TECHNICAL MEMORANDUM

To BMI Compliance Coordinator (NDEP)

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Subject: Technical Memorandum – Data Review for the Warm Springs Road Right-of-Way Investigation, BMI Common Areas (Eastside), Clark County, Nevada

1.0 Introduction

The objective of this Technical Memorandum is to present the results of investigations Basic Remediation Company (BRC) has performed for the Warm Springs Road right-of way (ROW; the Site; Figure 1) within the BMI Common Areas in Clark County, Nevada. The Site represents a continuation of Warm Springs Road that extends approximately 600 feet east of Boulder Highway, and bisects the Southern RIBs sub-area. On October 6, 1998, the Nevada Division of Environmental Protection (NDEP) granted a No Further Action Determination (NFAD) for the segment of Warm Springs Road that extends from Boulder Highway to Pabco Road (see Figure 2 for the location of the NFAD for the existing ROW). Therefore, the focus of this technical memorandum is on the portion of the Warm Springs Road ROW that extends east of Pabco Road (that is, that portion of the ROW not covered by the previous NFAD).

The Site is adjacent to Eastside lands located to the north of the Site that contain (1) unlined wastewater effluent evaporation/infiltration ponds that were built and into which various plant wastewaters were discharged from 1942 through 1976; and (2) conveyance ditches associated with the historical effluent discharge (primarily unlined). One of these ditches transects the western-most edge of the Site, beneath the existing Warm Springs Road. The eastern half of the Site traverses an area formerly used by the City of Henderson as Rapid Infiltration Basins (RIBs), which were in use from approximately 1992 to 2002 by the City of Henderson for municipal wastewater treatment.

Based on the data collected, an NFAD is being sought from the NDEP in order to support the construction of a road on this Site. No residential or commercial use is planned, and no structures will be built on the Site. This technical memorandum, which has been prepared in support of this objective, 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 quality assessment.

Each of these tasks is discussed below.

2.0 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 Site, 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. Additional information for the Site than that presented below is provided in the NDEP-approved *Sampling and Analysis Plan for the Southern RIBs Sub-Area* (SAP; BRC and ERM 2008; approved by NDEP on September 11, 2008).[1]

The Site comprises approximately 15.6 acres of undeveloped land with very little surface relief that is gently sloping to the northwest. As noted above, it is part of an area referred to as the Southern RIBs sub-area. It is located in close proximity to waste conveyance and disposal facilities historically operated by the BMI Complex, including the Beta Ditch and TIMET Ponds, and crosses the municipal wastewater infiltration ponds formerly operated by the City of Henderson (the "Southern RIBs;" see Figure 2). While the Southern RIBs have not been decommissioned, they have not been used since May 2005.

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[1] A sampling and analysis plan was not developed specifically for the Site. This Site was originally part of the Southern RIBs sub-area, but schedule constraints necessitated pursuing an NFAD for the Site prior to the remainder of the Southern RIBs sub-area. However, many of the samples for the Southern RIBs sub-area fall within the footprint of the Site. These samples are used in this Technical Memorandum.

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 the Southern RIBs sub-area. Lands surrounding the BMI Complex are zoned commercial and residential, and are mostly developed. Other structures are also located in proximity to the Site, including the St. Rose of Lima Hospital, several shopping centers, a mobile home park, and an apartment complex.

The CSM considers current and potential future land-use conditions. Currently, the Site is undeveloped. Current receptors that may use the Site include on-site trespassers. Therefore, current exposures to native soils at the Site are likely to be minimal. In addition, exposures to future on-site workers will be much greater than current exposures. For example, future receptors include outdoor commercial/industrial workers, who are assumed to be exposed to soil at the Site for 225 days per year for 25 years which is much greater than any current exposures.

U.S. Environmental Protection Agency (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 Site for redevelopment into roadway for the future development of the Eastside property. The potentially exposed populations and their potential routes of exposure are presented in Figure 3.

2.1 Potential Source Areas

As discussed above potential sources of chemicals in Site soils include (1) nearby features associated with historical discharge of plant wastewater effluent (*i.e.*, unlined wastewater effluent evaporation/infiltration ponds and conveyance ditches); and (2) the former City of Henderson RIBs.

2.2 Potential Human Exposure Scenarios

Given the planned development of the Site, potential human receptors include on-site construction workers and outdoor workers. Potential migration pathways, exposure pathways, and routes of exposure are shown on Figure 3. Although several potential human receptors may occur on the Site in the future, the screening-level health risk assessment focuses on the outdoor commercial/industrial receptor (as defined in NDEP's *User's Guide and Background Technical Document for Nevada Division Of Environmental Protection (NDEP) Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas*

[2009a]). This receptor is considered to have the highest level of exposure at the Site. Other receptors generally have lower exposures, and thus lower risk estimates. Although there may be some exceptions to this, for example, several metals might generate construction worker risk estimates higher than those for outdoor commercial/industrial receptors, these cannot be evaluated in a screening level process because of the lack of available BCLs. However, given the nature of the Site and potential exposures, it is unlikely that the screening-level health risk assessment underestimates Site risks. This issue is discussed further in Section 6.7. Therefore, risk estimates generated for outdoor commercial/industrial receptors are considered protective of other potential receptors at the Site.

One 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, because NDEP has developed a spreadsheet for assessing asbestos risks (NDEP 2009b), the screening-level health risk assessment also evaluates the construction worker receptor for asbestos exposures.

3.0 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) and NDEP's *Data Usability Guidance for the BMI Complex and Common Areas* (NDEP 2008). 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:

- reports to risk assessor (availability of information associated with Site data)
- documentation;
- data sources;
- analytical methods and detection limits;
- data review; and
- data quality indicators (DQIs), including precision, accuracy, representativeness, comparability, and completeness.

A summary of these six criteria for determining data usability is provided below. In addition to the six principal evaluation criteria, NDEP's Data Usability Guidance includes a step for data usability analysis, which is discussed after these six USEPA evaluation criteria. Data usability evaluation tables are provided electronically in Attachment A (on the enclosed CD in Attachment B).

3.1 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, Southern RIBs Sub-Area Soil Investigations October-November 2008; February 2009; September 2009 (Dataset 53)* (DVSR; BRC and ERM 2010; approved by NDEP on March 11, 2010). 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 SAP (BRC and ERM 2008) and Sections 1 and 2 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 2.
- Sampling design and procedures were provided in the NDEP-approved SAP (BRC and ERM 2008).
- Analytical methods and detection limits are provided on the enclosed CD in Attachment B.
- A complete data set is provided on the enclosed CD in Attachment B.
- Laboratory reports for all samples included in Site data set are provided in the NDEP-approved DVSR (BRC and ERM 2010).
- 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 NDEP-approved DVSR (BRC and ERM 2010).
- QC results are provided by the laboratory, including blanks, replicates, and spikes. The laboratory QC results are included as part of the NDEP-approved DVSR (BRC and ERM 2010).

- Data flags used by the laboratory were defined adequately as part of the NDEP-approved DVSR (BRC and ERM 2010).

- Electronic files containing the raw data made available by the laboratory are included as part of the NDEP-approved DVSR (BRC and ERM 2010).

3.2 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 data set as discussed in the DVSR (BRC and ERM 2010). Based on the documentation review, all samples analyzed by the laboratory were correlated to the correct geographic location at the property. The samples were collected in accordance with the SAP and Confirmation Sampling Plan (BRC and ERM 2008; BRC 2009), the standard operating procedures (SOPs) developed for the BMI Common Areas as provided in the Field Sampling and Standard Operating Procedures (FSSOP; BRC, ERM and MWH 2009). Field procedures included documentation of sample times, dates and locations, other sample specific information such as depth bgs were also recorded. Information from field forms generated during sample collection activities was imported into the project database.

Measurement of asbestos was conducted consistent with NDEP's *Technical Guidance for the Calculation of Asbestos-Related Risk in Soils* (2009b). 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 quantitation limits (SQLs), and provides the results of appropriate quality control samples such as laboratory control spike samples, sample surrogates and internal standards, 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. 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. Due to the limited information provided in the asbestos laboratory reports, asbestos data did not undergo data validation.

3.3 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 volatile organic compounds (VOCs) (including surface flux), semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), organochlorine pesticides, polychlorinated biphenyls (PCBs), aldehydes, dioxins/furans, metals, perchlorate, radionuclides, and general chemistry. Figure 2 demonstrates that samples were collected over the entire Site.

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.

3.4 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. The USEPA and DOE methods that were used in conducting the laboratory analysis of soil and surface flux samples are identified in the electronic dataset on the enclosed CD in Attachment B. 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 SAP (BRC and ERM 2008).

Laboratory practical quantitation limits (PQLs) were based on those outlined in the reference method, the SAP, and the *BRC Closure Plan* (BRC, ERM, and DBS&A 2007). In accordance with respective laboratory 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 SQLs achieved in field samples was compared to NDEP's BCLs (NDEP 2009a). None of the SQLs exceeded the BCLs. Therefore, the SQLs are considered adequate for risk assessment purposes.

3.5 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 surface flux sample data were subject to data validation. A DVSR was prepared as a separate deliverable (BRC and ERM 2010). The analytical data were validated according to the internal procedures using the principles of USEPA National Functional Guidelines (USEPA 1999, 2004c, 2005, 2008) and were designed to ensure completeness and adequacy of the data set. 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 DVSR and are summarized below.

Although certain laboratory limits, such as percent recovery (PR) and relative percent difference (RPD) between sample and duplicate, exceeded for certain compounds or analyses, as identified by the laboratory (and confirmed during ERM's review of the data), none of these exceedances resulted in rejection of data points. None of the exceedances reflected a larger concern for a particular compound, sample, or method, as discussed below.

Sample/Duplicate Differences Outside Permissible Range or Greater than Permissible Values

During the data validation process, sample/duplicate results are evaluated to determine whether differences in those results suggest potential issues with data quality. Specifically, the analyst reviews the following:

- Matrix spike/matrix spike duplicate (MS/MSD) RPDs, to determine whether the RPDs are outside acceptance limits;
- Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) RPDs, to determine whether the RPDs are outside acceptance limits;
- Sample/field duplicate results to determine whether differences are greater than the permissible value; and
- Sample/laboratory duplicate results to determine whether differences are greater than the permissible value.

As discussed in the DVSR (BRC and ERM 2010), no results were qualified due to RPDs for MS/MSD RPDs or LCS/LCSD being outside acceptance limits. Field duplicate differences in excess of acceptance limits were noted in five field duplicate pairs. The differences are presented in Attachment A, Table A-11 (on the enclosed CD in Attachment B). All data were flagged as either estimated (J/UJ) or "X" to indicate that they are part of a re-analysis and another result was selected as usable.

Of the samples representing post-remediation conditions (*i.e.*, not including those data points associated with samples from soil intervals subsequently removed from the Site), the following seven samples had sample/laboratory duplicate differences greater than the 1 picoCurie per gram (or liter; pCi/g or pCi/L) permissible value:

Lab Sample ID	Field Sample ID	Analyte	Result	Units	Notes
218570014	SRC1-AI19-0	Thorium-232	1.62 J	pCi/g	Difference = 1.14
218570016	SRC1-AI19-16	Thorium-232	2.27 J	pCi/g	Difference = 1.14
218570015	SRC1-AI19-6	Thorium-232	2.17 J	pCi/g	Difference = 1.14
219578002	SRC1-AJ19-11	Thorium-230	<0.512 UJ	pCi/L	Difference = 1.215
219578001	SRC1-AJ19-0	Radium-228	2.68 J	pCi/g	Difference = 1.45
219578005	SRC1-AK28-0	Radium-228	2.02 J	pCi/g	Difference = 1.45
219578006	SRC1-AK28-11	Radium-228	1.3 J	pCi/g	Difference = 1.45

The above data flagged as estimated based on sample/laboratory duplicate differences were subjected to further review in terms of data usability for the Site, as discussed in Section 3.6.

MS/MSD and/or LCS/LCSD Recoveries Below Acceptance Criteria

Attachment A, Table A-12 (on the enclosed CD in Attachment B) lists the samples and associated analytes exhibiting MS/MSD or LCS/LCSD percent recoveries below the lower laboratory control limit. As indicated in Table A-12, reported detections and non-detects for soil and surface flux data were flagged as estimated, "J-" or "UJ," respectively, due to low MS/MSD recoveries (*i.e.*, from 30 to 74 percent for metals).[2] All of the MS/MSD and LCS/LCSD recoveries were higher than 30 percent. The data flagged as estimated based on low MS/MSD recoveries were subjected to further review in terms of data usability for the Site, as discussed in Section 3.6.

Tentatively Identified Compounds

For the soil GC/MS methods, a list and estimated concentrations for tentatively identified compounds (TICs) were provided if detected. The majority of the reported TICs were identified as "unknown". None of the identified chemicals have associated toxicity criteria. Other TICs reported include amides which are indicative of column breakdown and saturated fatty acids.

[2] If additional validation criteria (aside from the MS/MSD recoveries) did not suggest a low bias for a given result, the sample result was flagged with "J" (no bias inferred).

For 1,349 out of 8,635 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 2009) and the *BRC Quality Assurance Project Plan* (QAPP; BRC and ERM 2009a). 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 soil data were rejected. Several surface flux VOC results for TO-15 selective ion mode (SIM) were rejected because the samples weren't analyzed under a valid initial calibration for certain analytes. A valid initial calibration was analyzed after the samples. The samples affected include SRC1-AI16, SRC1-AI18, SRC1-AI19, SRC1-AJ20, and SRC1-AL24. Valid results were reported for the TO-15 full scan analysis, and are used in the evaluation in Section 4.2. Other data points were excluded from the risk assessment if the sample was re-analyzed by the laboratory. These are presented in Attachment A, Table A-11 (on the enclosed CD in Attachment B). It includes six PAH results for samples SRC1-AJ19-11, SRC1-AI16-0, SRC1-AI16-10, and SRC1-AK21-0, one VOC sample, SRC1-AK21-0-FD and results for seven flux samples, SRC1-AI16, SRC1-AI18, SRC1-AI19, SRC1-AJ20, SRC1-AJ21, SRC1-AL24, and SRC1-AL25..

3.6 Criterion VI – 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, 2004c, 2005, 2008).

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, the general level of precision for the Site data and the background data (BRC and ERM 2010) does not appear to limit the usability of a particular analyte, sample, method, or dataset as a whole.

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;
- MS/MSD percent recovery;
- Spike sample recovery (inorganics);
- Surrogate spike recovery (organics);
- Tracer recovery (radionuclides); and
- Blank sample results.

Detailed discussions of and tables with specific exceedances, with respect to precision and accuracy, are provided in the NDEP-approved DVSR (BRC and ERM 2010) and data qualified as a result of this evaluation are presented with qualifiers in the data usability tables in Attachment A (on the enclosed CD in Attachment B). As discussed in Section 3.5, the data validation process resulted in numerous sample results being qualified as estimated, and a few results being rejected. In Attachment A, qualified sample results are categorized into two categories: 1) qualified data used in the risk assessment; and 2) data excluded from the risk assessment. Sample results qualified as estimated are likely to 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 DVSRs, refers to data that were qualified ("U") due to blank contamination, and 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).

For the screening-level health risk assessment, all data that were not rejected during data validation or replaced by re-analysis results were included. Data were often qualified as estimated due to recoveries being outside the acceptance criteria. In cases where the recoveries were higher than the acceptance criteria, the results have the potential of being similarly biased high and using these data in the screening-level health risk assessment could result in risks being calculated that are higher than would be associated with actual Site conditions. Of more concern for the screening-level health risk assessment is underestimation of risk, which could be associated with the use of data that are biased low. Results associated with the following QA/QC issues could lead to results that are biased low, and were subjected to further scrutiny during the data usability evaluation:

- Results associated with holding time exceedances;
- Results associated with calibration violations indicating a low bias; and/or
- Results associated with MS/MSD recoveries below acceptance criteria.

Such data, which are listed above in Section 3.5, were evaluated during the data usability process to determine whether it was appropriate to use them in the screening-level health risk assessment. With the exception of the rejected data points, the data usability determined that the estimated results listed in Section 3.5 were appropriate for use in the screening-level health risk assessment, as discussed below.

Holding Time Exceedances

There is a potential for analyte loss if the holding time for a sample is exceeded. For the Site, holding times were exceeded in two samples for chromium (VI) analysis, five soil samples and one surface flux sample for the VOC analyses. All samples were qualified as estimated. Since only two of 32 of the chromium (VI) analyses and five of 32 of the soil VOC analyses had holding times in exceedance, there is a low potential for a low bias to the datasets. Since one of seven surface flux VOC analyses had holding times in exceedance, there is a moderate potential for a low bias, however, the exceedance was only one day past holding time.

Calibration Violations Indicating a Low Bias

Calibration violations indicating a low bias occur when either the initial or continuing calibration compound is recovered with a lower than expected response. The tables provided in Attachment A indicate which data are qualified with a low bias due to calibration violations. Data were qualified for the following soil analytes:

- 4,4-DDD
- 4,4-DDT
- 1,4-Dioxane
- 3-Nitroaniline

- Alpha-Chlordane
- Endosulfan II
- Endosulfan sulfate
- Endrin aldehyde
- Endrin ketone
- Gamma-Chlordane
- Methoxychlor
- Toxaphene
- 4-Nitroaniline
- 4-Nitrophenol
- Acetophenone
- Benzyl alcohol
- Phthalic Acid
- Freon-12
- 3-Methylhexane

For the 1,4-dioxane approximately 50 percent of the samples were qualified as estimated with a low bias. For Freon-12 approximately 60 percent of the samples were qualified as estimated with a low bias. The effect on the remainder of the analytes is limited. The dataset for 1,4-dioxane and Freon-12 may be biased low.

In addition, the following surface flux analytes were qualified due to a low bias during instrument calibration:

- 1,2,4-Trichlorobenzene
- 1,3-Dichlorobenzene
- Acetone
- Benzyl chloride
- Dibromochloropropane
- Heptane
- tert-Butyl benzene
- Vinyl acetate
- 1,2,3-Trichloropropane
- 1,2-Dichlorobenzene
- 1,4-Dichlorobenzene
- Acetonitrile
- Chlorobromomethane
- Ethanol
- n-Propylbenzene

MS/MSD or LCS/LCSD Recoveries Below Acceptance Criteria

The laboratories use project samples for the matrix spikes at a frequency of at least 1 in 20 samples. The spike recoveries provide specific information regarding the sample that is spiked, but can be used to identify a trend in an analytes' recovery for samples of a similar matrix. Qualifications based on MS/MSD recovery exceedances are only made when a project sample is spiked. LCS or "blank spike", where deionized water is spiked to provide information on the instruments' accuracy. During the data usability review, results associated with MS/MSD and/or LCS/LCSD recoveries that were only slightly lower than the 75 percent lower acceptance limit (*i.e.*, 50 to 75 percent recoveries for metals) were accepted as usable without further evaluation. Samples with lower percent recoveries (*i.e.*, recoveries lower than 50 percent) were reviewed more closely to assess whether it was appropriate to use them in the screening-level health risk assessment. The data qualified on the basis of MS/MSD recoveries lower than 50 percent were found acceptable for use in the screening-level health risk assessment because the LCS/LCSD recoveries for those samples were within the acceptable ranges. No samples were rejected due to very low MS/MSD or LCS/LCSD recoveries.

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 at the Site 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 Site. Samples were delivered to the laboratory in coolers with ice to minimize the loss of analytes. At times the samples were analyzed beyond the holding time. Sample specific results are discussed in the DVSRs. Five TO-15 SIM surface flux samples were rejected; however, considering the availability of the full scan results for these sample locations for use in the screening-level health risk assessment, the dataset is considered representative. A discussion of representativeness for the background dataset is provided in the *Background Shallow Soil Summary Report, BMI Complex and Common Areas Vicinity* (BRC/TIMET 2007).

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 Site is 99.4 percent and includes the surface flux data. The percent completeness for the soil only dataset is 100 percent and the percent completeness for the surface flux only dataset is 89 percent. This is just slightly below the BRC completeness goal of 90 percent. All of the rejected data are for the TO-15 SIM analysis and have a usable full scan result for each location. The asbestos results are not included in the completeness calculation since they did not undergo data validation.

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 Site. 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 detected sample results from the current investigation are generally comparable to recent results at the Eastside (for example, the Parcel 4B sub-area), as well as the site background dataset (see Section 5). There are differences in SQLs among datasets which may affect data comparability for datasets comprised primarily of non-detected values. An example of the differences in SQLs at the site and in background for several analytes with low detection frequency is shown in the following table.

Analyte	Background Min SQL	Background Max SQL	Site Min SQL	Site Max SQL[3]
Antimony	0.0394	0.3298	0.126	0.315
Boron	3.2	3.2	2.99	16.5
Mercury	0.0072	0.0072	0.005	0.0115
Thallium	0.5428	0.5428	0.105	0.6

All results in units of mg/kg.

Cumulative probability plots and side-by-side boxplots for the Site and background datasets are included in Attachment C. For these datasets, left-censored data can result in difficulties in differentiating whether datasets are actually different or merely an artifact of detection limits. Note that for constituents with SQLs that meet project limit requirements, comparisons between Site and background may be less important as these left-censored data are likely to indicate conditions that pose an "acceptable" risk and further evaluation is not necessary.

3.7 Data Analysis

Data validation and usability evaluations tend to look at the data on a result by result basis. The data analysis step is intended to take a step back and look at the dataset as a whole. The intent of this is to identify any anomalies or unusual data trends that may indicate any potential laboratory issues. This is performed by reviewing summary statistics, cumulative probability plots and side-by-side boxplots, or other visual aids. The soil dataset used for the screening-level health risk assessment is summarized in tabular format in Table 1. While it is not feasible to present all the detected analytes in a graphical format, cumulative probability plots and side-by-side boxplots

3 The SQLs reported here may differ from the detection limits reported elsewhere (e.g. background comparisons). Detection limits may be raised due to blank contamination.

are provided in Attachment C for the analytes included in the background comparisons (that is, metals and radionuclides). If there were any identified risk drivers, they would also be presented graphically. However, based on the results of the screening-level health risk assessment (see Section 6.8), all risk estimates were below the target risk levels. No anomalies in the dataset were identified.

4.0 Data Summary

The chemical dataset compiled for this Site consists of analytical results associated with 36 samples collected from 18 soil sampling locations across the length of the Site.[4] Surface flux samples were also collected at seven locations across the Site for VOC analysis.[5] Finally, leachate generated from one sample (the 11 ft below ground surface [bgs] sample from location SRC1-AJ19) using the Synthetic Precipitation Leaching Procedure (SPLP) was also analyzed for a broad suite of site-related compounds. Sample locations within the Site are shown on Figure 2. Sampling results are summarized on Tables 1 through 3 for the above-referenced analyses. The data associated with these analyses are included in the database excerpt provided on the enclosed CD in Attachment B. The complete dataset for the Site is provided electronically on the enclosed CD in Attachment B along with all report files in their native format and all calculation spreadsheets used for the screening-level health risk assessment.

Site data were collected during a two-phase sampling program conducted initially in October and November 2008 (samples with "SRC1" prefix), with follow-on sampling conducted in September 2009 (samples with "SRC2" prefix). As noted above, the initial sampling event was not conducted based on a Site-specific SAP, but samples within the Site were collected as part of the sampling and analysis for the Southern RIBs sub-area, which this Site was part of prior to extracting the footprint of the Warm Springs Road ROW. Therefore, sampling and analysis was performed in accordance with an NDEP approved work plan (BRC and 2008; approved by NDEP on September 11, 2008). Sample results identified a localized area within the Site (at

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[4] For samples with primary and field duplicate results, the Site sample and field duplicate are treated as independent samples and both are included in all subsequent data analyses, regardless of whether one or both are non-detect (see Section 3.5 regarding evaluation of differences between primary and field duplicate samples). This is considered appropriate because field duplicate samples represent a discrete and unique measurement of soil chemical conditions proximal to the primary sample (unlike split samples). The sample number varies by analyses (see Table 1) with a maximum of 32 samples collected for any one particular analyte. However, the total number of samples, when considering all analytes, is 36.

[5] Note that because the data used is a subset of the data collected during the Southern RIBs investigation, the principal investigator report of findings, which includes descriptions of sampling procedures, is not provided in this technical memorandum, but will be provided in the report for the Southern RIBs sub-area.

sample location SRC1-AI19), at which elevated dioxins/furans concentrations were reported in surface soils (*i.e.*, the dioxin/furan toxic equivalency [TEQ] concentration of 121 parts per trillion [ppt] was higher than the Agency for Toxic Substances and Disease Registry [ATSDR] screening value and NDEP BCL of 50 ppt). In response to this result, BRC conducted a limited soil removal action in this area (as well as other areas in the Southern RIBs sub-area), in accordance with a letter work plan dated August 31, 2009 (BRC 2009). This work plan, which included confirmation sampling, was approved by NDEP on August 31, 2009. Confirmation samples near SRC1-AI19 were included in the confirmation sampling within the Site, with three of these samples falling within the Site (see Figure 2). At that time, BRC performed sampling at four more locations within the Site, due to changes to the boundary of the Southern RIBs sub-area. Data validation results are presented in the DVSR for dataset 53 (BRC and ERM 2010), which was approved by NDEP on March 11, 2010.

During these two investigations, soil samples at various depths (maximum depth 21 feet bgs; note that sample depths are based on development plans for cut/fill as specific in the SAP [BRC and ERM 2008]) were collected and analyzed for VOCs, SVOCs, PAHs, organochlorine pesticides, PCBs, aldehydes, dioxins/furans, metals, perchlorate, radionuclides, and general chemistry. The data associated with these investigations are included in the database excerpt provided on the enclosed CD in Attachment B.

A summary of compound-specific chemical data for the Site is presented in Table 1 (soil data, all locations, all depths included), Table 2 (surface flux data), and Table 3 (SPLP data). Location-specific sampling results associated with the Site are provided in Attachment B, Tables B-1 through B-11 for soil samples and Table B-12 for surface flux samples, and are included electronically on the enclosed CD in Attachment B. Sample locations are shown on Figure 2.

4.1 Soil Data

As noted above, chemical data associated with soil samples collected within the Site boundaries are summarized in Table 1, and Attachment B, Tables B-1 through B-11. Various applicable constituent-specific comparison levels are provided on the tables for reference, specifically:

- NDEP BCLs for outdoor worker (NDEP 2009a), hereinafter "BCL_{OW}"; and
- NDEP BCLs for protection of groundwater (LBCL), assuming dilution attenuation factors (DAF) of 1 and 20 (NDEP 2009a), hereinafter "LBCL."

To assess the potential threat to human health, chemical detections in Site soils were compared to the BCL_{OW}. In addition, to assess the potential for impacts to groundwater quality, chemical detections at the Site were also compared to the LBCL (DAF 1; $LBCL_{DAF1}$) established for each chemical.

For comparing the Site data to background conditions, the background soil dataset for the BMI Common Areas presented in *Background Shallow Soil Summary Report, BMI Complex and Common Areas Vicinity* (BRC/TIMET 2007), which was approved by NDEP on July 26, 2007, was used. Establishment of background conditions for the BMI Common Areas project is complicated by the unique geologic conditions in the area, specifically, the BMI Common Areas location at the confluence of alluvial fan deposits from the McCullough Range to the southwest and the River Mountains to the east. The Site appears to be underlain by sediments that are derived from the McCullough Range, and background conditions associated with shallow soils in this area are expected to be comparable to those used as comparison levels in this report, which are primarily associated with alluvial fan deposits derived from the McCullough Range. The scope of the background comparisons are summarized in Section 5.

Chemical occurrence patterns for all constituents detected in the Site soil samples at concentrations in excess of the above comparison levels, including background comparisons, are provided below.

