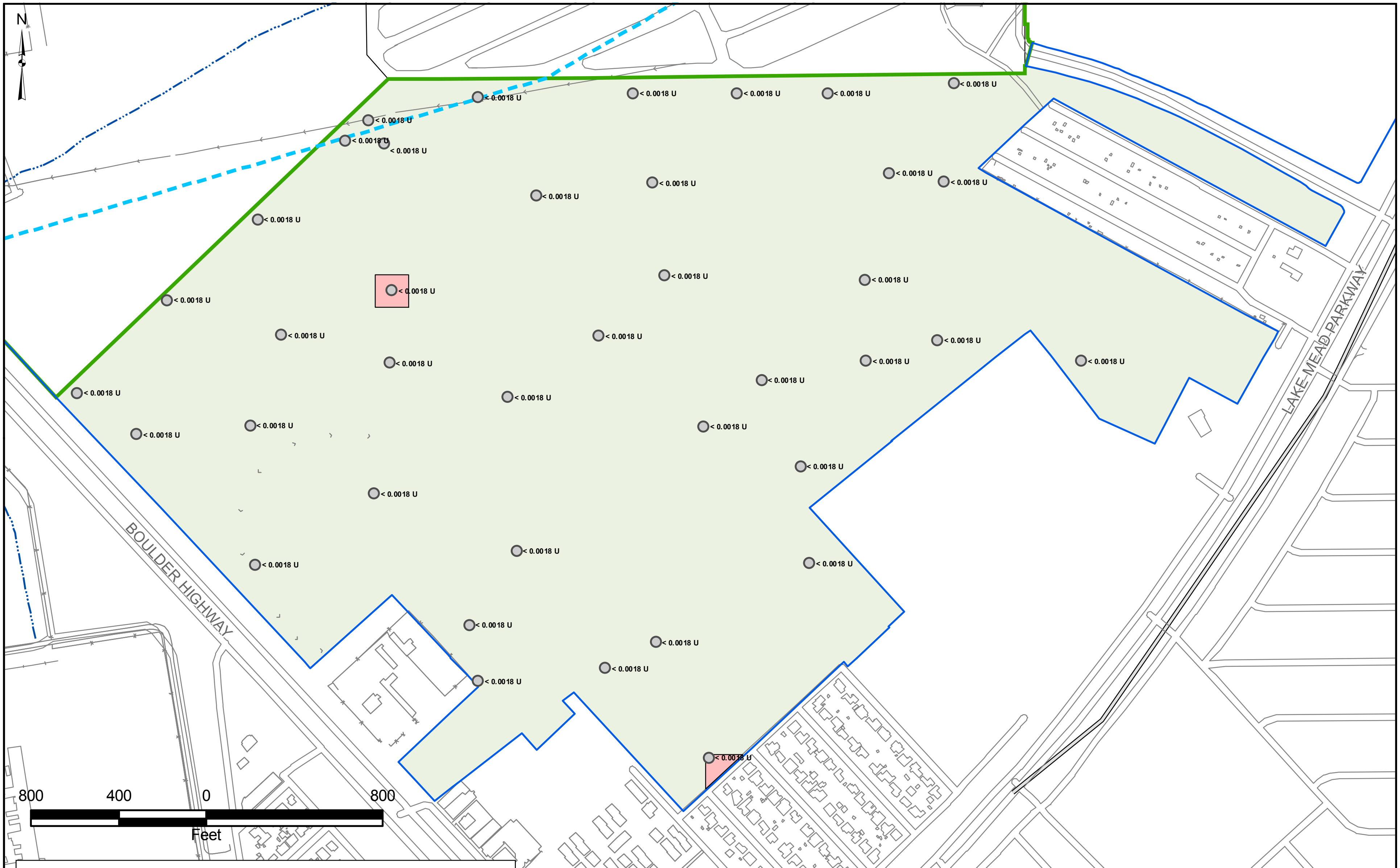
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-14

ALPHA-CHLORDANE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

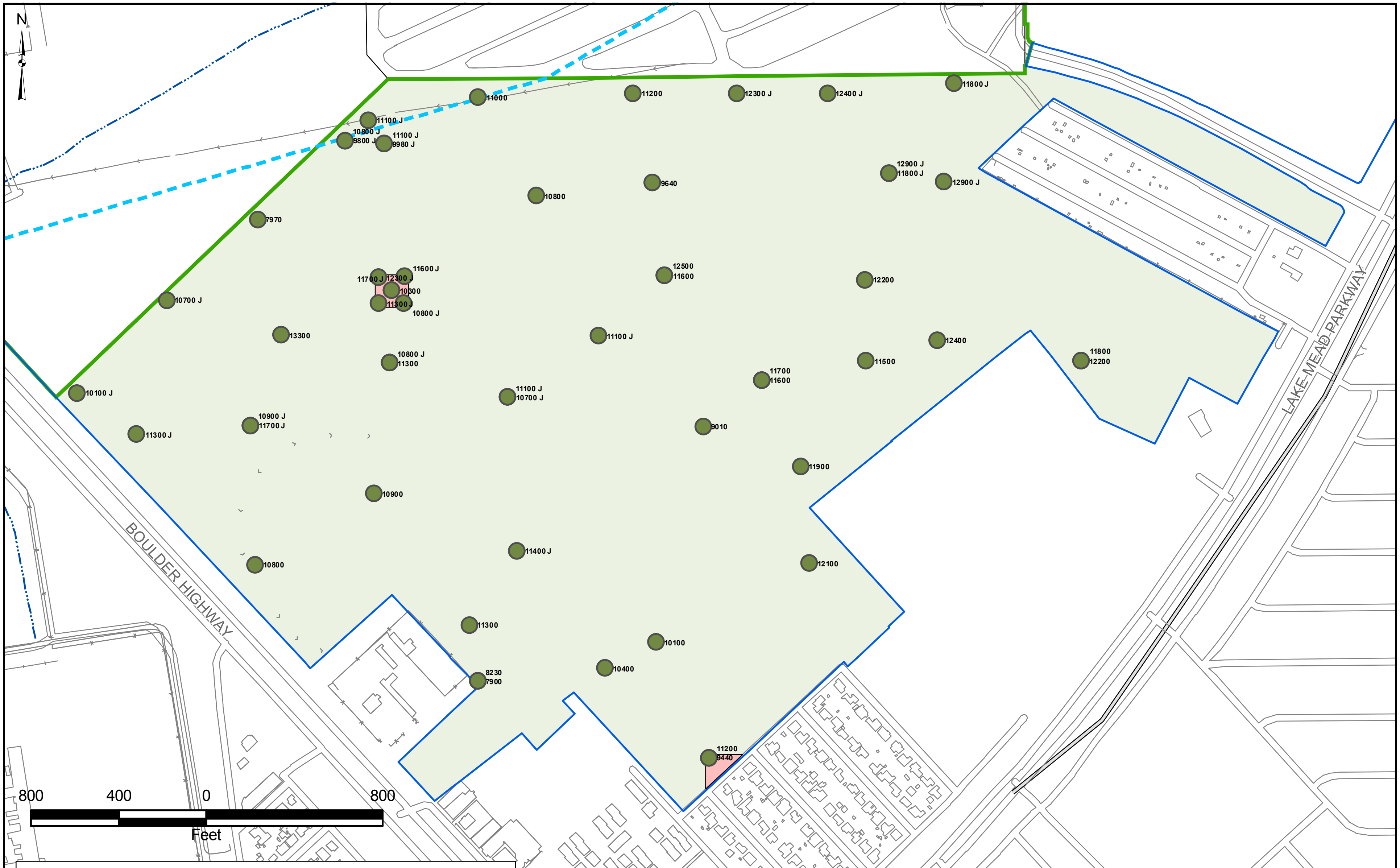
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-15

ALPHA-CHLORDANE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A

Site Soil Boundary

Site AOC3 Boundary

1,200 Ft Offset Line

Surface Excavation Areas

Non-Detect

Detect < 1/2-PRG

>= 1/2-PRG and < PRG

>= PRG and < 10x PRG

>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-16

ALUMINUM
SAMPLE RESULTS
0 to 1 FT BGS

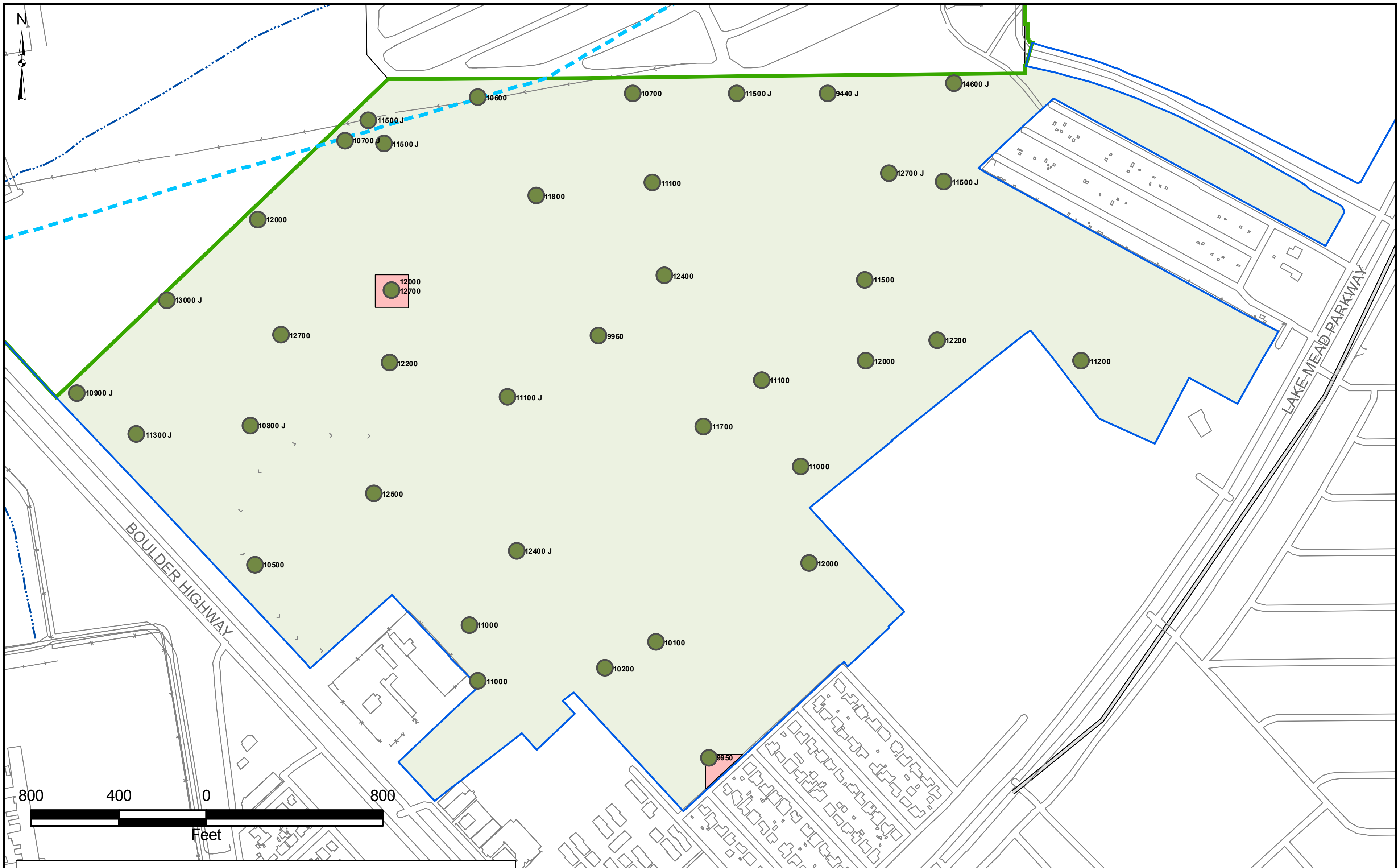
Basic Remediation
COMPANY

Prepared by: MKJ

Date 03/10/08

JOB No. 0064276

FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

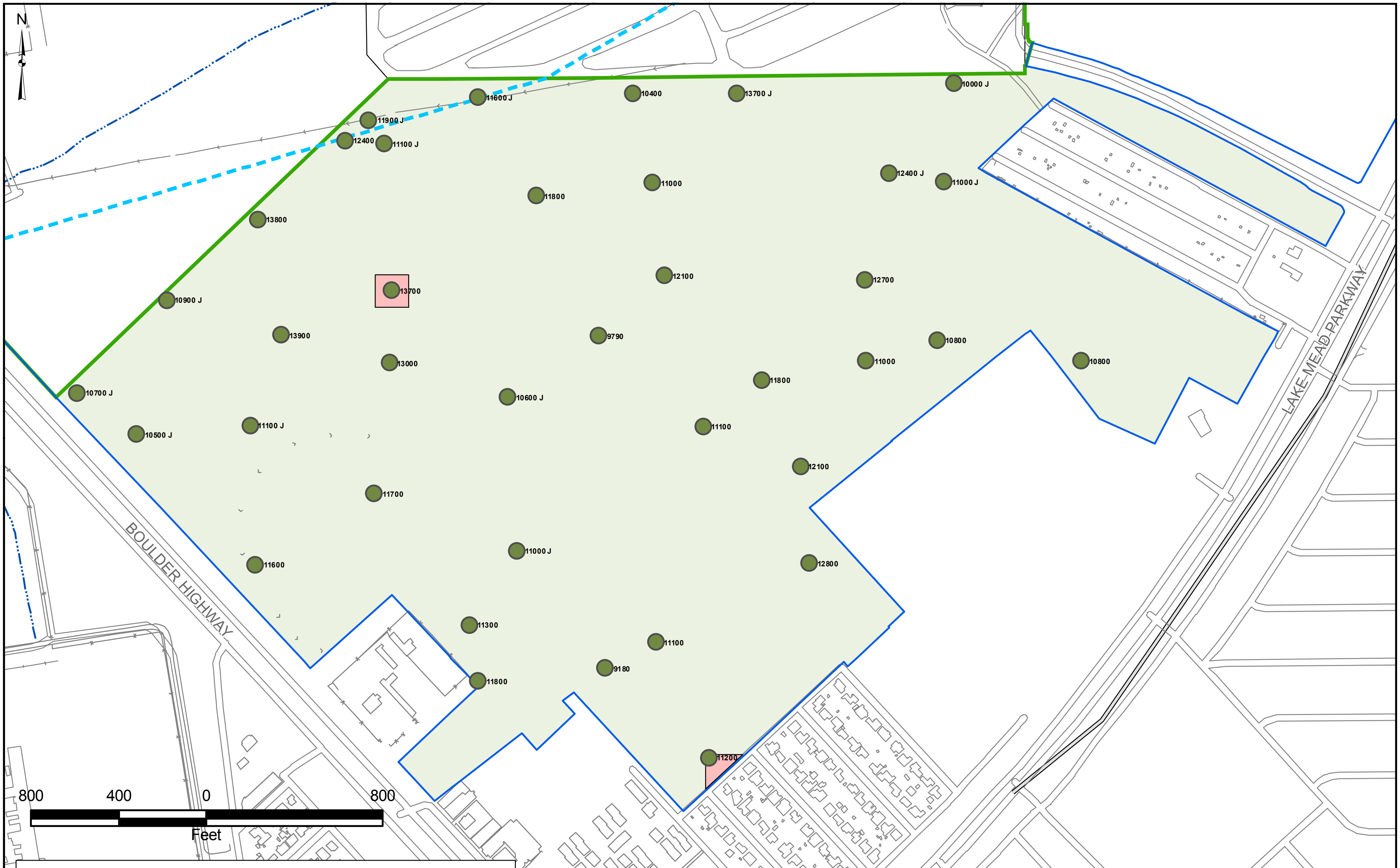
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-17

ALUMINUM
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

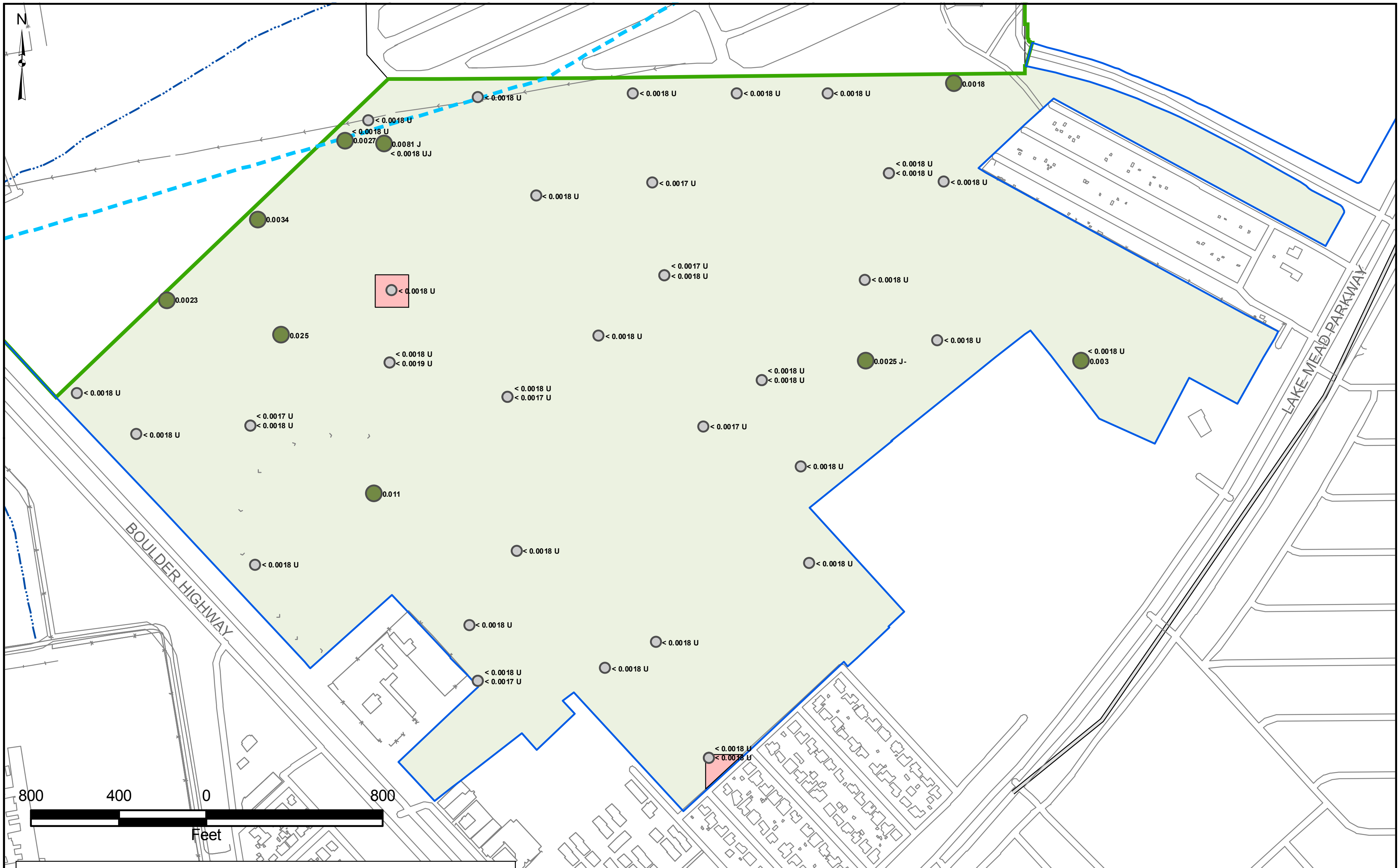
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-18

ALUMINUM
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

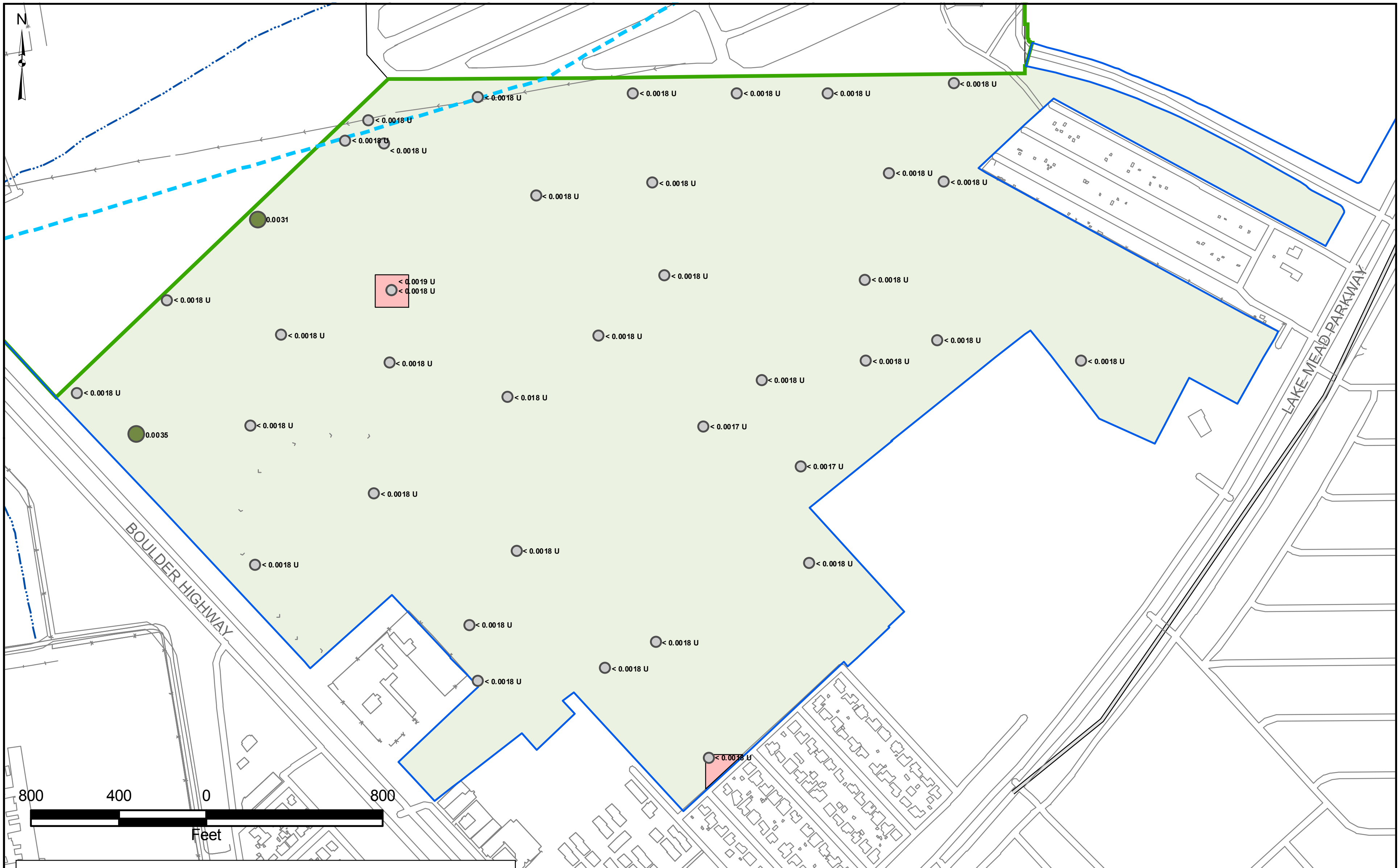
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-19

BETA-BHC
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas
Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