Asbestos

No long amphibole and only two long chysotile fibers (at one sample location; SRC1-AK21) were detected in 13 Site soil samples in which it they were analyzed (all surface samples; Table B-1). Asbestos were evaluated in the screening-level health risk assessment (Section 6).

Aluminum

Aluminum was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 100,000 mg/kg BCL_{OW}, but all were higher than the 75 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a sample collected from 18 feet bgs at location SRC1-AL24 (18,400 mg/kg). Because the Site dataset was statistically higher than the background dataset (see Section 5), aluminium was included in the screening-level health risk assessment (Section 6).

Arsenic

Arsenic was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were higher than the 1.77 mg/kg BCL_{OW} and the 1 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AI18 (9.5 mg/kg). Because the Site dataset was statistically comparable to the background dataset (see Section 5), arsenic was not included in the screening-level health risk assessment (Section 6).

Barium

Barium was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 100,000 mg/kg BCL_{OW}, but all were higher than the 82 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AI19 (490 mg/kg). Because the Site dataset was statistically higher than the background dataset (see Section 5), barium was included in the screening-level health risk assessment (Section 6).

Chromium (Total)

Chromium (total) was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 100,000 mg/kg BCL_{OW}, but all were higher than the 2 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AK28 (19.7 mg/kg). Because the Site dataset was statistically higher than the background dataset (see Section 5), chromium (total) was included in the screening-level health risk assessment (Section 6).

Chromium (VI)

Chromium (VI) was detected in all 17 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 454 mg/kg BCL_{OW}, and lower than the 2 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AI18 (0.58 mg/kg). Because the Site dataset was statistically higher than the background dataset (see Section 5), chromium (VI) was included in the screening-level health risk assessment (Section 6).

Iron

Iron was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 100,000 mg/kg BCL_{OW}, but all were higher than the 7.56 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AJ19 (23,700 mg/kg). Because the Site dataset was statistically higher than the background dataset (see Section 5), iron was included in the screening-level health risk assessment (Section 6).

Magnesium

Magnesium was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 100,000 mg/kg BCL_{OW}, but all were higher than the 649 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AL25 (15,400 mg/kg). Because the Site dataset was statistically comparable to the background dataset (see Section 5), magnesium was not included in the screening-level health risk assessment (Section 6).

Manganese

Manganese was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 13,700 mg/kg BCL_{OW}, but all were higher than the 3.26 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AI19 (1,800 mg/kg). Because the Site dataset was statistically higher than the background dataset (see Section 5), manganese was included in the screening-level health risk assessment (Section 6).

Nickel

Nickel was detected in all 32 of the Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 20,100 mg/kg BCL_{OW}, but all were higher than the 7 mg/kg $LBCL_{DAF1}$. The maximum detection was associated with a surface soil sample collected at location SRC1-AL25 (30.3 mg/kg). Because the Site dataset was statistically comparable to the background dataset (see Section 5), nickel was not included in the screening-level health risk assessment (Section 6).

Thallium

Thallium was detected in seven of the 32 Site soil samples in which it was analyzed (17 surface and 15 subsurface samples; Table B-5). All of the detections were lower than the 79.5 mg/kg BCL_{OW}, but three were higher than the 0.4 mg/kg $LBCL_{DAF1}$ (surface soil samples SRC1-AI19 and SRC1-AI18 [0.86 and 0.96 mg/kg, respectively]; and subsurface sample SRC1-AJ19 at 11 feet bgs [0.58 mg/kg]). Because the Site dataset was statistically comparable to the background dataset (see Section 5), thallium was not included in the screening-level health risk assessment (Section 6).

Organochlorine Pesticides

Organochlorine pesticides were not routinely detected in the 32 Site soil samples in which they were analyzed (17 surface and 15 subsurface samples; Table B-6). Beta-BHC was the only organochlorine pesticide detected at a concentration higher than a comparison level. Two of the detections were higher than the 0.0001 mg/kg $LBCL_{DAF1}$ (surface soil samples SRC1-AI19 and SRC-AJ20 exhibited reported detections of 0.01 mg/kg and 0.003 mg/kg, respectively); both of these detections were lower than the 1.4 mg/kg BCL_{OW}.

Radionuclides

Radionuclides were detected in all 31 of the Site soil samples in which they were analyzed (16 surface and 15 subsurface samples; Table B-9). Three of the isotopes (radium-226 and radium-228, and thorium-228) were consistently detected at activities higher than the applicable BCL_{OW} and $LBCL_{DAF1}$. In addition, the detections of thorium-230 and thorium-232 were higher than the $LBCL_{DAF1}$. However, because radionuclides were statistically comparable to the background dataset (see Section 5), they were not included in the screening-level health risk assessment (Section 6).

Volatile Organic Compounds

With the exception of acetone (detected in more than 50% of the samples), VOCs were not routinely detected in the 32 Site soil samples in which they were analyzed (17 surface and 15 subsurface samples; Table B-11). Dichloromethane was the only VOC detected at a concentration higher than its comparison levels. Three detections of this constituent (all at location SRC1-AI19) were higher than the 0.001 mg/kg $LBCL_{DAF1}$ (0.011 mg/kg at 0 feet bgs; 0.0052 mg/kg at 6 feet bgs; and 0.0093 mg/kg at 16 feet bgs). All of these detections were lower than the 22.3 mg/kg BCL_{OW}.

Other Organic Compounds

As seen on Table 1, no other organic compounds were detected at concentrations in excess of the soil comparison levels.

4.2 Surface Flux Data

VOC data (TO-15 full scan and SIM analyses) associated with the seven surface flux samples collected within the Site boundaries are summarized in Table 2, and Attachment B, Table B-12. Ambient air concentrations were calculated from these data by first converting the surface flux data, in $\mu g/m^3$, to a flux rate, in $\mu g/m^2$-min (from BRC, ERM, and MWH 2009 [SOP-16]):

$$\text{VOC Flux } (\mu g/m^2\text{-min}) = (\mu g/m^3)(0.005\ m^3/\text{min})/(0.13\ m^2)$$

An outdoor air concentration was then obtained using the dispersion factor for volatiles (Q/Cvol = 83.1 g/m^2-s per kg/m^3) from the *BRC Closure Plan* (BRC, ERM, and DBSA 2007). For reference, Table 2 includes constituent-specific comparison levels (NDEP's ambient air BCLs [NDEP 2009a]). As seen in Table 2, no VOCs were detected at concentrations in excess of their respective ambient air BCLs.

The comparison of outdoor air concentrations (derived from surface flux chamber data) to ambient air BCLs does not account for multiple chemical exposures. However, ambient air BCLs were developed for residential exposures, which are greater than those for a worker receptor. In addition, maximum outdoor air concentrations were generally an order of magnitude less than ambient air BCLs. Therefore, BRC concludes that the residual concentrations of VOCs in Site soils are not likely to pose a threat to human health.

4.3 Leachate Data

As specified in the Southern RIBs SAP, one sample collected within the Site during those sampling activities was submitted for SPLP analysis, a sample collected from location SRC1-AJ19, from 11 feet bgs. As seen in Attachment B, this soil sample was analyzed for aldehydes, general chemistry/ions, metals, organochlorine pesticides, and VOCs. Formaldehyde was the only organic constituent detected in this sample, but this soil sample represented some of the higher general chemistry and metals detections in Site samples. The maximum values reported at the Site for beryllium, titanium, and vanadium are associated with this sample, and the detections of several other inorganic constituents fell within the highest quartile of the dataset (*i.e.*, chloride, sulfate, barium, chromium [total], cobalt, copper, iron, lithium, nickel, silver, sodium, and uranium).[6] Because of this, this sample is considered a good choice for evaluation of leachable potential.

Data associated with this SPLP sample are summarized in Table 3. For reference, Table 3 includes constituent-specific comparison levels (NDEP's residential water BCLs and USEPA Maximum Contaminant Levels). As summarized in Table 3, there were few detections in the leachate sample from SRC1-AJ19. All of the detections in this leachate sample were inorganic constituents (*i.e.*, general chemistry ions, metals and radionuclides); organic compounds were

6 This does not suggest that this location is indicative of contamination or concentrations increasing with depth (in fact, most of the results are below the maximum measured background concentration and all are similar in concentration to the surface sample at this location); merely that the location is a good choice for evaluating the leaching potential of the analytes via the SPLP results.

not detected. Of these detections, only the arsenic (0.003 mg/L) detection was higher than the comparison level used for this evaluation. The remaining detections were appreciably lower than the comparison levels (at least one order of magnitude lower, often two or more orders of magnitude lower).

BRC has concluded that the residual concentrations of chemicals in Site soils are not likely to pose a threat to groundwater quality in the future because of the following considerations:

- The future land use for the Site is as a road, and as such, the Site will be paved with an impermeable surface, which will reduce the potential for surface water to percolate into Site soils and to enhance chemical migration into groundwater;

- As discussed above, few constituents were detected in Site soils at concentrations above the LCBL DAF1, a conservative screening level developed for protection of groundwater quality;

- Chemical detections measured in leachate from a representative sample are relatively low for the majority of chemicals at the Site. The only SPLP detection higher than its leachate comparison level is arsenic, which had a soil concentration from this sample comparable to the background dataset established for Site soils; and

- Groundwater beneath the Site is greater than 50 feet bgs (based on Shallow water-bearing zone monitoring well HMWWT-4, within the Site, which is screened from 36 to 51 feet bgs and was dry during August 2009 water level measurement event). It should be noted that groundwater will be evaluated separately and remedial alternatives will be evaluated, as appropriate.

5.0 Evaluation of Concentrations Relative to Background Conditions

As noted above, the comparison of Site-related soil concentrations to background levels was conducted using the existing, shallow soils background data set presented in the *Background Shallow Soil Summary Report, BMI Complex and Common Area Vicinity* (BRC/TIMET 2007).[7] 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

[7] Although some data were collected below 10 feet bgs, comparisons to the deeper background dataset (BRC and ERM 2009b), collected from 20 feet bgs and deeper were not conducted. Only one sample was collected below 20 feet bgs (sample location SRC1-AJ20 at 21 feet bgs). Although for some metals there were significant differences between the shallow and deep datasets (for example, between the shallow and deep McCullough background datasets), for others no significant differences were found (for example, arsenic).

software program, Guided Interactive Statistical Decision Tools (GiSdT®; Neptune and Company 2009), was used to perform all background comparison statistics.

For radionuclides, the reported activities were used without censoring to conduct the statistical analyses, as well as in all descriptive statistics and plots (*e.g.*, boxplots). For metals, a value of one-half the SQL was used as a replacement value for non-detected data to conduct the statistical analyses. The SQL was used in all descriptive statistics and plots. For this evaluation, a nominal family-wise significance level of 0.05 was desired; thus, an adjusted significance level of 0.025 was used. A significance level of 0.025 is consistent with NDEP (2009c) guidance.

The results of the background comparison evaluation are presented in Table 4. The results of the comparisons noted above indicate that levels of the following metals exceed background levels:

- Aluminum
- Barium
- Beryllium
- Cadmium
- Chromium (Total)
- Chromium (VI)
- Cobalt
- Copper
- Iron
- Lead
- Manganese
- Sodium
- Strontium
- Titanium
- Tungsten
- Vanadium
- Zinc

Although the comparison statistics indicate that these metals levels at the Site are above background, small analytical differences or small differences related to geologic or depth differences as seen in the background dataset may be responsible for these results. Given that these chemicals are not expected to be found as contaminants at the Site, it is likely that the property and background datasets are representative of a single population. However, as discussed below, these metals are considered in the screening-level health risk assessment. Cumulative probability plots and side-by-side boxplots were also prepared and are included in Attachment C.

For radionuclides, secular equilibrium exists when the quantity of a radioactive isotope remains constant because its production rate (due to the decay of a parent isotope) is equal to its decay rate. In theory, if secular equilibrium exists, the parent isotope activity should be equivalent to the activity of all daughter radionuclides. Pure secular equilibrium is not expected in environmental samples because of the effect of natural chemical and physical processes. However, approximate secular equilibrium is expected under background conditions (NDEP 2009d). Only the uranium-238 chain was determined to be in approximate secular equilibrium following equivalence testing outlined in NDEP's *Guidance for Evaluating Secular Equilibrium at the BMI Complex and Common Areas February* (NDEP 2009d). No analytical reasons were discovered as to why the thorium-232 chain data are not in secular equilibrium. The results of the equivalence testing for secular equilibrium are as follows:

Chain	Equivalence Test		Secular	Mean Proportion			
	Delta	p-value	Equilibrium?	Ra-226	Th-230	U-233/234	U-238
U-238	0.1	0.0045	Yes	0.2575	0.2641	0.2433	0.2351
				Ra-228	Th-228	Th-232	
Th-232	0.1	0.0825	No	0.3678	0.3302	0.3020	

As noted in Tables 1 and 4, background comparisons indicate that radionuclide levels do not exceed background levels. Background comparisons with metallic uranium also indicate that it is consistent with background levels. Coupled with the summary statistics, cumulative probability plots and side-by-side boxplots, and background comparisons for the individual radionuclides, it is reasonably to assume that radionuclides are similar to background. Therefore, these constituents are not considered in the screening-level health risk assessment.

6.0 Screening-Level Health Risk Assessment

The comparison levels in the Data Review section above do not take into account cumulative effects, nor do they consider all potential exposure pathways (for example, the construction dust pathway). Therefore, the purpose of the screening-level health risk assessment is to determine if chemical concentrations in Site 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 during development of the *BRC Closure Plan* (BRC, ERM, and DBS&A 2007) 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;

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; and

4. 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, including NDEP's *User's Guide and Background Technical Document for Nevada Division Of Environmental Protection (NDEP) Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas* (2009a), were also consulted for the screening-level health risk assessment.

6.1 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 Site. However, in order to ensure that a risk assessment focuses on those substances that contribute the greatest to the overall risk (USEPA 1989); only one procedure was 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).

The procedure for evaluating chemicals relative to background conditions was presented in Section 5 above.

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 2010), may be considered for elimination. However, no chemicals were eliminated from further evaluation based on the frequency of detection criteria.

6.2 Determination of Exposure Point Concentrations

Non-Asbestos COPCs

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. 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 is typically computed in order to represent the area-wide exposure point concentrations. The 95 percent UCL is a statistic that quantifies the uncertainty associated with the sample mean. If randomly drawn subsets of site data are collected and the UCL is computed for each subset, the UCL will equal or exceed the true mean roughly 95 percent of the time. The purpose for using the 95 percent UCL is to derive a conservative, upper-bound estimate of the mean concentration, which takes into account the different concentrations a person may be exposed to at the Site. 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.

However, while it may be more realistic to develop exposure concentrations consistent with the proposed development of the Site, the maximum concentration was selected as the exposure point concentration for each COPC, regardless of location, for evaluating Site risks in order to identify the worst-case risks for the Site.[8] It is conservatively assumed that individuals will be exposed to a consistent maximum COPC concentration in soil, based on the assumptions used in the assessment, regardless of where they are on the Site. That is, fluctuations in chemical concentrations, either spatially or temporally, are not considered.

Asbestos

The exposure point concentrations for asbestos were based on the pooled analytical sensitivity of the dataset (USEPA 2003b, NDEP 2009b). The asbestos data and analytical sensitivities are presented in Attachment B. Therefore, asbestos exposure point concentrations are determined differently than those for the other COPCs. The pooled analytical sensitivity was calculated as follows:

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

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[8] Post-scrape analyses associated with follow-up rounds of remediation focused on the analytes triggering that additional remediation (i.e., dioxins/furans), and did not include the full suite analyses of the original analytical program. Therefore, analytical results from the original sampling dataset were retained for all analytes except those that were re-analyzed after additional scraping.

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 across all samples 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:

95% UCL of Poisson Distribution (10^6 s/gPM10) = CHIINV(1-upper confidence percentile, 2 × (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 (PEFs) were used:

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

See NDEP's *Technical Guidance for the Calculation of Asbestos-Related Risk in Soils* (2009b) for further explanation on asbestos risk calculations and estimates.

The USEPA guidance for dust generated by construction activities (USEPA 2002b; from NDEP 2009b) was used for assessing short-term construction worker exposures:

$$PEF = \frac{1}{\left(\left(\frac{1}{PEF_{sc}}\right) + \left(\frac{1}{PEF_{sc\_road}}\right)\right)}$$

where:

PEF_{sc} = Subchronic particulate emission factor for construction activities (m^3/kg)

PEF_{sc_road} = Subchronic particulate emission factor for unpaved road traffic (m^3/kg)

The construction dust model and all relevant equations and parameters utilized to generate the construction worker PEF from this guidance are provided in Table 5.

6.3 Risk Assessment Methodology

The method used in this screening-level health risk assessment consists of a simple comparison of maximum detected concentrations to NDEP outdoor commercial/industrial worker BCLs. Several chemicals have both cancer and non-cancer toxicity criteria. For these chemicals NDEP calculates BCLs for both cancer and non-cancer endpoints. These values are included in the calculation spreadsheet tables, and are both used in the screening-level risk assessment calculations.

6.4 Methods for Assessing Non-Cancer Health Effects

In this assessment, adverse non-cancer health effects were characterized by comparing the maximum measured soil concentrations with an exposure level at which no adverse health effects are expected to occur for a long period of exposure (*i.e.*, NDEP's BCLs). Maximum measured soil concentrations and BCLs are compared by dividing the maximum measured soil concentration by the BCL, as shown below:

$$Hazard\ Quotient = \frac{Maximum\ Measured\ Soil\ Concentration}{Outdoor\ Worker\ BCL}$$

If a person's representative exposure concentration is less than the BCL (i.e., if the hazard quotient is less than one), the chemical is considered unlikely to pose a significant non-cancer health hazard to individuals under the given exposure conditions assumed in the exposure parameters assumed in deriving the applicable BCL.

In accordance with standard risk assessment protocol, the hazard quotients for multiple chemicals are summed to determine whether the cumulative effect poses a potential health concern. The sum of the hazard quotients is known as a hazard index (HI).

$$Hazard\ Index\ =\ \sum\ Hazard\ Quotients$$

An HI less than 1.0 indicates the exposure is unlikely to be associated with a potential health concern.

6.5 Methods for Assessing Cancer Risks

Carcinogenic risks are estimated as the incremental probability of an individual developing cancer over a lifetime as a result of a chemical exposure. When utilizing BCLs, carcinogenic risks are evaluated much in the same manner as hazard quotients.

$$Cancer\ Risk = \frac{Maximum\ Measured\ Soil\ Concentration}{Outdoor\ Worker\ BCL} \times 10^{-6}$$

In this fashion the BCL converts a measured concentration to incremental risk of an individual developing cancer. Because cancer risks are averaged over a person's lifetime, longer term exposure to a carcinogen will result in higher risks than shorter term exposure to the same carcinogen, if all other exposure assumptions are constant.

It is assumed that cancer risks from various exposure routes are additive. Thus, the result of the assessment is a high-end estimate of the total carcinogenic risk.

$$Total\ Carcinogenic\ Risk = \sum Risk_{individual\ \ chemicals}$$

Upper-bound carcinogenic risk estimates were compared to the USEPA acceptable risk range of 1 in 10,000 (10^{-4}) and 1 in 1 million (10^{-6}) and NDEP's acceptable level of 10^{-6}. If the estimated risk falls within or below this risk range, the chemical is considered unlikely to pose an unacceptable carcinogenic risk to individuals under the given exposure conditions. A risk level of 1×10^{-5} (1 E-5) represents a probability of one in 100,000 that an individual could develop cancer from exposure to the potential carcinogen under a defined set of exposure assumptions.

6.6 Methods for Assessing Asbestos Risks

Asbestos risks were assessed using the spreadsheets developed by NDEP in its *Technical Guidance for the Calculation of Asbestos-Related Risk in Soils* (2009b). See NDEP's guidance for further explanation on asbestos risk calculations and estimates.

6.7 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 actual risks to a receptor associated with exposure to chemicals in the environment. In fact, estimating 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 three main categories that correspond to these steps:

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

Some of the specific uncertainties associated with this screening-level health risk assessment are discussed below.

The screening-level health risk assessment for the Site was based on the sampling results obtained from investigations conducted between 2008 and 2009. 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 Site is one source of uncertainty in the evaluation. However, despite the fact that a SAP was not prepared specific for the Site, 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. Through data validation and data usability evaluations it is determined if there were issues with the laboratory analyses which would limit the usability of the data. Qualifiers are applied to the data to provide and indication of uncertainty and bias to the data points. These are discussed in detail in Section 3.

The use of maximum concentrations across the Site causes a form of conservatism in the results. That is, if a similar risk assessment had been performed using the 95 percent UCL, then these screening risk assessments would produce lower risks. The use of maximum concentrations also assumes that individuals will be exposed to a consistent maximum concentration regardless of where they are on the Site. That is, fluctuations in chemical concentrations, either spatially or temporally, are not considered.

Because of the surface soil remediation for dioxins/furans, the new surface layer of the Site could have different chemical concentrations than those that were measured prior to remediation. Because only dioxins/furans were re-analyzed for in the post-scrape samples, the original measured surface soil data at the Site for all other chemicals was retained for further evaluation. However, because there are no historical uses of the Site, and based on the depth profiles of the chemicals, it is reasonable to assume that the concentration distribution did not change in any important way. It might also be reasonable to assume that concentrations are now lower for some chemicals because of the removal of some soil.

The screening-level health risk assessment evaluated exposures and risks to outdoor commercial/industrial receptors only (with the exception of asbestos). This receptor is considered to have the highest level of exposure at the Site. However, there are several metals, for example, beryllium, cadmium, chromium (VI), and manganese, for which non-cancer exposures may be higher for a construction worker than for an outdoor commercial/industrial receptor (this is generally not the case for cancer risks since these are average over a lifetime, therefore, the much longer outdoor commercial/industrial exposure [25 years versus 1 year] outweighs any other exposure considerations). These risks to construction workers were not quantitatively evaluated in the screening-level health risk assessment (except for asbestos). The highest individual non-cancer HI in the screening-level health risk assessment was 0.13 for manganese (see Section 6.8). Therefore, Site non-cancer risks for a construction worker would need to be over seven times greater than that evaluated in the screening-level health risk assessment. Given the limited exposures expected at the Site (much lower than the one year typically used to evaluate construction workers), the fact that sub-chronic non-cancer toxicity criteria would apply, and that target organs were not accounted for, it is unlikely that the screening-level health risk assessment underestimates Site risks, even for Site construction workers.

Overall, 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.

6.8 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 Warm Springs Road ROW, which bisects the Southern RIBs sub-area within the Eastside property. The calculated theoretical upper-bound ILCRs and non-cancer health effects are presented in Table 1. Asbestos risk calculations are presented in Table 6. All calculation spreadsheets for this screening-level health risk assessment are included on the enclosed CD in Attachment B.

The risk estimates are based on reasonable worst-case exposure scenarios, which results in estimates of the potential high-end risks associated with the Site, which are more conservative than a reasonable maximum exposure scenario. The total cumulative non-cancer HI for future commercial/industrial receptors at the Site is 0.34, which is below the target HI of 1.0. Because the total cumulative HI is below 1.0, the potential for adverse health effects is considered unlikely.

The total theoretical upper-bound ILCR for future commercial/industrial receptors at the Site is 3×10^{-7}. The ILCR is less than the risk goal of 1×10^{-6}. Because the total theoretical upper-bound ILCR is less than the risk goal, these results indicate that future receptor exposures at the Site should not result in unacceptable carcinogenic risks.

For construction workers, the best estimate and upper bound concentrations of asbestos range from 2×10^{-8} to 5×10^{-8} for chrysotile fibers, and from zero to 3×10^{-6} for amphibole fibers. No long amphibole structures have been detected at the Site. 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 3×10^{-6} is 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 Site following remediation; and

- The values from Tables 8-2 of USEPA (2003b) 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.

In addition, for dioxins/furans, the USEPA TEQ procedure, developed to describe the cumulative toxicity of these compounds, is used. This procedure involves assigning individual toxicity equivalency factors (TEFs) to the 2,3,7,8 substituted dioxin/furan and PCB 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 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 TCDD TEQ concentration for the mixture. TEFs from USEPA (2000) are used. The target goal for a non-residential land use is the NDEP worker BCL (NDEP 2009a) of 1,000 ppt. None of the TCDD TEQ results exceed this level.

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

7.0 Data Quality Assessment

Sample size calculations were conducted for four analytes (arsenic, manganese, TCDD TEQ, and benzo[a]pyrene) for the Site.[9] Arsenic and TCDD TEQ are chemical of primary concern for the overall project, often exceeding comparison levels, while manganese and benzo(a)pyrene contribute the greatest amount to the non-cancer and cancer risk estimates, respectively. 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

9 Sample size calculations were not conducted for asbestos. NDEP (2009b) has a worksheet for determining the number of asbestos samples needed to reach prescribed risk target levels. Similar to arsenic, a 10^{-5} target cancer risk level may be a more appropriate point of comparison for amphibole long fibers. Given this, and the fact that no amphibole long fibers have been detected at the Site, or in the surrounding Southern RIBs sub-area samples, the number of asbestos samples collected is considered adequate for the Site

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). For arsenic, the Site mean concentration exceeds its BCL based on the target cancer risk level of 10^{-6}. It is not appropriate to apply this calculation where the threshold value is less than the mean concentration. Therefore, an adjustment of the threshold value was used based on a 10^{-5} target cancer risk level. 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 7. In Table 7, 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 7 that the number of samples collected is adequate for the Site.

8.0 Summary

Based on the results of the Site investigation, this data review, and the screening-level health risk assessment, exposures to residual levels of chemicals in soil at the Warm Springs Road ROW Site should not result in adverse health effects to all future receptors and groundwater quality. In summary, BRC concludes and hereby requests that the NDEP grant an NFAD for the Site.

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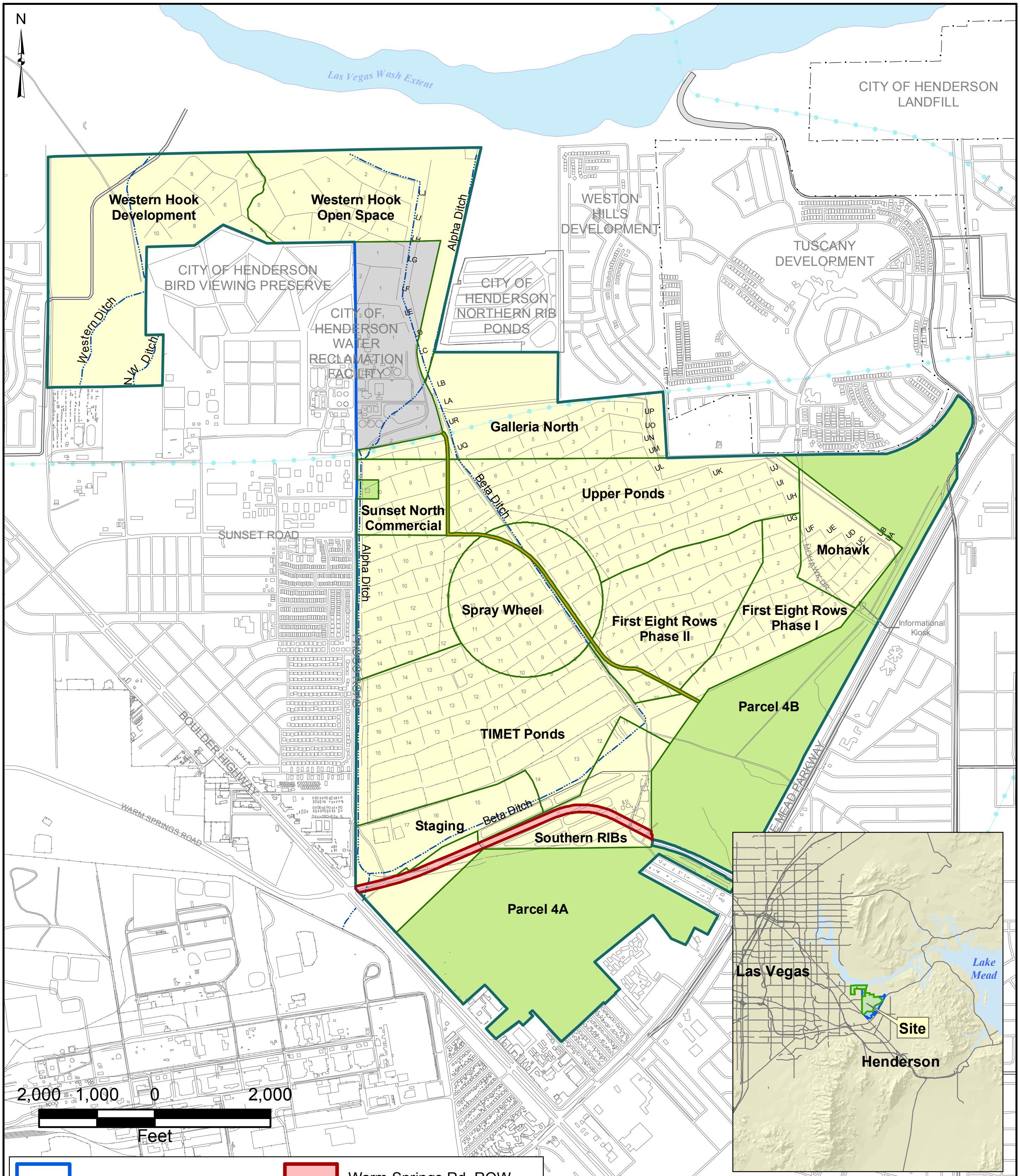
Attachments: Table 1 – Soil Data and Screening-Level Risk Assessment Results Summary
Table 2 – Surface Flux Data and Outdoor Air Evaluation
Table 3 – SPLP Data Summary
Table 4 – Background Comparison Summary
Table 5 – Construction Dust Model
Table 6 – Asbestos Risk Summary
Table 7 – Asbestos Risk Summary
Figure 1 – Warm Springs Road ROW Location
Figure 2 – Soil and Surface Flux Sampling Locations
Figure 3 – Conceptual Site Model Diagram for Potential Human Exposures
Attachment A – Data Usability Tables (on the enclosed CD in Attachment B)
Attachment B – Warm Springs Road ROW Investigation Data Tables (Database and Electronic Files on CD)
Attachment C – Cumulative Probability Plots and Boxplots

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.

May 6, 2010

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2011) Date
BRC Project Manager

FIGURES



Site AOC3 Boundary	Warm Springs Rd. ROW
Ditches	Eastside Sub-Areas
Flood Conveyance Channels	NFA Areas*
Laterals	CoH WRF*
Utility Corridor Sub-Area	*Not part of the Closure Plan for soils.

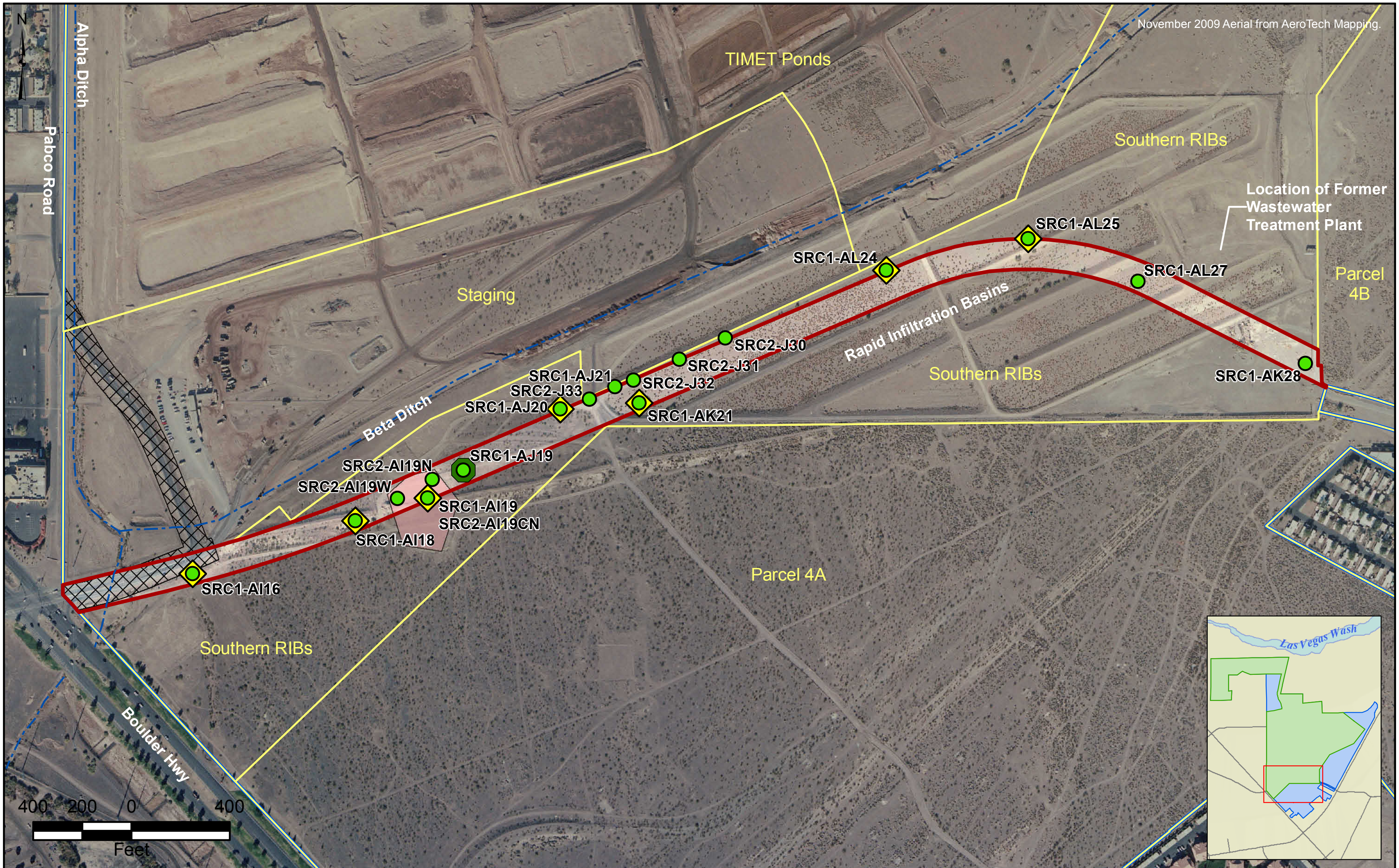
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 1

WARM SPRING ROAD
RIGHT-OF-WAY LOCATION

Basic Remediation Company

Prepared by MKJ (ERM) | ERM | Date 05/06/10 | JOB No. 0064276 FILE: GIS/BRC/WSR_ROW/FIGURE_1.MXD



Warm Springs Rd. ROW	Surface Remediation Area
Site AOC3 Boundary	Soil Sample Location
Eastside Soil Sub-Areas	Surface Flux Sample Location
Approximate Extent of Existing ROW NFAD	SPLP Sample Location

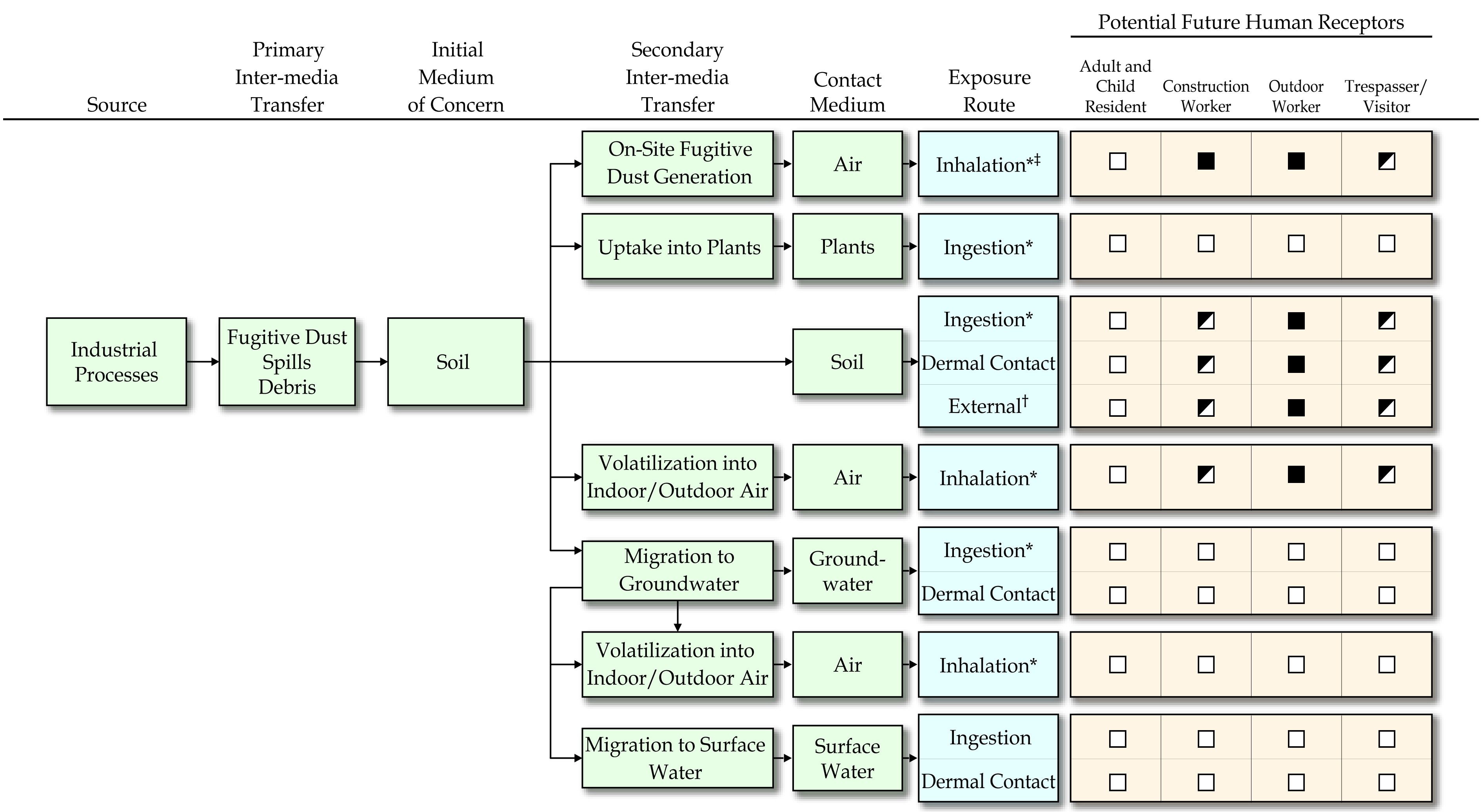
BMI Common Areas (Eastside)
Clark County, Nevada

FIGURE 2

SOIL AND SURFACE FLUX SAMPLING LOCATIONS

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 05/06/10 | JOB No. 0064276 FILE: GIS/BRC/WSR_ROW/FIGURE_2.MXD



☐ - Incomplete or insignificant exposure pathway.

■ - Complete or potentially complete exposure pathway.

◩ - Although a potentially complete exposure pathway, only outdoor worker receptors (and construction workers for asbestos exposures) were evaluated in the screening-level health risk assessment (see text).

*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 (ERM) | ERM | Date 05/06/10 | JOB No. 0064276 FILE: GIS/BRC/WSR_ROW/FIGURE_3.AI

TABLES

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq	Censored (Non-Detect) Data							Detected Data[a]						
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max
Asbestos[e]	Chrysotile	Structures	13	7.7%	12	0	--	--	--	--	0	1	2	--	--	--	--	2
	Amphibole	Structures	13	0%	13	0	--	--	--	--	0	0	--	--	--	--	--	--
Aldehydes	Acetaldehyde	mg/kg	27	0%	27	0.151	0.159	0.305	0.25	0.315	0.324	0	--	--	--	--	--	--
	Formaldehyde	mg/kg	27	44.4%	15	0.101	0.106	0.205	0.181	0.211	0.216	12	0.14	0.237	0.429	0.689	1.07	2.05
Dioxins/ Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	21	61.9%	8	0.16	0.315	0.71	1.66	3.99	5.1	13	2.8	4.75	17	30.6	50.5	120
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	21	28.6%	15	0.075	0.37	0.95	2.4	5	5.1	6	4.1	4.63	7.35	8.1	11.8	14
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	21	42.9%	12	0.054	0.253	1.13	2.14	5	5.1	9	3.3	6.95	12	19.2	29	53
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	21	52.4%	10	0.061	0.175	0.605	1.84	5	5.1	11	2.7	4.4	11	18.3	32	49
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	21	0%	21	0.075	0.22	1	2.44	5	5.3	0	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	21	42.9%	12	0.037	0.215	0.7	2.03	5	5.1	9	2.6	5.7	8.7	14.2	21.5	38
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	21	4.8%	20	0.059	0.283	1.35	2.41	5	5.3	1	3.5	--	3.5	3.5	--	3.5
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	21	19.0%	17	0.05	0.21	0.99	2.18	5	5.1	4	3	3.03	3.15	4.18	6.35	7.4
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	21	0%	21	0.061	0.28	1.1	2.5	5	5.3	0	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	21	47.6%	11	0.076	0.18	0.68	1.75	5	5.1	10	2.5	4.18	12	13.3	18.5	36
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	21	4.8%	20	0.1	0.265	1.3	2.5	5	5.3	1	3.1	--	3.1	3.1	--	3.1
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	21	23.8%	16	0.042	0.14	1.16	2.24	5	5.1	5	2.7	3.45	4.7	5.42	7.75	8.7
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	21	28.6%	15	0.059	0.18	0.94	2.91	5	13	6	3.7	4.45	10.5	10.2	14	20
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	21	71.4%	6	0.084	0.119	0.29	0.269	0.385	0.46	15	0.58	1.8	4.2	11.8	20	52
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	21	19.0%	17	0.054	0.18	0.6	0.593	1	1.4	4	0.56	0.575	0.66	0.795	1.15	1.3
	Octachlorodibenzodioxin	pg/g	21	28.6%	15	0.14	1.7	2.6	5.18	10	10	6	8.3	10.3	21.5	32.1	48.5	98
	Octachlorodibenzofuran	pg/g	21	61.9%	8	0.64	0.888	1.7	3.84	8.7	10	13	13	25.5	68	117	245	350
	TCDD TEQ	pg/g	21	--[f]	--	--	--	--	--	--	--	21	0.28	0.825	6.5	7.99	12.2	33.2
General Chemistry	Ammonia	mg/kg	32	15.6%	27	0.79	0.8	0.81	0.813	0.82	0.84	5	0.49	0.5	0.83	0.946	1.45	1.5
	Bromide	mg/kg	32	25.0%	24	0.25	0.26	0.26	0.261	0.26	0.28	8	0.29	1.15	1.35	1.59	2.38	2.6
	Chlorate	mg/kg	32	0%	32	0.48	0.54	0.55	0.542	0.558	0.57	0	--	--	--	--	--	--
	Chloride	mg/kg	32	100%	0	--	--	--	--	--	--	32	2.7	9.95	34	85.6	90.2	395
	Cyanide, Total	mg/kg	32	34.4%	21	0.08	0.0825	0.083	0.0881	0.0855	0.11	11	0.17	0.19	0.2	0.223	0.26	0.33
	Fluoride	mg/kg	32	90.6%	3	0.1	0.1	0.1	0.103	0.11	0.11	29	0.23	0.755	1.4	1.6	2.4	4.4
	Nitrate	mg/kg	32	100%	0	--	--	--	--	--	--	32	0.75	1.6	4.05	19.4	13	165
	Nitrite	mg/kg	32	9.4%	29	0.02	0.021	0.021	0.0222	0.021	0.034	3	0.15	0.15	0.16	0.157	0.16	0.16
	Orthophosphate as P	mg/kg	32	21.9%	25	0.5	0.515	0.52	0.706	0.53	5.1	7	1	1.3	5.4	5.6	11.6	11.8
	Perchlorate	mg/kg	29	69.0%	9	0.0103	0.0105	0.0106	0.0106	0.0108	0.0108	20	0.0249	0.0472	0.119	0.325	0.312	3.03
	Sulfate	mg/kg	32	100%	0	--	--	--	--	--	--	32	11.4	30.2	92.3	203	191	2190
	Sulfide	mg/kg	32	9.4%	29	0.84	1.8	1.9	1.79	1.9	1.9	3	20.2	20.2	20.3	33.7	60.5	60.5
	Total Kjeldahl Nitrogen (TKN)	mg/kg	32	100%	0	--	--	--	--	--	--	32	22.9	50.6	84	119	154	647
Metals	Aluminum	mg/kg	32	100%	0	--	--	--	--	--	--	32	8250	9940	12200	12000	13200	18400
	Antimony	mg/kg	32	0%	32	0.126	0.126	0.176	0.193	0.252	0.315	0	--	--	--	--	--	--
	Arsenic	mg/kg	32	100%	0	--	--	--	--	--	--	32	2	2.68	3.65	4.15	5.53	9.5
	Barium	mg/kg	32	100%	0	--	--	--	--	--	--	32	155	211	247	257	273	490
	Beryllium	mg/kg	32	100%	0	--	--	--	--	--	--	32	0.53	0.575	0.65	0.654	0.718	0.84
	Boron	mg/kg	32	15.6%	27	2.99	6.6	6.6	8.01	13.2	16.5	5	4.8	5.3	6.8	7.28	9.5	9.9
	Cadmium	mg/kg	32	37.5%	20	0.04	0.04	0.04	0.052	0.08	0.08	12	0.11	0.12	0.14	0.184	0.25	0.37
	Calcium	mg/kg	32	100%	0	--	--	--	--	--	--	32	10900	15700	20700	25100	28500	92200
	Chromium (Total)	mg/kg	32	100%	0	--	--	--	--	--	--	32	7.7	9.73	12.3	12.6	14.2	19.7
	Chromium (VI)	mg/kg	32	53.1%	15	0.1	0.1	0.1	0.105	0.11	0.11	17	0.11	0.13	0.19	0.224	0.28	0.58
	Cobalt	mg/kg	32	100%	0	--	--	--	--	--	--	32	5.7	8.9	9.8	9.91	10.6	14.4
	Copper	mg/kg	32	100%	0	--	--	--	--	--	--	32	13	16.8	18.3	19.1	22.2	24.5
	Iron	mg/kg	32	100%	0	--	--	--	--	--	--	32	11100	16100	17700	17800	18900	23700
	Lead	mg/kg	32	100%	0	--	--	--	--	--	--	32	5.9	8.35	10.3	14.7	12.1	79.3
	Lithium	mg/kg	32	100%	0	--	--	--	--	--	--	32	8.5	10.7	12.1	12.5	13.9	21
	Magnesium	mg/kg	32	100%	0	--	--	--	--	--	--	32	5530	9240	9950	10100	10900	15400
	Manganese	mg/kg	32	100%	0	--	--	--	--	--	--	32	240	420	494	577	620	1800
	Mercury	mg/kg	28	28.6%	20	0.005	0.0115	0.0115	0.0102	0.0115	0.0115	8	0.011	0.0122	0.0181	0.0209	0.0265	0.0438
	Molybdenum	mg/kg	32	65.6%	11	0.2	0.2	0.376	0.296	0.376	0.376	21	0.29	0.38	0.48	0.678	0.675	2.3
	Nickel	mg/kg	32	100%	0	--	--	--	--	--	--	32	11.7	15.3	16.3	17	17.7	30.3
	Potassium	mg/kg	32	100%	0	--	--	--	--	--	--	32	863	1370	1810	1790	2210	2800
	Selenium	mg/kg	32	0%	32	0.16	0.16	0.32	5.45	0.4	24	0	--	--	--	--	--	--
	Silver	mg/kg	32	68.8%	10	0.044	0.044	0.088	0.0748	0.088	0.088	22	0.076	0.13	0.14	0.163	0.203	0.28
	Sodium	mg/kg	32	100%	0	--	--	--	--	--	--	32	332	520	659	680	829	1140

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq	Censored (Non-Detect) Data							Detected Data[a]						
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max
Metals	Strontium	mg/kg	32	100%	0	--	--	--	--	--	--	32	209	263	313	309	353	443
	Thallium	mg/kg	32	21.9%	25	0.105	0.3	0.3	0.345	0.6	0.6	7	0.25	0.28	0.36	0.517	0.86	0.96
	Tin	mg/kg	32	40.6%	19	0.3	0.3	0.6	0.529	0.75	0.75	13	0.41	0.435	0.48	0.678	0.935	1.3
	Titanium	mg/kg	32	100%	0	--	--	--	--	--	--	32	553	598	740	755	838	1270
	Tungsten	mg/kg	32	28.1%	23	0.185	0.5	0.5	0.562	1	1	9	0.25	0.29	0.56	1.39	2.95	4
	Uranium	mg/kg	32	100%	0	--	--	--	--	--	--	32	0.7	0.885	1.1	1.14	1.3	1.9
	Vanadium	mg/kg	32	100%	0	--	--	--	--	--	--	32	34.6	45.7	49.3	50.8	57.2	71.4
	Zinc	mg/kg	32	100%	0	--	--	--	--	--	--	32	25.1	39.1	45.1	49.8	54.8	106
OCPs	2,4-DDD	mg/kg	32	0%	32	0.00014	0.00031	0.00032	0.000421	0.00032	0.0032	0	--	--	--	--	--	--
	2,4-DDE	mg/kg	32	9.4%	29	0.00013	0.00021	0.00021	0.000294	0.00021	0.0021	3	0.0025	0.0025	0.0037	0.00443	0.0071	0.0071
	4,4-DDD	mg/kg	32	0%	32	0.00009	0.000093	0.0000935	0.000134	0.000096	0.00093	0	--	--	--	--	--	--
	4,4-DDE	mg/kg	32	21.9%	25	0.0002	0.0002	0.0002	0.000291	0.0002	0.002	7	0.002	0.0022	0.0068	0.00986	0.022	0.025
	4,4-DDT	mg/kg	32	12.5%	28	0.00021	0.00021	0.00021	0.000283	0.00021	0.0021	4	0.0046	0.0049	0.0119	0.0156	0.03	0.034
	Aldrin	mg/kg	32	0%	32	0.000092	0.0000973	0.000099	0.000138	0.0001	0.00099	0	--	--	--	--	--	--
	alpha-BHC	mg/kg	32	0%	32	0.000095	0.00029	0.00029	0.000383	0.0003	0.0029	0	--	--	--	--	--	--
	alpha-Chlordane	mg/kg	32	0%	32	0.0001	0.000213	0.00022	0.000292	0.00022	0.0022	0	--	--	--	--	--	--
	beta-BHC	mg/kg	32	6.3%	30	0.00013	0.00019	0.00019	0.000267	0.0002	0.0019	2	0.003	--	0.0065	0.0065	--	0.01
	Chlordane	mg/kg	32	3.1%	31	0.0015	0.0024	0.0024	0.00298	0.0025	0.024	1	0.031	--	0.031	0.031	--	0.031
	delta-BHC	mg/kg	32	0%	32	0.00011	0.00017	0.00017	0.000234	0.00018	0.0017	0	--	--	--	--	--	--
	Dieldrin	mg/kg	32	0%	32	0.000092	0.000095	0.0000955	0.000134	0.000097	0.00095	0	--	--	--	--	--	--
	Endosulfan I	mg/kg	32	0%	32	0.000096	0.00011	0.00011	0.000152	0.00011	0.0011	0	--	--	--	--	--	--
	Endosulfan II	mg/kg	32	0%	32	0.000094	0.000097	0.000098	0.00014	0.0001	0.00097	0	--	--	--	--	--	--
	Endosulfan sulfate	mg/kg	32	0%	32	0.00013	0.00027	0.00027	0.000363	0.00028	0.0027	0	--	--	--	--	--	--
	Endrin	mg/kg	32	0%	32	0.000084	0.000086	0.000087	0.000126	0.0000898	0.00087	0	--	--	--	--	--	--
	Endrin aldehyde	mg/kg	32	0%	32	0.00015	0.00018	0.00019	0.000259	0.00019	0.0019	0	--	--	--	--	--	--
	Endrin ketone	mg/kg	32	0%	32	0.00013	0.00017	0.00017	0.000233	0.00017	0.0017	0	--	--	--	--	--	--
	gamma-BHC (Lindane)	mg/kg	32	0%	32	0.0001	0.00013	0.00013	0.000178	0.00013	0.0013	0	--	--	--	--	--	--
	gamma-Chlordane	mg/kg	32	0%	32	0.000084	0.000086	0.000087	0.000122	0.000088	0.00087	0	--	--	--	--	--	--
	Heptachlor	mg/kg	32	0%	32	0.000096	0.00018	0.00018	0.00024	0.00018	0.0018	0	--	--	--	--	--	--
	Heptachlor epoxide	mg/kg	32	0%	32	0.00012	0.00013	0.00014	0.000192	0.00014	0.0014	0	--	--	--	--	--	--
	Methoxychlor	mg/kg	32	0%	32	0.00032	0.00033	0.00033	0.000464	0.00034	0.0033	0	--	--	--	--	--	--
	Toxaphene	mg/kg	32	0%	32	0.0057	0.006	0.0061	0.00845	0.0061	0.06	0	--	--	--	--	--	--
PAHs	Acenaphthene	mg/kg	29	3.4%	28	0.00169	0.00171	0.00176	0.00175	0.00178	0.00182	1	0.0038	--	0.0038	0.0038	--	0.0038
	Acenaphthylene	mg/kg	29	3.4%	28	0.00169	0.00172	0.00176	0.00175	0.00178	0.00182	1	0.00315	--	0.00315	0.00315	--	0.00315
	Anthracene	mg/kg	29	6.9%	27	0.00169	0.00171	0.00176	0.00175	0.00178	0.00182	2	0.00375	--	0.00436	0.00436	--	0.00496
	Benzo(a)anthracene	mg/kg	29	20.7%	23	0.00169	0.00173	0.00176	0.00176	0.00178	0.00181	6	0.00206	0.00207	0.00691	0.00768	0.013	0.0162
	Benzo(a)pyrene	mg/kg	29	20.7%	23	0.00169	0.00171	0.00176	0.00175	0.00178	0.00181	6	0.00176	0.00322	0.00995	0.00876	0.0132	0.0144
	Benzo(b)fluoranthene	mg/kg	29	24.1%	22	0.00169	0.00171	0.00177	0.00176	0.00178	0.00181	7	0.00196	0.00311	0.00974	0.0187	0.0344	0.0576
	Benzo(g,h,i)perylene	mg/kg	29	20.7%	23	0.00169	0.00171	0.00176	0.00175	0.00178	0.00181	6	0.00248	0.00349	0.0396	0.0392	0.0735	0.0772
	Benzo(k)fluoranthene	mg/kg	29	13.8%	25	0.00169	0.00171	0.00176	0.00175	0.00178	0.00181	4	0.00239	0.00331	0.00635	0.00554	0.00695	0.00705
	Chrysene	mg/kg	29	20.7%	23	0.00169	0.00171	0.00178	0.00288	0.00179	0.015	6	0.00374	0.0102	0.0193	0.0219	0.0377	0.0394
	Dibenzo(a,h)anthracene	mg/kg	29	0%	29	0.00169	0.00171	0.00176	0.00175	0.00178	0.00182	0	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	mg/kg	29	20.7%	23	0.00169	0.00171	0.00176	0.00175	0.00178	0.00181	6	0.00183	0.00259	0.0352	0.0373	0.0722	0.0786
	Phenanthrene	mg/kg	29	10.3%	26	0.00169	0.00171	0.00176	0.00175	0.00178	0.00181	3	0.00542	0.00542	0.0172	0.015	0.0225	0.0225
	Pyrene	mg/kg	29	20.7%	23	0.00169	0.00171	0.00176	0.00175	0.00178	0.00181	6	0.002	0.00274	0.0135	0.0153	0.0272	0.0356
PCBs	PCB 105	pg/g	20	80.0%	4	2	2.03	2.1	2.7	3.98	4.6	16	2.3	8.03	44.5	86.9	175	260
	PCB 114	pg/g	20	50.0%	10	2	2	2	2.04	2.1	2.1	10	2.3	2.8	9.3	9.57	14	20
	PCB 118	pg/g	20	80.0%	4	2.1	2.43	5.4	5.4	8.38	8.7	16	3.3	17.5	89.5	154	290	430
	PCB 123	pg/g	20	0%	20	2	2	2.05	2.06	2.1	2.2	0	--	--	--	--	--	--
	PCB 126	pg/g	20	40.0%	12	2	2	2	2.04	2.1	2.1	8	3.3	3.73	4.9	5.78	6.25	13
	PCB 156	pg/g	20	60.0%	8	2	2	2.05	2.05	2.1	2.1	12	2.8	7.65	29.5	30.3	46.8	90
	PCB 157	pg/g	20	45.0%	11	2	2	2	2.05	2.1	2.1	9	2	5.15	7.7	10.5	12	33
	PCB 167	pg/g	20	55.0%	9	2	2	2	2.04	2.1	2.1	11	2.2	3.9	11	15.4	20	55
	PCB 169	pg/g	20	5.0%	19	2	2	2	2.05	2.1	2.2	1	2.8	--	2.8	2.8	--	2.8
	PCB 189	pg/g	20	40.0%	12	2	2	2	2.04	2.1	2.1	8	2.9	4.23	5.1	9.3	9.2	36
	PCB 209	pg/g	20	75.0%	5	2	2	2.1	2.06	2.1	2.1	15	48	110	570	1150	1800	6600
	PCB 77	pg/g	20	0%	20	2	2	2.05	2.06	2.1	2.2	0	--	--	--	--	--	--
	PCB 81	pg/g	20	0%	20	2	2	2.05	2.06	2.1	2.2	0	--	--	--	--	--	--