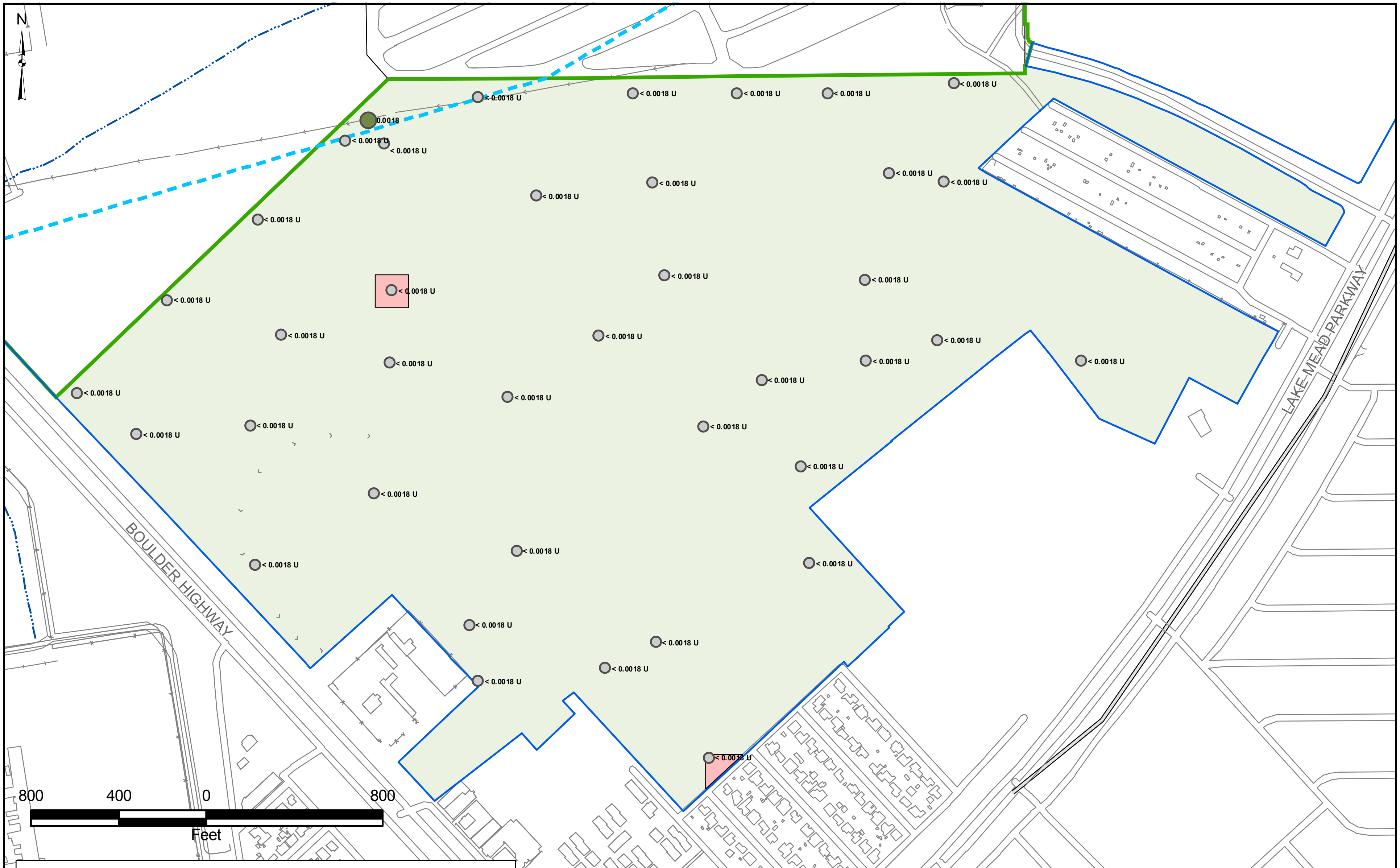
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-20

BETA-BHC
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation Company

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

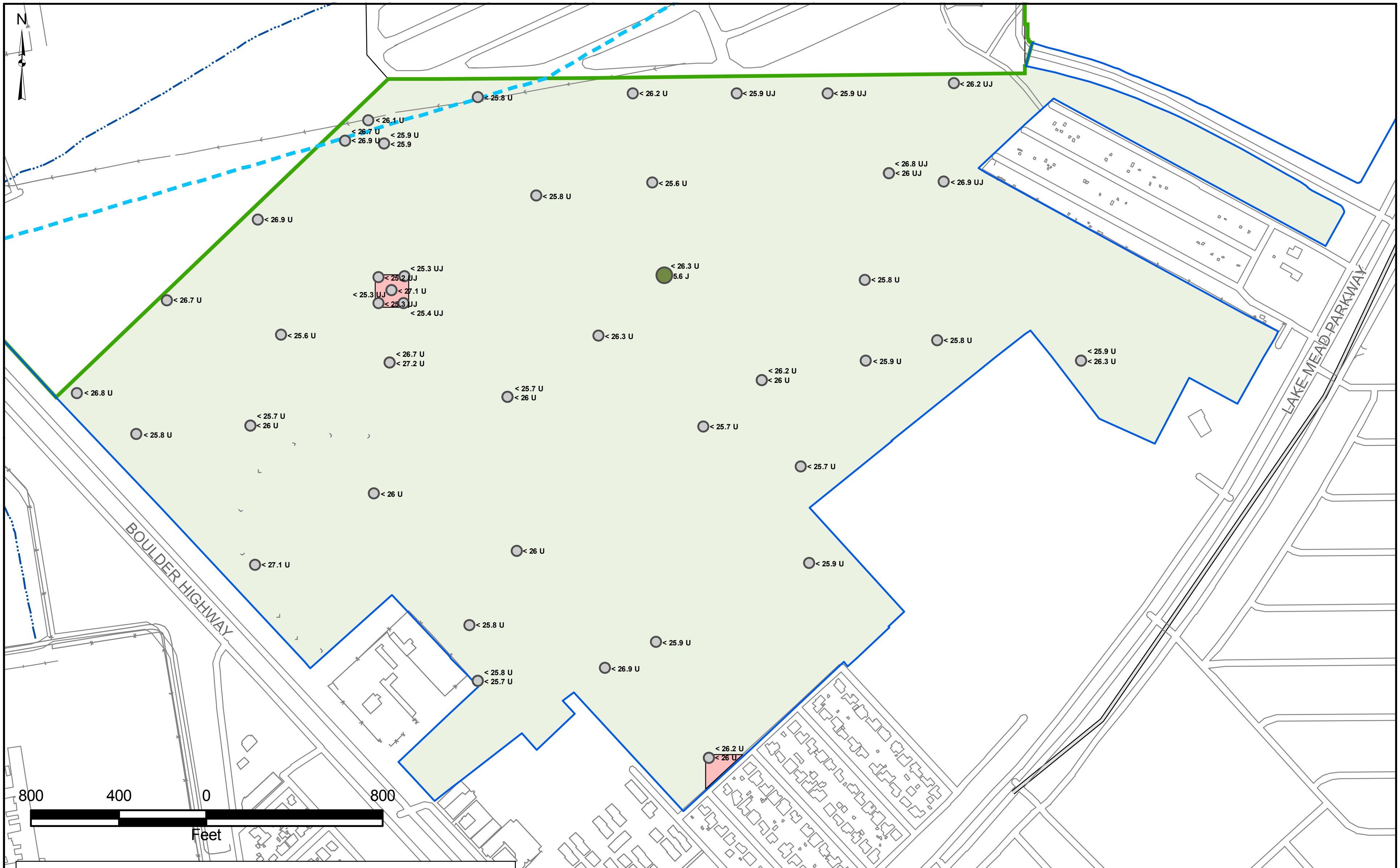
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-21

BETA-BHC
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas
Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

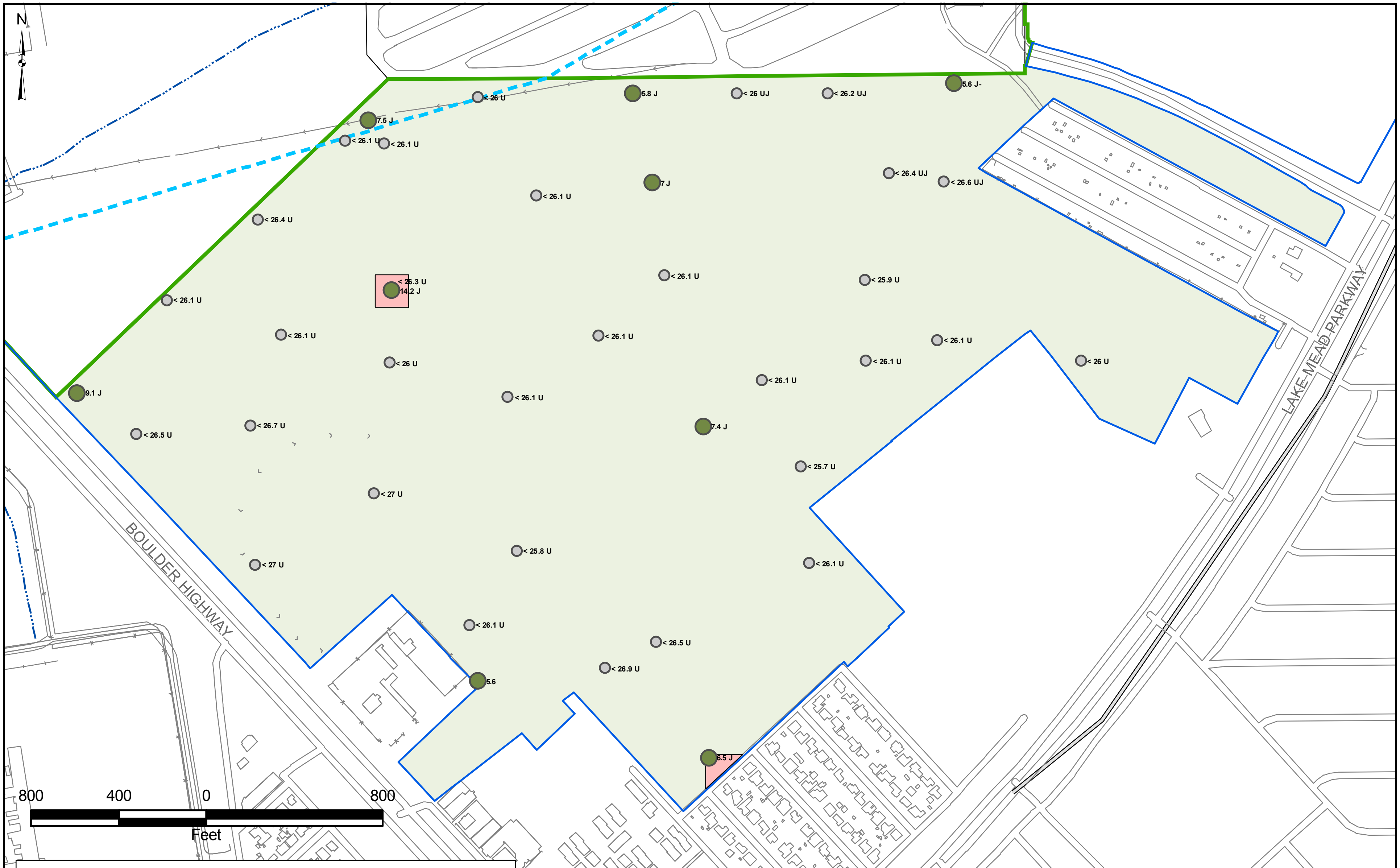
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-22

BORON
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

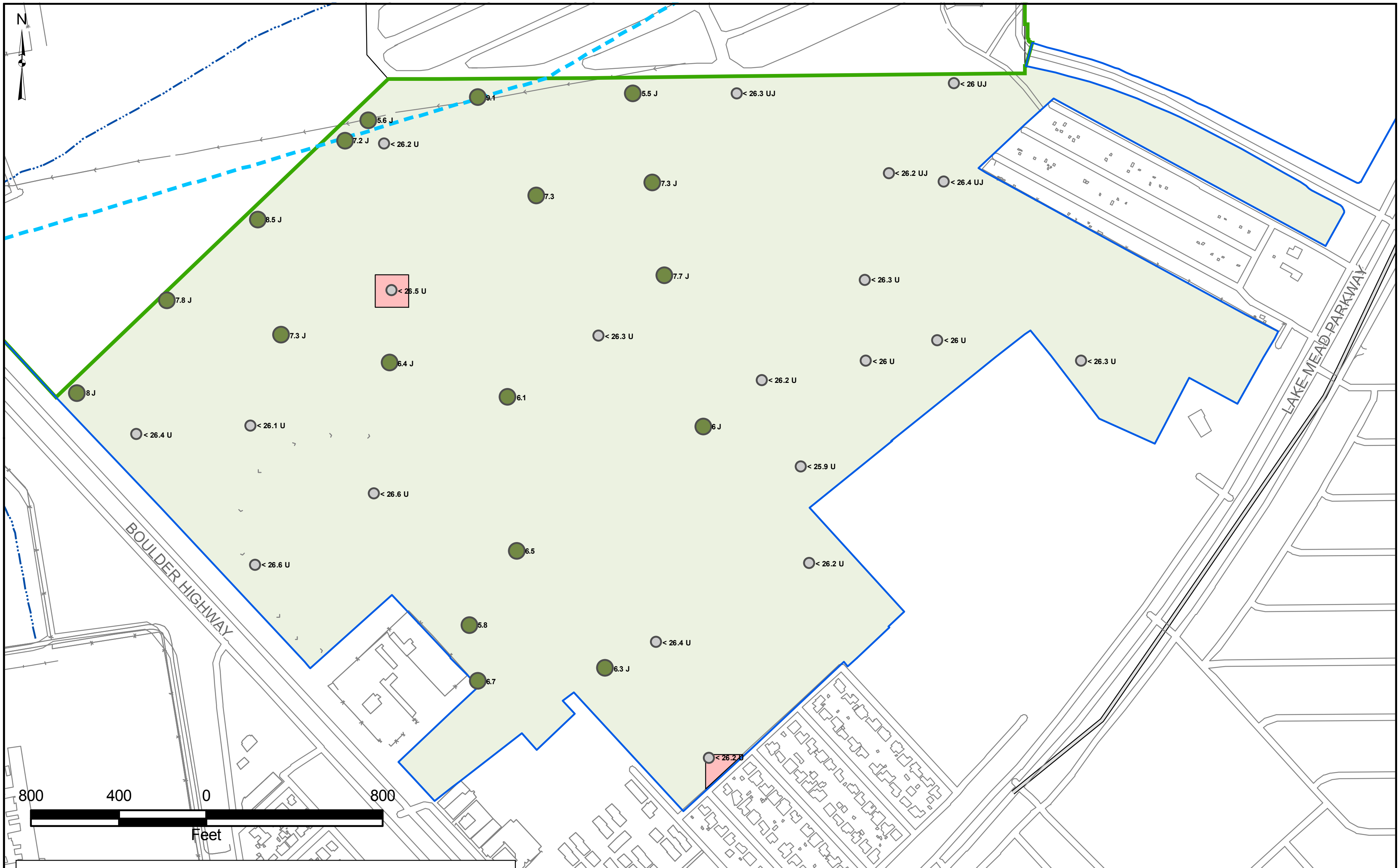
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-23

BORON
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

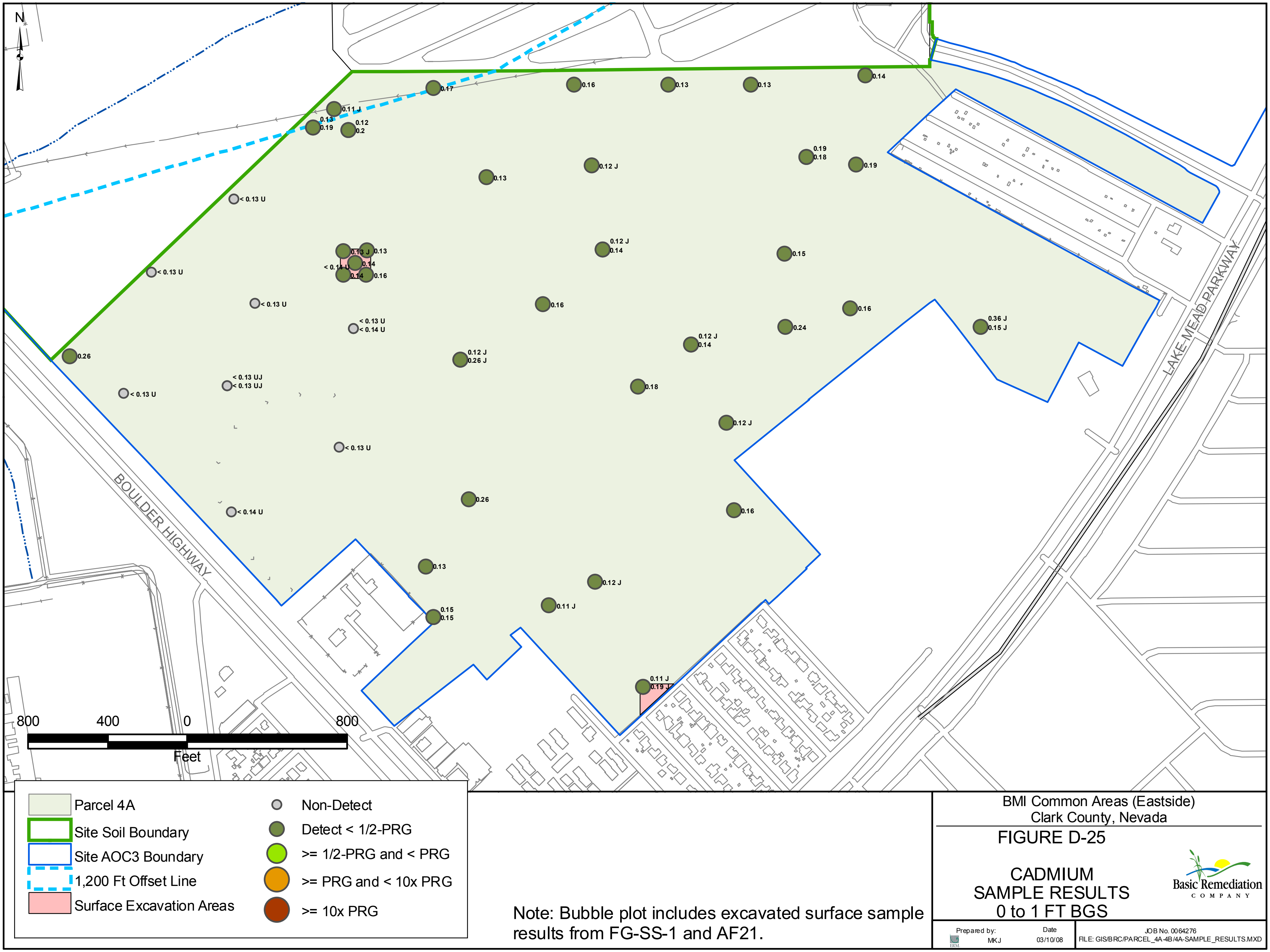
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-24

BORON
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

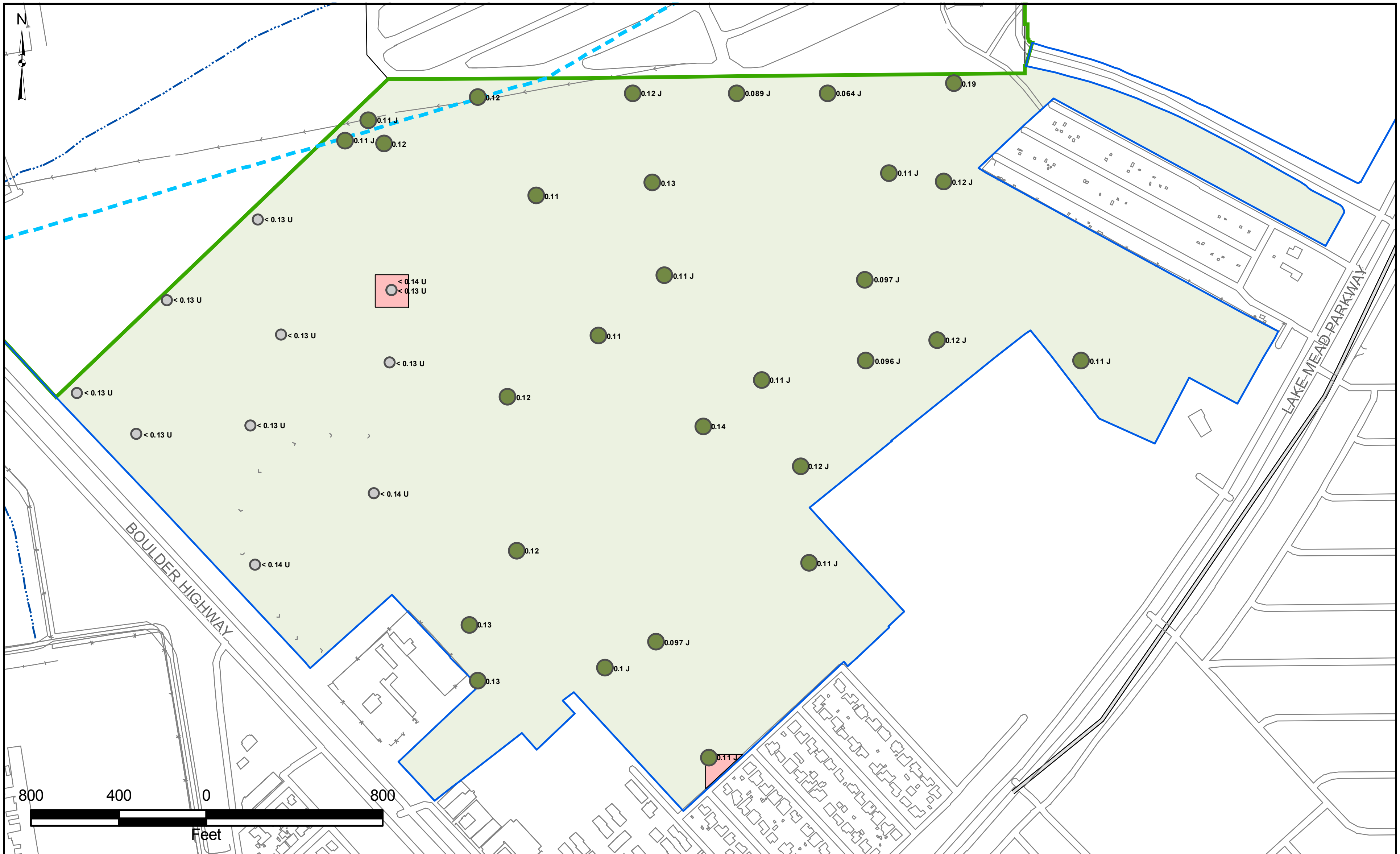
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-25

CADMIUM
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

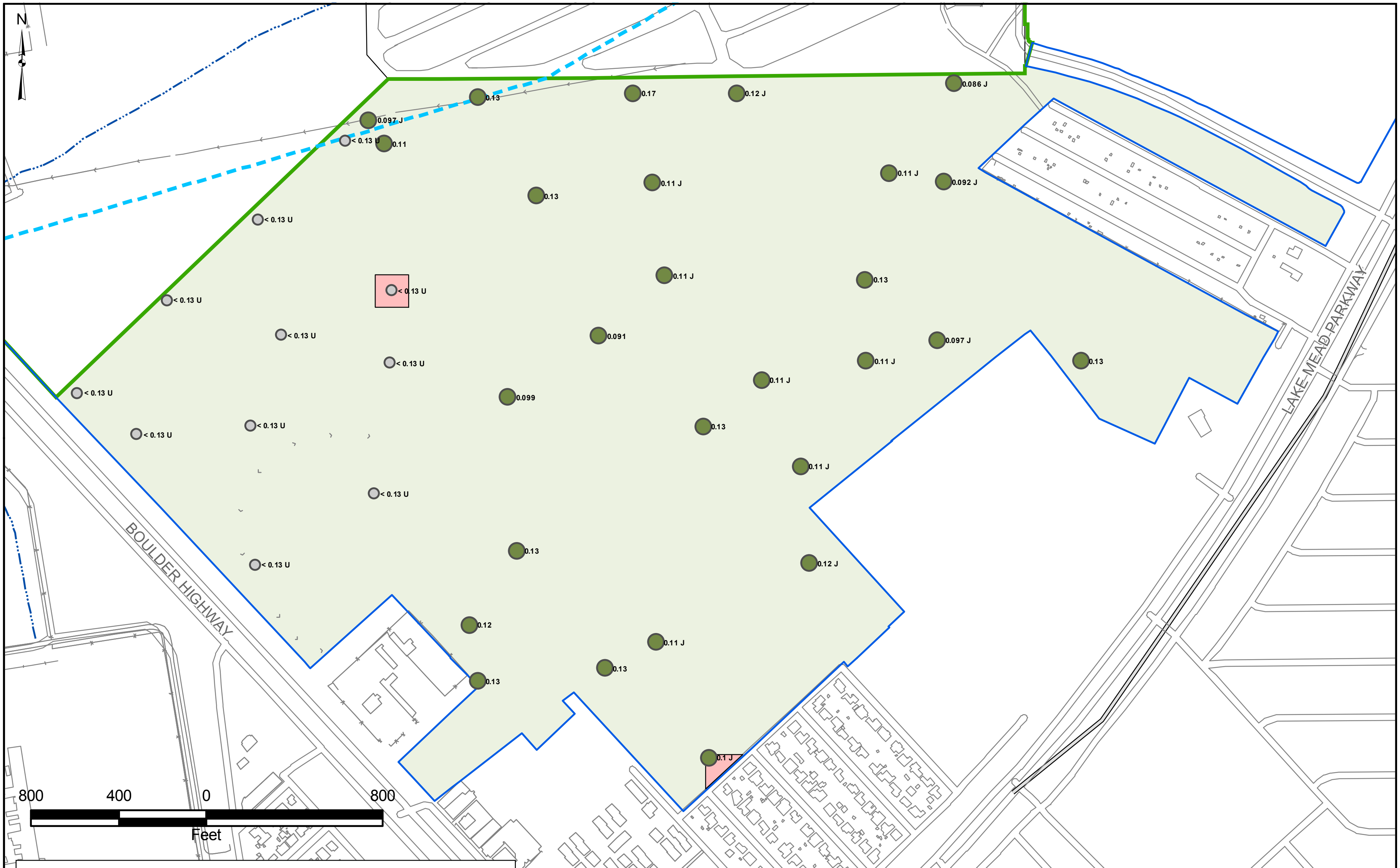
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-26