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

					Censored (Non-Detect) Data							Detected Data[a]						
Parameter of Interest	Compound List	Units	Total Count	Detect Freq	Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max
Radio-nuclides[g]	Radium-226	pCi/g	31	93.5%	2	--	--	--	--	--	--	29	0.154	0.75	0.88	0.952	1.19	1.8
	Radium-228	pCi/g	31	100%	0	--	--	--	--	--	--	31	1.09	1.38	1.78	1.83	2.24	2.98
	Thorium-228	pCi/g	31	100%	0	--	--	--	--	--	--	31	1.3	1.42	1.66	1.69	1.92	2.23
	Thorium-230	pCi/g	31	87.1%	4	--	--	--	--	--	--	27	0.668	0.942	1.04	1.06	1.13	1.74
	Thorium-232	pCi/g	31	100%	0	--	--	--	--	--	--	31	0.893	1.14	1.38	1.52	1.77	2.67
	Uranium-233/234	pCi/g	31	96.8%	1	--	--	--	--	--	--	30	0.629	0.839	1.03	1.05	1.23	1.67
	Uranium-235/236	pCi/g	31	12.9%	27	--	--	--	--	--	--	4	-0.19	#NUM!	0.054	0.0701	0.178	0.246
	Uranium-238	pCi/g	31	100%	0	--	--	--	--	--	--	31	0.534	0.788	0.972	0.972	1.15	1.35
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	1,2-Diphenylhydrazine	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	1,4-Dioxane	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2,2'-Dichlorobenzil	mg/kg	29	0%	29	0.0116	0.113	0.115	0.105	0.118	0.12	0	--	--	--	--	--	--
	2,4,5-Trichlorophenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2,4,6-Trichlorophenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2,4-Dichlorophenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2,4-Dimethylphenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2,4-Dinitrophenol	mg/kg	29	0%	29	0.128	0.13	0.134	0.133	0.136	0.138	0	--	--	--	--	--	--
	2,4-Dinitrotoluene	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	2,6-Dinitrotoluene	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	2-Chloronaphthalene	mg/kg	29	0%	29	0.0118	0.012	0.0123	0.0123	0.0125	0.0128	0	--	--	--	--	--	--
	2-Chlorophenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2-Methylnaphthalene	mg/kg	29	3.4%	28	0.00676	0.00684	0.00705	0.00701	0.00714	0.00729	1	0.0142	--	0.0142	0.0142	--	0.0142
	2-Nitroaniline	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	2-Nitrophenol	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	3,3-Dichlorobenzidine	mg/kg	29	0%	29	0.101	0.103	0.106	0.105	0.107	0.109	0	--	--	--	--	--	--
	3-Nitroaniline	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	4-Chloro-3-methylphenol	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	4-Chlorothioanisole	mg/kg	29	0%	29	0.0396	0.113	0.115	0.108	0.118	0.12	0	--	--	--	--	--	--
	4-Nitroaniline	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Acetophenone	mg/kg	29	3.4%	28	0.0338	0.0342	0.0352	0.035	0.0357	0.0361	1	0.0453	--	0.0453	0.0453	--	0.0453
	Aniline	mg/kg	29	0%	29	0.118	0.12	0.123	0.123	0.125	0.128	0	--	--	--	--	--	--
	Benzenethiol	mg/kg	29	0%	29	0.112	0.114	0.116	0.128	0.119	0.235	0	--	--	--	--	--	--
	Benzoic acid	mg/kg	29	0%	29	0.169	0.171	0.176	0.175	0.178	0.182	0	--	--	--	--	--	--
	Benzyl alcohol	mg/kg	29	0%	29	0.101	0.103	0.106	0.105	0.107	0.109	0	--	--	--	--	--	--
	bis(2-Chloroethoxy)methane	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	bis(2-Chloroisopropyl) ether	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	29	3.4%	28	0.0676	0.0684	0.0705	0.0701	0.0714	0.0729	1	0.0877	--	0.0877	0.0877	--	0.0877
	bis(p-Chlorophenyl) sulfone	mg/kg	29	0%	29	0.00786	0.113	0.115	0.105	0.118	0.12	0	--	--	--	--	--	--
	bis(p-Chlorophenyl)disulfide	mg/kg	29	0%	29	0.0294	0.113	0.115	0.107	0.118	0.12	0	--	--	--	--	--	--
	Butylbenzyl phthalate	mg/kg	29	3.4%	28	0.0676	0.0684	0.0705	0.0701	0.0714	0.0729	1	0.0722	--	0.0722	0.0722	--	0.0722
	Carbazole	mg/kg	29	0%	29	0.0101	0.0103	0.0106	0.0105	0.0107	0.0109	0	--	--	--	--	--	--
	Dibenzofuran	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Dichloromethyl ether	mg/kg	29	0%	29	0.112	0.113	0.116	0.116	0.118	0.12	0	--	--	--	--	--	--
	Diethyl phthalate	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Dimethyl phthalate	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Di-n-butyl phthalate	mg/kg	29	0%	29	0.0338	0.0342	0.0352	0.0351	0.0357	0.0364	0	--	--	--	--	--	--
	Di-n-octyl phthalate	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Diphenyl disulfide	mg/kg	29	0%	29	0.0277	0.113	0.115	0.107	0.118	0.12	0	--	--	--	--	--	--
	Diphenyl sulfide	mg/kg	29	0%	29	0.0287	0.113	0.115	0.107	0.118	0.12	0	--	--	--	--	--	--
	Diphenyl sulfone	mg/kg	29	0%	29	0.0181	0.113	0.115	0.106	0.118	0.12	0	--	--	--	--	--	--
	Diphenylamine	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Fluoranthene	mg/kg	29	10.3%	26	0.0101	0.0103	0.0106	0.0105	0.0107	0.0108	3	0.0195	0.0195	0.0223	0.0247	0.0323	0.0323
	Fluorene	mg/kg	29	0%	29	0.0101	0.0103	0.0106	0.0105	0.0107	0.0109	0	--	--	--	--	--	--
	Hexachlorobenzene	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Hexachlorobutadiene	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

					Censored (Non-Detect) Data							Detected Data[a]						
Parameter of Interest	Compound List	Units	Total Count	Detect Freq	Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max
SVOCs	Hexachlorocyclopentadiene	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Hexachloroethane	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Hydroxymethyl phthalimide	mg/kg	29	0%	29	0.0509	0.113	0.115	0.109	0.118	0.12	0	--	--	--	--	--	--
	Isophorone	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	m,p-Cresols	mg/kg	29	0%	29	0.135	0.137	0.141	0.14	0.143	0.146	0	--	--	--	--	--	--
	Naphthalene	mg/kg	29	0%	29	0.0101	0.0103	0.0106	0.0105	0.0107	0.0109	0	--	--	--	--	--	--
	Nitrobenzene	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	N-nitrosodi-n-propylamine	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	o-Cresol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Octachlorostyrene	mg/kg	29	0%	29	0.0195	0.113	0.115	0.106	0.118	0.12	0	--	--	--	--	--	--
	p-Chloroaniline	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	p-Chlorobenzenethiol	mg/kg	29	0%	29	0.112	0.114	0.116	0.128	0.119	0.235	0	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Pentachlorophenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Phenol	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
	Phthalic acid	mg/kg	29	0%	29	0.0202	0.113	0.115	0.119	0.118	0.505	0	--	--	--	--	--	--
	Pyridine	mg/kg	29	0%	29	0.0676	0.0684	0.0704	0.0701	0.0714	0.0729	0	--	--	--	--	--	--
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	32	0%	32	0.00018	0.000183	0.00019	0.000218	0.00019	0.00041	0	--	--	--	--	--	--
	1,1,1-Trichloroethane	mg/kg	32	0%	32	0.00011	0.00011	0.00011	0.000131	0.00011	0.00025	0	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	mg/kg	32	0%	32	0.000079	0.000081	0.000082	0.00014	0.0000828	0.00048	0	--	--	--	--	--	--
	1,1,2-Trichloroethane	mg/kg	32	0%	32	0.000068	0.0000693	0.00007	0.000116	0.000071	0.00039	0	--	--	--	--	--	--
	1,1-Dichloroethane	mg/kg	32	0%	32	0.000071	0.0000723	0.000073	0.00012	0.000074	0.0004	0	--	--	--	--	--	--
	1,1-Dichloroethene	mg/kg	32	0%	32	0.00012	0.00012	0.00013	0.000144	0.00013	0.00025	0	--	--	--	--	--	--
	1,1-Dichloropropene	mg/kg	32	0%	32	0.000088	0.00009	0.000091	0.000112	0.000092	0.00024	0	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	32	0%	32	0.00039	0.0004	0.00041	0.000415	0.00041	0.00049	0	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	32	0%	32	0.00025	0.00026	0.00026	0.000297	0.000268	0.00052	0	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	mg/kg	32	0%	32	0.00031	0.00034	0.00034	0.000341	0.00035	0.00036	0	--	--	--	--	--	--
	1,2,4-Trimethylbenzene	mg/kg	32	3.1%	31	0.00014	0.00014	0.00014	0.000183	0.00014	0.00043	1	0.0051	--	0.0051	0.0051	--	0.0051
	1,2-Dichlorobenzene	mg/kg	32	0%	32	0.00012	0.00013	0.00013	0.000165	0.00013	0.00038	0	--	--	--	--	--	--
	1,2-Dichloroethane	mg/kg	32	0%	32	0.000067	0.0000683	0.000069	0.00011	0.00007	0.00035	0	--	--	--	--	--	--
	1,2-Dichloroethene	mg/kg	32	0%	32	0.00011	0.00011	0.00011	0.000193	0.00011	0.00067	0	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	32	0%	32	0.00011	0.00011	0.00012	0.000157	0.00012	0.0004	0	--	--	--	--	--	--
	1,3,5-Trichlorobenzene	mg/kg	32	0%	32	0.00037	0.00038	0.00039	0.000408	0.00039	0.00055	0	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	32	3.1%	31	0.000099	0.0001	0.0001	0.000125	0.0001	0.00027	1	0.00021	--	0.00021	0.00021	--	0.00021
	1,3-Dichlorobenzene	mg/kg	32	0%	32	0.00013	0.00014	0.00014	0.000187	0.00014	0.00047	0	--	--	--	--	--	--
	1,3-Dichloropropane	mg/kg	32	0%	32	0.000052	0.000053	0.000053	0.000111	0.000054	0.00044	0	--	--	--	--	--	--
	1,4-Dichlorobenzene	mg/kg	32	0%	32	0.00014	0.00014	0.00014	0.000168	0.00014	0.00033	0	--	--	--	--	--	--
	2,2,3-Trimethylbutane	mg/kg	32	0%	32	0.00021	0.00022	0.00022	0.000269	0.00022	0.00057	0	--	--	--	--	--	--
	2,2-Dichloropropane	mg/kg	32	0%	32	0.00024	0.00024	0.00024	0.000253	0.00025	0.00033	0	--	--	--	--	--	--
	2,2-Dimethylpentane	mg/kg	32	0%	32	0.00028	0.000283	0.00029	0.000327	0.00029	0.00057	0	--	--	--	--	--	--
	2,3-Dimethylpentane	mg/kg	32	0%	32	0.00023	0.00023	0.00023	0.000267	0.00024	0.00047	0	--	--	--	--	--	--
	2,4-Dimethylpentane	mg/kg	32	0%	32	0.0002	0.0002	0.0002	0.000247	0.0002	0.00052	0	--	--	--	--	--	--
	2-Chlorotoluene	mg/kg	32	0%	32	0.00025	0.00026	0.00026	0.000272	0.00026	0.00036	0	--	--	--	--	--	--
	2-Hexanone	mg/kg	32	0%	32	0.00024	0.00025	0.00025	0.000253	0.00025	0.0003	0	--	--	--	--	--	--
	2-Methylhexane	mg/kg	32	0%	32	0.00021	0.00021	0.00021	0.000259	0.000218	0.00054	0	--	--	--	--	--	--
	2-Nitropropane	mg/kg	32	0%	32	0.00032	0.000613	0.00063	0.000581	0.00063	0.00065	0	--	--	--	--	--	--
	3,3-Dimethylpentane	mg/kg	32	0%	32	0.00021	0.00021	0.00021	0.000254	0.000218	0.00051	0	--	--	--	--	--	--
	3-Ethylpentane	mg/kg	32	0%	32	0.00021	0.00022	0.00022	0.000257	0.00022	0.00048	0	--	--	--	--	--	--
	3-Methylhexane	mg/kg	32	0%	32	0.00014	0.000143	0.00015	0.000198	0.00015	0.0005	0	--	--	--	--	--	--
	4-Chlorotoluene	mg/kg	32	0%	32	0.00017	0.00018	0.00018	0.000191	0.00018	0.00027	0	--	--	--	--	--	--
	4-Methyl-2-pentanone (MIBK)	mg/kg	32	0%	32	0.00029	0.0003	0.0003	0.000302	0.000308	0.00033	0	--	--	--	--	--	--
	Acetone	mg/kg	32	53.1%	15	0.0017	0.0018	0.0018	0.00274	0.0018	0.0066	17	0.0028	0.0078	0.013	0.0162	0.021	0.055
	Acetonitrile	mg/kg	32	0%	32	0.0035	0.00553	0.0056	0.00533	0.0057	0.0059	0	--	--	--	--	--	--
	Benzene	mg/kg	32	0%	32	0.000088	0.00009	0.000091	0.000129	0.000092	0.00035	0	--	--	--	--	--	--
	Bromobenzene	mg/kg	32	0%	32	0.00012	0.00013	0.00013	0.000168	0.00013	0.0004	0	--	--	--	--	--	--
	Bromodichloromethane	mg/kg	32	0%	32	0.00022	0.00022	0.00022	0.000238	0.00023	0.00034	0	--	--	--	--	--	--
	Bromoform	mg/kg	32	0%	32	0.00006	0.000061	0.000062	0.000118	0.0000628	0.00044	0	--	--	--	--	--	--
	Bromomethane	mg/kg	32	0%	32	0.00013	0.000133	0.00014	0.000179	0.00014	0.00043	0	--	--	--	--	--	--
	Carbon disulfide	mg/kg	32	0%	32	0.00012	0.00013	0.00013	0.000152	0.00013	0.0003	0	--	--	--	--	--	--

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq	Censored (Non-Detect) Data							Detected Data[a]						
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max
VOCs	Carbon tetrachloride	mg/kg	32	0%	32	0.00021	0.00021	0.000215	0.000229	0.00022	0.00033	0	--	--	--	--	--	--
	Chlorobenzene	mg/kg	32	0%	32	0.00011	0.00011	0.00011	0.000141	0.00011	0.00032	0	--	--	--	--	--	--
	Chlorobromomethane	mg/kg	32	0%	32	0.00023	0.00023	0.00024	0.000268	0.00024	0.00047	0	--	--	--	--	--	--
	Chloroethane	mg/kg	32	0%	32	0.00031	0.00047	0.00048	0.000456	0.000488	0.0005	0	--	--	--	--	--	--
	Chloroform	mg/kg	32	0%	32	0.0001	0.0001	0.0001	0.000144	0.00011	0.00038	0	--	--	--	--	--	--
	Chloromethane	mg/kg	32	0%	32	0.00027	0.00028	0.00028	0.000279	0.00028	0.00029	0	--	--	--	--	--	--
	cis-1,2-Dichloroethene	mg/kg	32	0%	32	0.000055	0.000056	0.000057	0.000101	0.000057	0.00036	0	--	--	--	--	--	--
	cis-1,3-Dichloropropene	mg/kg	32	0%	32	0.0001	0.0001	0.0001	0.000125	0.00011	0.00025	0	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	mg/kg	32	0%	32	0.00013	0.00013	0.00013	0.000151	0.00013	0.00028	0	--	--	--	--	--	--
	Dibromochloromethane	mg/kg	32	0%	32	0.00012	0.00012	0.00012	0.000148	0.000128	0.00031	0	--	--	--	--	--	--
	Dibromochloropropane	mg/kg	32	0%	32	0.00021	0.00022	0.00022	0.000281	0.00022	0.00064	0	--	--	--	--	--	--
	Dibromomethane	mg/kg	32	0%	32	0.00017	0.00017	0.00017	0.000201	0.00018	0.00037	0	--	--	--	--	--	--
	Dichloromethane	mg/kg	32	9.4%	29	0.00071	0.0035	0.0078	0.0075	0.00945	0.024	3	0.0052	0.0052	0.0093	0.0085	0.011	0.011
	Dimethyldisulfide	mg/kg	32	0%	32	0.00018	0.00018	0.00018	0.00023	0.00019	0.00051	0	--	--	--	--	--	--
	Ethanol	mg/kg	32	0%	32	0.048	0.049	0.05	0.0515	0.05	0.066	0	--	--	--	--	--	--
	Ethylbenzene	mg/kg	32	3.1%	31	0.000059	0.00006	0.000061	0.0000985	0.000062	0.00031	1	0.00027	--	0.00027	0.00027	--	0.00027
	Freon-11 (Trichlorofluoromethane)	mg/kg	32	3.1%	31	0.00022	0.00023	0.00023	0.000243	0.00023	0.00033	1	0.00031	--	0.00031	0.00031	--	0.00031
	Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroet	mg/kg	32	0%	32	0.00015	0.00015	0.00015	0.000167	0.00015	0.00027	0	--	--	--	--	--	--
	Freon-12 (Dichlorodifluoromethane)	mg/kg	32	0%	32	0.00025	0.0003	0.0003	0.000294	0.0003	0.00031	0	--	--	--	--	--	--
	Heptane	mg/kg	32	0%	32	0.00017	0.00017	0.00017	0.000204	0.00017	0.0004	0	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	32	0%	32	0.0001	0.00011	0.00011	0.000138	0.00011	0.0003	0	--	--	--	--	--	--
	m,p-Xylenes	mg/kg	32	3.1%	31	0.00017	0.00017	0.00017	0.000219	0.00018	0.00049	1	0.00055	--	0.00055	0.00055	--	0.00055
	Methyl ethyl ketone	mg/kg	32	6.3%	30	0.00057	0.00089	0.000905	0.000873	0.00091	0.00094	2	0.004	--	0.00425	0.00425	--	0.0045
	Methyl iodide	mg/kg	32	0%	32	0.00013	0.00013	0.00013	0.000171	0.00013	0.00041	0	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	32	0%	32	0.00009	0.0000923	0.000093	0.000153	0.000094	0.0005	0	--	--	--	--	--	--
	n-Butyl benzene	mg/kg	32	0%	32	0.00018	0.00019	0.00019	0.000207	0.00019	0.00032	0	--	--	--	--	--	--
	Nonanal	mg/kg	32	0%	32	0.00036	0.00048	0.00049	0.00047	0.00049	0.00051	0	--	--	--	--	--	--
	n-Propylbenzene	mg/kg	32	0%	32	0.00011	0.00011	0.00011	0.000138	0.00012	0.00029	0	--	--	--	--	--	--
	o-Xylene	mg/kg	32	3.1%	31	0.000077	0.000079	0.00008	0.000105	0.000081	0.00025	1	0.00025	--	0.00025	0.00025	--	0.00025
	sec-Butylbenzene	mg/kg	32	0%	32	0.00011	0.00011	0.00011	0.000145	0.00011	0.00035	0	--	--	--	--	--	--
	Styrene	mg/kg	32	0%	32	0.00018	0.00018	0.00018	0.000186	0.00018	0.00022	0	--	--	--	--	--	--
	tert-Butyl benzene	mg/kg	32	0%	32	0.0001	0.0001	0.0001	0.000123	0.00011	0.00024	0	--	--	--	--	--	--
	Tetrachloroethene	mg/kg	32	0%	32	0.000088	0.00009	0.000091	0.000151	0.000092	0.0005	0	--	--	--	--	--	--
	Toluene	mg/kg	32	3.1%	31	0.00024	0.00033	0.00034	0.000323	0.00034	0.00035	1	0.00048	--	0.00048	0.00048	--	0.00048
	trans-1,2-Dichloroethene	mg/kg	32	0%	32	0.000091	0.0000933	0.000094	0.000133	0.000095	0.00036	0	--	--	--	--	--	--
	trans-1,3-Dichloropropene	mg/kg	32	0%	32	0.0001	0.0001	0.0001	0.000116	0.00011	0.00019	0	--	--	--	--	--	--
	Trichloroethene	mg/kg	32	0%	32	0.00011	0.00011	0.00011	0.000135	0.00011	0.00028	0	--	--	--	--	--	--
	Vinyl acetate	mg/kg	32	0%	32	0.00024	0.00025	0.00025	0.000272	0.00025	0.00041	0	--	--	--	--	--	--
	Vinyl chloride	mg/kg	32	0%	32	0.00011	0.00012	0.00012	0.000152	0.00012	0.00035	0	--	--	--	--	--	--
	Xylenes (total)	mg/kg	32	3.1%	31	0.00023	0.00024	0.00024	0.000307	0.00025	0.00069	1	0.00079	--	0.00079	0.00079	--	0.00079

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WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Outdoor Worker BCL	Count of Detects > BCL	LBCL (DAF = 1)	Count of Detects > LBCL (1)	LBCL (DAF = 20)	Count of Detects > LBCL (20)	Above Bkgrd?[b]	Non-Cancer-Based Outdoor Worker BCL	Cancer-Based Outdoor Worker BCL	Non-Cancer Hazard Index[c]	Incremental Lifetime Cancer Risk[d]
Asbestos[e]	Chrysotile	Structures	--	--	--	--	--	--	--	--	--	--	See Table 6
	Amphibole	Structures	--	--	--	--	--	--	--	--	--	--	
Aldehydes	Acetaldehyde	mg/kg	25.9	--	--	--	--	--	--	183	25.9	--	--
	Formaldehyde	mg/kg	41.6	0	--	--	--	--	--	136000	41.6	0.000015	5 E-8
Dioxins/ Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	Octachlorodibenzodioxin	pg/g	--	--	--	--	--	--	--	--	--	--	--
	Octachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/g	1000	0	--	--	--	--	--	--	1000	--	3 E-8
General Chemistry	Ammonia	mg/kg	100000	0	--	--	--	--	--	195000000	--	7.7E-09	--
	Bromide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Chlorate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Cyanide, Total	mg/kg	13700	0	2	0	40	0	--	13,700	--	0.000024	--
	Fluoride	mg/kg	41000	0	--	--	--	--	--	41,000	--	0.00011	--
	Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Nitrite	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Orthophosphate as P	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Perchlorate	mg/kg	795	0	--	--	--	--	--	795	--	0.0038	--
	Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Total Kjeldahl Nitrogen (TKN)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals	Aluminum	mg/kg	100000	0	75	32	1500	32	YES	1020000	--	0.018	--
	Antimony	mg/kg	454	--	0.3	--	6	--	NO	454	--	--	--
	Arsenic	mg/kg	1.77	32	1	32	20	0	NO	282	1.77	--	--
	Barium	mg/kg	100000	0	82	32	1640	0	YES	184000	--	0.0027	--
	Beryllium	mg/kg	2150	0	3	0	60	0	YES	2150	2270	0.00039	4 E-10
	Boron	mg/kg	100000	0	23.4	0	467	0	NO	226,000	--	--	--
	Cadmium	mg/kg	553	0	0.4	0	8	0	YES	553	3030	0.00067	1 E-10
	Calcium	mg/kg	--	--	--	--	--	--	NO	--	--	--	--
	Chromium (Total)	mg/kg	100000	0	2	32	40	0	YES	--	100000	--	2 E-10
	Chromium (VI)	mg/kg	454	0	2	0	40	0	YES	2,800	454	0.00021	1 E-9
	Cobalt	mg/kg	331	0	33	0	660	0	YES	331	606	0.044	2 E-8
	Copper	mg/kg	42200	0	35.2	0	704	0	YES	42200	--	0.00058	--
	Iron	mg/kg	100000	0	7.56	32	151	32	YES	795,000	--	0.030	--
	Lead	mg/kg	800	0	--	--	--	--	YES	800	--	0.099	--
	Lithium	mg/kg	2270	0	--	--	--	--	NO	2270	--	--	--
	Magnesium	mg/kg	100000	0	649	32	13000	1	NO	3880000	--	--	--
	Manganese	mg/kg	13700	0	3.26	32	65.2	32	YES	13,700	--	0.13	--
	Mercury	mg/kg	182	0	0.104	0	2.09	0	NO	182	--	--	--
	Molybdenum	mg/kg	5680	0	3.64	0	72.7	0	NO	5680	--	--	--
	Nickel	mg/kg	20100	0	7	32	140	0	NO	20100	--	--	--
	Potassium	mg/kg	--	--	--	--	--	--	NO	--	--	--	--
	Selenium	mg/kg	5680	--	0.3	--	6	--	NO	5,680	--	--	--
	Silver	mg/kg	5680	0	2	0	40	0	NO	5,680	--	--	--
	Sodium	mg/kg	--	--	--	--	--	--	YES	--	--	--	--