CADMIUM
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

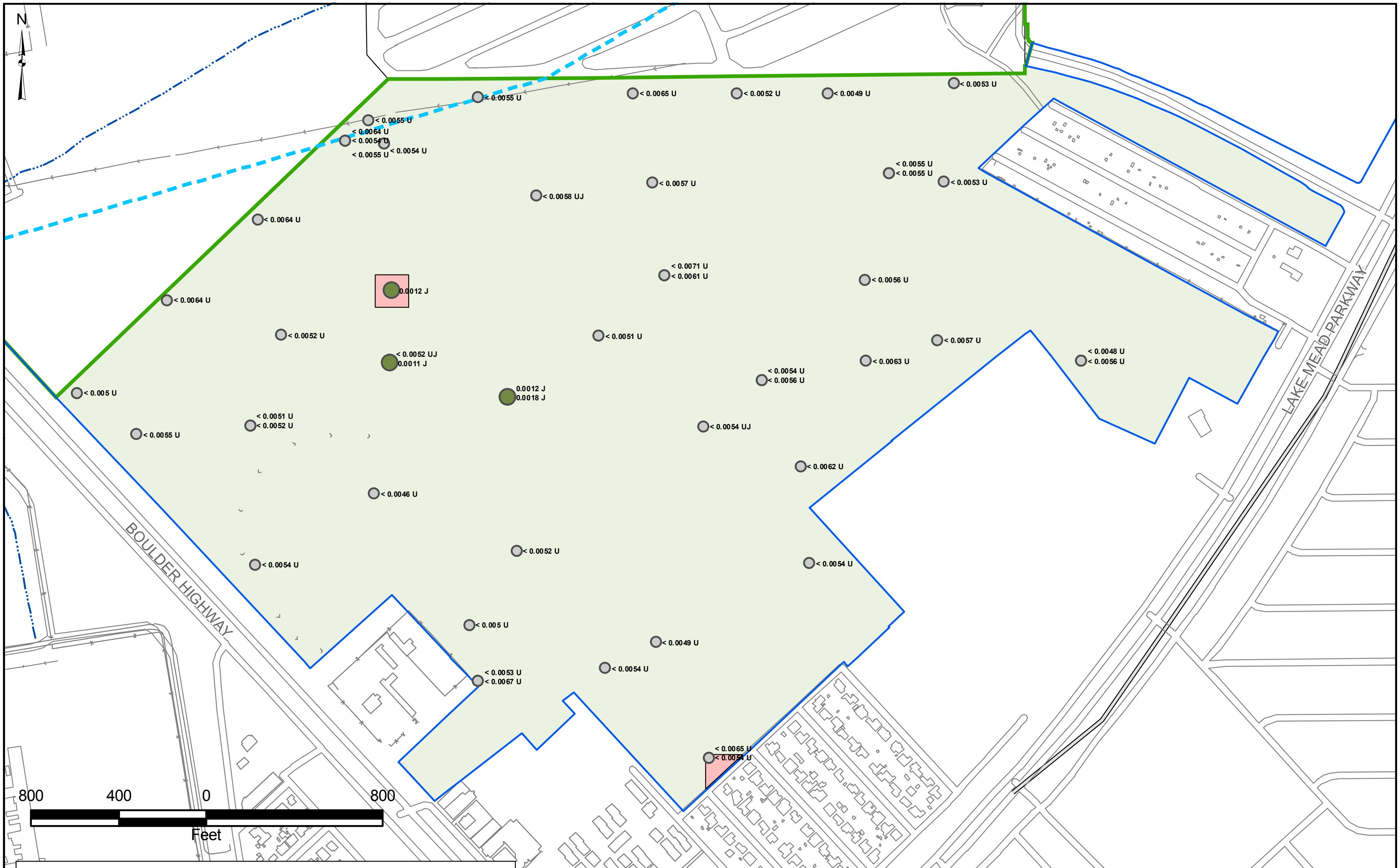
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-27

CADMIUM
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Legend	
Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

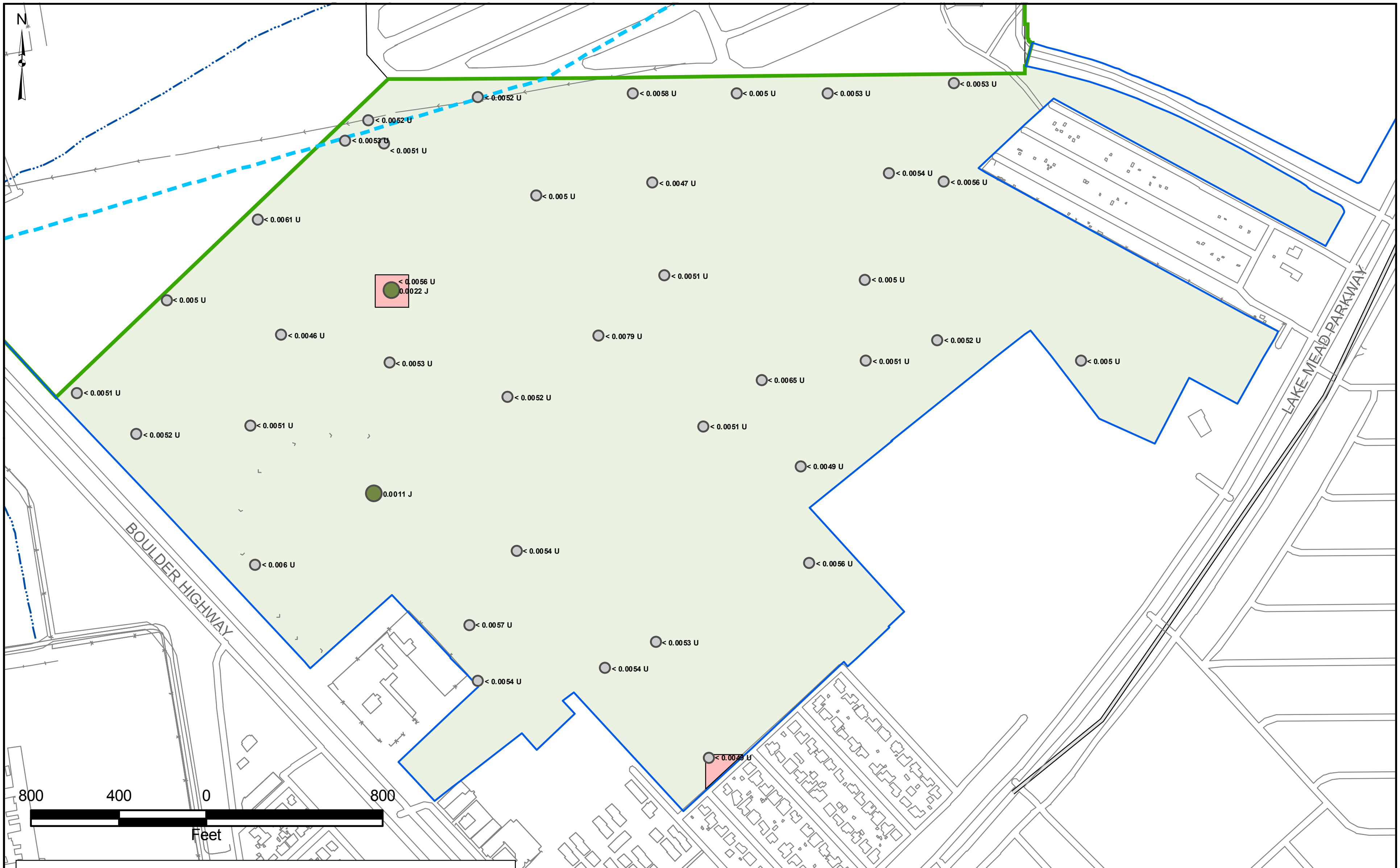
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-28

CARBON TETRACHLORIDE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

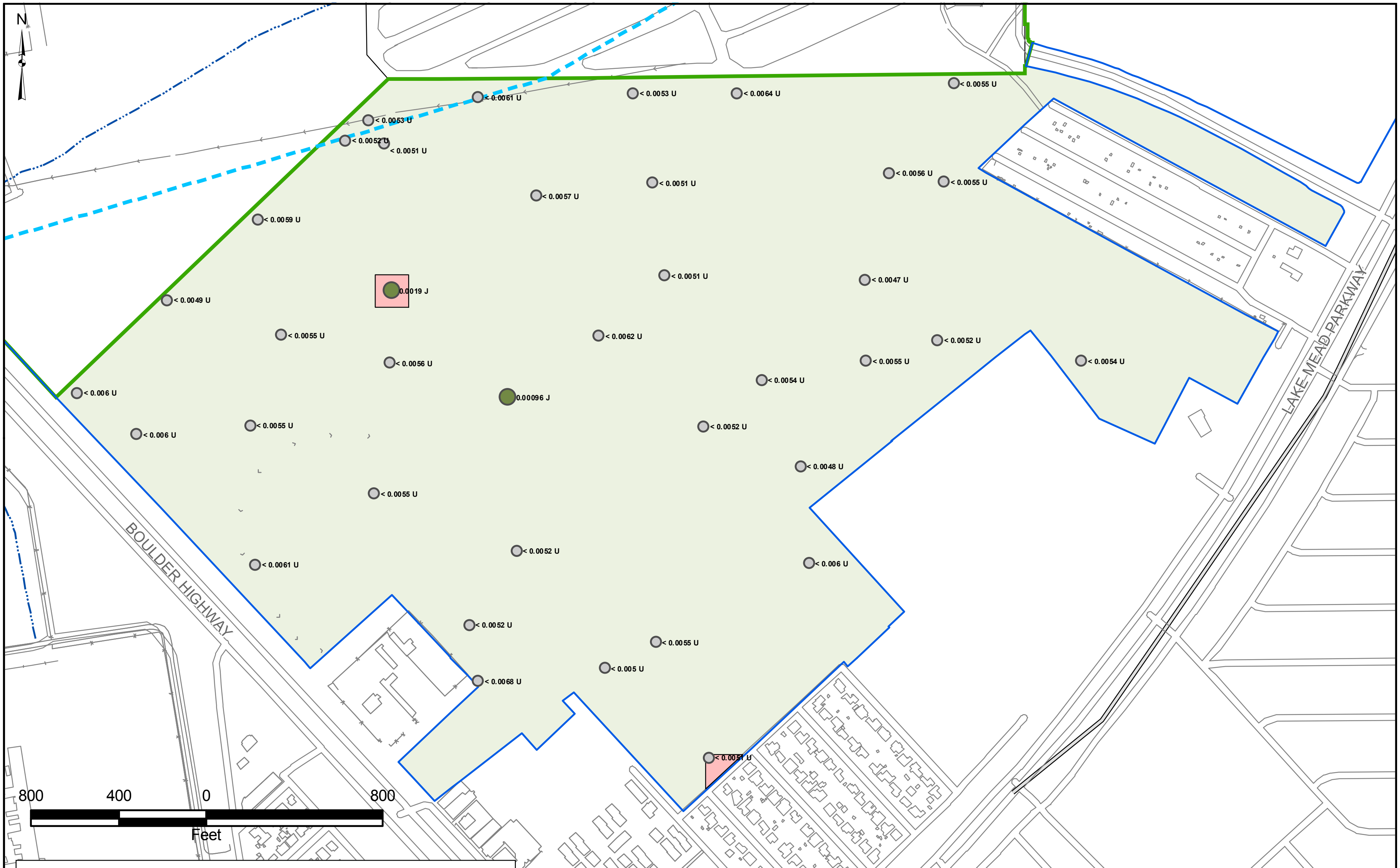
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-29

CARBON TETRACHLORIDE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Legend			
	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

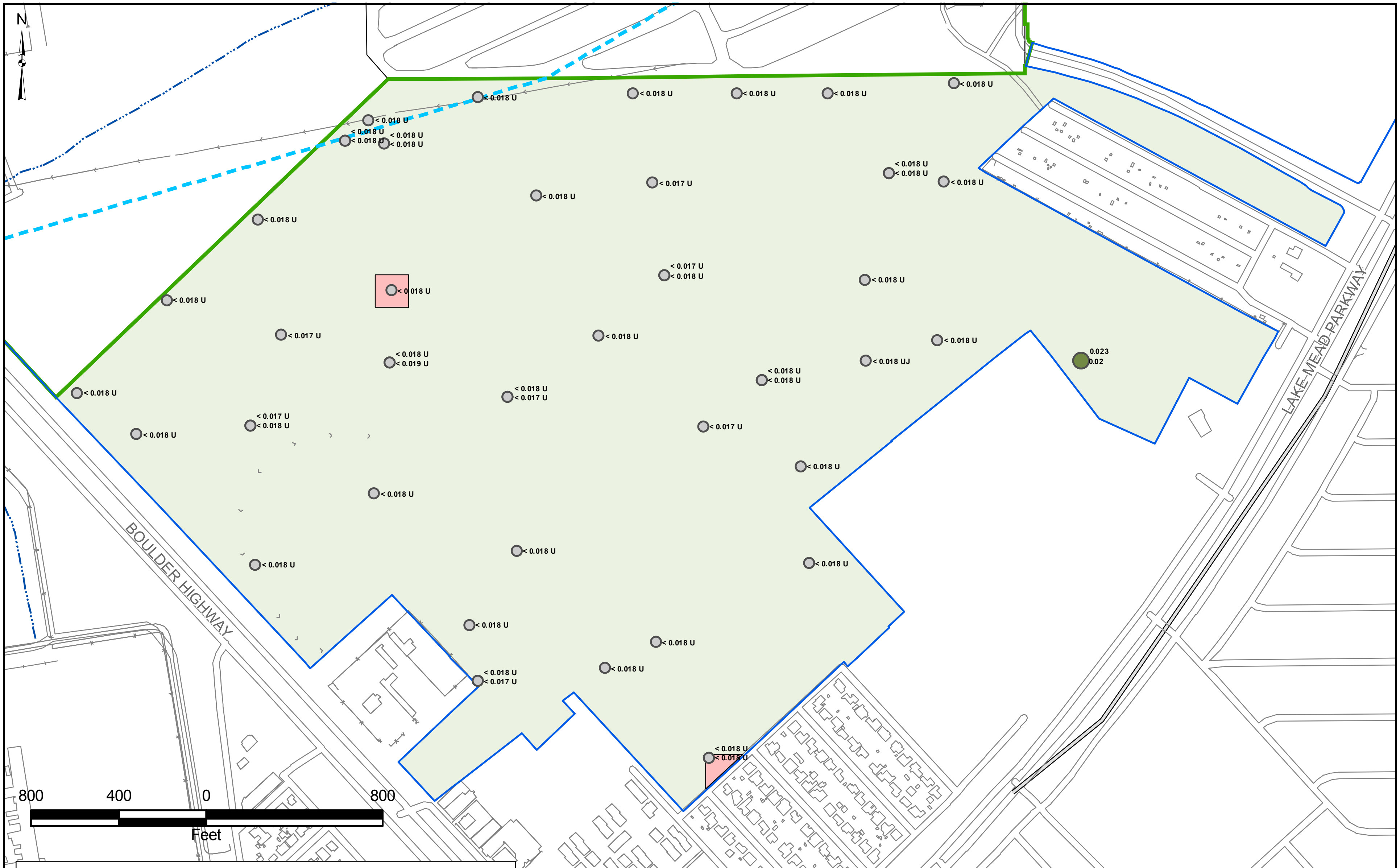
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-30

CARBON TETRACHLORIDE SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

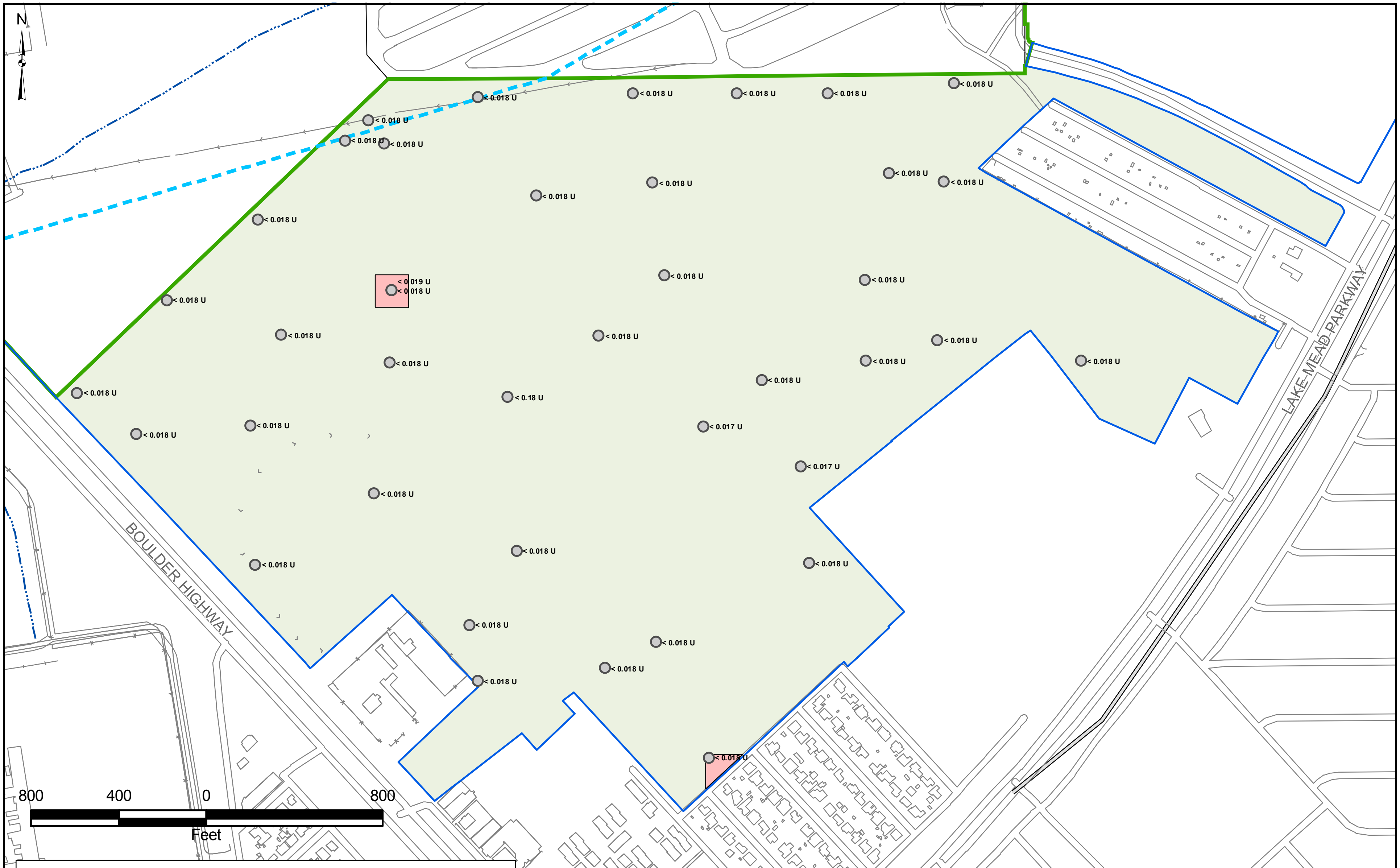
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-31

CHLORDANE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

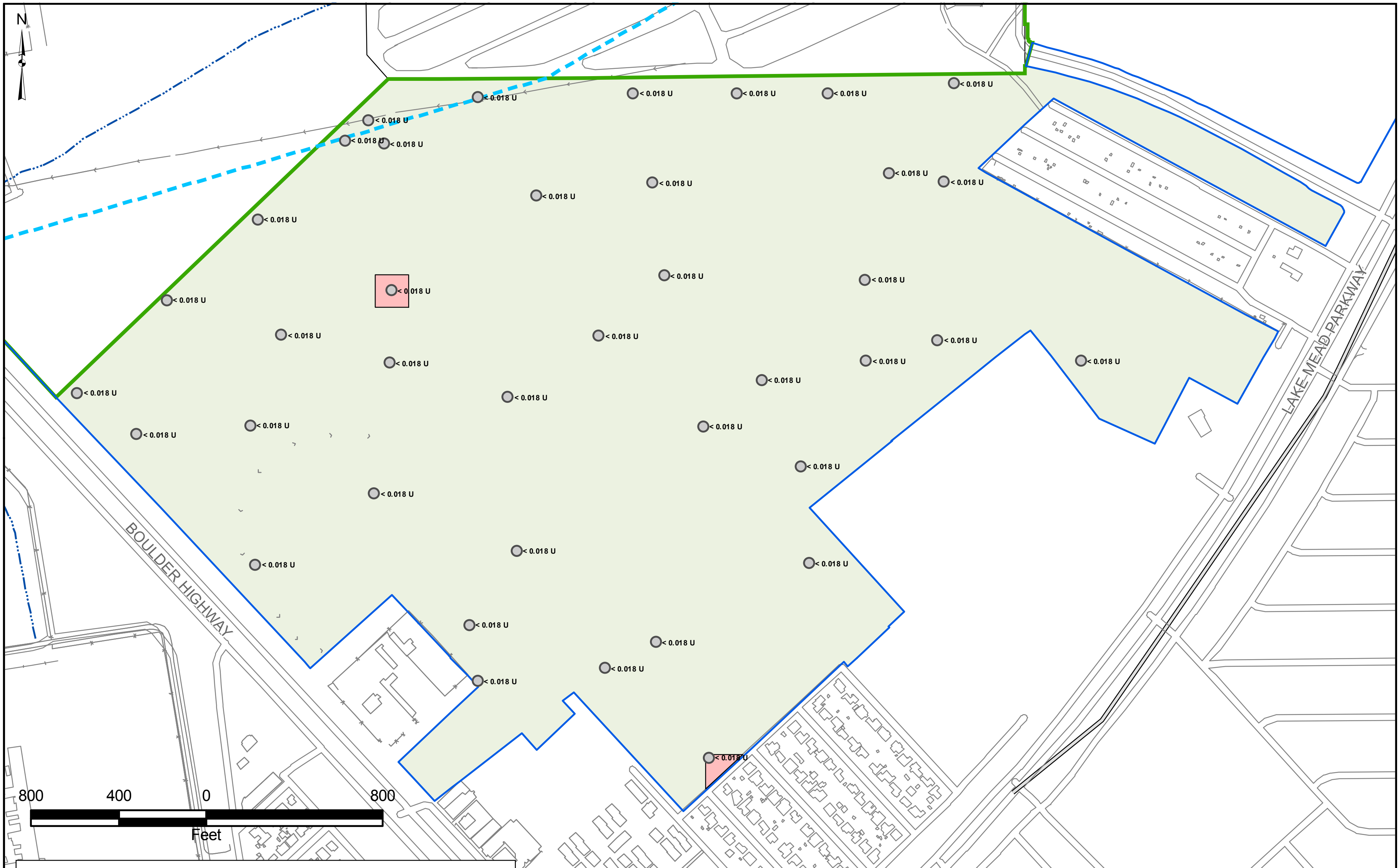
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-32

CHLORDANE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

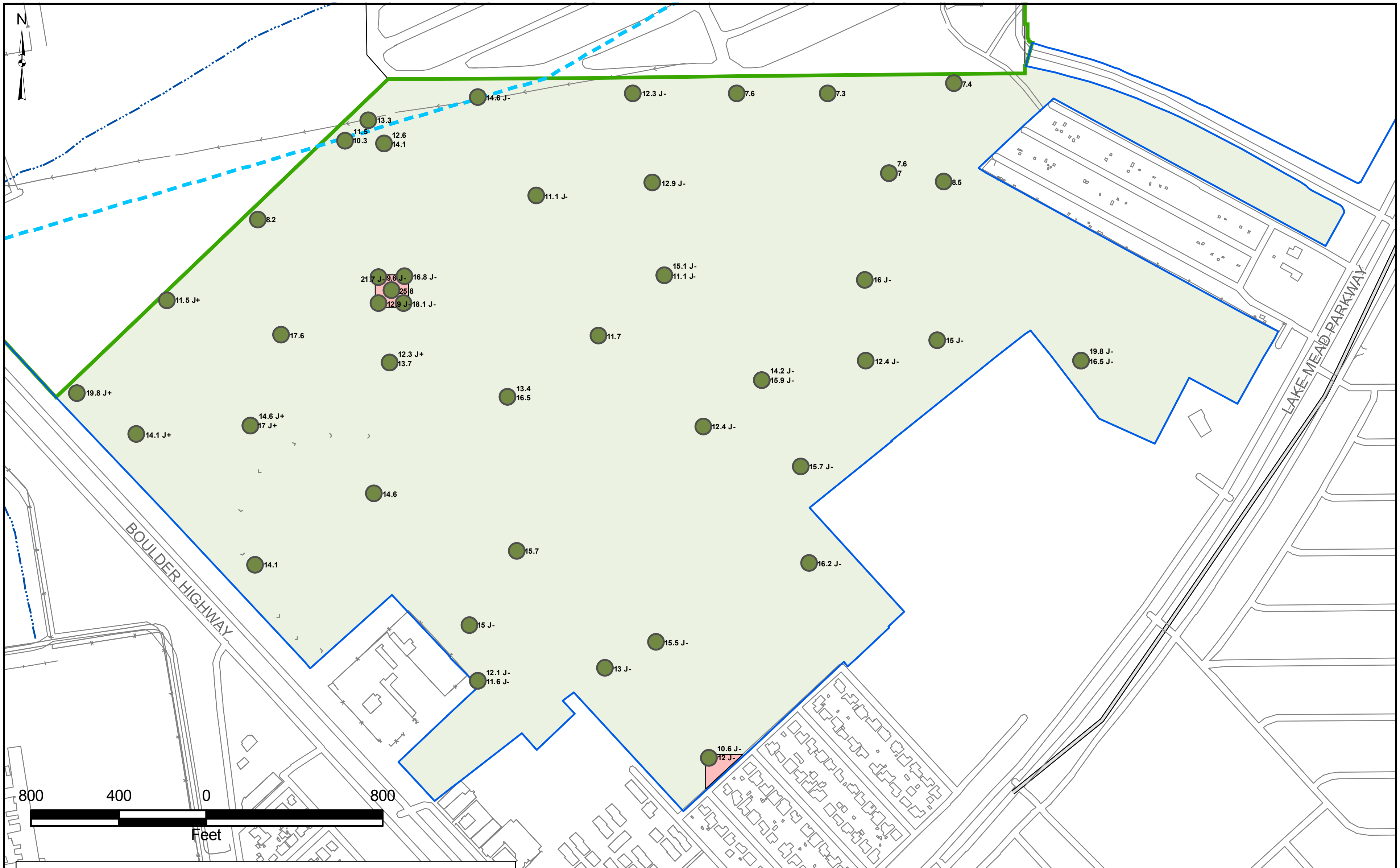
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-33

CHLORDANE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

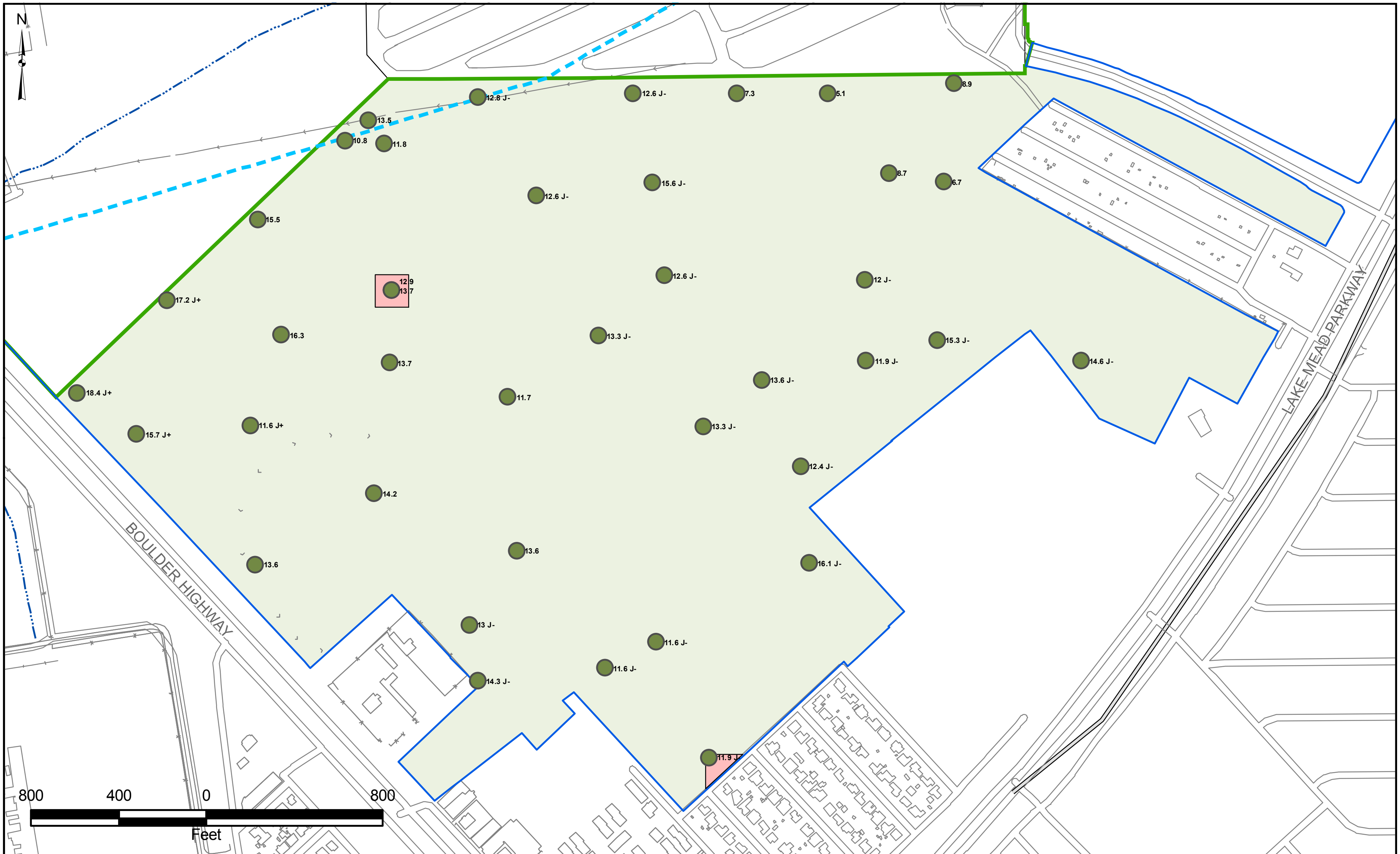
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-34

CHROMIUM (TOTAL)
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Legend			
	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

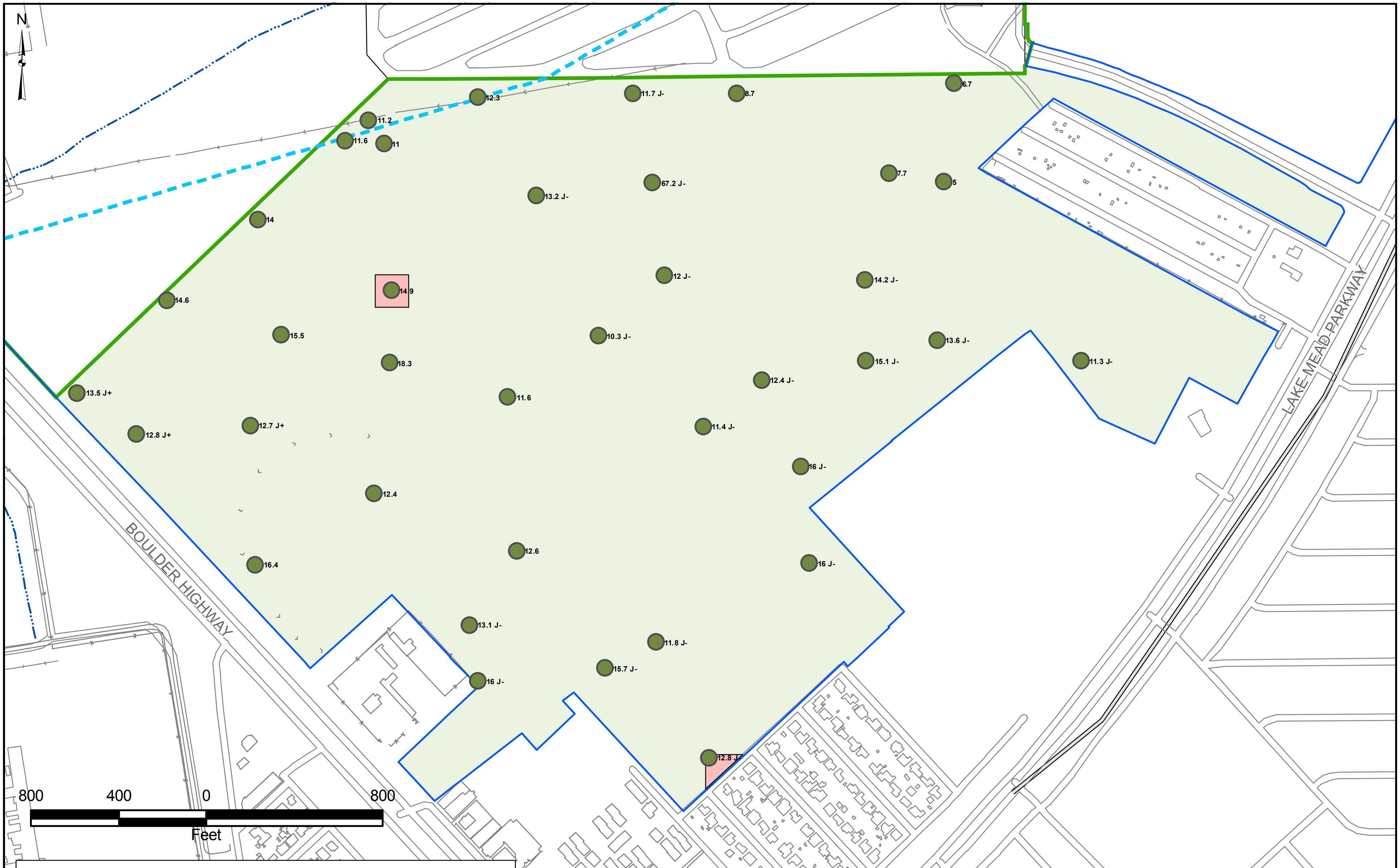
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-35

CHROMIUM (TOTAL)
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

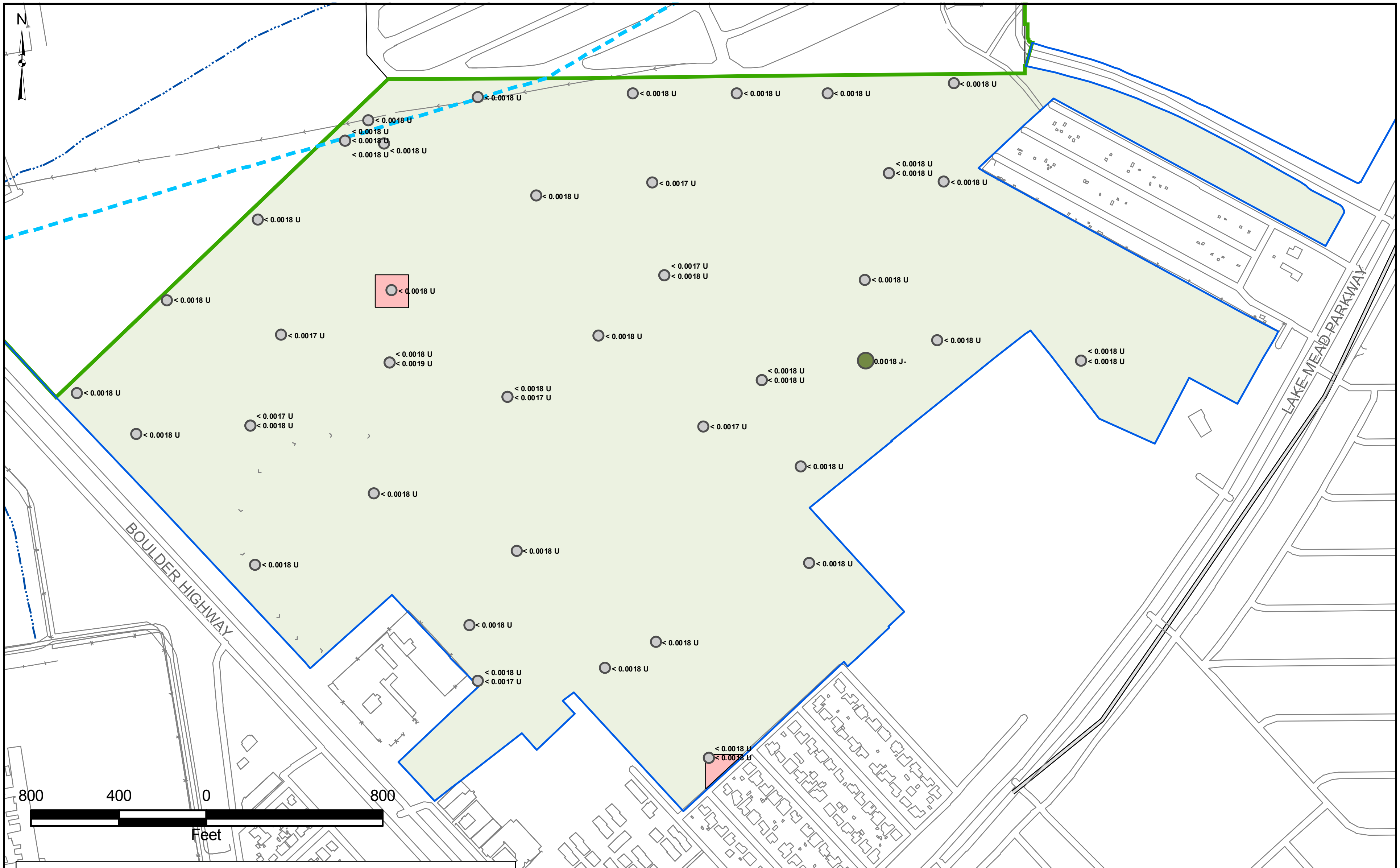
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-36

CHROMIUM (TOTAL)
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation Company

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

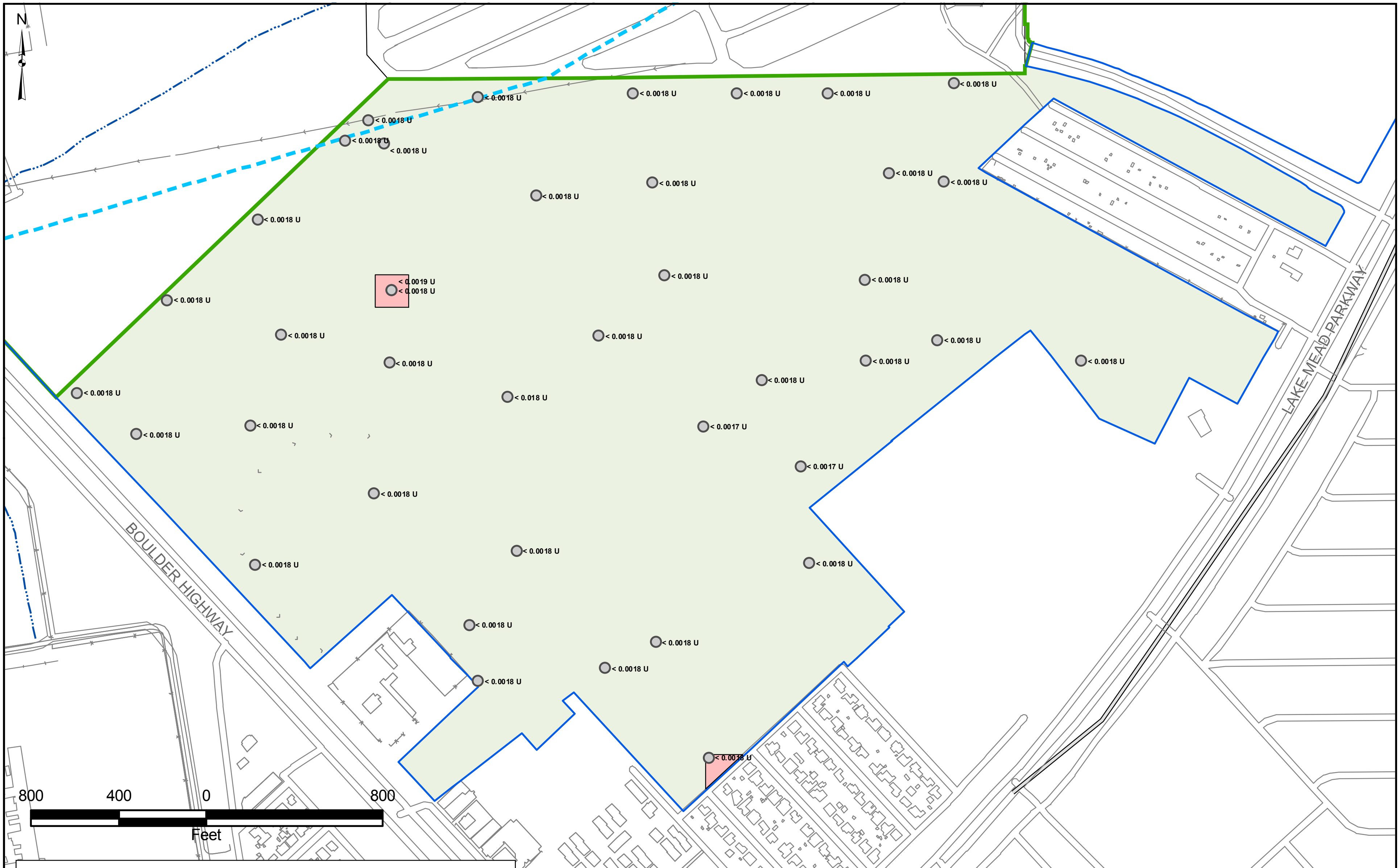
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-37

DIELDRIN
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

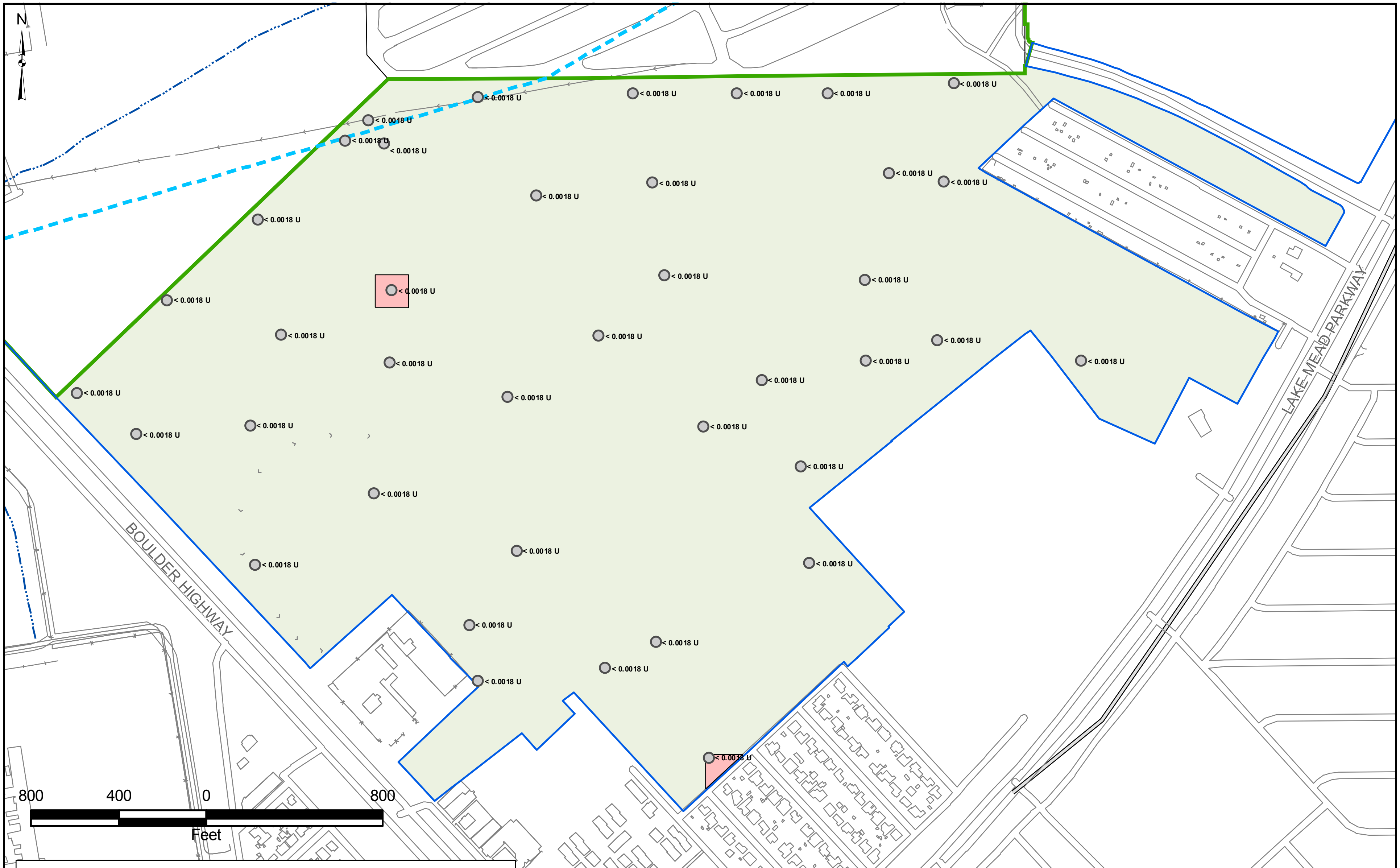
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-38

DIELDRIN
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

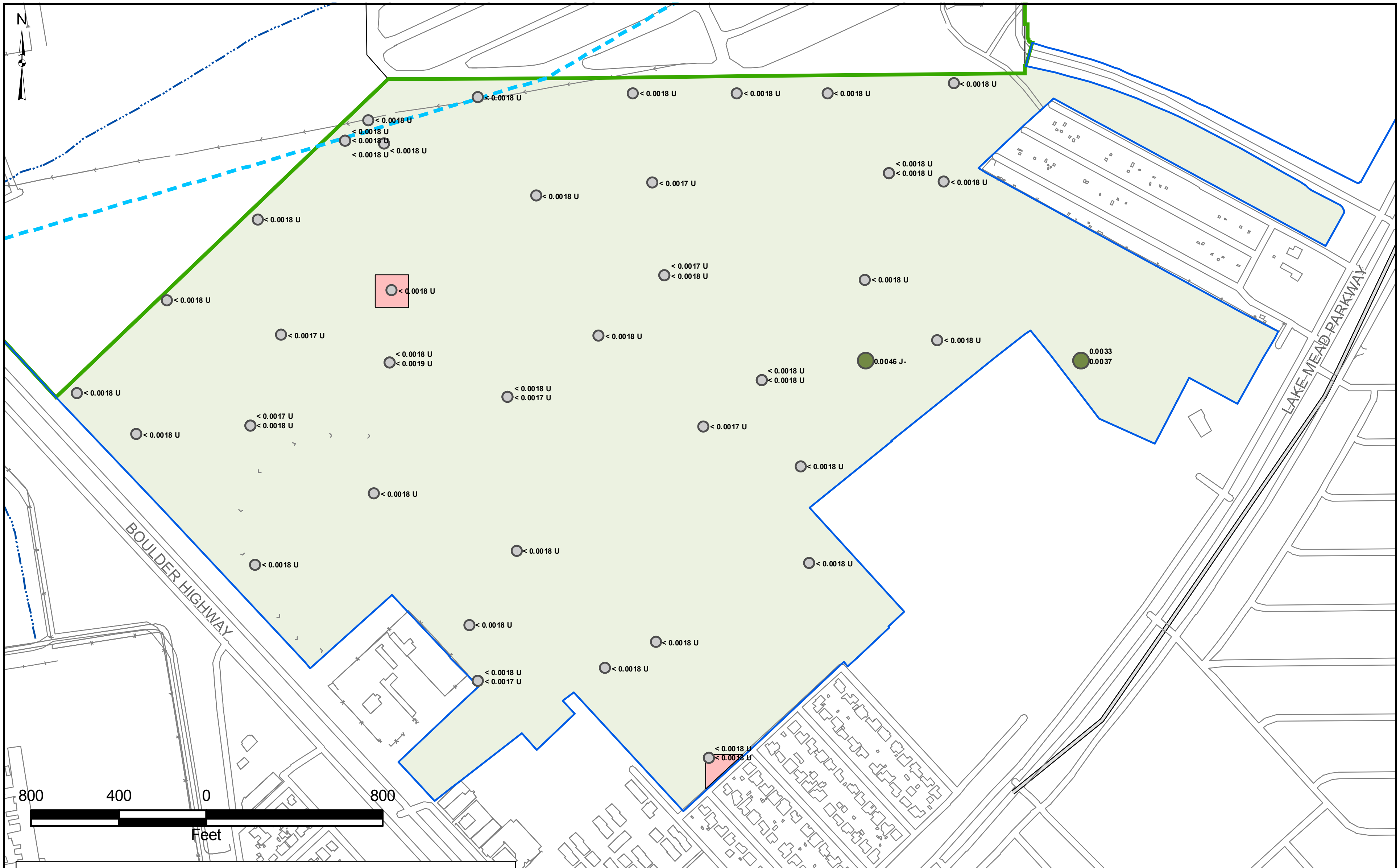
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-39