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Outdoor Worker BCL	Count of Detects > BCL	LBCL (DAF = 1)	Count of Detects > LBCL (1)	LBCL (DAF = 20)	Count of Detects > LBCL (20)	Above Bkgrd?[b]	Non-Cancer-Based Outdoor Worker BCL	Cancer-Based Outdoor Worker BCL	Non-Cancer Hazard Index[c]	Incremental Lifetime Cancer Risk[d]
Metals	Strontium	mg/kg	100000	0	--	--	--	--	YES	681000	--	0.00065	--
	Thallium	mg/kg	79.5	0	0.4	3	8	0	NO	79.5	--	--	--
	Tin	mg/kg	100000	0	--	--	--	--	NO	681000	--	--	--
	Titanium	mg/kg	100000	0	150000	0	3000000	0	YES	4,540,000	--	0.00028	--
	Tungsten	mg/kg	8510	0	41.2	0	823	0	YES	8510	--	0.00047	--
	Uranium	mg/kg	3390	0	13.5	0	270	0	NO	3390	--	--	--
	Vanadium	mg/kg	5680	0	300	0	6000	0	YES	5680	--	0.013	--
	Zinc	mg/kg	100000	0	620	0	12400	0	YES	341000	--	0.00031	--
OCPs	2,4-DDD	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	2,4-DDE	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4,4-DDD	mg/kg	11.1	--	0.8	--	16	--	--	--	11.1	--	--
	4,4-DDE	mg/kg	7.8	0	3	0	60	0	--	--	7.8	--	3 E-9
	4,4-DDT	mg/kg	7.8	0	2	0	40	0	--	474	7.8	0.000072	4 E-9
	Aldrin	mg/kg	0.113	--	0.02	--	0.4	--	--	20.5	0.113	--	--
	alpha-BHC	mg/kg	0.399	--	0.00003	--	0.0006	--	--	7190	0.399	--	--
	alpha-Chlordane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	mg/kg	1.4	0	0.0001	2	0.002	2	--	--	1.4	--	7 E-9
	Chlordane	mg/kg	7.19	0	0.5	0	10	0	--	449	7.19	0.000069	4 E-9
	delta-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	mg/kg	0.12	--	0.0002	--	0.004	--	--	34.2	0.12	--	--
	Endosulfan I	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Endrin	mg/kg	205	--	0.05	--	1	--	--	205	--	--	--
	Endrin aldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC (Lindane)	mg/kg	1.93	--	0.0005	--	0.01	--	--	269	1.93	--	--
	gamma-Chlordane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	mg/kg	0.426	--	1	--	20	--	--	342.00	0.426	--	--
	Heptachlor epoxide	mg/kg	0.21	--	0.03	--	0.6	--	--	8.89	0.21	--	--
	Methoxychlor	mg/kg	3420	--	8	--	160	--	--	3,420	--	--	--
	Toxaphene	mg/kg	1.74	--	2	--	40	--	--	--	1.74	--	--
PAHs	Acenaphthene	mg/kg	68100	0	29	0	580	0	--	68,100	--	0.000000056	--
	Acenaphthylene	mg/kg	147	0	--	--	--	--	--	34100	--	0.000000092	--
	Anthracene	mg/kg	100000	0	590	0	11800	0	--	341000	--	0.000000015	--
	Benzo(a)anthracene	mg/kg	2.34	0	0.08	0	1.6	0	--	--	2.34	--	7 E-9
	Benzo(a)pyrene	mg/kg	0.234	0	0.4	0	8	0	--	--	0.234	--	6 E-8
	Benzo(b)fluoranthene	mg/kg	2.34	0	0.2	0	4	0	--	--	2.34	--	2 E-8
	Benzo(g,h,i)perylene	mg/kg	34100	0	--	--	--	--	--	34100	--	0.0000023	--
	Benzo(k)fluoranthene	mg/kg	23.4	0	2	0	40	0	--	--	23.4	--	3 E-10
	Chrysene	mg/kg	234	0	8	0	160	0	--	--	234	--	2 E-10
	Dibenzo(a,h)anthracene	mg/kg	0.234	--	0.08	--	1.6	--	--	--	0.234	--	--
	Indeno(1,2,3-cd)pyrene	mg/kg	2.34	0	0.7	0	14	0	--	--	2.34	--	3 E-8
	Phenanthrene	mg/kg	24.5	0	--	--	--	--	--	34,100	--	0.00000066	--
	Pyrene	mg/kg	34100	0	210	0	4200	0	--	34100	--	0.0000010	--
PCBs	PCB 105	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 114	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 123	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/g	--	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/g	--	--	--	--	--	--	--	--	--	--	--

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Parameter of Interest	Compound List	Units	Outdoor Worker BCL	Count of Detects > BCL	LBCL (DAF = 1)	Count of Detects > LBCL (1)	LBCL (DAF = 20)	Count of Detects > LBCL (20)	Above Bkgrd?[b]	Non-Cancer-Based Outdoor Worker BCL	Cancer-Based Outdoor Worker BCL	Non-Cancer Hazard Index[c]	Incremental Lifetime Cancer Risk[d]
Radio-nuclides[g]	Radium-226	pCi/g	0.023	31	0.016	31	0.32	30	NO	--	0.023	--	--
	Radium-228	pCi/g	0.041	31	0.016	31	0.32	31	NO	--	0.041	--	--
	Thorium-228	pCi/g	0.025	31	0.0023	31	0.045	31	NO	--	0.025	--	--
	Thorium-230	pCi/g	8.3	0	0.00084	31	0.017	31	NO	--	8.3	--	--
	Thorium-232	pCi/g	7.4	0	0.0029	31	0.058	31	NO	--	7.4	--	--
	Uranium-233/234	pCi/g	11	0	--	--	--	--	NO	--	11	--	--
	Uranium-235/236	pCi/g	0.35	0	--	--	--	--	NO	--	0.35	--	--
	Uranium-238	pCi/g	1.4	0	--	--	--	--	NO	--	1.4	--	--
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/kg	205	--	--	--	--	--	--	205	--	--	--
	1,2-Diphenylhydrazine	mg/kg	2.39	--	--	--	--	--	--	--	2.39	--	--
	1,4-Dioxane	mg/kg	174	--	--	--	--	--	--	7010000000	174	--	--
	2,2'-Dichlorobenzil	mg/kg	341	--	0.0003	--	0.006	--	--	341	--	--	--
	2,4,5-Trichlorophenol	mg/kg	68400	--	14	--	280	--	--	68400	--	--	--
	2,4,6-Trichlorophenol	mg/kg	174	--	0.008	--	0.16	--	--	684	174	--	--
	2,4-Dichlorophenol	mg/kg	2050	--	0.05	--	1	--	--	2,050	--	--	--
	2,4-Dimethylphenol	mg/kg	13700	--	0.4	--	8	--	--	13700	--	--	--
	2,4-Dinitrophenol	mg/kg	1370	--	0.01	--	0.2	--	--	1370	--	--	--
	2,4-Dinitrotoluene	mg/kg	6.18	--	0.00004	--	0.0008	--	--	1,370	6.18	--	--
	2,6-Dinitrotoluene	mg/kg	684	--	0.00003	--	0.0006	--	--	684	--	--	--
	2-Chloronaphthalene	mg/kg	90800	--	--	--	--	--	--	90800	--	--	--
	2-Chlorophenol	mg/kg	5680	--	0.2	--	4	--	--	5680	--	--	--
	2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	mg/kg	2030	--	--	--	--	--	--	2030	--	--	--
	2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	mg/kg	4.26	--	0.0003	--	0.006	--	--	--	4.26	--	--
	3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	mg/kg	5470	--	--	--	--	--	--	5,470	--	--	--
	Acetophenone	mg/kg	1740	0	--	--	--	--	--	114000	--	0.00000040	--
	Aniline	mg/kg	336	--	--	--	--	--	--	4,780	336	--	--
	Benzenethiol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Benzoic acid	mg/kg	100000	--	20	--	400	--	--	2740000	--	--	--
	Benzyl alcohol	mg/kg	100000	--	--	--	--	--	--	342,000	--	--	--
	bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	mg/kg	0.616	--	0.00002	--	0.0004	--	--	--	0.616	--	--
	bis(2-Chloroisopropyl) ether	mg/kg	8.18	--	--	--	--	--	--	45400	8.18	--	--
	bis(2-Ethylhexyl) phthalate	mg/kg	137	0	180	0	3600	0	--	13700	137	0.0000064	6 E-10
	bis(p-Chlorophenyl) sulfone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl)disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Butylbenzyl phthalate	mg/kg	240	0	810	0	16200	0	--	137000	--	0.00000053	--
	Carbazole	mg/kg	95.8	--	0.03	--	0.6	--	--	--	95.8	--	--
	Dibenzofuran	mg/kg	2270	--	--	--	--	--	--	2270	--	--	--
	Dichloromethyl ether	mg/kg	0.000477	--	--	--	--	--	--	--	0.000477	--	--
	Diethyl phthalate	mg/kg	100000	--	--	--	--	--	--	547000	--	--	--
	Dimethyl phthalate	mg/kg	100000	--	--	--	--	--	--	6,840,000	--	--	--
	Di-n-butyl phthalate	mg/kg	68400	--	270	--	5400	--	--	68400	--	--	--
	Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	mg/kg	2050	--	--	--	--	--	--	2050	--	--	--
	Diphenylamine	mg/kg	17100	--	--	--	--	--	--	17,100	--	--	--
	Fluoranthene	mg/kg	24400	0	210	0	4200	0	--	24400	--	0.0000013	--
	Fluorene	mg/kg	45400	--	28	--	560	--	--	45400	--	--	--
	Hexachlorobenzene	mg/kg	1.2	--	0.1	--	2	--	--	547	1.2	--	--
	Hexachlorobutadiene	mg/kg	24.6	--	0.1	--	2	--	--	684	24.6	--	--

Parameter of Interest	Compound List	Units	Outdoor Worker BCL	Count of Detects > BCL	LBCL (DAF = 1)	Count of Detects > LBCL (1)	LBCL (DAF = 20)	Count of Detects > LBCL (20)	Above Bkgrd?[b]	Non-Cancer-Based Outdoor Worker BCL	Cancer-Based Outdoor Worker BCL	Non-Cancer Hazard Index[c]	Incremental Lifetime Cancer Risk[d]
SVOCs	Hexachlorocyclopentadiene	mg/kg	4060	--	20	--	400	--	--	4060	--	--	--
	Hexachloroethane	mg/kg	137	--	0.02	--	0.4	--	--	684	137	--	--
	Hydroxymethyl phthalimide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Isophorone	mg/kg	2020	--	0.03	--	0.6	--	--	137,000	2020	--	--
	m,p-Cresols	mg/kg	3420	--	--	--	--	--	--	3420	--	--	--
	Naphthalene	mg/kg	5.79	--	4	--	80	--	--	209	5.79	--	--
	Nitrobenzene	mg/kg	5.02	--	0.007	--	0.14	--	--	503	5.02	--	--
	N-nitrosodi-n-propylamine	mg/kg	0.274	--	0.000002	--	0.00004	--	--	--	0.274	--	--
	o-Cresol	mg/kg	34200	--	0.8	--	16	--	--	34200	--	--	--
	Octachlorostyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	p-Chloroaniline	mg/kg	2740	--	0.03	--	0.6	--	--	2740	--	--	--
	p-Chlorobenzenethiol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	mg/kg	547	--	--	--	--	--	--	547	--	--	--
	Pentachlorophenol	mg/kg	10	--	0.001	--	0.02	--	--	12900	10	--	--
	Phenol	mg/kg	100000	--	5	--	100	--	--	205000	--	--	--
	Phthalic acid	mg/kg	100000	--	--	--	--	--	--	2270000	--	--	--
	Pyridine	mg/kg	684	--	--	--	--	--	--	684	--	--	--
VOCs	1,1,1,2-Tetrachloroethane	mg/kg	7.59	--	--	--	--	--	--	34100	7.59	--	--
	1,1,1-Trichloroethane	mg/kg	1390	--	0.1	--	2	--	--	19300	--	--	--
	1,1,2,2-Tetrachloroethane	mg/kg	0.97	--	0.0002	--	0.004	--	--	4540	0.97	--	--
	1,1,2-Trichloroethane	mg/kg	2.08	--	0.0009	--	0.018	--	--	4540	2.08	--	--
	1,1-Dichloroethane	mg/kg	8	--	1	--	20	--	--	227000	8	--	--
	1,1-Dichloroethene	mg/kg	474	--	0.003	--	0.06	--	--	474	--	--	--
	1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	mg/kg	1.59	--	--	--	--	--	--	6810	1.59	--	--
	1,2,4-Trichlorobenzene	mg/kg	265	--	0.3	--	6	--	--	265	--	--	--
	1,2,4-Trimethylbenzene	mg/kg	224	0	--	--	--	--	--	224	--	0.000023	--
	1,2-Dichlorobenzene	mg/kg	373	--	0.9	--	18	--	--	3,630	--	--	--
	1,2-Dichloroethane	mg/kg	0.841	--	0.001	--	0.02	--	--	10,400	0.841	--	--
	1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	mg/kg	1.62	--	0.001	--	0.02	--	--	24	1.62	--	--
	1,3,5-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	mg/kg	78.3	0	--	--	--	--	--	78.3	--	0.0000027	--
	1,3-Dichlorobenzene	mg/kg	373	--	--	--	--	--	--	3410	--	--	--
	1,3-Dichloropropane	mg/kg	1130	--	0.001	--	0.02	--	--	22,700	--	--	--
	1,4-Dichlorobenzene	mg/kg	5.15	--	0.1	--	2	--	--	11300	5.15	--	--
	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	511	--	--	--	--	--	--	22,700	--	--	--
	2-Hexanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	2-Methylhexane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	2-Nitropropane	mg/kg	0.338	--	--	--	--	--	--	6490	0.338	--	--
	3,3-Dimethylpentane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	3-Ethylpentane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	3-Methylhexane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	4-Methyl-2-pentanone (MIBK)	mg/kg	17200	--	--	--	--	--	--	52,200	--	--	--
	Acetone	mg/kg	100000	0	0.8	0	16	0	--	391000	--	0.00000014	--
	Acetonitrile	mg/kg	2280	--	--	--	--	--	--	2280	--	--	--
	Benzene	mg/kg	1.58	--	0.002	--	0.04	--	--	132	1.58	--	--
	Bromobenzene	mg/kg	103	--	--	--	--	--	--	103	--	--	--
	Bromodichloromethane	mg/kg	51.3	--	0.03	--	0.6	--	--	22700	51.3	--	--
	Bromoform	mg/kg	242	--	0.04	--	0.8	--	--	13700	242	--	--
	Bromomethane	mg/kg	14.6	--	0.01	--	0.2	--	--	14.6	--	--	--
	Carbon disulfide	mg/kg	721	--	2	--	40	--	--	1340	--	--	--

TABLE 1
SOIL DATA AND SCREENING-LEVEL HEALTH RISK ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Outdoor Worker BCL	Count of Detects > BCL	LBCL (DAF = 1)	Count of Detects > LBCL (1)	LBCL (DAF = 20)	Count of Detects > LBCL (20)	Above Bkgrd?[b]	Non-Cancer-Based Outdoor Worker BCL	Cancer-Based Outdoor Worker BCL	Non-Cancer Hazard Index[c]	Incremental Lifetime Cancer Risk[d]
VOCs	Carbon tetrachloride	mg/kg	0.582	--	0.003	--	0.06	--	--	344	0.582	--	--
	Chlorobenzene	mg/kg	503	--	0.07	--	1.4	--	--	503	--	--	--
	Chlorobromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Chloroethane	mg/kg	1100	--	--	--	--	--	--	20500	1100	--	--
	Chloroform	mg/kg	0.577	--	0.03	--	0.6	--	--	449	0.577	--	--
	Chloromethane	mg/kg	2.98	--	--	--	--	--	--	173	2.98	--	--
	cis-1,2-Dichloroethene	mg/kg	1200	--	0.02	--	0.4	--	--	11400	--	--	--
	cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	mg/kg	2.3	--	0.02	--	0.4	--	--	22,700	2.3	--	--
	Dibromochloropropane	mg/kg	0.0196	--	--	--	--	--	--	8.15	0.0196	--	--
	Dibromomethane	mg/kg	11400	--	--	--	--	--	--	11,400	--	--	--
	Dichloromethane	mg/kg	22.3	0	0.001	3	0.02	0	--	4080	22.3	0.0000027	5 E-10
	Dimethyldisulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Ethanol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	mg/kg	7.37	0	0.7	0	14	0	--	6370	7.37	0.000000042	4 E-11
	Freon-11 (Trichlorofluoromethane)	mg/kg	1420	0	--	--	--	--	--	1420	--	0.00000022	--
	Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroet	mg/kg	5550	--	--	--	--	--	--	76600	--	--	--
	Freon-12 (Dichlorodifluoromethane)	mg/kg	340	--	--	--	--	--	--	343	--	--	--
	Heptane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	mg/kg	602	--	--	--	--	--	--	602	--	--	--
	m,p-Xylenes	mg/kg	214	0	10	0	200	0	--	4960	--	0.00000011	--
	Methyl ethyl ketone	mg/kg	34100	0	--	--	--	--	--	128000	--	0.000000035	--
	Methyl iodide	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	mg/kg	78.6	--	--	--	--	--	--	22400	78.6	--	--
	n-Butyl benzene	mg/kg	237	--	--	--	--	--	--	11400	--	--	--
	Nonanal	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	mg/kg	237	--	--	--	--	--	--	11400	--	--	--
	o-Xylene	mg/kg	282	0	9	0	180	0	--	5770	--	0.000000043	--
	sec-Butylbenzene	mg/kg	223	--	--	--	--	--	--	11400	--	--	--
	Styrene	mg/kg	1730	--	0.2	--	4	--	--	21400	--	--	--
	tert-Butyl benzene	mg/kg	393	--	--	--	--	--	--	11400	--	--	--
	Tetrachloroethene	mg/kg	1.74	--	0.003	--	0.06	--	--	1250	1.74	--	--
	Toluene	mg/kg	521	0	0.6	0	12	0	--	21900	--	0.000000022	--
	trans-1,2-Dichloroethene	mg/kg	204	--	0.03	--	0.6	--	--	204	--	--	--
	trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	mg/kg	3.39	--	0.003	--	0.06	--	--	341	3.39	--	--
	Vinyl acetate	mg/kg	1550	--	8	--	160	--	--	1550	--	--	--
	Vinyl chloride	mg/kg	0.863	--	0.0007	--	0.014	--	--	161	0.863	--	--
	Xylenes (total)	mg/kg	214	0	10	0	200	0	--	707	--	0.0000011	--
											Total Non-Cancer Hazard Index:	0.34	
											Total Incremental Lifetime Cancer Risk:		3 E-7

BCL = Basic Comparison Levels (BCLs) from NDEP 2009a. Values used are outdoor worker soil BCLs.
LBCL = Leaching-based BCLs from NDEP 2009a.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 3 significant figures.
a - 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 dataset.
b - Based on results of statistical comparison tests performed between shallow background and site datasets (see Table 4).
c - Non-cancer hazard indices were calculated by dividing the maximum detected value by its non-cancer BCL. The total non-cancer hazard index is the sum of all chemical-specific hazard indices.
d - Theoretical upper-bound incremental lifetime cancer risks were calculated by were calculated by dividing the maximum detected value by its cancer BCL times 1E-6. The total incremental lifetime cancer risk is the sum of all chemical-specific cancer risks.
e - Asbestos results shown are for long protocol structures (>10um).
f - TCDD TEQ values are calculated from congener-specific concentrations. An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
g - Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
-- = Not applicable or no value has been established.

TABLE 2
SURFACE FLUX DATA AND OUTDOOR AIR EVALUATION
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Analytical Method	Compound List	Total Count	Detect Freq	Censored (Non-Detect) Data - Surface Flux ($ug/m^2,min^{-1}$)							Detected Data - Surface Flux ($ug/m^2,min^{-1}$)[a]							Maximum Outdoor Air Concentration (ug/m^3)[b]	Ambient Air BCL (ug/m^3)	Count of Detects > BCL
				Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max			
TO-15/	1,1,1,2-Tetrachloroethane	7	0%	7	0.0866	0.0989	0.105	0.103	0.11	0.11	0	--	--	--	--	--	--	--	0.329	--
TO-15 SIM	1,1,1-Trichloroethane	7	0%	7	0.0785	0.0901	0.0959	0.0938	0.1	0.1	0	--	--	--	--	--	--	--	5210	--
	1,1,2,2-Tetrachloroethane	7	0%	7	0.00832	0.00859	0.00912	0.00895	0.00928	0.00928	0	--	--	--	--	--	--	--	0.042	--
	1,1,2-Trichloroethane	7	14.3%	6	0.00712	0.0693	0.0973	0.082	0.1	0.1	1	0.00196	--	0.00196	0.00196	--	0.00196	0.00039	0.152	0
	1,1-Dichloroethane	7	0%	7	0.0578	0.0662	0.0705	0.0691	0.0739	0.0739	0	--	--	--	--	--	--	--	1.52	--
	1,1-Dichloroethene	7	0%	7	0.0566	0.0666	0.0689	0.0679	0.0724	0.0724	0	--	--	--	--	--	--	--	209	--
	1,1-Dichloropropene	7	0%	7	0.0539	0.0616	0.0658	0.0644	0.0689	0.0689	0	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	7	14.3%	6	0.00585	0.006	0.00633	0.00626	0.00651	0.00651	1	0.0106	--	0.0106	0.0106	--	0.0106	0.0021	--	--
	1,2,4-Trichlorobenzene	7	0%	7	0.0371	0.0383	0.0407	0.0399	0.0413	0.0413	0	--	--	--	--	--	--	--	4.17	--
	1,2,4-Trimethylbenzene	7	0%	7	0.0835	0.0905	0.162	0.144	0.178	0.181	0	--	--	--	--	--	--	--	7.3	--
	1,2-Dibromoethane	7	14.3%	6	0.01	0.0994	0.14	0.118	0.144	0.144	1	0.00474	--	0.00474	0.00474	--	0.00474	0.00095	0.00406	0
	1,2-Dichlorobenzene	7	14.3%	6	0.00728	0.00748	0.00789	0.00781	0.00812	0.00812	1	0.00581	--	0.00581	0.00581	--	0.00581	0.0012	209	0
	1,2-Dichloroethane	7	28.6%	5	0.0673	0.0696	0.0742	0.0728	0.0754	0.0754	2	0.00108	--	0.00144	0.00144	--	0.00181	0.00036	0.0936	0
	1,2-Dichloropropane	7	0%	7	0.00601	0.00643	0.0819	0.0611	0.0858	0.0858	0	--	--	--	--	--	--	--	0.243	--
	1,3,5-Trimethylbenzene	7	0%	7	0.087	0.0939	0.169	0.15	0.185	0.188	0	--	--	--	--	--	--	--	6.26	--
	1,3-Dichlorobenzene	7	14.3%	6	0.00758	0.00776	0.0082	0.00812	0.00847	0.00847	1	0.00524	--	0.00524	0.00524	--	0.00524	0.0011	--	--
	1,3-Dichloropropane	7	0%	7	0.0543	0.062	0.0662	0.0648	0.0693	0.0693	0	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	7	14.3%	6	0.00728	0.00748	0.00789	0.00781	0.00812	0.00812	1	0.00593	--	0.00593	0.00593	--	0.00593	0.0012	0.221	0
	1,4-Dioxane	7	0%	7	0.0447	0.0524	0.0547	0.0536	0.057	0.057	0	--	--	--	--	--	--	--	0.316	--
	1-Propanol, 2-methyl-	7	0%	7	0.105	0.121	0.129	0.126	0.134	0.134	0	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	7	0%	7	0.595	0.681	0.726	0.711	0.76	0.76	0	--	--	--	--	--	--	--	--	--
	2-Hexanone	7	14.3%	6	0.0508	0.0563	0.061	0.06	0.0642	0.0651	1	0.0131	--	0.0131	0.0131	--	0.0131	0.0026	--	--
	4-Methyl-2-pentanone (MIBK)	7	0%	7	0.0531	0.0608	0.0651	0.0635	0.0678	0.0678	0	--	--	--	--	--	--	--	3130	--
	Acetone	7	100%	0	--	--	--	--	--	--	7	0.155	0.186	0.283	0.412	0.499	1.12	0.22	32300	0
	Acetonitrile	7	42.9%	4	0.0578	0.061	0.0724	0.0691	0.0739	0.0739	3	0.0485	0.0485	0.0512	0.0646	0.0939	0.0939	0.019	62.6	0
	Benzene	7	71.4%	2	0.0565	--	0.0575	0.0575	--	0.0585	5	0.0295	0.0315	0.0385	0.0448	0.0612	0.0616	0.012	0.312	0
	Benzyl chloride	7	14.3%	6	0.00477	0.00489	0.00516	0.00511	0.00531	0.00531	1	0.00554	--	0.00554	0.00554	--	0.00554	0.0011	1.04	0
	Bromodichloromethane	7	14.3%	6	0.0057	0.0663	0.0937	0.0788	0.0965	0.0965	1	0.00127	--	0.00127	0.00127	--	0.00127	0.00025	--	--
	Bromoform	7	0%	7	0.136	0.156	0.166	0.162	0.174	0.174	0	--	--	--	--	--	--	--	2.21	--
	Bromomethane	7	0%	7	0.057	0.0651	0.0697	0.068	0.0728	0.0728	0	--	--	--	--	--	--	--	5.21	--
	Carbon disulfide	7	28.6%	5	0.0501	0.0641	0.0955	0.0844	0.0991	0.0997	2	0.0412	--	0.0516	0.0516	--	0.062	0.012	730	0
	Carbon tetrachloride	7	28.6%	5	0.103	0.107	0.114	0.112	0.115	0.115	2	0.00447	--	0.00502	0.00502	--	0.00558	0.0011	0.162	0
	Chlorobenzene	7	0%	7	0.0662	0.0758	0.0809	0.0792	0.0847	0.0847	0	--	--	--	--	--	--	--	52.1	--
	Chlorobromomethane	7	0%	7	0.0643	0.0735	0.0785	0.0767	0.082	0.082	0	--	--	--	--	--	--	--	--	--
	Chloroethane	7	0%	7	0.0389	0.0443	0.0474	0.0463	0.0493	0.0493	0	--	--	--	--	--	--	--	10400	--
	Chloroform	7	42.9%	4	0.0804	0.0824	0.089	0.087	0.0896	0.0896	3	0.00385	0.00385	0.00635	0.0093	0.0177	0.0177	0.0036	0.106	0
	Chloromethane	7	28.6%	5	0.0296	0.0323	0.0362	0.0353	0.0377	0.0381	2	0.00963	--	0.0146	0.0146	--	0.0196	0.0039	1.35	0
	cis-1,2-Dichloroethene	7	0%	7	0.0578	0.0662	0.0705	0.0689	0.0735	0.0735	0	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	7	0%	7	0.0681	0.0778	0.0828	0.0811	0.0866	0.0866	0	--	--	--	--	--	--	--	--	--
	Cymene (Isopropyltoluene)	7	0%	7	0.141	0.161	0.172	0.168	0.18	0.18	0	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	7	14.3%	6	0.00785	0.00806	0.00849	0.00841	0.00874	0.00874	1	0.00185	--	0.00185	0.00185	--	0.00185	0.00037	0.0901	0
	Dibromochloropropane	7	0%	7	0.0253	0.0261	0.0278	0.0272	0.0282	0.0282	0	--	--	--	--	--	--	--	0.000406	--
	Dibromomethane	7	0%	7	0.0882	0.101	0.108	0.105	0.113	0.113	0	--	--	--	--	--	--	--	--	--
	Dichloromethane	7	85.7%	1	0.065	--	0.065	0.065	--	0.065	6	0.004	0.0134	0.0177	0.017	0.0216	0.0262	0.0053	5.18	0
	Ethanol	7	71.4%	2	0.0651	--	0.0722	0.0722	--	0.0793	5	0.0604	0.0853	0.134	0.171	0.274	0.306	0.061	--	--
	Ethylbenzene	7	0%	7	0.0639	0.0732	0.0778	0.0761	0.0812	0.0812	0	--	--	--	--	--	--	--	0.973	--
	Freon-11	7	14.3%	6	0.0824	0.0937	0.102	0.0992	0.105	0.105	1	0.0231	--	0.0231	0.0231	--	0.0231	0.0046	730	0
	Freon-113	7	0%	7	0.11	0.126	0.135	0.132	0.141	0.141	0	--	--	--	--	--	--	--	31300	--
	Freon-12	7	14.3%	6	0.0735	0.0836	0.0911	0.0883	0.0936	0.0936	1	0.0323	--	0.0323	0.0323	--	0.0323	0.0065	209	0
	Heptane	7	28.6%	5	0.0558	0.0566	0.0612	0.0597	0.062	0.062	2	0.0108	--	0.0119	0.0119	--	0.0131	0.0026	--	--
	Hexachlorobutadiene	7	14.3%	6	0.0134	0.0138	0.0146	0.0144	0.015	0.015	1	0.00839	--	0.00839	0.00839	--	0.00839	0.0017	0.111	0
	Isopropylbenzene	7	0%	7	0.0782	0.0843	0.151	0.134	0.166	0.168	0	--	--	--	--	--	--	--	417	--
	m,p-Xylenes	7	42.9%	4	0.126	0.133	0.157	0.15	0.161	0.161	3	0.0354	0.0354	0.037	0.0376	0.0404	0.0404	0.0081	730	0
	Methyl ethyl ketone	7	0%	7	0.0358	0.0408	0.0435	0.0427	0.0458	0.0458	0	--	--	--	--	--	--	--	5210	--
	Methyl iodide	7	0%	7	0.168	0.193	0.205	0.201	0.215	0.215	0	--	--	--	--	--	--	--	--	--
	MTBE (Methyl tert-butyl ether)	7	0%	7	0.0397	0.0466	0.0485	0.0476	0.0508	0.0508	0	--	--	--	--	--	--	--	9.36	--