DIELDRIN
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas
Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

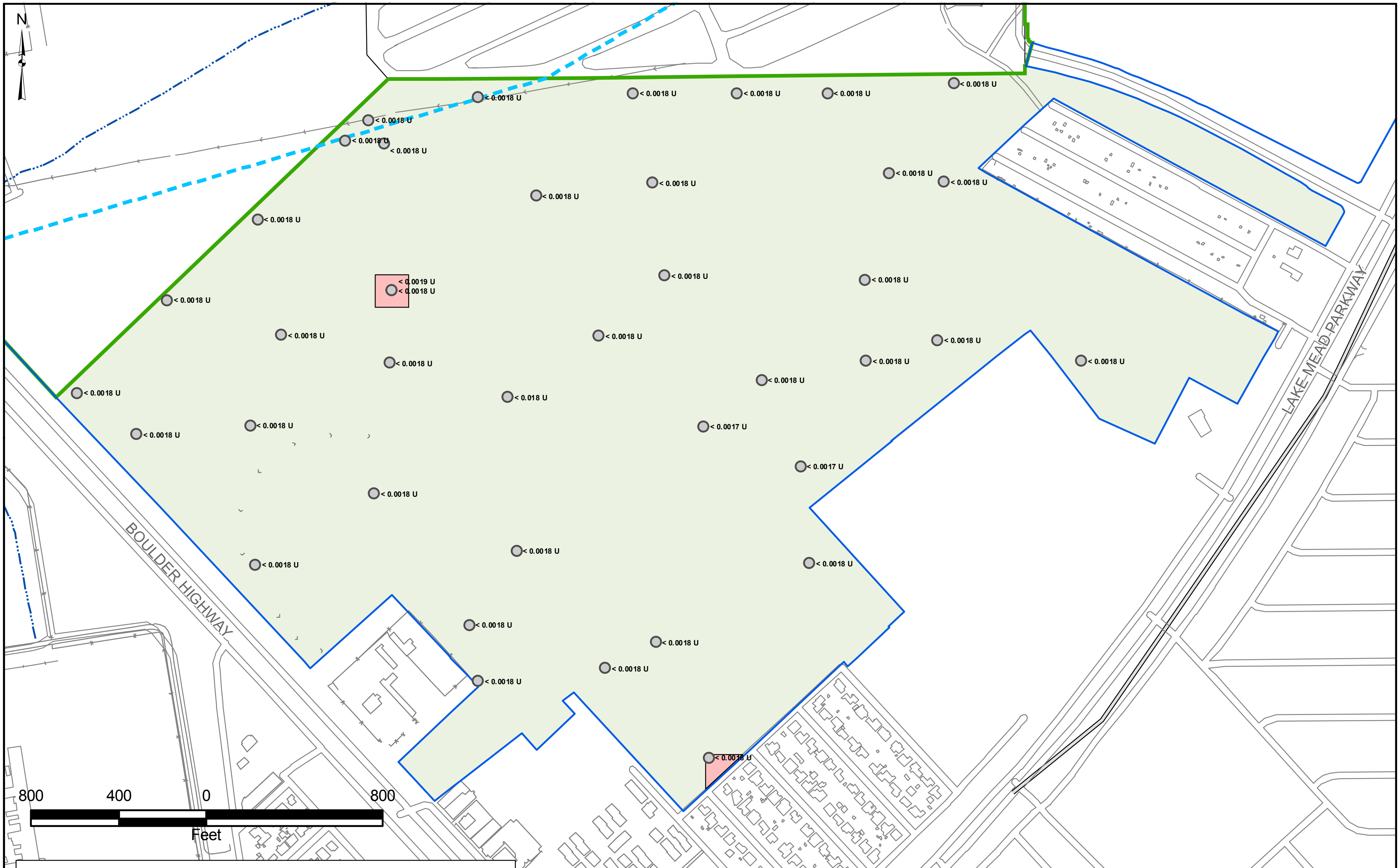
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-40

GAMMA-CHLORDANE SAMPLE RESULTS 0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Symbol	Description
	Parcel 4A
	Site Soil Boundary
	Site AOC3 Boundary
	1,200 Ft Offset Line
	Surface Excavation Areas
	Non-Detect
	Detect < 1/2-PRG
	>= 1/2-PRG and < PRG
	>= PRG and < 10x PRG
	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

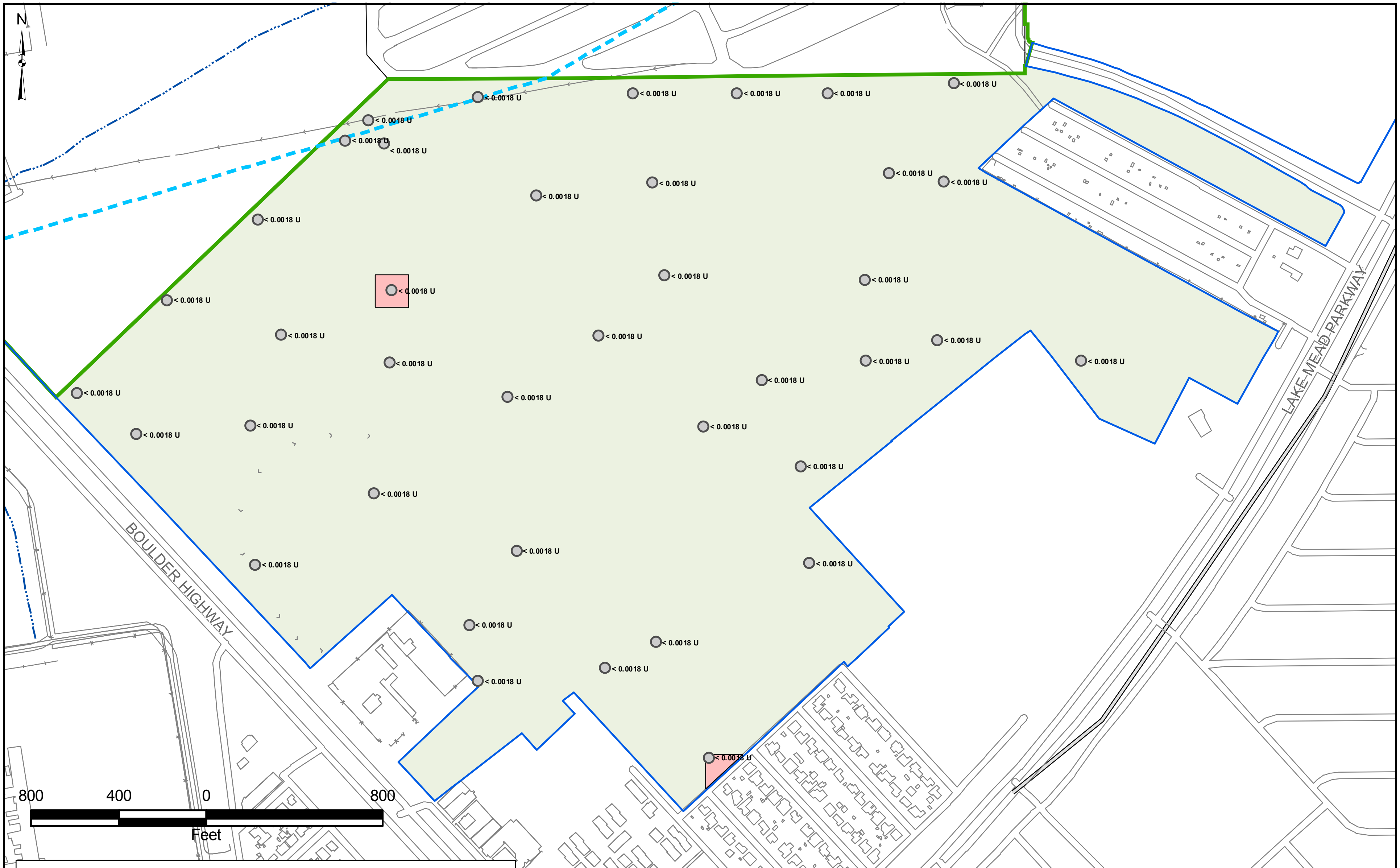
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-41

GAMMA-CHLORDANE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

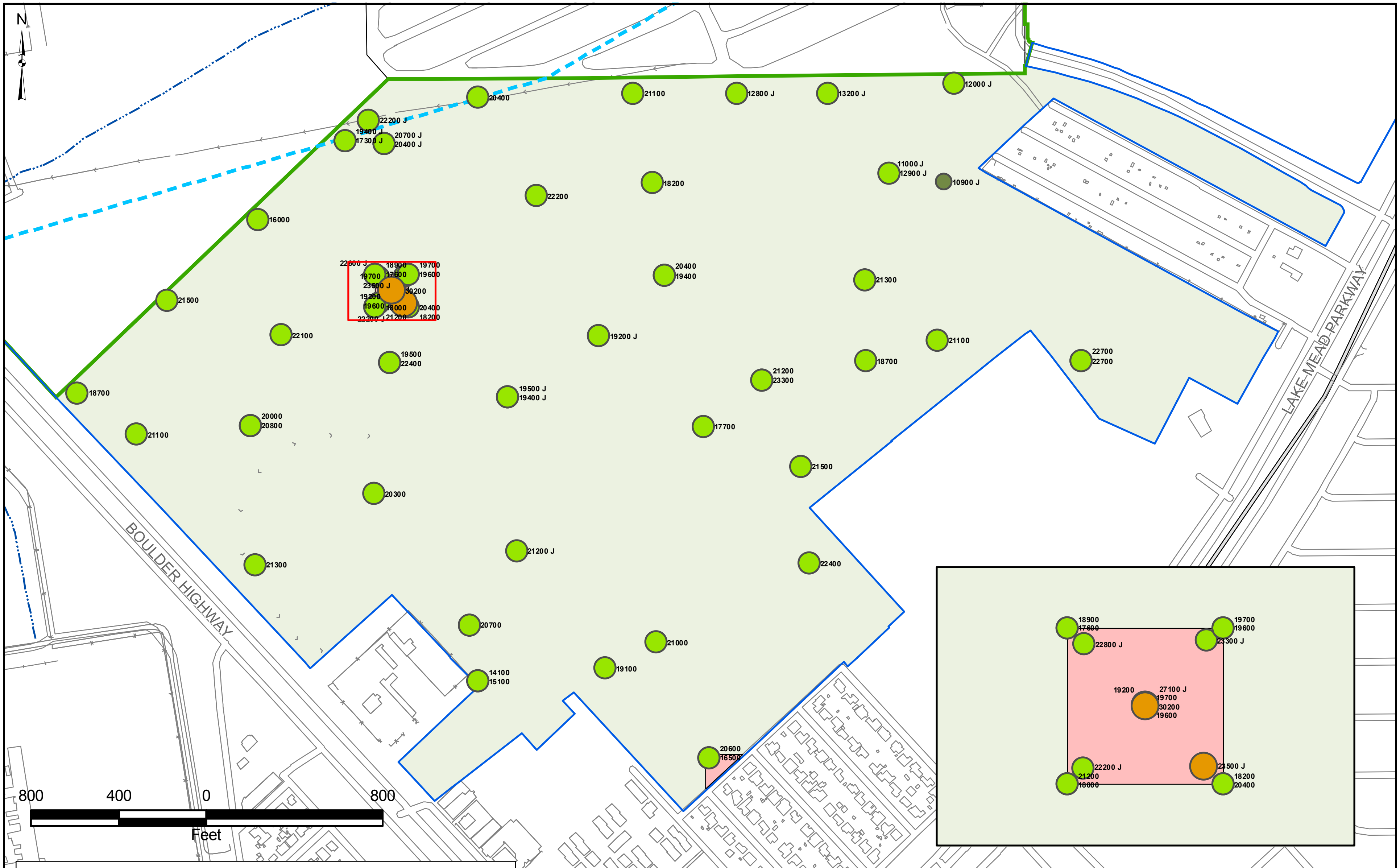
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-42

GAMMA-CHLORDANE SAMPLE RESULTS 9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-43

IRON
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-44

IRON
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

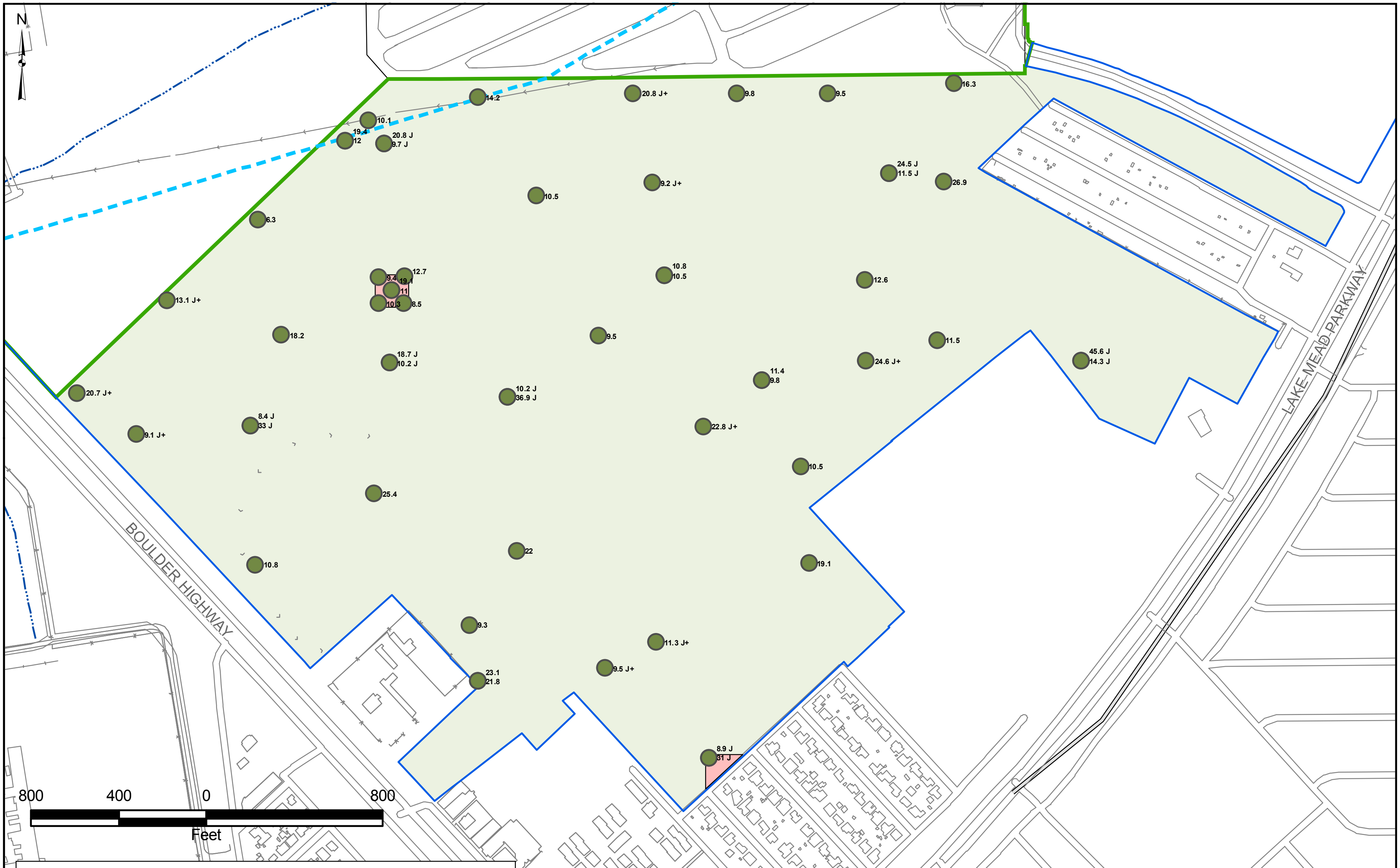
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-45

IRON
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-46

LEAD
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation Company

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A

Site Soil Boundary

Site AOC3 Boundary

1,200 Ft Offset Line

Surface Excavation Areas

Non-Detect

Detect < 1/2-PRG

>= 1/2-PRG and < PRG

>= PRG and < 10x PRG

>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-47

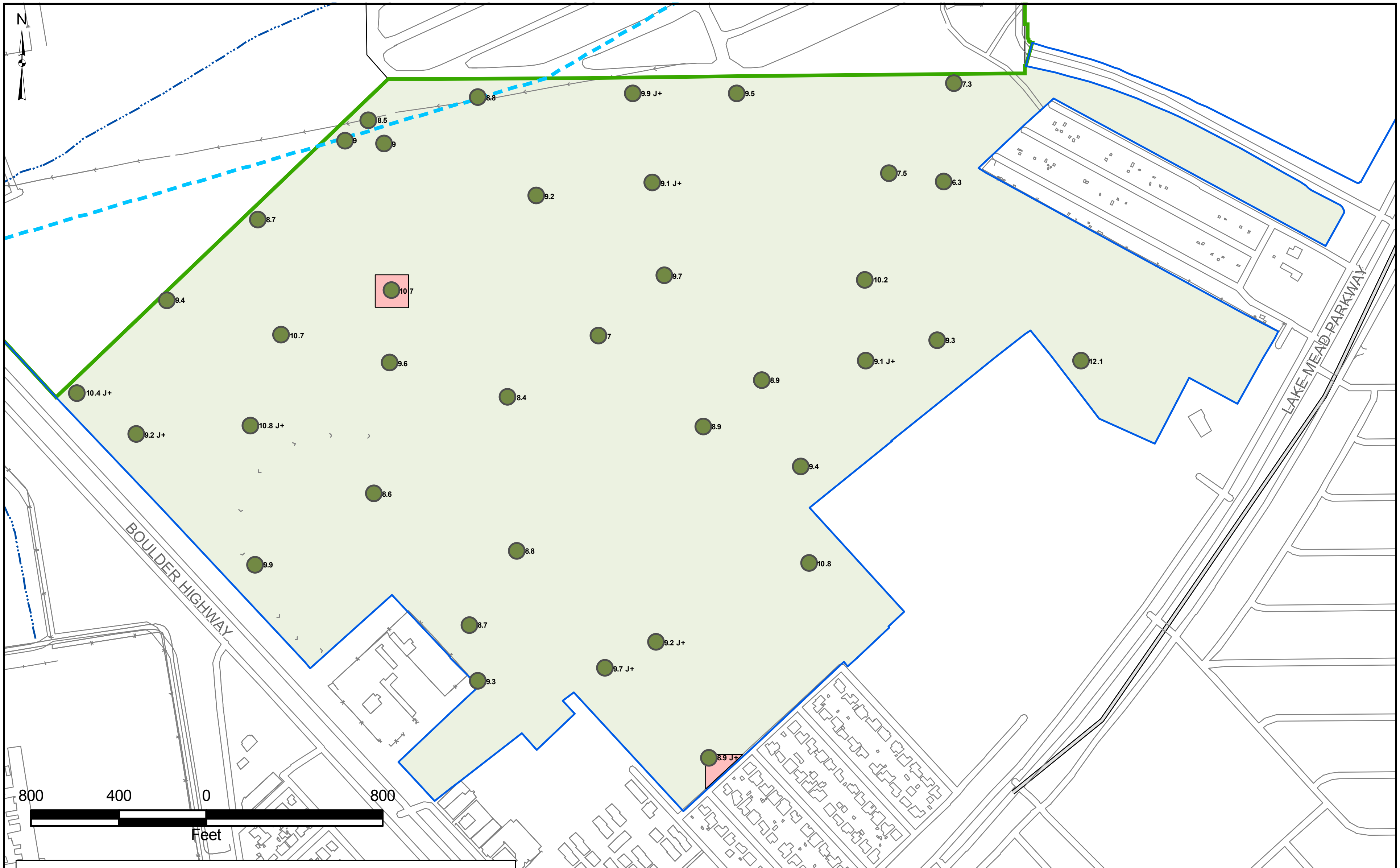
LEAD
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation Company

Prepared by: MKJ

Date 03/10/08

JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-48

LEAD
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-49

MANGANESE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation Company

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

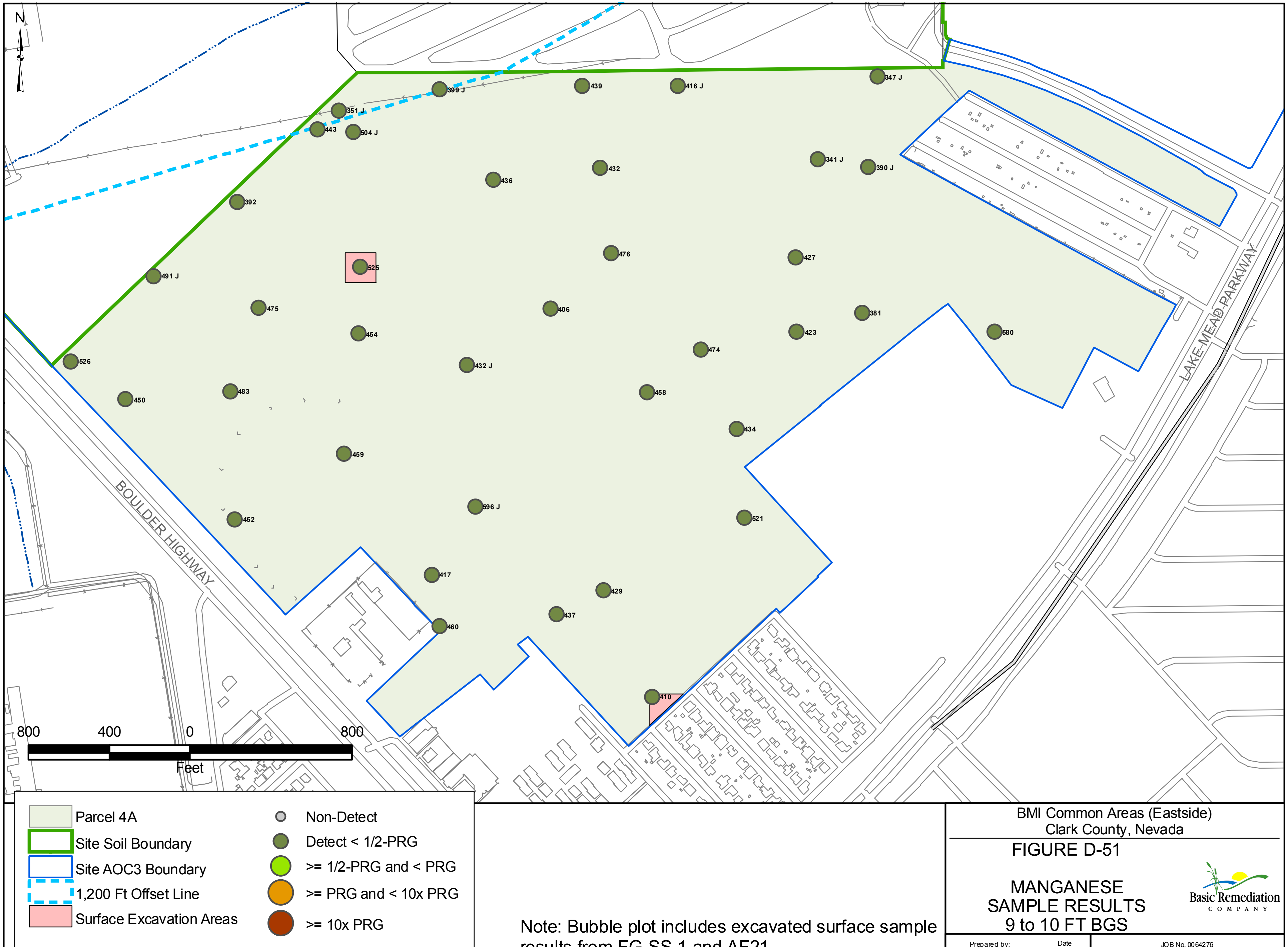
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-50

MANGANESE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

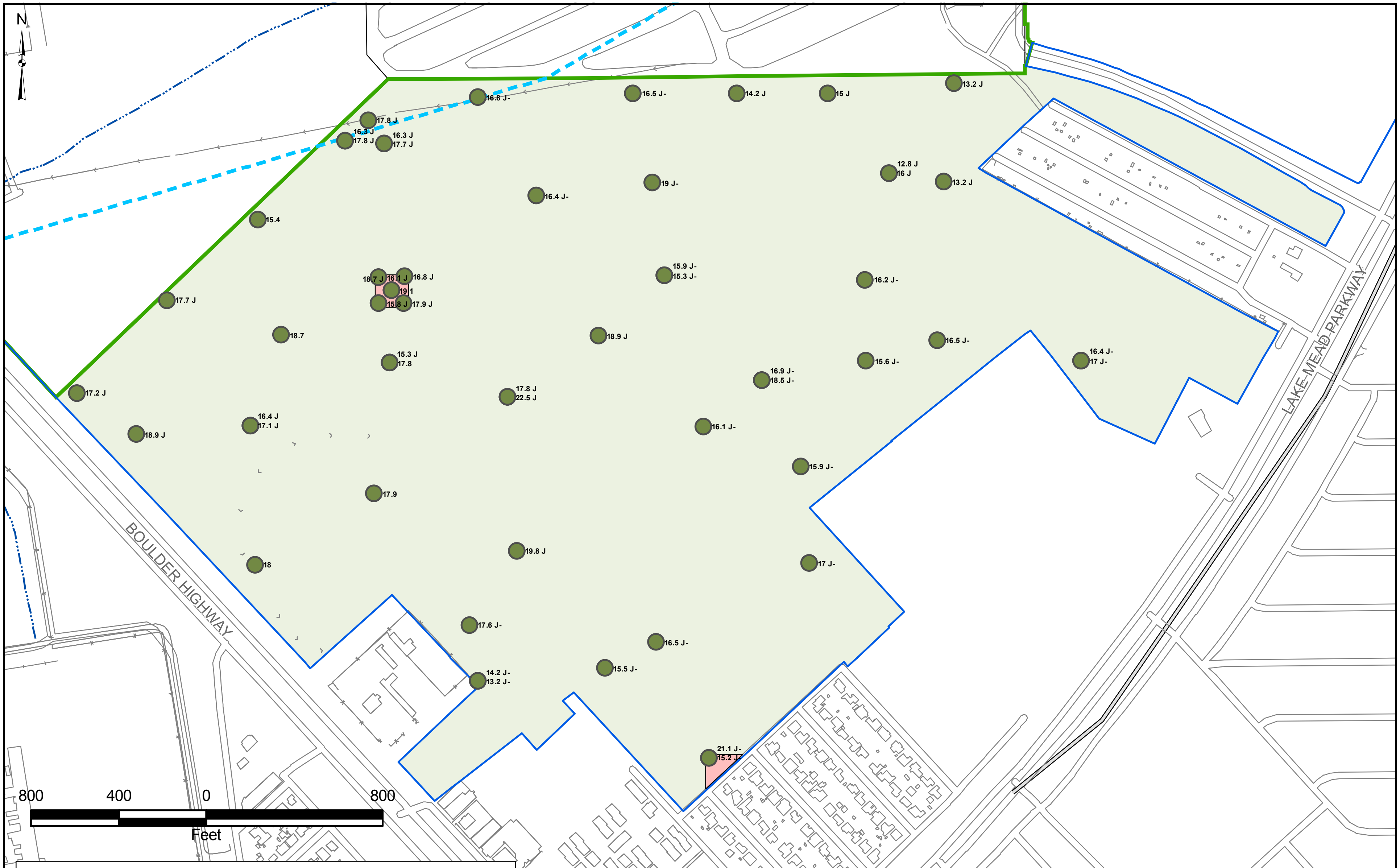
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-51

MANGANESE SAMPLE RESULTS 9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

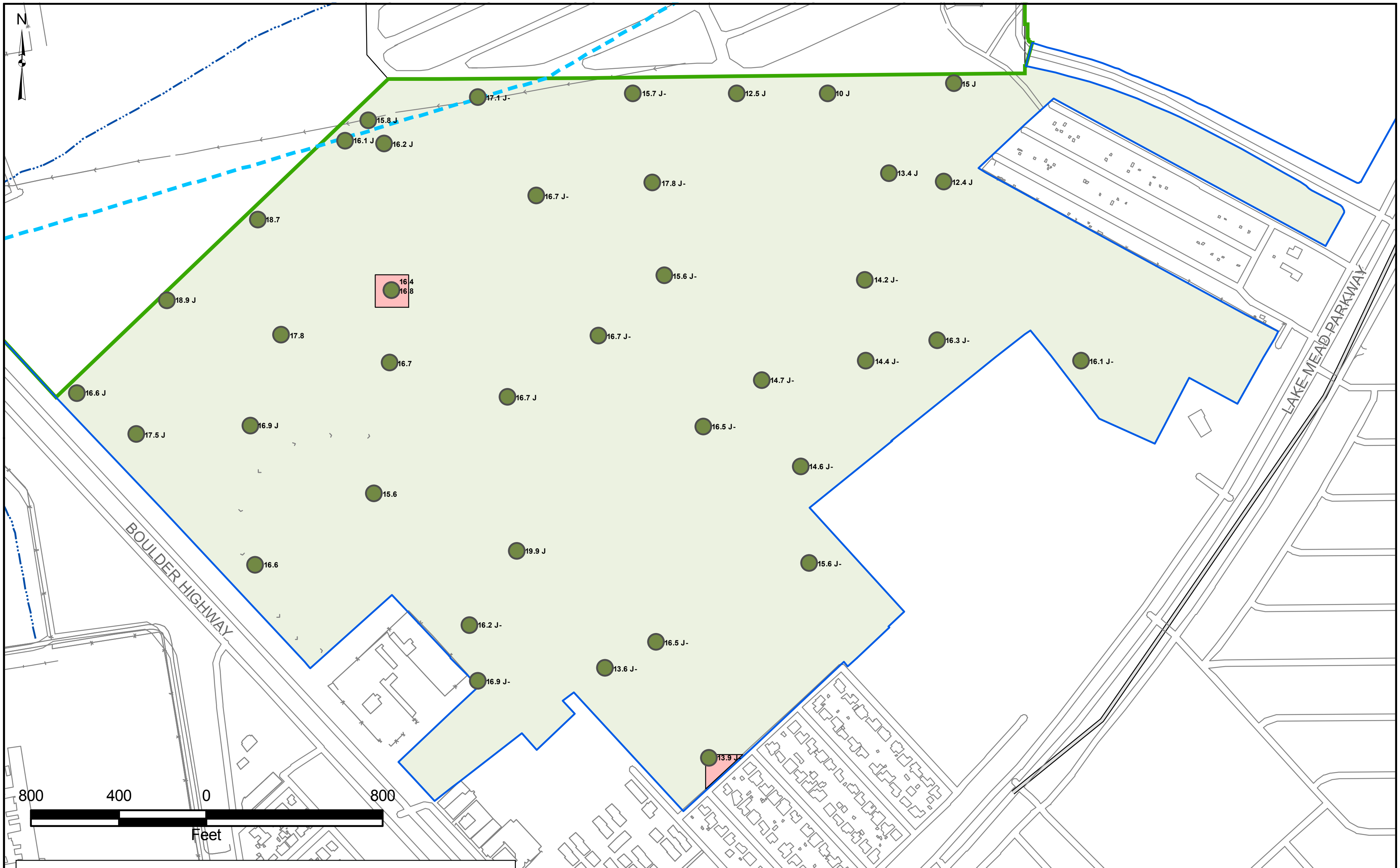
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-52

NICKEL
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

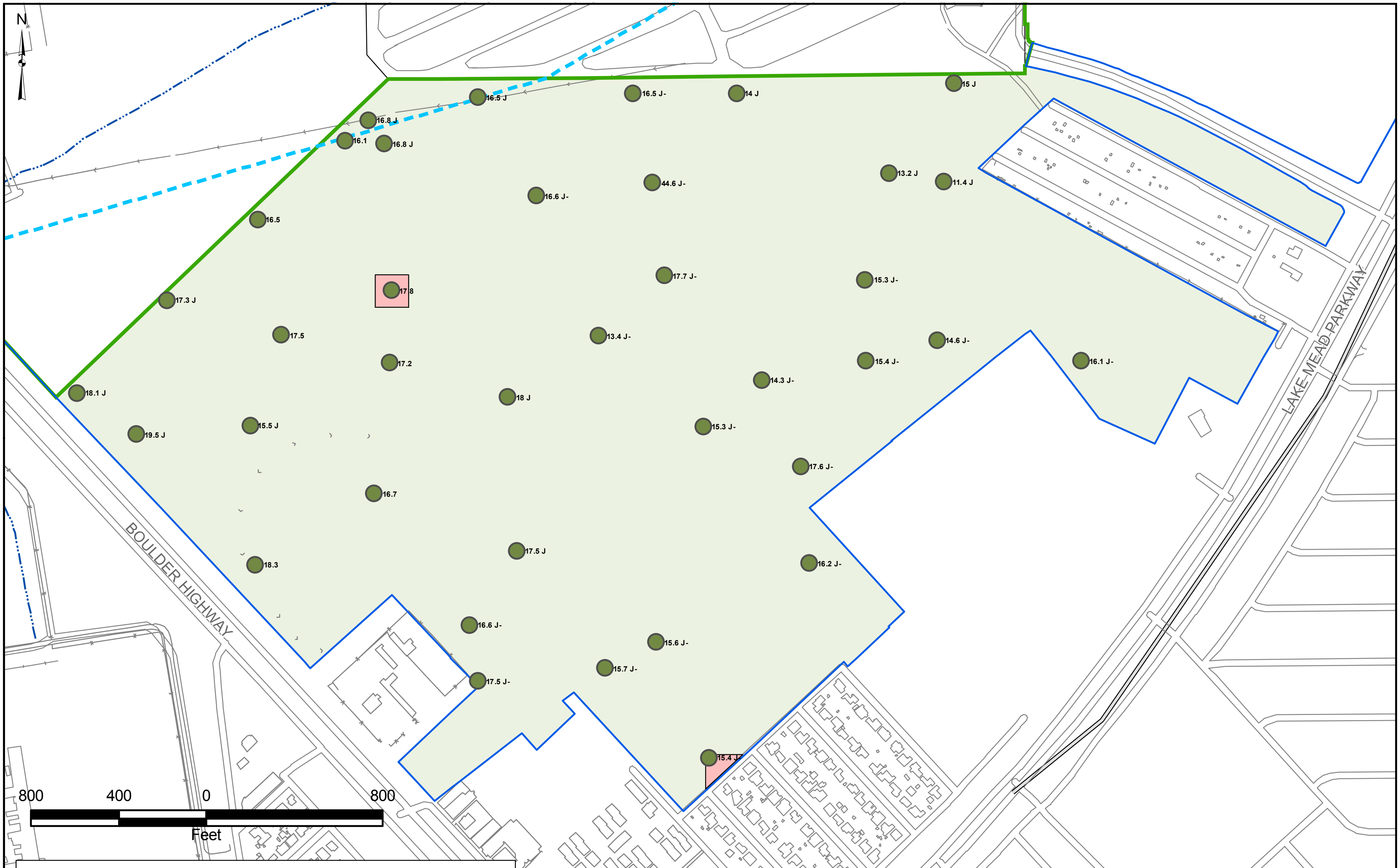
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-53

NICKEL
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

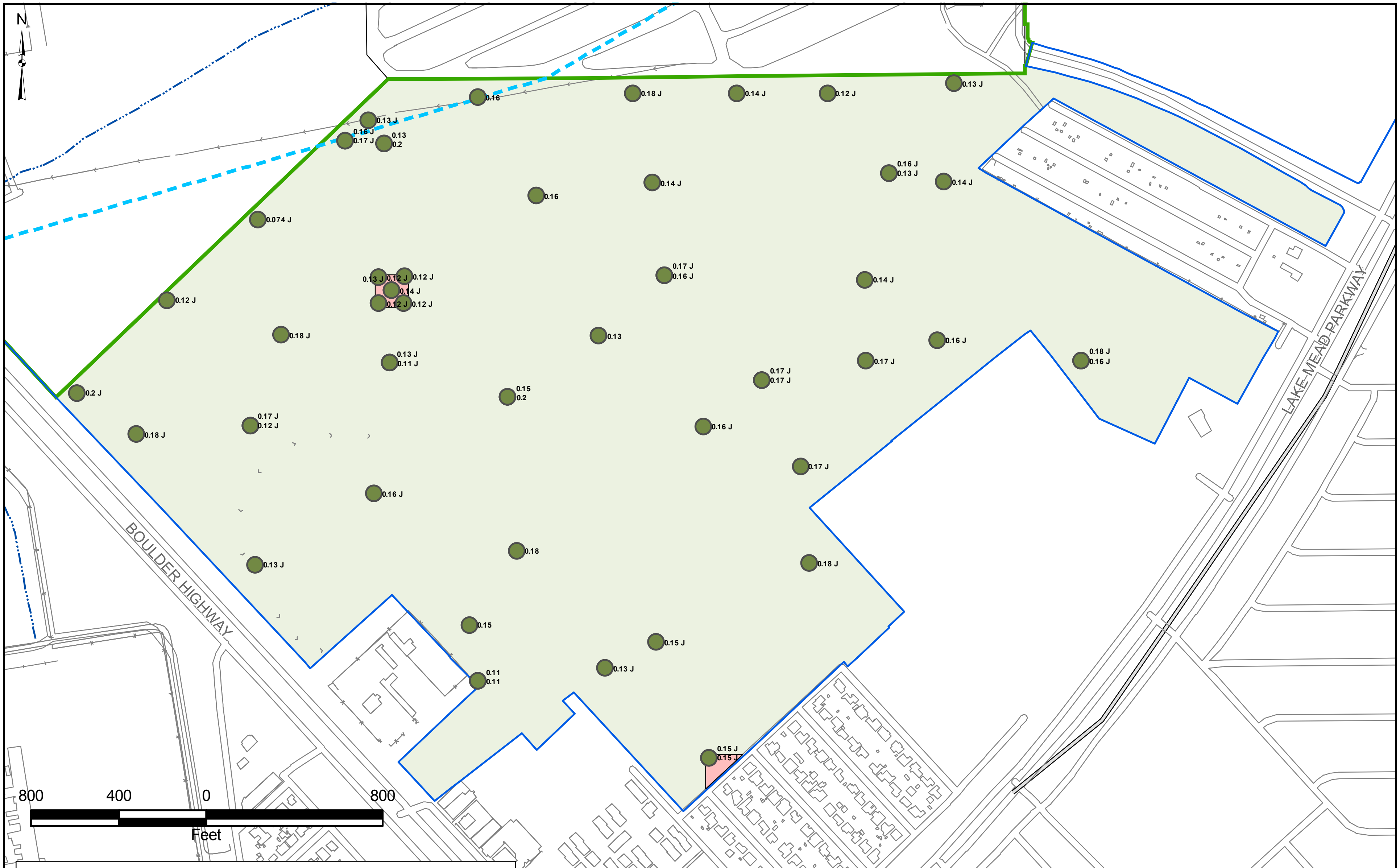
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-54

NICKEL
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Symbol	Legend
	Parcel 4A
	Site Soil Boundary
	Site AOC3 Boundary
	1,200 Ft Offset Line
	Surface Excavation Areas
	Non-Detect
	Detect < 1/2-PRG
	>= 1/2-PRG and < PRG
	>= PRG and < 10x PRG
	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

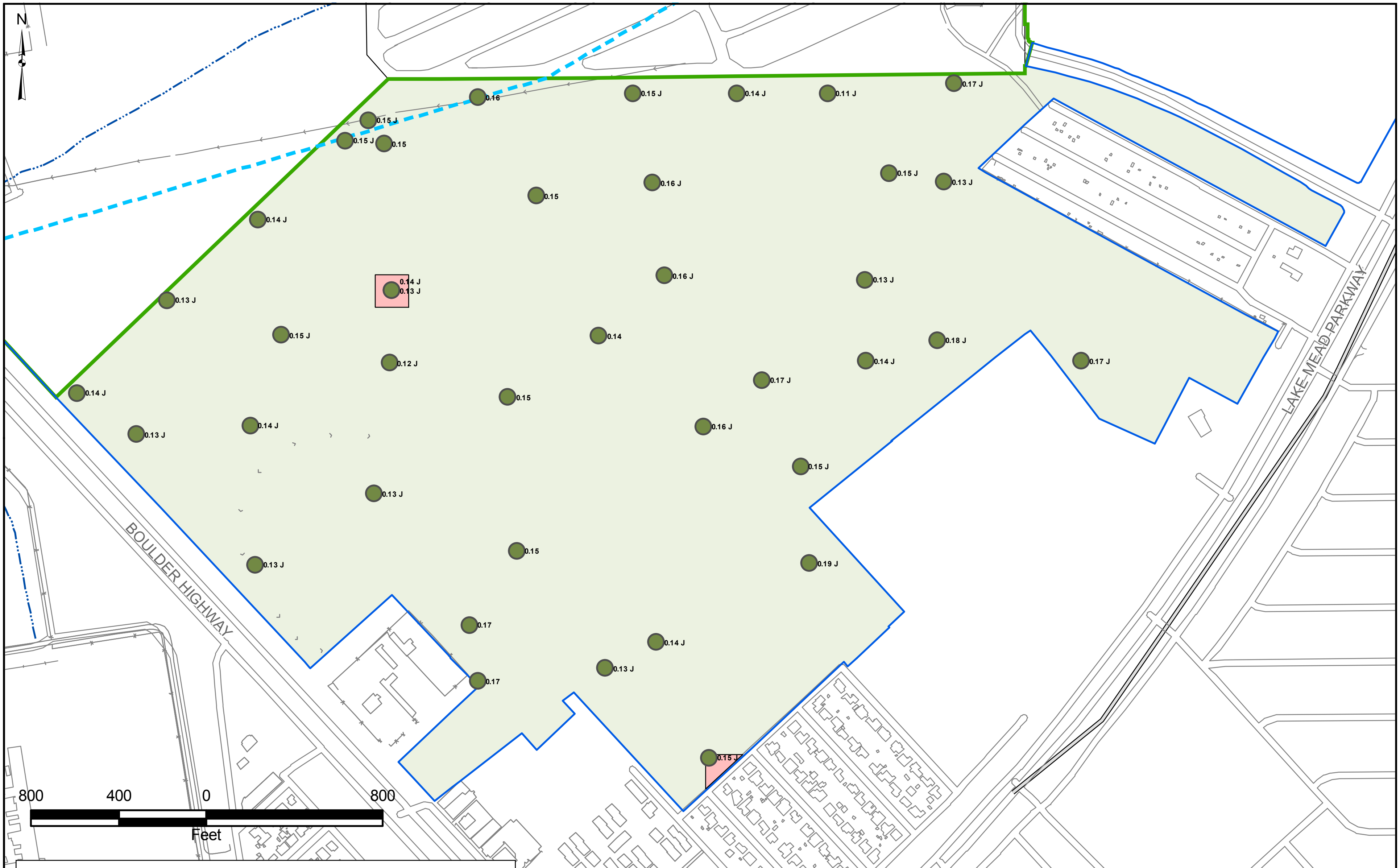
FIGURE D-55

SILVER SAMPLE RESULTS 0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

ERM



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

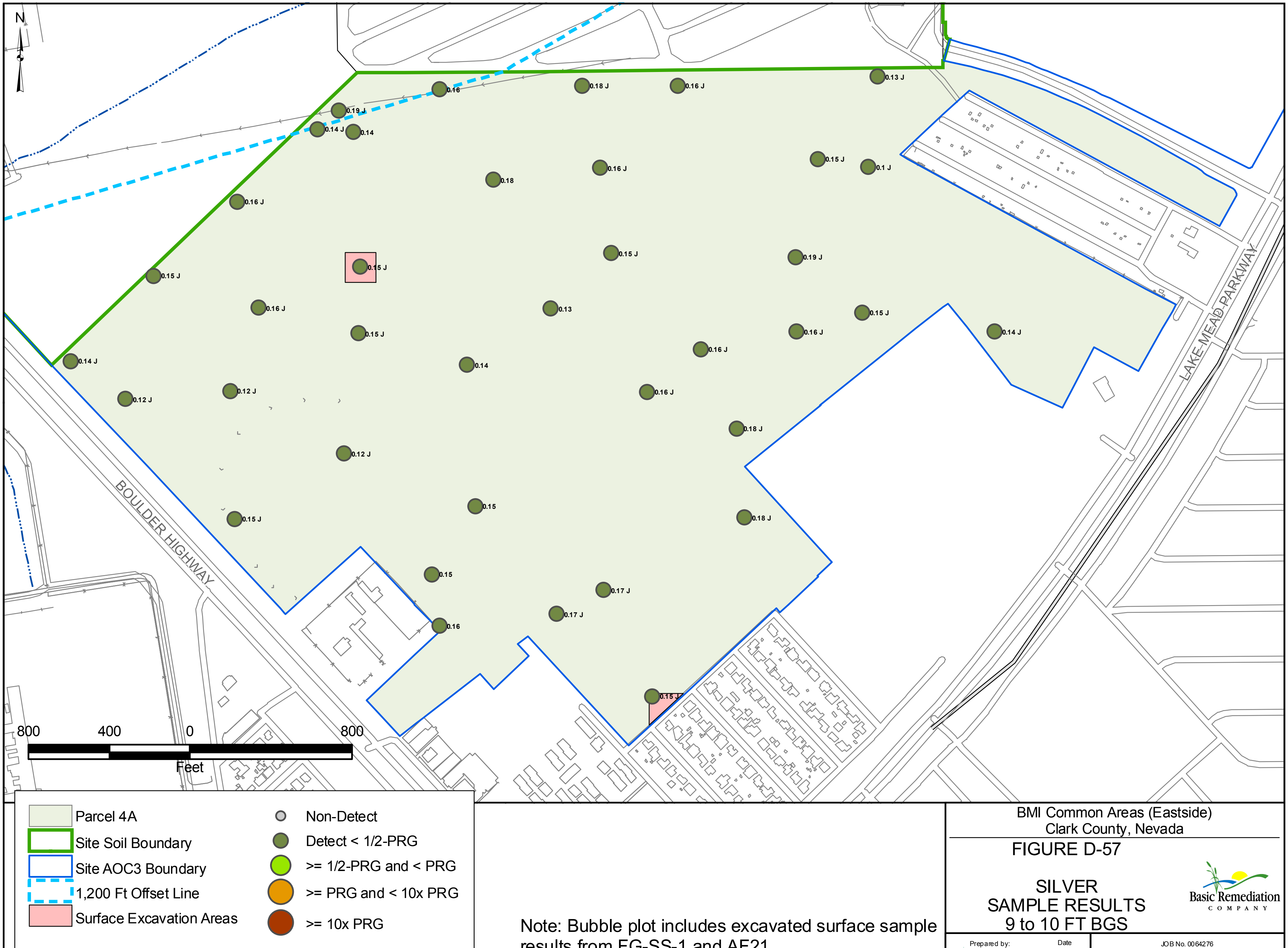
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-56