TABLE 2
SURFACE FLUX DATA AND OUTDOOR AIR EVALUATION
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Analytical Method	Compound List	Total Count	Detect Freq	Censored (Non-Detect) Data - Surface Flux (ug/m^2,min^{-1})							Detected Data - Surface Flux (ug/m^2,min^{-1})[a]							Maximum Outdoor Air Concentration (ug/m^3)[b]	Ambient Air BCL (ug/m^3)	Count of Detects > BCL
				Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max			
TO-15/	Naphthalene	7	28.6%	5	0.0135	0.0139	0.0148	0.0145	0.015	0.015	2	0.00393	--	0.165	0.165	--	0.326	0.065	0.0716	0
TO-15 SIM	n-Butyl benzene	7	0%	7	0.142	0.163	0.174	0.17	0.182	0.182	0	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	7	0%	7	0.0689	0.0743	0.134	0.119	0.147	0.149	0	--	--	--	--	--	--	--	--	--
	o-Xylene	7	14.3%	6	0.0628	0.0694	0.0751	0.0738	0.0788	0.0797	1	0.0169	--	0.0169	0.0169	--	0.0169	0.0034	730	0
	sec-Butylbenzene	7	0%	7	0.141	0.161	0.172	0.168	0.18	0.18	0	--	--	--	--	--	--	--	--	--
	Styrene	7	0%	7	0.062	0.0712	0.0758	0.0742	0.0793	0.0793	0	--	--	--	--	--	--	--	1040	--
	tert-Butyl benzene	7	0%	7	0.0824	0.0889	0.16	0.142	0.176	0.178	0	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	7	42.9%	4	0.112	0.113	0.121	0.119	0.124	0.125	3	0.0104	0.0104	0.0159	0.02	0.0339	0.0339	0.0068	0.412	0
	Toluene	7	100%	0	--	--	--	--	--	--	7	0.0273	0.045	0.0689	0.0827	0.132	0.158	0.032	5210	0
	trans-1,2-Dichloroethene	7	0%	7	0.0489	0.0558	0.0597	0.0583	0.0624	0.0624	0	--	--	--	--	--	--	--	62.6	--
	trans-1,3-Dichloropropene	7	0%	7	0.0666	0.0762	0.0812	0.0796	0.0851	0.0851	0	--	--	--	--	--	--	--	--	--
	Trichloroethene	7	14.3%	6	0.00701	0.069	0.0969	0.0817	0.1	0.1	1	0.00924	--	0.00924	0.00924	--	0.00924	0.0019	1.22	0
	Vinyl acetate	7	14.3%	6	0.0427	0.0474	0.0531	0.0512	0.0547	0.0547	1	0.0254	--	0.0254	0.0254	--	0.0254	0.0051	209	0
	Vinyl chloride	7	0%	7	0.00331	0.00358	0.0458	0.0341	0.0477	0.0477	0	--	--	--	--	--	--	--	0.553	--

BCL = Basic Comparison Levels (BCLs) from NDEP 2009a. Values used are ambient air BCLs.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Values for Q1, median, mean, and Q3 are rounded to 3 significant figures. Maximum outdoor air concentration are rounded to 2 significant figures. BCLs are rounded to 3 significant figures.
a - 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 dataset.
b - Calculated value (see text).
-- = Not applicable or no value has been established.

TABLE 3
SPLP DATA SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 3)

Parameter of Interest	Compound List	Units	Total Count	Result	Residential Water BCL[c]	Count of Detects > BCL	MCL	Count of Detects > MCL
Aldehydes	Acetaldehyde	mg/L	1	< 0.0082 U	0.066	--	--	--
	Formaldehyde	mg/L	1	< 0.021 U	0.0015	--	--	--
General Chemistry	Ammonia	mg/L	1	< 0.0078 UJ	0.73	--	--	--
	Bromide	mg/L	1	< 0.025 UJ	--	--	--	--
	Chlorate	mg/L	1	< 0.053 UJ	--	--	--	--
	Chloride	mg/L	1	16 J	--	--	--	--
	Fluoride	mg/L	1	0.11 J	2.2	0	4	0
	Nitrite	mg/L	1	< 0.02 UJ	1	--	1	--
	Orthophosphate as P	mg/L	1	< 0.05 UJ	--	--	--	--
	Perchlorate	mg/L	1	< 0.001 U	0.026	--	0.018/0.0245(1)	--
	Total Kjeldahl Nitrogen (TKN)	mg/L	1	< 0.25 UJ	--	--	--	--
Metals	Aluminum	mg/L	1	0.0602 J	37	0	--	--
	Antimony	mg/L	1	< 0.00068 UJ	0.015	--	0.006	--
	Arsenic	mg/L	1	0.003 J	0.000045	1	0.01	0
	Barium	mg/L	1	0.0404 J	7.3	0	2	0
	Beryllium	mg/L	1	< 0.000128 UJ	0.073	--	0.004	--
	Boron	mg/L	1	0.0948 J	7.3	0	--	--
	Cadmium	mg/L	1	< 0.000042 UJ	0.018	--	0.005	--
	Calcium	mg/L	1	7.71 J	--	--	--	--
	Chromium (Total)	mg/L	1	< 0.003 UJ	--	--	0.1	--
	Chromium (VI)	mg/L	1	< 0.002 UJ	0.11	--	0.1	--
	Cobalt	mg/L	1	< 0.000244 UJ	0.011	--	--	--
	Copper	mg/L	1	< 0.00081 UJ	1.4	--	1.3	--
	Iron	mg/L	1	< 0.016 UJ	26	--	--	--
	Lead	mg/L	1	< 0.000492 UJ	0.015	--	0.015	--
	Lithium	mg/L	1	< 0.0002 UJ	0.073	--	--	--
	Magnesium	mg/L	1	3.3 J	210	0	--	--
	Manganese	mg/L	1	< 0.0006 UJ	0.51	--	--	--
	Mercury	mg/L	1	0.00008 J	0.0058	0	0.002	0
	Molybdenum	mg/L	1	0.00087 J	0.18	0	--	--
	Nickel	mg/L	1	< 0.000487 UJ	0.73	--	--	--
	Potassium	mg/L	1	0.207 J	--	--	--	--
	Selenium	mg/L	1	< 0.00048 UJ	0.18	--	0.05	--
	Silver	mg/L	1	< 0.000203 UJ	0.18	--	--	--
	Sodium	mg/L	1	13.5 J	--	--	--	--
	Strontium	mg/L	1	0.184 J	22	0	--	--
	Thallium	mg/L	1	< 0.00006 UJ	0.0026	--	0.002	--
	Tin	mg/L	1	< 0.00068 UJ	22	--	--	--
	Titanium	mg/L	1	0.0012 J	150	0	--	--
	Tungsten	mg/L	1	< 0.00151 UJ	0.27	--	--	--
	Uranium	mg/L	1	0.00052 J	0.11	0	0.03	0
	Vanadium	mg/L	1	0.0113 J	0.18	0	--	--
	Zinc	mg/L	1	< 0.004 UJ	11	--	--	--
OCPs	2,4-DDD	mg/L	1	< 0.000011 UJ	--	--	--	--
	2,4-DDE	mg/L	1	< 0.000009 UJ	--	--	--	--
	4,4-DDD	mg/L	1	< 0.000004 UJ	0.00028	--	--	--
	4,4-DDE	mg/L	1	< 0.000003 UJ	0.0002	--	--	--
	4,4-DDT	mg/L	1	< 0.000006 UJ	0.0002	--	--	--
	Aldrin	mg/L	1	< 0.000004 UJ	0.000004	--	--	--
	alpha-BHC	mg/L	1	< 0.000003 UJ	0.000011	--	--	--
	alpha-Chlordane	mg/L	1	< 0.000003 UJ	--	--	--	--
	beta-BHC	mg/L	1	< 0.000013 UJ	0.000037	--	--	--
	Chlordane	mg/L	1	< 0.00018 UJ	0.00019	--	0.002	--
	delta-BHC	mg/L	1	< 0.000006 UJ	--	--	--	--
	Dieldrin	mg/L	1	< 0.000002 UJ	0.0000042	--	--	--
	Endosulfan I	mg/L	1	< 0.000003 UJ	--	--	--	--
	Endosulfan II	mg/L	1	< 0.00001 UJ	--	--	--	--
	Endosulfan sulfate	mg/L	1	< 0.000017 UJ	--	--	--	--
	Endrin	mg/L	1	< 0.000003 UJ	0.011	--	0.002	--

TABLE 3
SPLP DATA SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Result	Residential Water BCL[c]	Count of Detects > BCL	MCL	Count of Detects > MCL
OCPs	Endrin aldehyde	mg/L	1	< 0.000003 UJ	--	--	--	--
	Endrin ketone	mg/L	1	< 0.000016 UJ	--	--	--	--
	gamma-BHC (Lindane)	mg/L	1	< 0.000003 UJ	0.000052	--	0.0002	--
	gamma-Chlordane	mg/L	1	< 0.000003 UJ	--	--	--	--
	Heptachlor	mg/L	1	< 0.000003 UJ	0.000015	--	0.0004	--
	Heptachlor epoxide	mg/L	1	< 0.000003 UJ	0.0000074	--	0.0002	--
	Methoxychlor	mg/L	1	< 0.000005 UJ	0.18	--	0.04	--
	Toxaphene	mg/L	1	< 0.00033 UJ	0.000061	--	0.003	--
PAHs	Acenaphthene	mg/L	1	< 0.00025 U	2.2	--	--	--
	Acenaphthylene	mg/L	1	< 0.00025 U	1.1	--	--	--
	Anthracene	mg/L	1	< 0.00025 U	11	--	--	--
	Benzo(a)anthracene	mg/L	1	< 0.00025 U	0.000092	--	--	--
	Benzo(a)pyrene	mg/L	1	< 0.00025 U	0.0000092	--	0.0002	--
	Benzo(b)fluoranthene	mg/L	1	< 0.00025 U	0.000092	--	--	--
	Benzo(g,h,i)perylene	mg/L	1	< 0.00025 U	1.1	--	--	--
	Benzo(k)fluoranthene	mg/L	1	< 0.00025 U	0.00092	--	--	--
	Chrysene	mg/L	1	< 0.00025 U	0.0092	--	--	--
	Dibenzo(a,h)anthracene	mg/L	1	< 0.00025 U	0.0000092	--	--	--
	Indeno(1,2,3-cd)pyrene	mg/L	1	< 0.00025 U	0.000092	--	--	--
	Phenanthrene	mg/L	1	< 0.00025 U	1.1	--	--	--
	Pyrene	mg/L	1	< 0.00025 U	1.1	--	--	--
Radio-nuclides	Radium-226	pCi/L	1	0.216 UJ	5	--	--	--
	Radium-228	pCi/L	1	-0.896 UJ	5	--	--	--
	Thorium-228	pCi/L	1	-0.00316 UJ	0.11	--	--	--
	Thorium-230	pCi/L	1	0.512 UJ	0.042	--	--	--
	Thorium-232	pCi/L	1	0.103 UJ	0.14	--	--	--
	Uranium-233/234	pCi/L	1	1.55 J-	--	--	--	--
	Uranium-235/236	pCi/L	1	-0.0426 UJ	--	--	--	--
	Uranium-238	pCi/L	1	0.397 UJ	--	--	--	--
SVOCs	1,2,4,5-Tetrachlorobenzene	mg/L	1	< 0.01 U	0.011	--	--	--
	1,2-Diphenylhydrazine	mg/L	1	< 0.01 U	0.000084	--	--	--
	1,4-Dioxane	mg/L	1	< 0.005 UJ	0.0061	--	--	--
	2,2'-Dichlorobenzil	mg/L	1	< 0.0165 U	0.011	--	--	--
	2,4,5-Trichlorophenol	mg/L	1	< 0.005 U	3.7	--	--	--
	2,4,6-Trichlorophenol	mg/L	1	< 0.01 U	0.0061	--	--	--
	2,4-Dichlorophenol	mg/L	1	< 0.01 U	0.11	--	--	--
	2,4-Dimethylphenol	mg/L	1	< 0.01 U	0.73	--	--	--
	2,4-Dinitrophenol	mg/L	1	< 0.05 U	0.073	--	--	--
	2,4-Dinitrotoluene	mg/L	1	< 0.01 U	0.00022	--	--	--
	2,6-Dinitrotoluene	mg/L	1	< 0.01 U	0.037	--	--	--
	2-Chloronaphthalene	mg/L	1	< 0.00175 U	2.9	--	--	--
	2-Chlorophenol	mg/L	1	< 0.01 U	0.18	--	--	--
	2-Methylnaphthalene	mg/L	1	< 0.0015 U	--	--	--	--
	2-Nitroaniline	mg/L	1	< 0.01 U	0.11	--	--	--
	2-Nitrophenol	mg/L	1	< 0.01 U	--	--	--	--
	3,3-Dichlorobenzidine	mg/L	1	< 0.005 U	0.00015	--	--	--
	3-Nitroaniline	mg/L	1	< 0.01 U	--	--	--	--
	4-Bromophenyl phenyl ether	mg/L	1	< 0.01 U	--	--	--	--
	4-Chloro-3-methylphenol	mg/L	1	< 0.01 U	--	--	--	--
	4-Chlorophenyl phenyl ether	mg/L	1	< 0.01 U	--	--	--	--
	4-Chlorothioanisole	mg/L	1	< 0.0165 U	--	--	--	--
	4-Nitroaniline	mg/L	1	< 0.015 U	--	--	--	--
	4-Nitrophenol	mg/L	1	< 0.01 U	0.29	--	--	--
	Acetophenone	mg/L	1	< 0.01 UJ	3.7	--	--	--
	Aniline	mg/L	1	< 0.0125 U	0.012	--	--	--
	Benzenethiol	mg/L	1	< 0.033 U	--	--	--	--
	Benzoic acid	mg/L	1	< 0.03 U	150	--	--	--
	Benzyl alcohol	mg/L	1	< 0.01 UJ	18	--	--	--
	bis(2-Chloroethoxy)methane	mg/L	1	< 0.015 U	--	--	--	--

TABLE 3
SPLP DATA SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Result	Residential Water BCL[c]	Count of Detects > BCL	MCL	Count of Detects > MCL
SVOCs	bis(2-Chloroethyl) ether	mg/L	1	< 0.01 U	0.000054	--	--	--
	bis(2-Chloroisopropyl) ether	mg/L	1	< 0.01 U	0.0009	--	--	--
	bis(2-Ethylhexyl) phthalate	mg/L	1	< 0.01 U	0.0048	--	0.006	--
	bis(p-Chlorophenyl) sulfone	mg/L	1	< 0.0165 U	--	--	--	--
	bis(p-Chlorophenyl)disulfide	mg/L	1	< 0.0165 U	--	--	--	--
	Butylbenzyl phthalate	mg/L	1	< 0.01 U	7.3	--	--	--
	Carbazole	mg/L	1	< 0.001 U	0.0034	--	--	--
	Dibenzofuran	mg/L	1	< 0.01 U	0.073	--	--	--
	Diethyl phthalate	mg/L	1	< 0.01 U	29	--	--	--
	Dimethyl phthalate	mg/L	1	< 0.01 U	370	--	--	--
	Di-n-butyl phthalate	mg/L	1	< 0.01 U	3.7	--	--	--
	Di-n-octyl phthalate	mg/L	1	< 0.015 U	--	--	--	--
	Diphenyl disulfide	mg/L	1	< 0.0165 U	--	--	--	--
	Diphenyl sulfide	mg/L	1	< 0.0165 U	--	--	--	--
	Diphenyl sulfone	mg/L	1	< 0.0165 U	0.11	--	--	--
	Diphenylamine	mg/L	1	< 0.015 U	0.91	--	--	--
	Fluoranthene	mg/L	1	< 0.001 U	1.5	--	--	--
	Fluorene	mg/L	1	< 0.001 U	1.5	--	--	--
	Hexachlorobenzene	mg/L	1	< 0.01 U	0.000042	--	0.001	--
	Hexachlorobutadiene	mg/L	1	< 0.01 U	0.00086	--	--	--
	Hexachlorocyclopentadiene	mg/L	1	< 0.01 U	0.22	--	0.05	--
	Hexachloroethane	mg/L	1	< 0.01 U	0.0048	--	--	--
	Hydroxymethyl phthalimide	mg/L	1	< 0.0165 U	--	--	--	--
	Isophorone	mg/L	1	< 0.01 U	0.071	--	--	--
	m,p-Cresols	mg/L	1	< 0.015 U	0.18	--	--	--
	Naphthalene	mg/L	1	< 0.0015 U	0.0043	--	--	--
	Nitrobenzene	mg/L	1	< 0.015 U	0.0037	--	--	--
	N-nitrosodi-n-propylamine	mg/L	1	< 0.01 U	0.0000096	--	--	--
	o-Cresol	mg/L	1	< 0.01 U	1.8	--	--	--
	Octachlorostyrene	mg/L	1	< 0.0165 U	--	--	--	--
	p-Chloroaniline	mg/L	1	< 0.01 U	0.15	--	--	--
	p-Chlorobenzenethiol	mg/L	1	< 0.0165 U	--	--	--	--
	Pentachlorobenzene	mg/L	1	< 0.01 U	0.029	--	--	--
	Pentachlorophenol	mg/L	1	< 0.01 U	0.00056	--	0.001	--
	Phenol	mg/L	1	< 0.005 U	11	--	--	--
	Pyridine	mg/L	1	< 0.005 U	0.037	--	--	--

BCL = Basic Comparison Levels (BCLs) from NDEP 2009a. Values used are residential water BCLs.
MCL = USEPA Maximum Contaminant Level.
(1) A MCL for perchlorate has not been promulgated. The USEPA Drinking Water Equivalent Level of 24.5 ug/L was used.

TABLE 4
BACKGROUND COMPARISON SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

	Warm Springs								Background							
Chemical	**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	32	32	100%	8250	18400	12150	12020	2443	101	101	100%	3740	15300	8470	9131	2668
Antimony	0	32	NA	NA	NA	0.08775	0.09633	0.03602	43	101	43%	0.12	0.5	0.1649	0.1886	0.08519
Arsenic	32	32	100%	2	9.5	3.65	4.147	1.845	101	101	100%	2.1	7.2	3.9	4.112	1.143
Barium	32	32	100%	155	490	246.5	256.8	77.98	101	101	100%	73	465	175	182.3	64.83
Beryllium	32	32	100%	0.53	0.84	0.65	0.6541	0.09005	101	101	100%	0.16	0.89	0.54	0.5811	0.1596
Boron	5	32	16%	4.8	9.9	3.3	4.516	2.325	34	95	36%	5.2	11.6	1.6	3.573	2.811
Cadmium	12	32	38%	0.11	0.37	0.04	0.08531	0.09544	6	101	6%	0.095	0.16	0.06455	0.06757	0.01333
Calcium	32	32	100%	10900	92200	20700	25100	16100	95	95	100%	9440	82800	24500	29030	14960
Chromium (Total)	32	32	100%	7.7	19.7	12.3	12.63	3.213	101	101	100%	2.6	16.7	9	9.029	3.015
Chromium (VI)	17	32	53%	0.11	0.58	0.115	0.1433	0.1198	0	95	NA	NA	NA	0.13	0.1291	0.004333
Cobalt	32	32	100%	5.7	14.4	9.8	9.909	1.593	101	101	100%	3.7	16.3	8.8	8.672	2.283
Copper	32	32	100%	13	24.5	18.3	19.11	3.004	101	101	100%	10.1	25.9	17.6	17.49	3.563
Iron	32	32	100%	11100	23700	17700	17790	2639	101	101	100%	5410	19700	13500	13200	3320
Lead	32	32	100%	5.9	79.3	10.25	14.69	14.63	101	101	100%	3	35.1	7.3	8.467	4.291
Lithium	32	32	100%	8.5	21	12.1	12.53	2.764	95	95	100%	7.5	26.5	12.9	14.04	4.439
Magnesium	32	32	100%	5530	15400	9950	10130	1653	101	101	100%	4690	17500	10200	10180	2799
Manganese	32	32	100%	240	1800	493.5	576.5	288.8	101	101	100%	151	863	409	416	126.8
Mercury	8	28	29%	0.011	0.0438	0.00575	0.009618	0.00924	79	101	78%	0.0084	0.11	0.014	0.01824	0.01641
Molybdenum	21	32	66%	0.29	2.3	0.38	0.4956	0.5101	101	101	100%	0.17	2	0.48	0.5328	0.2528
Nickel	32	32	100%	11.7	30.3	16.25	16.96	3.268	101	101	100%	7.9	30	16	15.93	4.076
Potassium	32	32	100%	863	2800	1810	1793	523.8	95	95	100%	625	3890	1580	1754	759.3

TABLE 4
BACKGROUND COMPARISON SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

	Warm Springs								Background							
Chemical	**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**
Selenium	0	32	NA	NA	NA	0.16	2.725	4.987	39	101	39%	0.1	0.6	0.07895	0.1666	0.1241
Silver	22	32	69%	0.076	0.28	0.13	0.1241	0.07248	6	101	6%	0.043	0.083	0.1305	0.1262	0.01762
Sodium	32	32	100%	332	1140	659	680.3	196.9	95	95	100%	128	1320	487	498.4	284.7
Strontium	32	32	100%	209	443	312.5	308.5	59.47	95	95	100%	75.5	808	192	232.5	133.4
Thallium	7	32	22%	0.25	0.96	0.15	0.2479	0.2088	27	101	27%	0.13	1.8	0.2714	0.508	0.4806
Tin	13	32	41%	0.41	1.3	0.375	0.4323	0.3009	95	95	100%	0.24	0.8	0.51	0.4985	0.112
Titanium	32	32	100%	553	1270	739.5	755.5	169.8	101	101	100%	262	1010	533	552.1	150.4
Tungsten	9	32	28%	0.25	4	0.25	0.5923	0.9372	0	95	NA	NA	NA	0.00875	0.00875	0
Uranium	32	32	100%	0.7	1.9	1.1	1.136	0.3049	94	94	100%	0.62	2.7	0.97	1.032	0.3092
Vanadium	32	32	100%	34.6	71.4	49.25	50.78	8.921	101	101	100%	20.2	59.1	36.9	38.26	8.827
Zinc	32	32	100%	25.1	106	45.1	49.82	16.86	101	101	100%	15.4	121	38.9	38.48	12.87
Radium-226	31	31	100%	0.154	1.8	0.88	0.9515	0.3216	95	95	100%	0.494	2.36	1.09	1.148	0.3403
Radium-228	31	31	100%	1.09	2.98	1.78	1.828	0.4782	81	81	100%	0.946	2.92	1.93	1.894	0.3905
Thorium-228	31	31	100%	1.3	2.23	1.66	1.689	0.2829	101	101	100%	1.15	2.28	1.78	1.737	0.262
Thorium-230	31	31	100%	0.668	1.74	1.04	1.06	0.2147	101	101	100%	0.73	3.01	1.21	1.294	0.3894
Thorium-232	31	31	100%	0.893	2.67	1.38	1.521	0.4622	101	101	100%	1.22	2.23	1.66	1.656	0.2554
Uranium-233/234	31	31	100%	0.629	1.67	1.03	1.05	0.286	101	101	100%	0.63	2.84	1.05	1.186	0.4564
Uranium-235/236	31	31	100%	-0.19	0.246	0.054	0.07007	0.1001	101	101	100%	0.0009	0.21	0.06	0.06962	0.03806
Uranium-238	31	31	100%	0.534	1.35	0.972	0.9724	0.2342	101	101	100%	0.65	2.37	1.05	1.157	0.3583

Note: Summary and background comparison statistics were performed using one-half the detection limit for metals and using GISdT® (Neptune and Company 2009).
BOLD with Highlight indicates Site concentrations are greater than background.
WRS = Wilcoxon Rank Sum Test with the Gehan Modification
mg/kg - milligrams per kilogram
pCi/g - picoCuries per gram

TABLE 4
BACKGROUND COMPARISON SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

	T Test		Quantile		Slippage		WRS				
Chemical	***p***	**Greater than Background?**	**Test *p***	**Greater than Background?**	**Test *p***	**Greater than Background?**	**Test *p***	**Wilcoxon Result**	**Greater than Background?**	**Units**	**Basis**
Aluminum	2.3 E-7	YES	5.8 E-2	NO	2.9 E-3	YES	1.1 E-6	YES	YES	mg/kg	Multiple tests
Antimony	1.0 E+0	NO	1.0 E+0	NO	1.0 E+0	NO	1.0 E+0	NO	NO	mg/kg	ND in Site data
Arsenic	4.6 E-1	NO	1.3 E-1	NO	5.7 E-2	NO	8.4 E-1	NO	NO	mg/kg	Multiple tests
Barium	6.4 E-6	YES	5.2 E-3	YES	2.4 E-1	NO	5.5 E-8	YES	YES	mg/kg	Multiple tests
Beryllium	8.1 E-4	YES	6.5 E-1	NO	1.0 E+0	NO	4.6 E-3	YES	YES	mg/kg	Multiple tests
Boron	3.2 E-2	NO	8.9 E-1	NO	1.0 E+0	NO	1.4 E-5	YES	NO	mg/kg	Multiple tests
Cadmium	1.5 E-1	NO	6.6 E-4	YES	2.9 E-3	YES	1.0 E+0	NO	YES	mg/kg	Multiple tests; Site max detect > background
Calcium	8.9 E-1	NO	8.9 E-1	NO	2.5 E-1	NO	9.6 E-1	NO	NO	mg/kg	Multiple tests
Chromium (Total)	4.4 E-7	YES	1.5 E-2	YES	2.9 E-3	YES	3.2 E-7	YES	YES	mg/kg	Multiple tests
Chromium (VI)	2.5 E-1	NO	1.1 E-8	YES	NA	NO	1.0 E+0	NO	YES	mg/kg	ND in background data
Cobalt	5.1 E-4	YES	2.2 E-1	NO	1.0 E+0	NO	9.1 E-4	YES	YES	mg/kg	Multiple tests
Copper	7.1 E-3	YES	3.8 E-1	NO	1.0 E+0	NO	2.1 E-2	YES	YES	mg/kg	Multiple tests
Iron	1.3 E-11	YES	3.5 E-4	YES	2.9 E-3	YES	1.5 E-10	YES	YES	mg/kg	Multiple tests
Lead	1.2 E-2	YES	2.4 E-2	YES	5.7 E-2	NO	3.6 E-6	YES	YES	mg/kg	Multiple tests
Lithium	9.9 E-1	NO	9.8 E-1	NO	1.0 E+0	NO	9.1 E-1	NO	NO	mg/kg	Multiple tests
Magnesium	5.6 E-1	NO	9.8 E-1	NO	1.0 E+0	NO	5.6 E-1	NO	NO	mg/kg	Multiple tests
Manganese	2.2 E-3	YES	5.2 E-3	YES	1.3 E-2	YES	2.4 E-4	YES	YES	mg/kg	Multiple tests
Mercury	1.0 E+0	NO	9.7 E-1	NO	1.0 E+0	NO	9.6 E-1	NO	NO	mg/kg	Multiple tests
Molybdenum	6.5 E-1	NO	4.5 E-1	NO	5.7 E-2	NO	9.8 E-1	NO	NO	mg/kg	Multiple tests
Nickel	7.4 E-2	NO	4.5 E-1	NO	2.4 E-1	NO	1.4 E-1	NO	NO	mg/kg	Multiple tests
Potassium	3.7 E-1	NO	9.8 E-1	NO	1.0 E+0	NO	1.5 E-1	NO	NO	mg/kg	Multiple tests