SILVER
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-57

SILVER
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-58

STRONTIUM
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A

Site Soil Boundary

Site AOC3 Boundary

1,200 Ft Offset Line

Surface Excavation Areas

Non-Detect

Detect < 1/2-PRG

>= 1/2-PRG and < PRG

>= PRG and < 10x PRG

>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

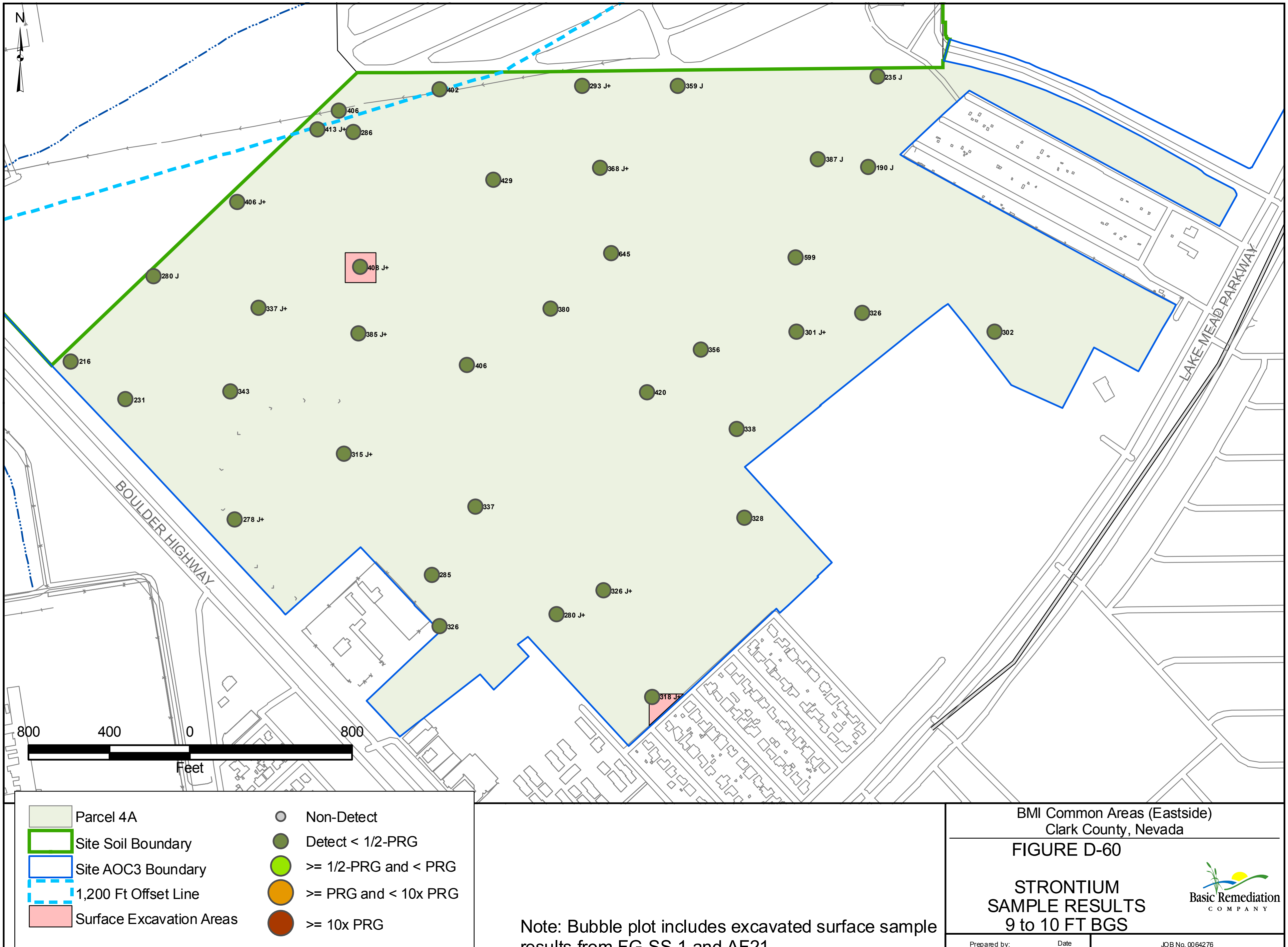
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-59

STRONTIUM
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation Company

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-60

STRONTIUM
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

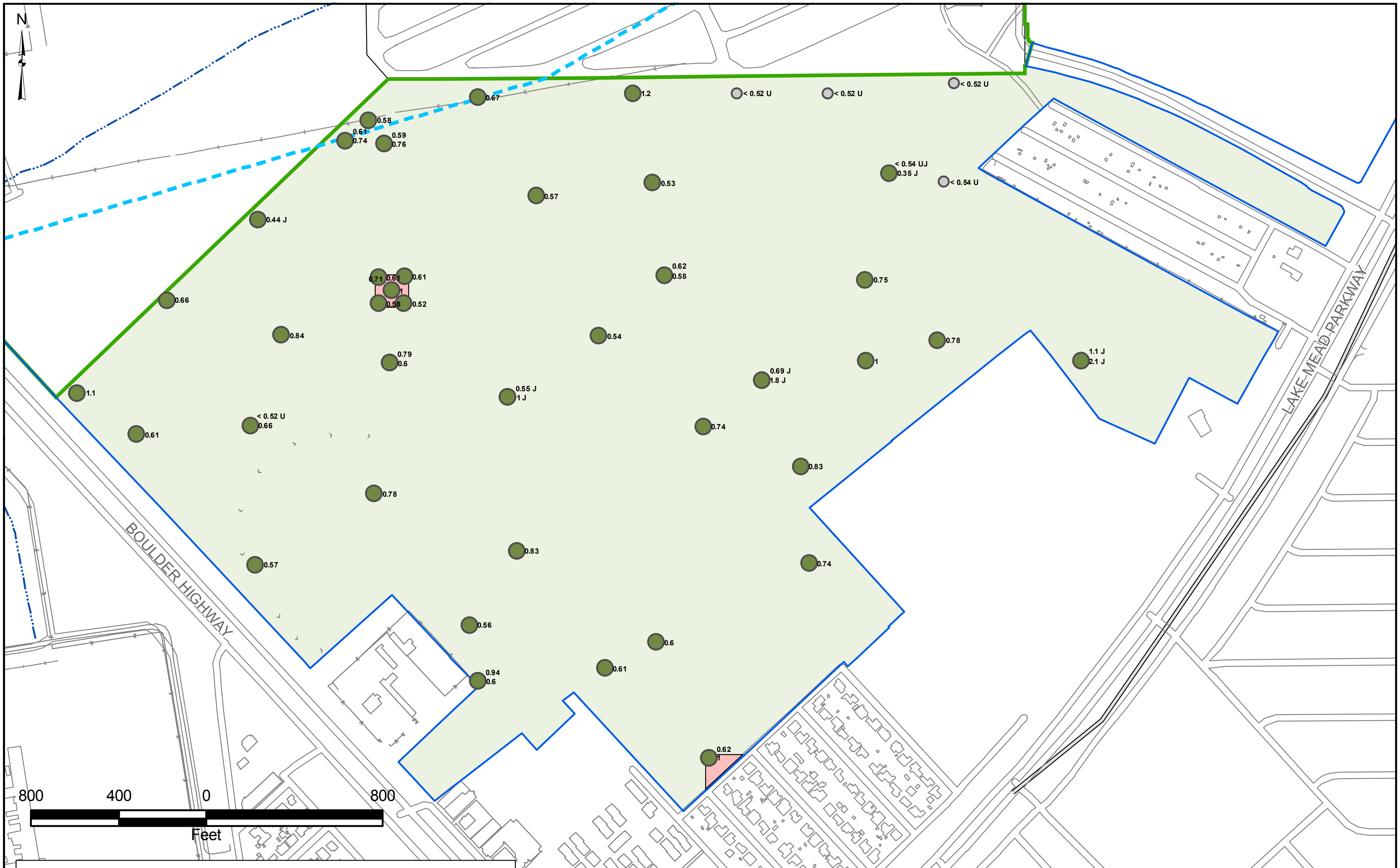
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-61

TCDD TEQ
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

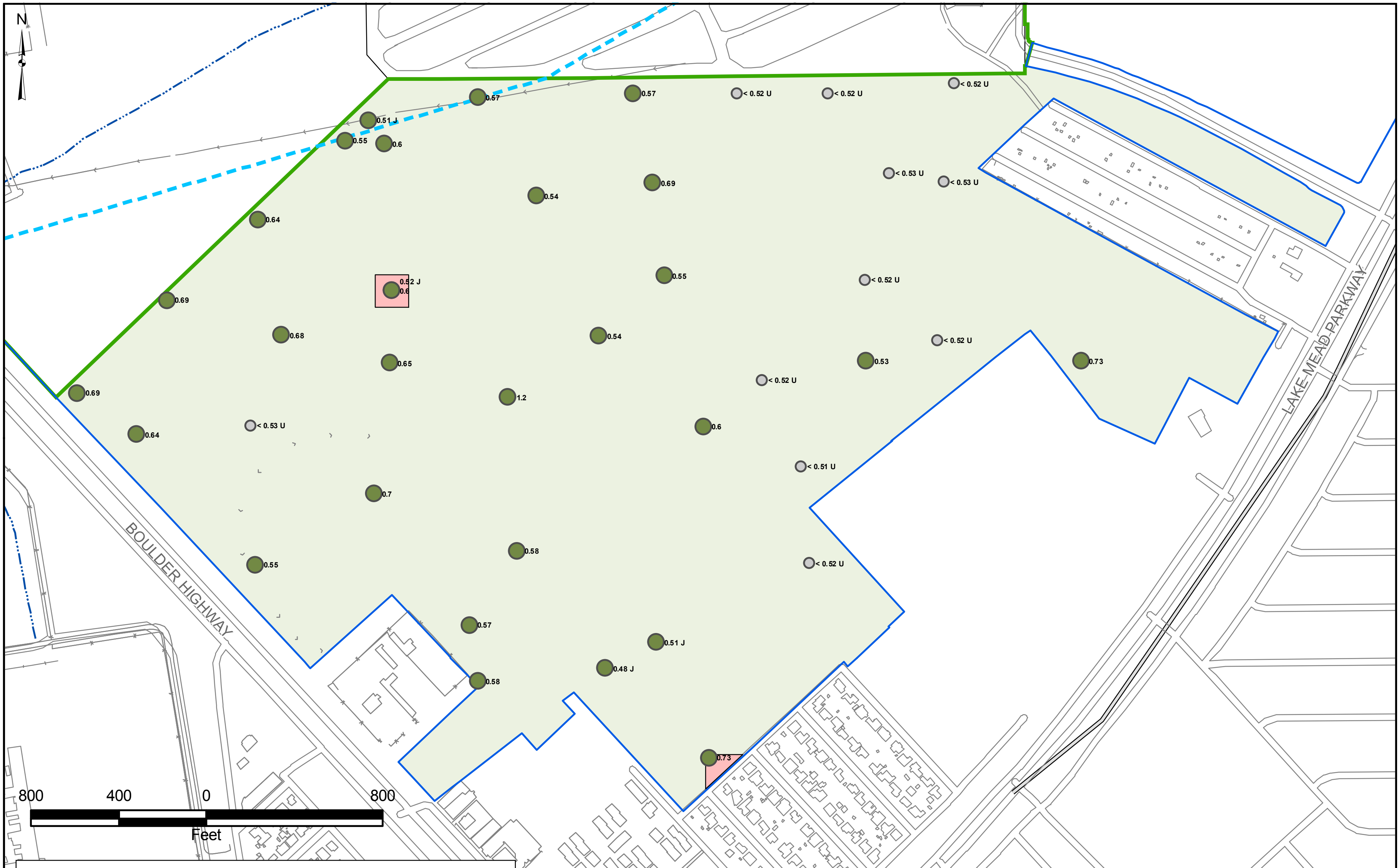
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-62

TIN
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

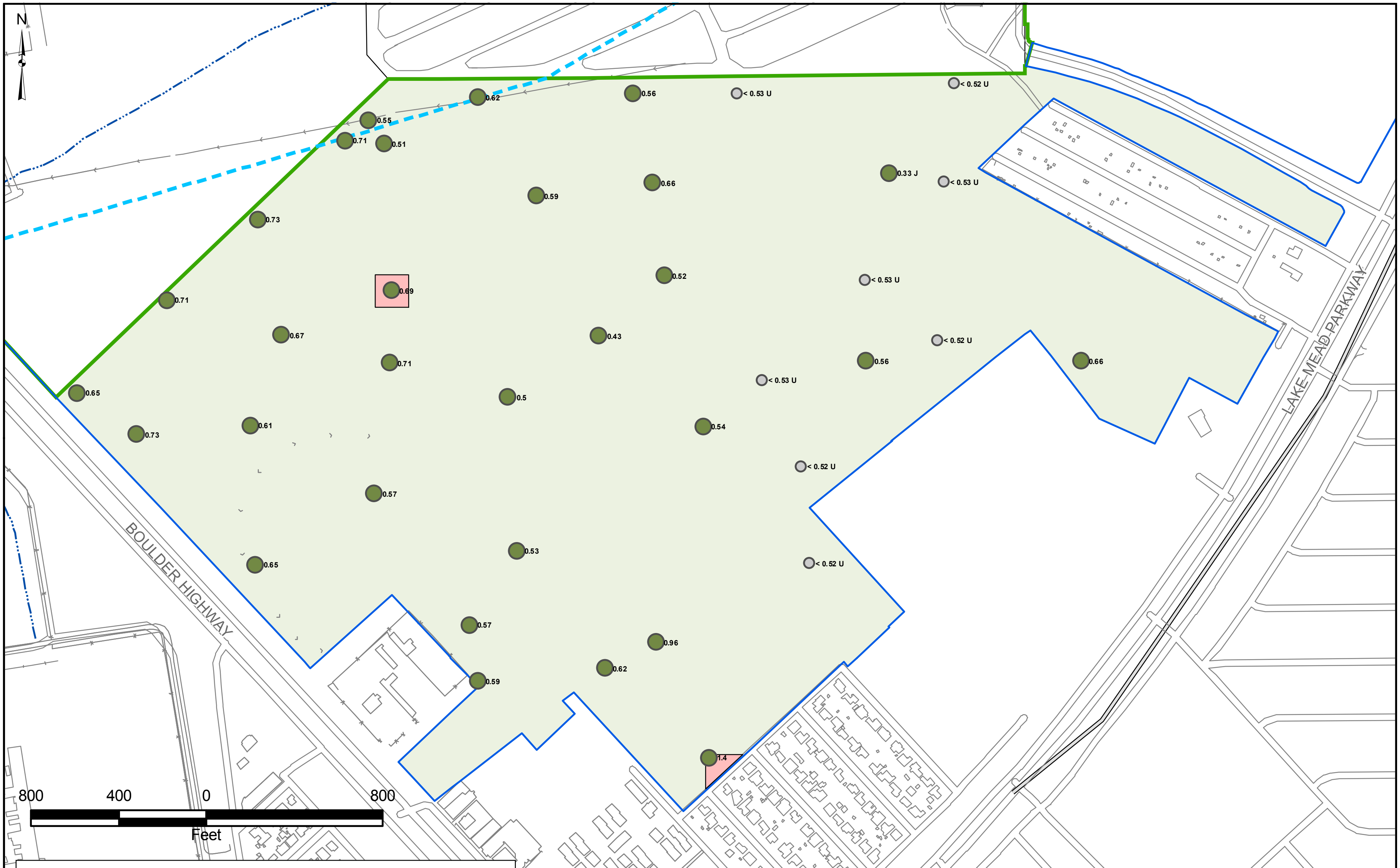
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-63

TIN
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

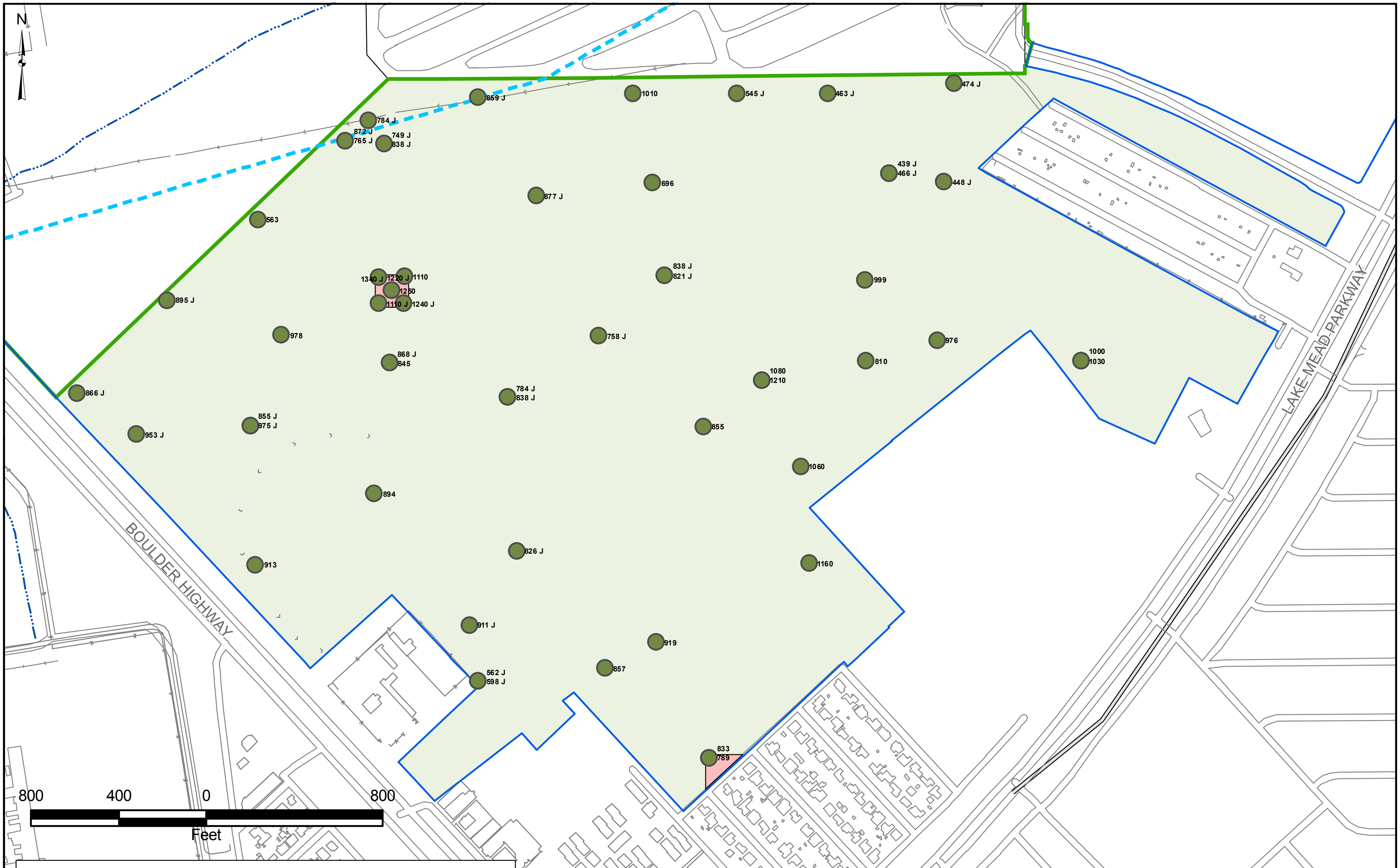
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-64

TIN
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A

Site Soil Boundary

Site AOC3 Boundary

1,200 Ft Offset Line

Surface Excavation Areas

Non-Detect

Detect < 1/2-PRG

>= 1/2-PRG and < PRG

>= PRG and < 10x PRG

>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-65

TITANIUM
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ

Date 03/10/08

JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A

Site Soil Boundary

Site AOC3 Boundary

1,200 Ft Offset Line

Surface Excavation Areas

Non-Detect

Detect < 1/2-PRG

>= 1/2-PRG and < PRG

>= PRG and < 10x PRG

>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-66

TITANIUM
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A

Site Soil Boundary

Site AOC3 Boundary

1,200 Ft Offset Line

Surface Excavation Areas

Non-Detect

Detect < 1/2-PRG

>= 1/2-PRG and < PRG

>= PRG and < 10x PRG

>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-67

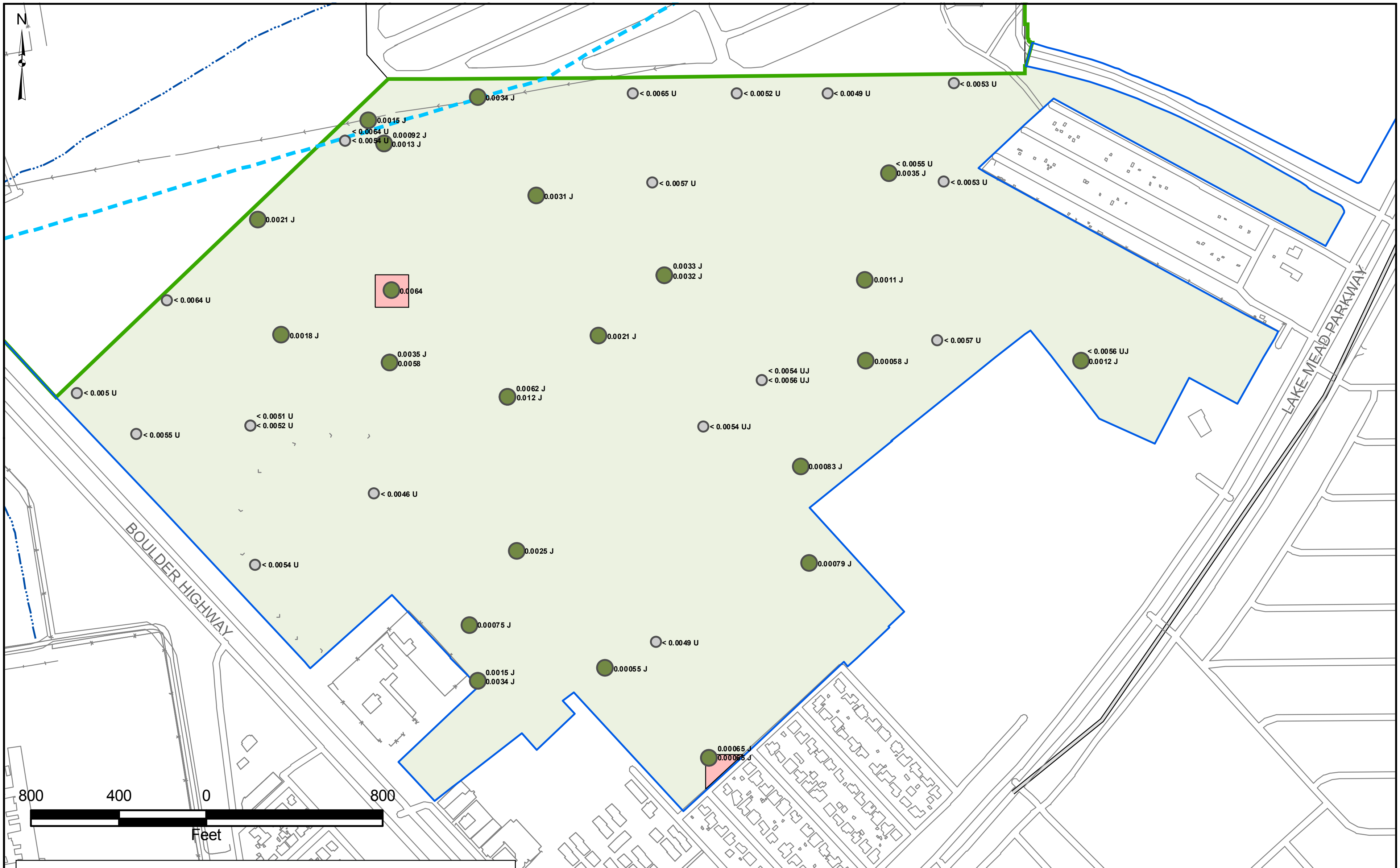
TITANIUM
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ

Date 03/10/08

JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

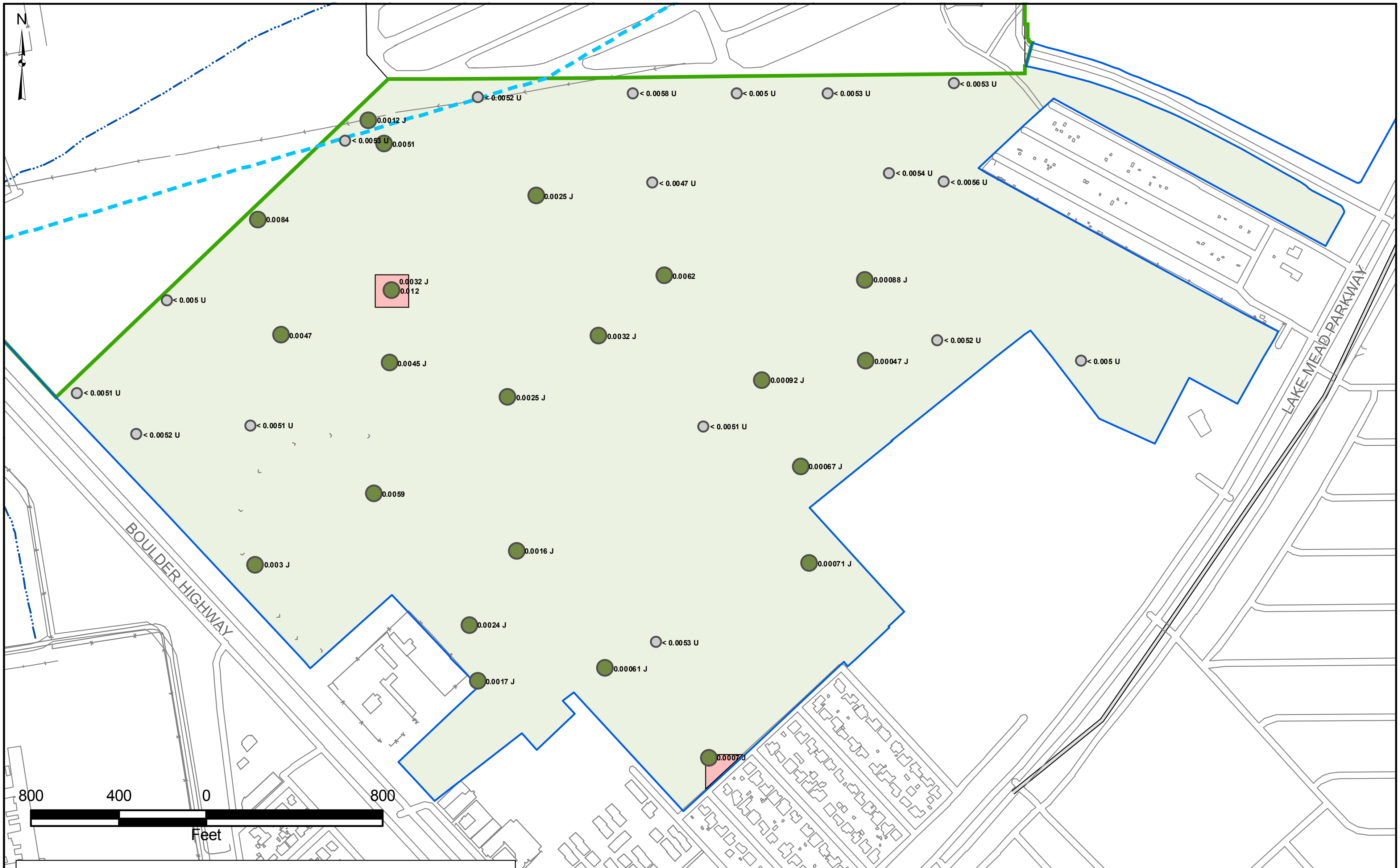
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-68

TOLUENE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

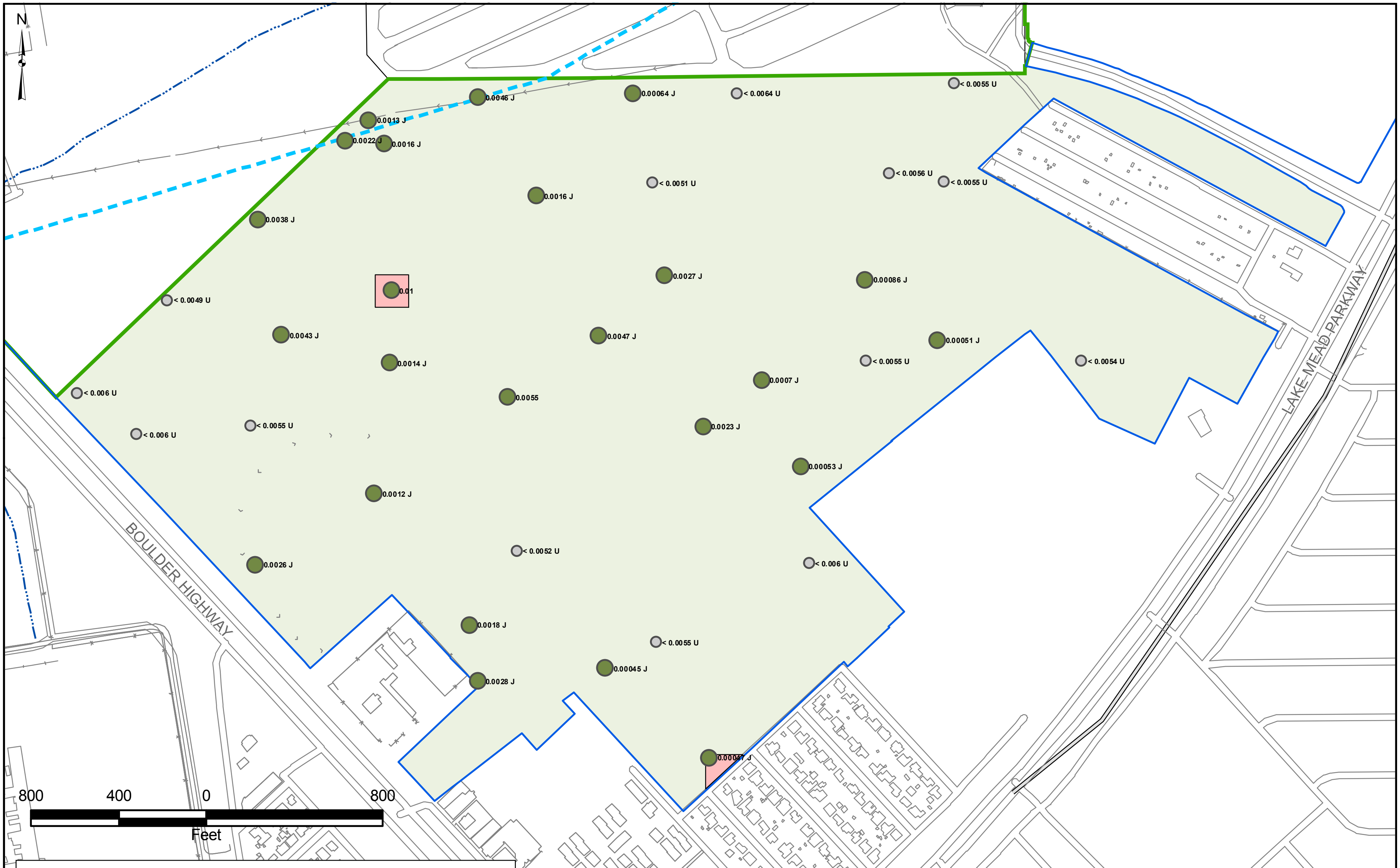
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-69

TOLUENE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A
Site Soil Boundary
Site AOC3 Boundary
1,200 Ft Offset Line
Surface Excavation Areas

Non-Detect
Detect < 1/2-PRG
>= 1/2-PRG and < PRG
>= PRG and < 10x PRG
>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

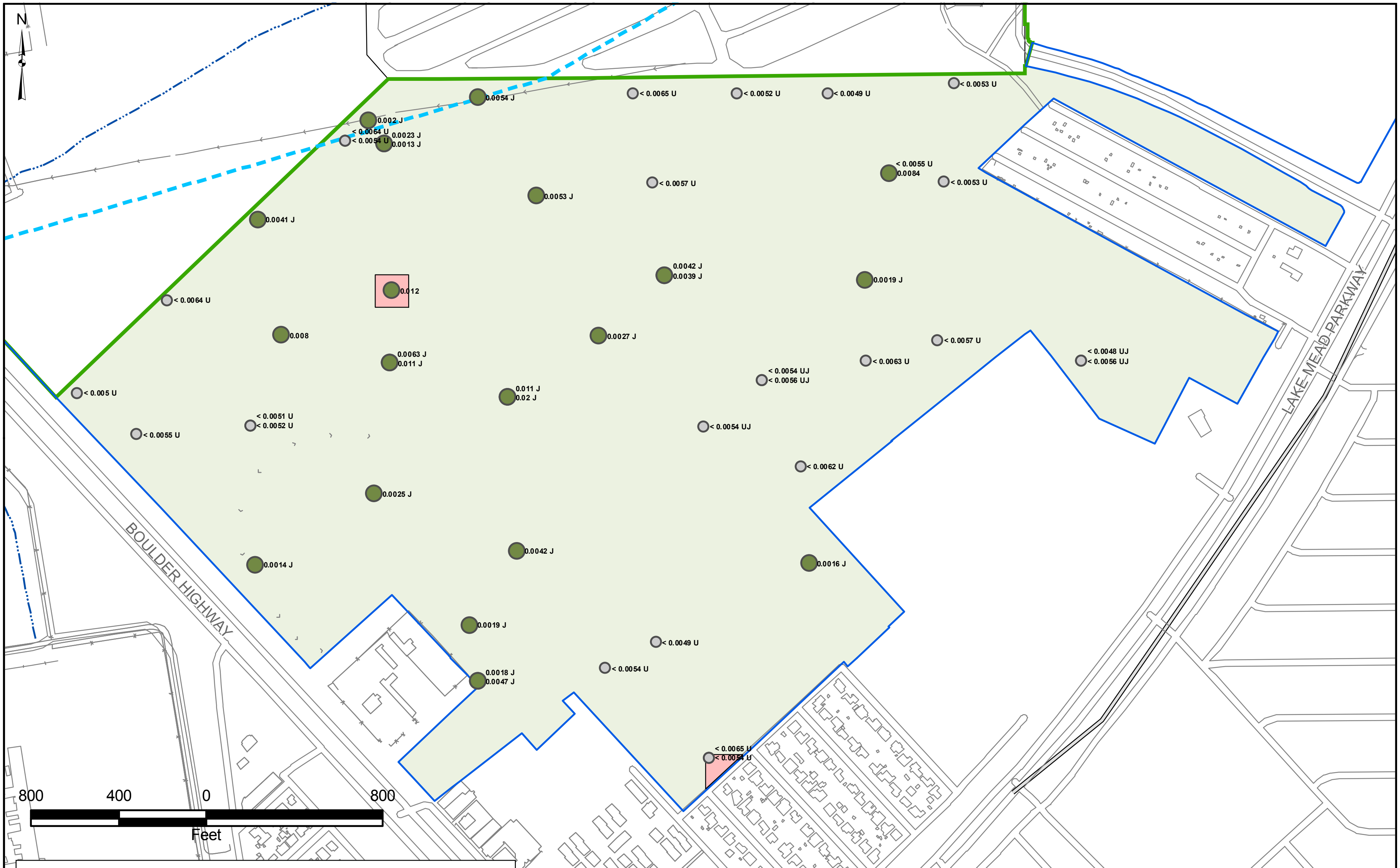
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-70

TOLUENE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

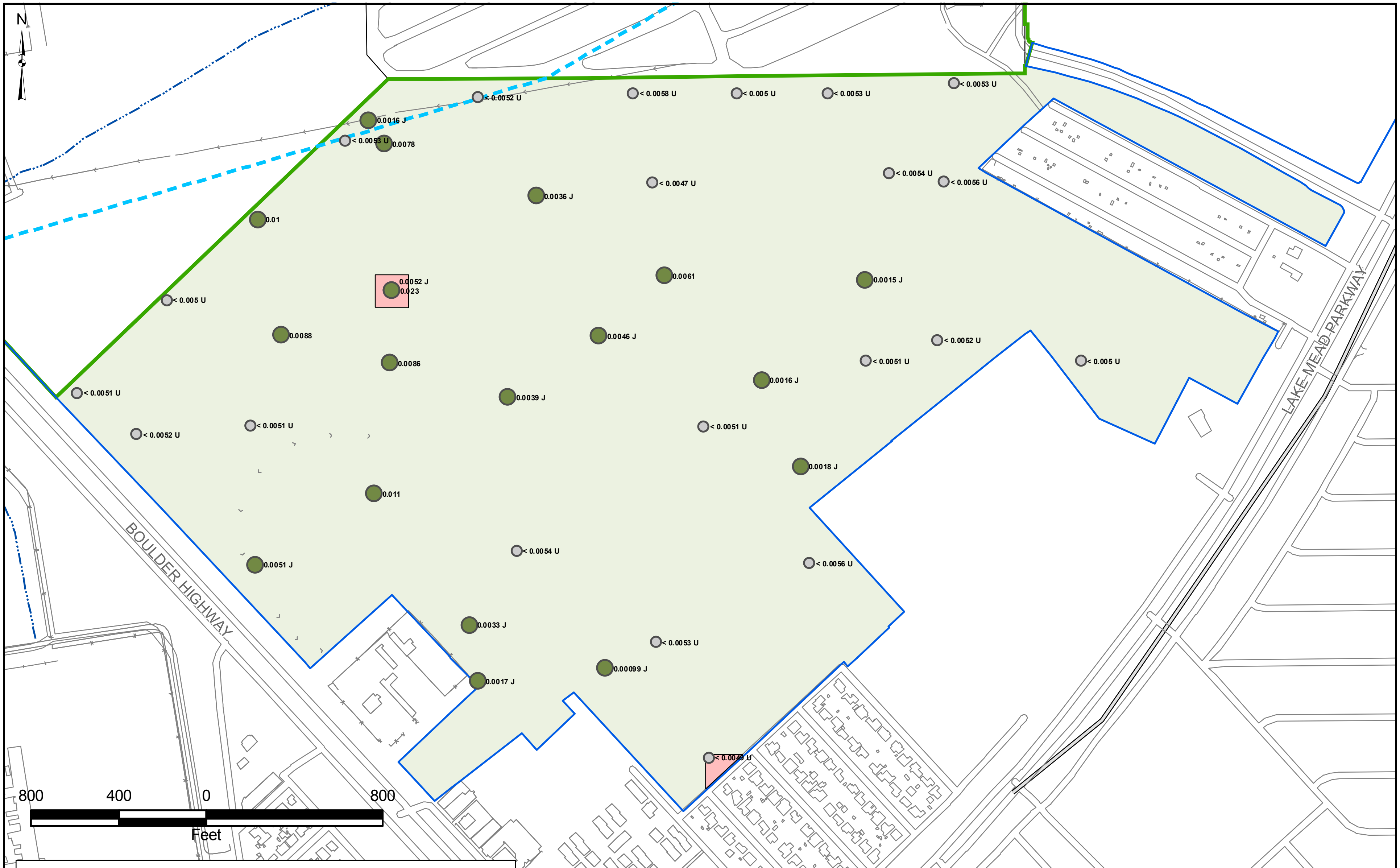
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-71

TRICHLOROETHYLENE
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 | FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



	Parcel 4A		Non-Detect
	Site Soil Boundary		Detect < 1/2-PRG
	Site AOC3 Boundary		>= 1/2-PRG and < PRG
	1,200 Ft Offset Line		>= PRG and < 10x PRG
	Surface Excavation Areas		>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

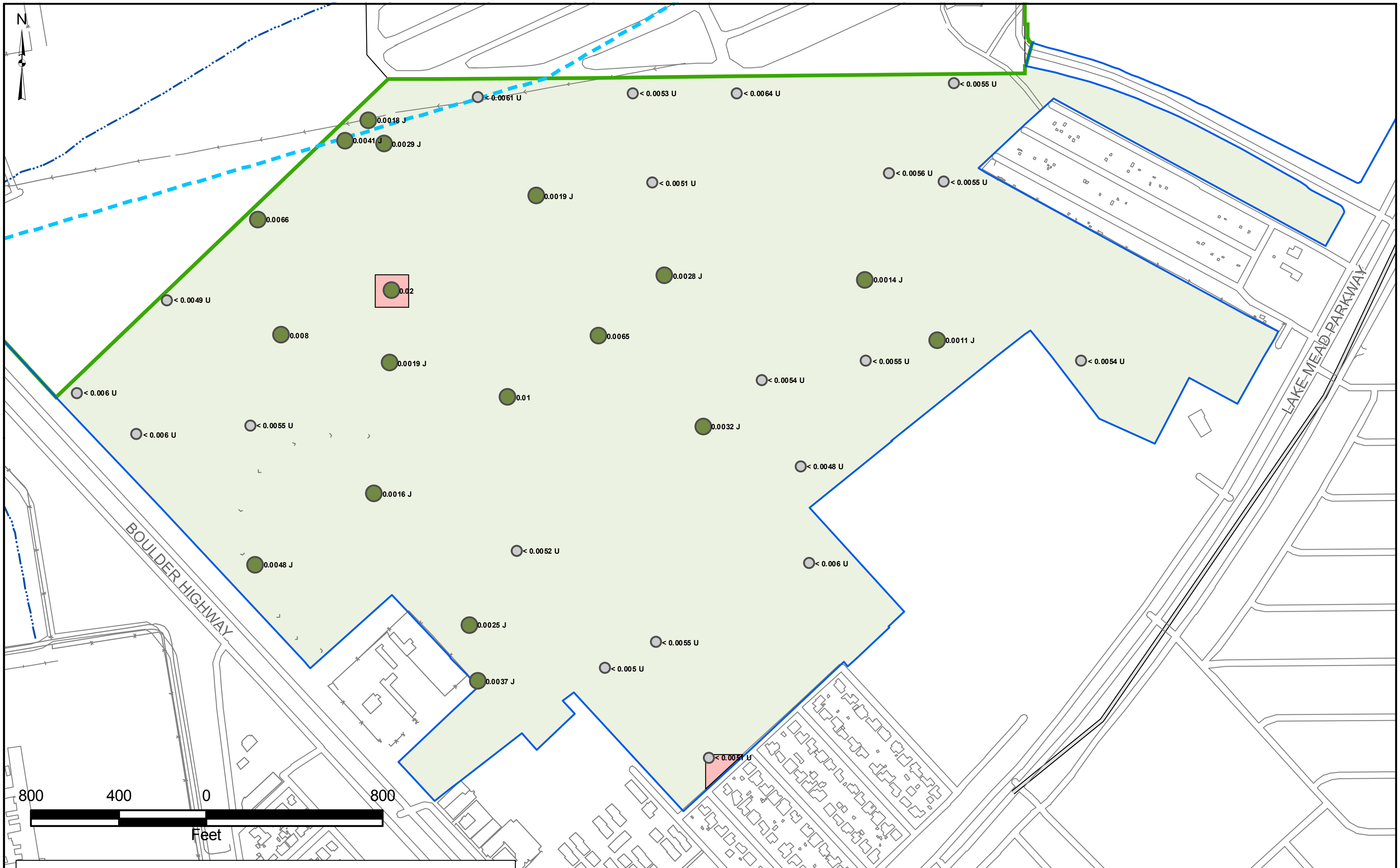
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-72

TRICHLOROETHYLENE
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ | Date 03/10/08 | JOB No. 0064276 FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

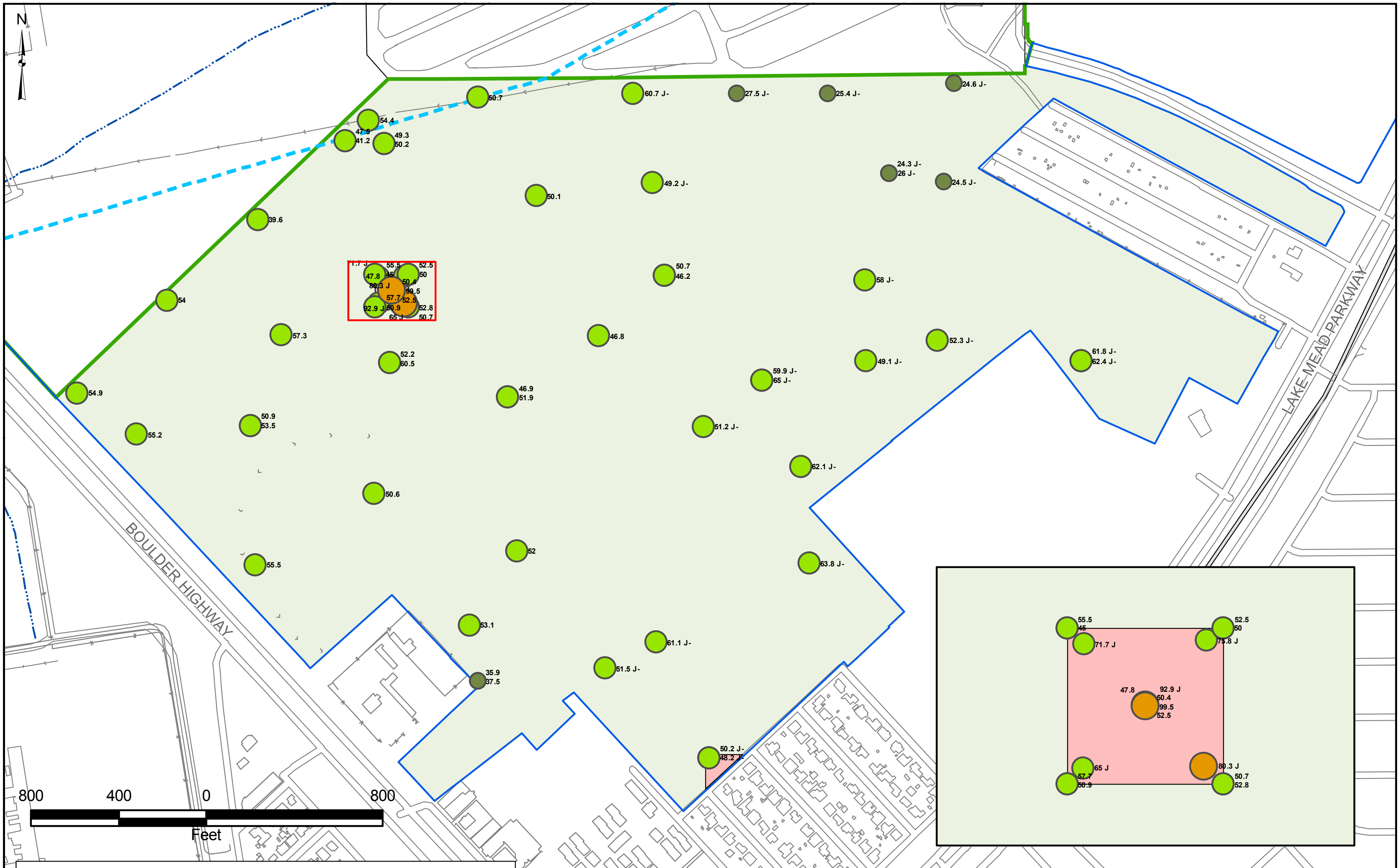
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-73

TRICHLOROETHYLENE
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation
COMPANY

Prepared by:	Date	JOB No. 0064276
MKJ	03/10/08	FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD



Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-74

VANADIUM
SAMPLE RESULTS
0 to 1 FT BGS

Basic Remediation
COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

- Parcel 4A
- Site Soil Boundary
- Site AOC3 Boundary
- 1,200 Ft Offset Line
- Surface Excavation Areas
- Non-Detect
- Detect < 1/2-PRG
- >= 1/2-PRG and < PRG
- >= PRG and < 10x PRG
- >= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-75

VANADIUM
SAMPLE RESULTS
4 to 7 FT BGS

Basic Remediation COMPANY

Prepared by:	Date	
MKJ	03/10/08	JOB No. 0064276 FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Parcel 4A	Non-Detect
Site Soil Boundary	Detect < 1/2-PRG
Site AOC3 Boundary	>= 1/2-PRG and < PRG
1,200 Ft Offset Line	>= PRG and < 10x PRG
Surface Excavation Areas	>= 10x PRG

Note: Bubble plot includes excavated surface sample results from FG-SS-1 and AF21.

BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE D-76

VANADIUM
SAMPLE RESULTS
9 to 10 FT BGS

Basic Remediation COMPANY

Prepared by: MKJ
Date 03/10/08
JOB No. 0064276
FILE: GIS/BRC/PARCEL_4A-4B/4A-SAMPLE_RESULTS.MXD

Attachment E
(on CD)