TABLE 4
BACKGROUND COMPARISON SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

	T Test		Quantile		Slippage		WRS				
Chemical	***p***	**Greater than Background?**	**Test *p***	**Greater than Background?**	**Test *p***	**Greater than Background?**	**Test *p***	**Wilcoxon Result**	**Greater than Background?**	**Units**	**Basis**
Selenium	3.4 E-3	YES	1.0 E+0	NO	1.0 E+0	NO	1.8 E-8	YES	NO	mg/kg	ND in Site data
Silver	5.6 E-1	NO	2.4 E-1	NO	2.9 E-4	YES	1.0 E+0	NO	NO	mg/kg	Multiple tests
Sodium	7.1 E-5	YES	4.2 E-1	NO	1.0 E+0	NO	3.1 E-4	YES	YES	mg/kg	Multiple tests
Strontium	1.2 E-5	YES	9.8 E-1	NO	1.0 E+0	NO	3.2 E-6	YES	YES	mg/kg	Multiple tests
Thallium	1.0 E+0	NO	1.0 E+0	NO	1.0 E+0	NO	1.0 E+0	NO	NO	mg/kg	Multiple tests
Tin	8.8 E-1	NO	2.0 E-1	NO	3.5 E-3	YES	7.2 E-2	NO	NO	mg/kg	Multiple tests
Titanium	1.0 E-7	YES	5.2 E-3	YES	1.3 E-2	YES	8.4 E-9	YES	YES	mg/kg	Multiple tests
Tungsten	6.8 E-4	YES	1.6 E-6	YES	NA	NO	0.0 E+0	YES	YES	mg/kg	Multiple tests
Uranium	5.1 E-2	NO	2.0 E-2	YES	1.0 E+0	NO	2.6 E-2	NO	NO	mg/kg	Multiple tests; plots
Vanadium	3.2 E-9	YES	8.2 E-4	YES	2.7 E-5	YES	2.5 E-9	YES	YES	mg/kg	Multiple tests
Zinc	5.5 E-4	YES	5.2 E-3	YES	1.0 E+0	NO	8.9 E-5	YES	YES	mg/kg	Multiple tests
Radium-226	1.0 E+0	NO	9.7 E-1	NO	1.0 E+0	NO	1.0 E+0	NO	NO	pCi/g	Multiple tests; Uranium results
Radium-228	7.5 E-1	NO	4.4 E-1	NO	2.8 E-1	NO	8.1 E-1	NO	NO	pCi/g	Multiple tests; Uranium results
Thorium-228	8.0 E-1	NO	6.9 E-1	NO	1.0 E+0	NO	8.4 E-1	NO	NO	pCi/g	Multiple tests; Uranium results
Thorium-230	1.0 E+0	NO	9.7 E-1	NO	1.0 E+0	NO	1.0 E+0	NO	NO	pCi/g	Multiple tests; Uranium results
Thorium-232	9.4 E-1	NO	2.0 E-1	NO	1.2 E-2	YES	9.9 E-1	NO	NO	pCi/g	Multiple tests; Uranium results
Uranium-233/234	9.7 E-1	NO	1.0 E+0	NO	1.0 E+0	NO	8.8 E-1	NO	NO	pCi/g	Multiple tests; Uranium results
Uranium-235/236	4.9 E-1	NO	2.8 E-4	YES	1.2 E-2	YES	7.7 E-1	NO	NO	pCi/g	Multiple tests; Uranium results
Uranium-238	1.0 E+0	NO	1.0 E+0	NO	1.0 E+0	NO	9.8 E-1	NO	NO	pCi/g	Multiple tests; Uranium results

Note: Summary and background comparison statistics were performed using one-half the detection limit for metals and using GISdT® (Neptune and Company 2009).
BOLD with Highlight indicates Site concentrations are greater than background.
WRS = Wilcoxon Rank Sum Test with the Gehan Modification
mg/kg - milligrams per kilogram
pCi/g - picoCuries per gram

TABLE 5
CONSTRUCTION DUST MODEL
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter	Abbrev.	Units	Value
Wind Erosion and Construction Activities			
Fugitive dust from wind erosion[(1)]	M_{wind}	g	**1.8E+05**
Fraction of vegetative cover[(2)]	V	--	0.00
Mean annual wind speed[(3)]	U_m	m/s	4.1
Equivalent threshold value of wind speed[(2)]	U_t	m/s	11.32
Function dependent on U/U_t[(2)]	F(x)	--	0.19
Areal Extent of site surface contamination[(4)]	A_{surf}	m^2	63133.20
Exposure duration[(5)]	ED	year	1
Fugitive dust from excavation soil dumping[(6)]	M_{excav}	g	**4.7E+03**
In situ wet soil bulk density[(7)]	r_{soil}	Mg/m^3	1.83
Gravimetric Soil Moisture Content %[(8)]	M	%	12.00
Areal extent of site excavation[(9)]	A_{excav}	m^2	12626.64
Average depth of site excavation[(2)]	d_{excav}	m	1.00
Number of times soil is dumped[(2)]	N_A	--	2.00
Fugitive dust from dozing[(10)]	M_{doz}	g	**1.3E+03**
Soil silt content %[(7)]	s	%	6.90
Gravimetric Soil Moisture Content %[(8)]	M	%	12.00
Average dozing speed[(2)]	S_{doz}	km/hr	11.40
Sum dozing kilometers traveled[(11)]	VKT_{doz}	km	77.62
Fugitive dust from grading[(12)]	M_{grade}	g	**3.4E+04**
Average grading speed[(2)]	S_{grade}	km/hr	11.40
Sum grading kilometers traveled[(12)]	VKT_{grade}	km	77.62
Fugitive dust from tilling[(13)]	M_{till}	g	**8.9E+03**
Soil silt content %[(7)]	s	%	6.90
Areal extent of site tilling[(9)]	A_{till}	acre	3.12
Number of times soil is tilled[(2)]	N_A	--	2.00
Total Time Averaged PM_{10} Emission[(14)]	**J'_T**	g/m2-sec	**1.17E-07**
Duration of construction[(2)]	T	sec	3.15E+07
Subchronic Dispersion Factor for Area Source[(15)]	**Q/C_{sa}**	g/m^2-sec per kg/m^3	**7.84**
Constant A[(2)]	A	--	2.45
Constant B[(2)]	B	--	17.57
Constant C[(2)]	C	--	189.04
Areal Extent of site surface contamination[(4)]	A_{surf}	acres	15.60
Dispersion correction factor[(16)]	**F_D**	--	**0.19**
Subchronic PEF for Construction Activities[(17)]	**PEF_{sc}**	**m^3/kg**	**3.62E+08**

TABLE 5
CONSTRUCTION DUST MODEL
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Parameter	Abbrev.	Units	Value
Unpaved Road Traffic			
Length of road segment[18]	L_R	m	251.26
Width of road segment[2]	W_R	m	6.10
Surface area of contaminated road segment[19]	A_R	m^2	1531.70
Road surface silt content %[20]	s	%	8.50
Mean vehicle weight[2]	W	tons	8.00
Percent moisture in dry road surface[20]	M	%	0.20
Number of days/year with at least 0.01 inches of precipitation[3]	p	days	27.00
Number of vehicles for duration of construction	N_V	vehicles	30.00
Length of road traveled per day	L_D	m/day	251.26
Sum of fleet vehicle kilometers traveled during the exposure du	VKT_{road}	km	979.93
Subchronic Dispersion Factor for road segment[22]	Q/C_{sr}	g/m^2-sec per kg/m^3	14.65
Constant A[2]	A		12.94
Constant B[2]	B		5.74
Constant C[2]	C		71.77
Subchronic PEF for Unpaved Road Traffic[23]	$\mathbf{PEF_{sc\_road}}$	$\mathbf{m^3/kg}$	**5.10E+06**
Total construction related PEF[24]	$\mathbf{PEF_{sc\_total}}$	$\mathbf{m^3/kg}$	**5.03E+06**
Total outdoor ambient air dust concentration[25]	$\mathbf{D_{construct}}$	$\mathbf{kg/m^3}$	**1.99E-07**

(1) From USEPA. (2002). Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites.
Office of Solid Waste and Emergency Response, Washington, DC. OSWER 9355.4-24. December.
- $M_{wind} = 0.036 \times (1\text{-}V) \times (U_m/U_t)^3 \times F(x) \times A_{surf} \times ED \times 8760$hr/yr.

(2) Assumed value for the site based upon USEPA (2002).

(3) Based on long-term weather data for the area of interest - this value can change based on site specific characteristics

(4) Site area.

(5) Construction worker ED.

(6) From USEPA 2002 - $M_{excav} = 0.35 \times 0.0016 \times [(U_m/2.2)^{1.3}/(M/2)^{1.4}] \times \rho_{soil} \times A_{excav} \times d_{excav} \times N_A \times 10^3$g/kg.

(7) NDEP default value.

(8) NDEP default value.

(9) Assumed value of one fifth of the site based upon USEPA (2002).

(10) From USEPA 2002 - $M_{doz} = 0.75 \times [(0.45 \times s^{1.5})/(M)^{1.4}] \times \sum VKT_{doz}/S_{doz} \times 10^3$g/kg.

(11) From USEPA 2002 - $VKT_{doz} = [(A_{surf}^{0.5}/2.44m) \times A_{surf}^{0.5} \times 3]/1{,}000$ m/km.

(12) From USEPA 2002 - $M_{grade} = 0.60 \times (0.0056 \times S^{2.0}) \times \sum VKT_{grade} \times 10^3$g/kg.

(13) From USEPA 2002 - $M_{till} = 1.1 \times s^{0.6} \times A_{till} \times 4{,}047m^2/acre \times 10^{-4}ha/m^2 \times 10^3 g/kg \times N_A$.

(14) From USEPA 2002 - $J'_T = (M_{wind} + M_{excav} + M_{doz} + M_{grade} + M_{till})/(A_{surf} \times T)$.

(15) From USEPA 2002 - $Q/C_{sa} = A \times \exp[(\ln(A_{surf}) - B)^2/C]$.

(16) From USEPA 2002 - $F_D = 0.1852 + (5.3537/t_c)+(-9.6318/t_c^2)$, $t_c = T/(3{,}600$sec/hour).

(17) From USEPA 2002 - $PEF_{sc} = Q/C_{sa} \times (1/F_D) \times (1/J'_T)$.

(18) Assumed value of the square root of the site area, based upon USEPA (2002).

(19) From USEPA 2002 - $A_R = L_R \times W_R * 0.092903$ m2/ft2

(20) NDEP default value.

(21) From USEPA 2002 - $VKT_{road} = 30$ vehicles $\times L_R \times [(52$ wks/yr$)/2] \times (5$ days/week$) / (1000$ m/km$)$.

(22) From USEPA 2002 - $Q/C_{sr} = A \times \exp[(\ln(A_{surf}) - B)^2/C]$.

(23) From USEPA 2002 - $PEF_{sc\_road} = Q/C_{sr} \times (1/F_D) \times T \times A_R$ /
$\{[2.6 \times (s/12)^{0.8} \times (W/3)^{0.4}/(M/0.2)^{0.3}] \times [(365\text{-}p)/365] \times 281.9 \times \sum VKT_{road}\}$.

(24) $PEF_{sc\_total} = \{1/[(1/PEF_{sc})+(1/PEF_{sc\_road})]\}$.

(25) $D_{construct} = 1/PEF_{sc\_total}$.

TABLE 6
ASBESTOS RISK SUMMARY
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Asbestos Risk Calculations (from NDEP 2009) ***Risk = (C_{soil} *URF*ET*EF*ED) / (PEF*AT)***

		CHRYSOTILE				AMPHIBOLE			
ESTIMATED RISK	**Units**	**Construction**	**Off-Site Residential**	**Ind.-Comm. Worker**	**Onsite Resident**	**Construction**	**Off-Site Residential**	**Ind.-Comm. Worker**	**Onsite Resident**
Estimated Risk (Total Structures)	Unitless	2E-08	--	--	--	0E+00	--	--	--
95% UCL (Total Structures)	Unitless	5E-08	--	--	--	3E-06	--	--	--
ESTIMATED AIR CONCENTRATIONS									
Estimated Airborne Concentration, C_{air} (best estimate)[A]	f/m^3	9.08E+01	--	--	--	0.00E+00	--	--	--
Estimated Airborne Concentration (upper bound)[B]	f/m^3	2.86E+02	--	--	--	1.36E+02	--	--	--

[A] *Estimated Airborne Concentration = Estimated C_{soil} * 1/PEF*

[B] *Estimated Airborne Concentration = 95% UCL (upper bound) * 1/PEF*

TABLE 7
DATA QUALITY ASSESSMENT
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Table 7a: Sample Size Results for Arsenic with 10x BCL = 17.7 mg/kg

Number of samples = 32		s = 1.845		
Threshold = 17.7 mg/kg		α = 5%	α = 10%	α = 15%
MDD = 10% (1.77 mg/kg)	β = 15%	11	8	6
	β = 20%	9	7	5
	β = 25%	8	6	4
MDD = 20% (3.54 mg/kg)	β = 15%	4	3	2
	β = 20%	4	2	2
	β = 25%	3	2	2
MDD = 30% (5.31 mg/kg)	β = 15%	3	2	1
	β = 20%	2	2	1
	β = 25%	2	1	1

Table 7b: Sample Size Results for Manganese with BCL = 13,700 mg/kg

Number of samples = 32		s = 288.8		
Threshold = 13,700 mg/kg		α = 5%	α = 10%	α = 15%
MDD = 10% (1,370 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1
MDD = 20% (2,740 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1
MDD = 30% (4,110 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1

Table 7c: Sample Size Results for TCDD TEQ with BCL = 1,000 pg/g

Number of samples = 21		s = 25.57		
Threshold = 1,000 pg/g		α = 5%	α = 10%	α = 15%
MDD = 10% (100 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1
MDD = 20% (200 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1
MDD = 30% (300 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1

Table 7d: Sample Size Results for Benzo(a)pyrene with BCL = 0.234 mg/kg

Number of samples = 29		s = 0.003627		
Threshold = 0.234 mg/kg		α = 5%	α = 10%	α = 15%
MDD = 10% (0.0234 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1
MDD = 20% (0.0468 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1
MDD = 30% (0.0702 mg/kg)	β = 15%	2	1	1
	β = 20%	2	1	1
	β = 25%	2	1	1

α = alpha
β = beta
s = standard deviation of sample data

ATTACHMENT A

DATA USABILITY TABLES
(on the enclosed CD in Attachment B)

ATTACHMENT B

WARM SPRINGS ROAD ROW INVESTIGATION DATA TABLES
(Database and Electronic Files on CD)

TABLE B-1
ASBESTOS RESULTS AND ANALYTICAL SENSITIVITIES
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 1)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Analytical Sensitivity (10^6 s/gPM$_{10}$)	Concentration Protocol Structures[1]		Number of Protocol Structures[2]			
					Chrysotile (10^6 s/gPM$_{10}$)	Amphibole (10^6 s/gPM$_{10}$)	Chrysotile		Amphibole	
							Total	Long	Total	Long
SRC1-AI16	0	N	10/3/2008	2.981 E+6	< 8.912 E+6	< 8.912 E+6	0	0	0	0
SRC1-AI18	0	N	10/2/2008	2.960 E+6	< 8.851 E+6	< 8.851 E+6	0	0	0	0
SRC1-AI19	0	N	10/2/2008	2.986 E+6	< 8.927 E+6	< 8.927 E+6	0	0	0	0
SRC1-AI19	0	FD	10/2/2008	2.988 E+6	< 8.934 E+6	< 8.934 E+6	0	0	0	0
SRC1-AJ19	0	N	10/2/2008	2.992 E+6	< 8.946 E+6	< 8.946 E+6	0	0	0	0
SRC1-AJ20	0	N	10/2/2008	2.976 E+6	< 8.899 E+6	< 8.899 E+6	0	0	0	0
SRC1-AJ21	0	N	10/2/2008	2.981 E+6	< 8.912 E+6	< 8.912 E+6	0	0	0	0
SRC1-AK21	0	N	10/2/2008	2.978 E+6	2.150 E+7	< 1.099 E+7	9	2	0	0
SRC1-AK21	0	FD	10/2/2008	2.820 E+6	< 8.432 E+6	< 8.432 E+6	0	0	0	0
SRC1-AK28	0	N	10/1/2008	2.994 E+6	< 8.953 E+6	< 8.953 E+6	1	0	0	0
SRC1-AL24	0	N	10/2/2008	2.983 E+6	< 8.919 E+6	< 8.919 E+6	0	0	0	0
SRC1-AL25	0	N	10/1/2008	2.966 E+6	< 8.869 E+6	< 8.869 E+6	0	0	0	0
SRC1-AL27	0	N	10/2/2008	2.981 E+6	< 8.912 E+6	< 8.912 E+6	0	0	0	0

(1) Fiber dimensions are presented in the respective analytical reports for each sample.

(2) Only long structures present a potential risk and are used for estimating asbestos risks. Total fiber concentrations are presented for informational purposes only.

TABLE B-2
SOIL ALDEHYDES DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 1)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Aldehydes	
				Acetaldehyde	Formaldehyde
SRC1-AI16	0	N	11/03/2008	< 0.306 U	< 0.204 U
SRC1-AI16	10	N	11/03/2008	< 0.323 U	1.08 J
SRC1-AI18	0	N	11/03/2008	< 0.312 U	1.04 J
SRC1-AI18	11	N	11/03/2008	< 0.307 U	< 0.205 U
SRC1-AI19	0	N	10/31/2008	< 0.302 U	2.05
SRC1-AI19	6	N	10/31/2008	< 0.311 U	< 0.207 U
SRC1-AI19	16	N	10/31/2008	< 0.315 U	1.05 J
SRC1-AJ19	0	N	11/14/2008	< 0.156 U	0.315 J+
SRC1-AJ19	11	N	11/14/2008	< 0.156 U	0.234 J+
SRC1-AJ20	0	N	11/05/2008	< 0.151 U	< 0.101 U
SRC1-AJ20	11	N	11/05/2008	< 0.159 U	< 0.106 U
SRC1-AJ20	21	N	11/05/2008	< 0.159 U	< 0.106 U
SRC1-AJ21	0	N	11/06/2008	< 0.324 U	< 0.216 U
SRC1-AJ21	12	N	11/06/2008	< 0.316 U	< 0.211 U
SRC1-AK21	0	N	11/06/2008	< 0.305 U	< 0.203 U
SRC1-AK21	0	FD	11/06/2008	< 0.316 U	< 0.211 U
SRC1-AK21	8	N	11/06/2008	< 0.312 U	< 0.208 U
SRC1-AK21	18	N	11/06/2008	< 0.323 U	1.08 J
SRC1-AK28	0	N	11/14/2008	< 0.152 U	0.503 J+
SRC1-AK28	11	N	11/14/2008	< 0.159 U	0.354 J+
SRC1-AL24	0	N	11/06/2008	< 0.305 U	< 0.204 U
SRC1-AL24	8	N	11/06/2008	< 0.314 U	< 0.209 U
SRC1-AL24	18	N	11/06/2008	< 0.317 U	< 0.212 U
SRC1-AL25	0	N	11/10/2008	< 0.154 U	0.247 J
SRC1-AL25	11	N	11/10/2008	< 0.159 U	< 0.106 U
SRC1-AL27	0	N	11/11/2008	< 0.174 U	0.14 J+
SRC1-AL27	11	N	11/11/2008	< 0.164 U	0.173 J+

All units in mg/kg.
-- = no sample data.

TABLE B-3
SOIL DIOXINS/FURANS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 2)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Dioxins/Furans								
				1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8,9-HxCDD
SRC1-AI16	0	N	11/03/2008	2.8 J	< 0.68 U	< 1.3 U	< 1.4 U	< 0.34 U	< 0.84 U	< 0.31 U	< 0.25 U	< 0.29 U
SRC1-AI18	0	N	11/03/2008	80	8.9	32	38	< 1 U	23	< 2.1 U	3.1 J	< 1.7 U
SRC1-AI19	0	N	10/31/2008	270	32	160	230	5.5 J	120	12	16	11
SRC1-AI19	6	N	10/31/2008	< 0.61 UJ	< 0.19 UJ	< 0.29 UJ	< 0.36 UJ	< 0.13 UJ	< 0.33 UJ	< 0.1 UJ	< 0.18 UJ	< 0.12 UJ
SRC1-AJ19	0	N	11/14/2008	< 0.81 U	< 0.95 U	< 0.95 U	< 0.64 U	< 0.99 U	< 0.56 U	< 0.87 U	< 0.64 U	< 0.88 U
SRC1-AJ20	0	N	11/05/2008	23	< 2.4 U	12	14	< 0.35 U	8.7	< 0.78 U	< 1.3 U	< 0.86 U
SRC1-AJ21	0	N	11/06/2008	< 0.16 U	< 0.075 U	< 0.11 U	< 0.061 U	< 0.075 U	< 0.037 U	< 0.059 U	< 0.05 U	< 0.061 U
SRC1-AK21	0	N	11/06/2008	4.4 J	< 0.71 UJ	< 2.3 UJ	2.7 J	< 0.14 U	< 1.9 UJ	< 0.28 U	< 0.92 UJ	< 0.42 U
SRC1-AK21	0	FD	11/06/2008	< 0.31 UJ	< 0.14 U	< 0.054 U	< 0.1 UJ	< 0.093 U	< 0.069 U	< 0.072 U	< 0.088 U	< 0.09 U
SRC1-AK28	0	N	11/14/2008	17	14	7.1	7.8	< 0.98 U	5.2 J	< 1.5 U	< 0.99 U	< 0.94 U
SRC1-AL24	0	N	11/06/2008	< 0.94 U	< 0.39 U	< 0.31 U	< 0.57 U	< 0.077 U	< 0.29 U	< 0.11 U	< 0.21 U	< 0.21 U
SRC1-AL25	0	N	11/10/2008	20 J	4.1 J	9.2 J	11	< 1.2 U	7.4	< 1.2 U	< 2.1 U	< 1.1 U
SRC1-AL27	0	N	11/11/2008	< 0.33 U	< 0.37 U	< 0.24 U	< 0.2 U	< 0.3 U	< 0.19 U	< 0.29 U	< 0.21 U	< 0.27 U
SRC2-AI19CN	0	N	09/16/2009	< 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
SRC2-AI19N	0	N	09/16/2009	120	11	53	49	< 5 U	38	3.5 J	7.4	< 5 U
SRC2-AI19W	0	N	09/16/2009	3.2 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
SRC2-AI19W	0	FD	09/16/2009	8.2	< 5 U	3.3 J	4.4 J	< 5 U	2.6 J	< 5 U	< 5 U	< 5 U
SRC2-J30	0	N	09/14/2009	13	< 5 U	6.8	11	< 5 U	6.2	< 5 U	< 5 U	< 5 U
SRC2-J31	0	N	09/14/2009	5.1	< 5 U	< 5 U	3.6 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
SRC2-J32	0	N	09/14/2009	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
SRC2-J33	0	N	09/17/2009	44 J	4.8 J	23 J	28 J	< 5.3 U	17 J	< 5.3 UJ	3.2 J	< 5.3 UJ
SRC2-J33	0	FD	09/17/2009	57 J	5.8 J	26 J	32 J	< 5.1 U	20 J	< 5.1 UJ	3 J	< 5.1 UJ

All units in pg/g.

-- = no sample data.

[shaded box] = Data not included in risk assessment. Sample location excavated and data replaced with post-excavation data.

TABLE B-3
SOIL DIOXINS/FURANS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Dioxins/Furans 1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDD	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	2,3,7,8-TCDD	OCDF	OCDD	TCDD TEQ
SRC1-AI16	0	N	11/03/2008	< 0.71 U	< 0.4 U	< 0.25 U	< 0.52 U	0.58 J	< 0.23 U	13 J	< 1.7 UJ	0.86
SRC1-AI18	0	N	11/03/2008	20	< 1.3 U	6.8	12	24	0.62 J	280	32	20.7
SRC1-AI19	0	N	10/31/2008	160	12	35	86	28	4.5	1000	48	121
SRC1-AI19	6	N	10/31/2008	< 0.18 UJ	< 0.21 U	< 0.1 UJ	< 0.18 UJ	< 0.36 UJ	< 0.13 UJ	< 1.9 UJ	< 1.2 UJ	0.31
SRC1-AJ19	0	N	11/14/2008	< 0.68 U	< 1.1 U	< 0.62 U	< 0.71 U	< 0.46 U	< 0.6 U	< 1.5 U	< 2.5 U	1.5
SRC1-AJ20	0	N	11/05/2008	8.9	< 0.49 U	2.7 J	4.7 J	7.9	< 0.26 U	110 J	< 4.6 UJ	7.5
SRC1-AJ21	0	N	11/06/2008	< 0.076 U	< 0.19 U	< 0.042 U	< 0.059 U	< 0.084 U	< 0.054 U	< 0.64 U	< 0.14 U	0.28
SRC1-AK21	0	N	11/06/2008	< 1.8 U	< 0.22 UJ	< 0.91 UJ	< 0.94 U	3.5 J	< 0.24 U	31 J	< 1.8 UJ	1.6
SRC1-AK21	0	FD	11/06/2008	< 0.13 U	< 0.13 U	< 0.045 U	< 0.073 U	< 0.13 UJ	< 0.067 U	< 0.85 UJ	< 1 U	0.28
SRC1-AK28	0	N	11/14/2008	4.5 J	< 1.3 U	< 1.4 U	< 2.6 U	4.2	< 0.74 U	69	98	4.8
SRC1-AL24	0	N	11/06/2008	< 0.27 U	< 0.1 U	< 0.12 U	< 0.14 U	< 0.36 U	< 0.057 U	< 4.8 U	< 2.6 U	0.35
SRC1-AL25	0	N	11/10/2008	15 J	< 3.4 UJ	< 2 U	< 13 UJ	52	< 1.4 U	68 J	28 J	14.9
SRC1-AL27	0	N	11/11/2008	< 0.34 U	< 0.65 U	< 0.2 U	< 0.34 U	< 0.22 U	< 0.3 U	< 1 U	< 2.1 U	0.79
SRC2-AI19CN	0	N	09/16/2009	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	0.62 J	< 1 U	< 10 U	< 10 U	6.5
SRC2-AI19N	0	N	09/16/2009	36	3.1 J	8.7	20	32	1.3	350	15	33.2
SRC2-AI19W	0	N	09/16/2009	< 5 U	< 5 U	< 5 U	< 5 U	1.8 J	< 1 U	14 J	< 10 U	6.5
SRC2-AI19W	0	FD	09/16/2009	3.2 J	< 5 U	< 5 U	< 5 U	3.5 J	< 1 U	27 J	< 10 U	7
SRC2-J30	0	N	09/14/2009	7.3	< 5 U	< 5 U	3.7 J	5.7	< 1 U	46 J	< 10 UJ	9.4
SRC2-J31	0	N	09/14/2009	2.5 J	< 5 U	< 5 U	< 5 U	2.8	< 1 U	24	< 10 U	6.7
SRC2-J32	0	N	09/14/2009	< 5 U	< 5 U	< 5 U	< 5 U	0.68 J	< 1 U	< 10 U	< 10 U	6.4
SRC2-J33	0	N	09/17/2009	18 J	< 5.3 UJ	4.2 J	11 J	20 J	0.7 J	250 J	8.3 J	19.2
SRC2-J33	0	FD	09/17/2009	18 J	< 5.1 UJ	4.7 J	10 J	18 J	0.56 J	240 J	11 J	19

All units in pg/g.

-- = no sample data.

[shaded box] = Data not included in risk assessment. Sample location excavated and data replaced with post-excavation data.

TABLE B-4
SOIL GENERAL CHEMISTRY/IONS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				General Chemistry/Ions						
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Ammonia	Bromide	Chlorate	Chloride	Cyanide (Total)	Fluoride	Nitrate (as N)
SRC1-AI16	0	N	11/03/2008	< 0.8 U	< 0.26 U	< 0.54 U	80	0.26 J	0.69 J	6
SRC1-AI16	10	N	11/03/2008	< 0.81 U	2.6	< 0.55 U	250	0.19 J	2.6	1.1
SRC1-AI18	0	N	11/03/2008	< 0.81 U	< 0.26 U	< 0.55 U	2.9	0.22 J	0.82 J	2.9
SRC1-AI18	11	N	11/03/2008	< 0.81 U	< 0.26 U	< 0.55 U	10.4	0.17 J	2.7	7.5
SRC1-AI19	0	N	10/31/2008	< 0.79 U	< 0.25 U	< 0.54 U	6.1	0.33 J	0.94 J	1.3
SRC1-AI19	6	N	10/31/2008	< 0.8 U	1.3 J	< 0.54 U	154	0.2 J	1.4	13.4
SRC1-AI19	16	N	10/31/2008	< 0.82 U	1.3 J	< 0.55 U	346	0.28 J	1.9	1.1
SRC1-AJ19	0	N	11/14/2008	< 0.79 U	< 0.25 U	< 0.54 U	2.7	< 0.08 U	1.6	1.2
SRC1-AJ19	11	N	11/14/2008	< 0.81 U	1.4 J	< 0.55 U	334	< 0.082 U	0.74 J	1.4
SRC1-AJ20	0	N	11/05/2008	< 0.8 U	< 0.26 U	< 0.54 U	3.2	0.18 J	1.1	4.4
SRC1-AJ20	11	N	11/05/2008	< 0.82 U	2.4 J	< 0.55 U	395	< 0.083 U	0.77 J	2.9
SRC1-AJ20	21	N	11/05/2008	< 0.82 U	< 0.26 U	< 0.56 U	90.9	< 0.083 U	1.1	2.2
SRC1-AJ21	0	N	11/06/2008	< 0.8 U	< 0.26 U	< 0.55 U	36.8	< 0.082 U	< 0.1 U	165
SRC1-AJ21	12	N	11/06/2008	< 0.82 U	< 0.26 U	< 0.56 U	18.7	< 0.083 U	2.6	0.75
SRC1-AK21	0	N	11/06/2008	< 0.82 U	< 0.26 U	< 0.55 U	31.1 J	< 0.083 U	< 0.1 UJ	11.9 J
SRC1-AK21	0	FD	11/06/2008	< 0.81 U	< 0.26 U	< 0.55 U	69.8 J	< 0.083 U	1.2 J	25.1 J
SRC1-AK21	8	N	11/06/2008	< 0.82 U	< 0.26 U	< 0.56 U	21.9	< 0.083 U	4.1	2.5
SRC1-AK21	18	N	11/06/2008	< 0.84 U	< 0.27 U	< 0.57 U	36.9	< 0.085 U	4.4	8.5
SRC1-AK28	0	N	11/14/2008	< 0.81 U	< 0.26 U	< 0.55 U	7.3	0.23 J	0.61 J	3.8
SRC1-AK28	11	N	11/14/2008	< 0.82 U	< 0.26 U	< 0.56 U	7.4	0.2 J	< 0.11 U	1.4
SRC1-AL24	0	N	11/06/2008	< 0.82 U	2.3 J	< 0.55 U	88.1	< 0.083 U	2.3	14.9
SRC1-AL24	8	N	11/06/2008	< 0.83 U	< 0.27 U	< 0.56 U	15.5	< 0.084 U	2.8	5.5
SRC1-AL24	18	N	11/06/2008	< 0.84 U	< 0.27 U	< 0.57 U	133	< 0.086 U	2.5	3.4
SRC1-AL25	0	N	11/10/2008	< 0.81 U	< 0.26 U	< 0.55 U	51.2	< 0.082 U	2	145
SRC1-AL25	11	N	11/10/2008	< 0.8 U	< 0.26 U	< 0.55 U	16.1	< 0.082 U	1.7	0.82
SRC1-AL27	0	N	11/11/2008	< 0.82 U	1.1 J	< 0.55 U	4.9	< 0.083 U	0.56 J	9.8
SRC1-AL27	11	N	11/11/2008	< 0.82 U	< 0.26 U	< 0.56 U	17.1	< 0.084 U	1.4	2.7
SRC2-J30	0	N	09/14/2009	0.51	0.29 J	< 0.48 U	360	< 0.11 U	0.34 J	62.7
SRC2-J31	0	N	09/14/2009	0.83	< 0.26 U	< 0.48 U	48.2	< 0.11 U	0.23 J	34.3
SRC2-J32	0	N	09/14/2009	0.49 J	< 0.26 U	< 0.48 U	77.6	< 0.11 U	0.36 J	69.2
SRC2-J33	0	N	09/17/2009	1.5	< 0.28 U	< 0.51 U	9.8 J	0.19 J	1.4	3.7
SRC2-J33	0	FD	09/17/2009	1.4	< 0.26 U	< 0.48 U	12.6 J	< 0.11 U	1.5	4.3

All units in mg/kg.

-- = no sample data.

TABLE B-4
SOIL GENERAL CHEMISTRY/IONS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				General Chemistry/Ions					
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Nitrite (as N)	Orthophosphate as P	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen (TKN)
SRC1-AI16	0	N	11/03/2008	< 0.02 U	< 0.51 U	0.509	510	< 1.8 U	72.4
SRC1-AI16	10	N	11/03/2008	< 0.021 U	< 0.52 U	0.0282 J	219	< 1.9 U	39.9 J
SRC1-AI18	0	N	11/03/2008	< 0.021 U	< 5.1 U	0.0516	11.4	< 1.8 U	161
SRC1-AI18	11	N	11/03/2008	< 0.021 U	< 0.52 U	0.154	41.6	< 1.8 U	145
SRC1-AI19	0	N	10/31/2008	< 0.02 U	< 0.51 U	0.0525	15.6	< 1.8 U	176
SRC1-AI19	6	N	10/31/2008	< 0.021 U	< 0.52 U	0.318	2190	< 1.8 U	162
SRC1-AI19	16	N	10/31/2008	< 0.021 U	< 0.52 U	< 0.0106 U	156	< 1.9 U	62.8
SRC1-AJ19	0	N	11/14/2008	< 0.02 U	1 J	0.0848	61.5	< 1.8 U	91.5
SRC1-AJ19	11	N	11/14/2008	< 0.021 U	< 0.52 U		203	< 1.8 U	38.6 J
SRC1-AJ20	0	N	11/05/2008	< 0.021 U	< 0.51 U	0.078	23.3	< 1.8 U	114
SRC1-AJ20	11	N	11/05/2008	< 0.021 U	< 0.53 U	0.0457	148	< 1.9 U	31.1 J
SRC1-AJ20	21	N	11/05/2008	< 0.021 U	< 0.53 U	3.03	86.8	< 1.9 U	22.9 J
SRC1-AJ21	0	N	11/06/2008	< 0.021 U	11.6	< 0.0108 U	129	< 1.8 U	241 J+
SRC1-AJ21	12	N	11/06/2008	< 0.021 U	< 0.53 U	< 0.0107 U	50.5	< 1.9 U	28.1 J+
SRC1-AK21	0	N	11/06/2008	< 0.021 U	< 0.52 U	0.294 J	99.3	< 1.9 U	82 J+
SRC1-AK21	0	FD	11/06/2008	< 0.021 U	< 0.52 U	0.658 J	154	< 1.9 U	84.8 J+
SRC1-AK21	8	N	11/06/2008	< 0.021 U	< 0.53 U	< 0.0107 U	208	< 1.9 U	69.5 J+
SRC1-AK21	18	N	11/06/2008	< 0.021 U	< 0.54 U	0.0258 J	82.9	< 1.9 U	80.2 J+
SRC1-AK28	0	N	11/14/2008	0.16 J	1.3 J	0.0741	97.7	< 1.8 U	255
SRC1-AK28	11	N	11/14/2008	< 0.021 U	< 0.53 U	< 0.0108 U	27.7	< 1.9 U	28.7 J
SRC1-AL24	0	N	11/06/2008	< 0.021 U	< 0.52 U	0.506	901	< 1.9 U	83.2 J+
SRC1-AL24	8	N	11/06/2008	< 0.021 U	< 0.53 U	0.176	17.1	< 1.9 U	50.8 J+
SRC1-AL24	18	N	11/06/2008	< 0.022 U	< 0.54 U	0.183	141	< 1.9 U	37.9 J+
SRC1-AL25	0	N	11/10/2008	< 0.021 U	11.8	< 0.0104 U	210	< 1.8 U	647
SRC1-AL25	11	N	11/10/2008	< 0.021 U	2.2 J	< 0.0106 U	37.8	< 1.8 U	104
SRC1-AL27	0	N	11/11/2008	< 0.021 U	5.9	< 0.0103 U	14.8	< 1.9 U	68.5
SRC1-AL27	11	N	11/11/2008	< 0.021 U	< 0.53 U	< 0.0106 U	58.8	< 1.9 U	50.5 J
SRC2-J30	0	N	09/14/2009	< 0.034 U	< 0.51 U	0.183	391	20.3	135
SRC2-J31	0	N	09/14/2009	< 0.033 U	5.4	0.0249 J	54.3	20.2	236
SRC2-J32	0	N	09/14/2009	< 0.033 U	< 0.5 U	0.0283 J	101	60.5	154
SRC2-J33	0	N	09/17/2009	0.16 J	< 0.54 U		23.5	< 0.9 U	152 J
SRC2-J33	0	FD	09/17/2009	0.15 J	< 0.51 U		26.7	< 0.84 U	95.3 J

All units in mg/kg.

-- = no sample data.

TABLE B-5
SOIL METALS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Metals							
Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium
SRC1-AI16	0	N	11/03/2008	8250 J	< 0.126 UJ	3	219	0.55	< 6.6 U	0.12	18400
SRC1-AI16	10	N	11/03/2008	8990 J	< 0.126 UJ	4	178	0.65	< 6.6 U	0.12	28300
SRC1-AI18	0	N	11/03/2008	12200 J	< 0.126 UJ	9.5	464	0.82	< 6.6 U	0.34	34200
SRC1-AI18	11	N	11/03/2008	8930 J	< 0.126 UJ	3.9	190	0.63	< 6.6 U	< 0.04 U	22400
SRC1-AI19	0	N	10/31/2008	9830	< 0.126 UJ	8.6	490 J	0.71	< 16.5 U	0.37	22200
SRC1-AI19	6	N	10/31/2008	9970	< 0.126 UJ	2.5	255 J	0.61	6.8 J	0.12	17900
SRC1-AI19	16	N	10/31/2008	10200	< 0.126 UJ	3.9	237 J	0.59	< 6.6 U	< 0.04 U	25200
SRC1-AJ19	0	N	11/14/2008	13200	< 0.315 U	2.5 J	262	0.81	9.9 J	0.15 J	17800
SRC1-AJ19	11	N	11/14/2008	12200	< 0.315 U	2.9 J	314	0.84	9.1 J	0.15 J	13800
SRC1-AJ20	0	N	11/05/2008	11800	< 0.252 UJ	6 J+	358 J+	0.74	< 13.2 U	0.26 J+	26100
SRC1-AJ20	11	N	11/05/2008	10600	< 0.252 UJ	3 J+	209 J+	0.72	< 13.2 U	< 0.08 U	12400
SRC1-AJ20	21	N	11/05/2008	9320	< 0.252 UJ	3.7 J+	185 J+	0.65	< 13.2 U	< 0.08 U	10900
SRC1-AJ21	0	N	11/06/2008	11000	< 0.126 UJ	2.4	218 J	0.53 J	< 6.6 UJ	< 0.04 U	11300 J
SRC1-AJ21	12	N	11/06/2008	12100	< 0.126 UJ	3.1	269 J	0.6	< 6.6 U	< 0.04 U	41500 J
SRC1-AK21	0	N	11/06/2008	15600	< 0.126 UJ	2.6	274 J	0.59	< 6.6 U	0.12	19800 J
SRC1-AK21	0	FD	11/06/2008	15600	< 0.126 UJ	2 J	233 J	0.57	< 6.6 U	0.13	16700 J
SRC1-AK21	8	N	11/06/2008	14800	< 0.126 UJ	2.6	220 J	0.56	< 6.6 U	< 0.04 U	19700 J
SRC1-AK21	18	N	11/06/2008	17300	< 0.126 UJ	3.9	167 J	0.56	< 6.6 U	< 0.04 U	28500 J
SRC1-AK28	0	N	11/14/2008	12400	< 0.315 U	3.4 J	270	0.77	5.8 J	0.22 J	28800
SRC1-AK28	11	N	11/14/2008	11600	< 0.315 U	2.6 J	311	0.61	4.8 J	0.11 J	12200
SRC1-AL24	0	N	11/06/2008	9930	< 0.126 UJ	6.6	239 J	0.53	< 6.6 U	< 0.04 U	32100 J
SRC1-AL24	8	N	11/06/2008	13000	< 0.126 UJ	3.6	221 J	0.54	< 6.6 U	< 0.04 U	18200 J
SRC1-AL24	18	N	11/06/2008	18400	< 0.126 UJ	4.7	254 J	0.73 J	< 6.6 UJ	< 0.04 U	20300 J
SRC1-AL25	0	N	11/10/2008	8750	< 0.252 UJ	4 J	155	0.54	< 13.2 U	< 0.08 U	92200
SRC1-AL25	11	N	11/10/2008	12900	< 0.252 UJ	6.1	165	0.65	< 13.2 U	< 0.08 U	60400
SRC1-AL27	0	N	11/11/2008	12500	< 0.252 UJ	2.3 J	261 J	0.69	< 13.2 U	< 0.08 U	15400
SRC1-AL27	11	N	11/11/2008	13500	< 0.252 UJ	5.8	166 J	0.71	< 13.2 U	< 0.08 U	40300
SRC2-J30	0	N	09/14/2009	12500	< 0.225 UJ	4.3 J	361 J+	0.71	< 2.99 UJ	< 0.04 U	21400 J
SRC2-J31	0	N	09/14/2009	9850	< 0.225 UJ	3.4 J	232 J+	0.65	< 2.99 U	< 0.04 U	14300 J
SRC2-J32	0	N	09/14/2009	11900	< 0.225 UJ	3.3 J	269 J+	0.77	< 2.99 UJ	< 0.04 U	12200 J
SRC2-J33	0	N	09/17/2009	13200	< 0.225 U	6.7	304	0.62	< 2.99 UJ	< 0.04 U	27100
SRC2-J33	0	FD	09/17/2009	12300	< 0.225 U	5.8	269	0.68	< 2.99 UJ	< 0.04 U	21100

All units in mg/kg.

-- = no sample data.

TABLE B-5
SOIL METALS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Metals							
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
SRC1-AI16	0	N	11/03/2008	9.7	0.25 J	8.9	19.1 J-	15400 J	12.1	11.4	9480 J
SRC1-AI16	10	N	11/03/2008	9.7	< 0.1 U	7.9	16.6 J-	14800 J	8.3	15.3	10600 J
SRC1-AI18	0	N	11/03/2008	13.3	0.58	8.7	22.7 J-	15400 J	79.3	13.2	13000 J
SRC1-AI18	11	N	11/03/2008	11.7	0.31 J	8.2	18.7 J-	14800 J	8.3	14.7	9590 J
SRC1-AI19	0	N	10/31/2008	19	0.13 J	14.4	24.5	17900	52.6	8.8	9990
SRC1-AI19	6	N	10/31/2008	12.4	0.18 J	9.7	16.7	18000	11.1	9.2	8250
SRC1-AI19	16	N	10/31/2008	12.4	0.13 J	10.3	17.6	18400	9.2	13.5	9970
SRC1-AJ19	0	N	11/14/2008	19	0.32 J-	11.9	22.3	23700	12	13.8	9930
SRC1-AJ19	11	N	11/14/2008	16.8	0.16 J-	12.5	22.7	23400	11.3	17	10600
SRC1-AJ20	0	N	11/05/2008	16.7	0.13 J	10.1	21.2	18700	26.9	13.1	11300
SRC1-AJ20	11	N	11/05/2008	9.2	< 0.11 U	8.9	17.4	15900	8.9	14.1	9430
SRC1-AJ20	21	N	11/05/2008	9.6	< 0.11 U	10.3	18	18300	10.6	10.9	9080
SRC1-AJ21	0	N	11/06/2008	8.6 J	< 0.1 U	8.7 J	17 J	16600 J	7.7	11.8 J	8760 J
SRC1-AJ21	12	N	11/06/2008	12.2	< 0.11 U	9	16.9 J-	17200 J	8.6	9.9	9240 J
SRC1-AK21	0	N	11/06/2008	12.9	0.23 J	9.4	16.7 J-	18200 J	9.9	9	8900 J
SRC1-AK21	0	FD	11/06/2008	11.2	< 0.1 U	10	18.7 J-	18200 J	8.7	8.5	9520 J
SRC1-AK21	8	N	11/06/2008	12.2	< 0.11 U	8.9	16.8 J-	17500 J	8.2	12.1	9250 J
SRC1-AK21	18	N	11/06/2008	11.2	< 0.11 U	8.9	16.3 J-	16900 J	7.8	15.9	10200 J
SRC1-AK28	0	N	11/14/2008	19.7	0.27 J-	11.9	23.5	23000	18.9	12.1	12100
SRC1-AK28	11	N	11/14/2008	13.1	0.11 J-	9.6	18.3	17100	11.1	12.7	8760
SRC1-AL24	0	N	11/06/2008	9.1	0.23 J	5.7	13 J-	11100 J	5.9	13.3	5530 J
SRC1-AL24	8	N	11/06/2008	11.6	0.17 J	9.2	15.7 J-	16800 J	8.5	11.2	9030 J
SRC1-AL24	18	N	11/06/2008	11.2 J	0.29 J	10.5 J	18.3 J	19400 J	9.2	13.9 J	10800 J
SRC1-AL25	0	N	11/10/2008	14.8	< 0.1 U	10.2	16.9	17300	6.3	10.7	10900
SRC1-AL25	11	N	11/10/2008	16.2	0.12 J	8.6	17.9	18500	8.2	21	15400
SRC1-AL27	0	N	11/11/2008	13.2	0.19 J	12.1	22.4	21700	11.1	10.7	10000
SRC1-AL27	11	N	11/11/2008	14.2	< 0.11 U	10.9	14.7	19200	9.3	17.2	11700
SRC2-J30	0	N	09/14/2009	9.8	< 0.1 U	10.4 J	21.3	15500 J	14.6	11.7	10800
SRC2-J31	0	N	09/14/2009	7.9	< 0.1 U	9.7 J	20.2	14900 J	12.1	9.4	9480
SRC2-J32	0	N	09/14/2009	7.7	< 0.1 U	9.9 J	21.7	17100 J	11.1	13.2	9720
SRC2-J33	0	N	09/17/2009	14.2	< 0.11 U	10.6	23.5	19400	23.1	10.8	11300
SRC2-J33	0	FD	09/17/2009	13.8	< 0.1 U	11.1	24.1	19000	19.3	10.7	11400

All units in mg/kg.
-- = no sample data.

TABLE B-5
SOIL METALS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Metals							
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium
SRC1-AI16	0	N	11/03/2008	845	0.0121 J	1.2	16.3	1960 J	< 24 U	0.12 J	692
SRC1-AI16	10	N	11/03/2008	362	0.0126 J	0.47 J	15.4	1350 J	< 24 U	0.13 J	785
SRC1-AI18	0	N	11/03/2008	1100	0.0438	2.3	18.6	2720 J	< 24 U	0.28 J	452
SRC1-AI18	11	N	11/03/2008	376	< 0.0115 U	0.91 J	16	1200 J	< 24 U	0.13 J	537
SRC1-AI19	0	N	10/31/2008	1800	< 0.0115 U	2.1	18.7	1780	< 24 U	< 0.044 UJ	332
SRC1-AI19	6	N	10/31/2008	526	< 0.0115 U	0.48 J	15.4	1850	< 24 U	< 0.044 UJ	765
SRC1-AI19	16	N	10/31/2008	429	< 0.0115 U	0.53 J	16.2	1360	< 24 U	< 0.044 UJ	843
SRC1-AJ19	0	N	11/14/2008	595	--	0.66 J	21	2520	< 0.4 U	0.21 J	983
SRC1-AJ19	11	N	11/14/2008	586	--	0.51 J	20.7	1400	< 0.4 U	0.25 J	1040
SRC1-AJ20	0	N	11/05/2008	865	< 0.0115 U	< 0.376 U	17.6	2250	< 0.32 U	< 0.088 UJ	608
SRC1-AJ20	11	N	11/05/2008	372	< 0.0115 U	< 0.376 U	15.4	1570	< 0.32 U	< 0.088 UJ	868
SRC1-AJ20	21	N	11/05/2008	483	< 0.0115 U	< 0.376 U	15.7	999	< 0.32 U	< 0.088 UJ	845
SRC1-AJ21	0	N	11/06/2008	419 J	0.0164 J	0.29 J+	12.4 J	924 J	< 0.16 U	0.1 J	630 J
SRC1-AJ21	12	N	11/06/2008	424 J	< 0.0115 U	0.35 J+	14.6	1960 J	< 0.16 U	0.19 J	514 J-
SRC1-AK21	0	N	11/06/2008	524 J	< 0.0115 U	0.39 J+	16	2220 J	< 0.16 U	0.14 J	659 J-
SRC1-AK21	0	FD	11/06/2008	521 J	0.0246 J	0.4 J+	15.2	1840 J	< 0.16 U	0.13 J	519 J-
SRC1-AK21	8	N	11/06/2008	445 J	0.0197 J	0.48 J+	15.3	1490 J	< 0.16 U	0.14 J	752 J-
SRC1-AK21	18	N	11/06/2008	421 J	< 0.0115 U	0.37 J+	14.4	1280 J	< 0.16 U	0.13 J	699 J-
SRC1-AK28	0	N	11/14/2008	643	--	0.69 J	22	2060	< 0.4 U	0.21 J	462
SRC1-AK28	11	N	11/14/2008	609	--	0.41 J	16.5	863	< 0.4 U	0.076 J	1140
SRC1-AL24	0	N	11/06/2008	240 J	0.0271 J	0.49 J+	11.7	1520 J	< 0.16 U	0.2 J	449 J-
SRC1-AL24	8	N	11/06/2008	441 J	< 0.0115 U	0.36 J+	14.5	1450 J	< 0.16 U	0.14 J	684 J-
SRC1-AL24	18	N	11/06/2008	469 J	< 0.0115 U	0.34 J+	17.6 J	1220 J	< 0.16 U	0.13 J	894 J
SRC1-AL25	0	N	11/10/2008	390	< 0.0115 U	< 0.376 U	30.3	1480	< 0.32 U	< 0.088 UJ	423
SRC1-AL25	11	N	11/10/2008	376	< 0.0115 U	< 0.376 U	17.5	1780	< 0.32 U	< 0.088 UJ	602
SRC1-AL27	0	N	11/11/2008	624	< 0.0115 U	< 0.376 U	17.7	2250	< 0.32 U	< 0.088 UJ	521
SRC1-AL27	11	N	11/11/2008	476	< 0.0115 U	0.5 J	15.2	2180	< 0.32 U	< 0.088 UJ	507
SRC2-J30	0	N	09/14/2009	546 J	< 0.005 U	< 0.2 U	16.6	2800	< 0.225 U	0.18 J	1020
SRC2-J31	0	N	09/14/2009	387 J	0.011 J	< 0.2 U	17.3	2090	< 0.225 U	0.2 J	608
SRC2-J32	0	N	09/14/2009	504 J	< 0.005 U	< 0.2 U	15.8	2540	< 0.225 U	0.21 J	605
SRC2-J33	0	N	09/17/2009	848	< 0.005 U	< 0.2 U	17.4	2320	< 0.225 U	0.16 J	659
SRC2-J33	0	FD	09/17/2009	802	< 0.005 U	< 0.2 U	17.8	2160	< 0.225 U	0.14 J	674

All units in mg/kg.
-- = no sample data.

TABLE B-5
SOIL METALS DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Metals							
Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
SRC1-AI16	0	N	11/03/2008	210 J	< 0.3 U	0.46	597 J	0.56 J	1	44.5	38.2
SRC1-AI16	10	N	11/03/2008	335 J	0.32 J	0.45	569 J	0.75 J	1.6	38.6	36.1
SRC1-AI18	0	N	11/03/2008	370 J	0.96	0.97	568 J	3.8	0.96	40	67.2
SRC1-AI18	11	N	11/03/2008	354 J	< 0.3 U	0.42	587 J	< 0.5 U	1.5	37.9	34.4
SRC1-AI19	0	N	10/31/2008	267 J+	0.86	1.3	882	4	1.1	63.3	61.7 J-
SRC1-AI19	6	N	10/31/2008	221 J+	< 0.3 U	0.48	807	< 0.5 U	1	49.1	45 J-
SRC1-AI19	16	N	10/31/2008	370 J+	< 0.3 U	0.53	808	< 0.5 U	1.8	50	39.4 J-
SRC1-AJ19	0	N	11/14/2008	332	0.28 J	0.72 J	1050	0.25 J	1.1	59.2	56.3
SRC1-AJ19	11	N	11/14/2008	332	0.59 J	0.9 J	1270	0.33 J	1.5	71.4	50.4
SRC1-AJ20	0	N	11/05/2008	379	< 0.6 U	< 0.6 U	744	2.1 J-	1.1	53.5 J-	106
SRC1-AJ20	11	N	11/05/2008	353	< 0.6 U	< 0.6 U	573	< 1 UJ	1.2	42.7 J-	42.7
SRC1-AJ20	21	N	11/05/2008	276	< 0.6 U	< 0.6 U	600	< 1 UJ	1.4	51 J-	45.2
SRC1-AJ21	0	N	11/06/2008	235 J	< 0.3 U	< 0.3 U	585 J	< 0.5 UJ	0.85	46.4 J	40.1 J
SRC1-AJ21	12	N	11/06/2008	443 J	< 0.3 U	< 0.3 U	664 J	< 0.5 UJ	1	47.4	41.1 J-
SRC1-AK21	0	N	11/06/2008	310 J	< 0.3 U	0.42 J+	826 J	< 0.5 UJ	0.76	50.8	40.8 J-
SRC1-AK21	0	FD	11/06/2008	254 J	< 0.3 U	< 0.3 U	768 J	< 0.5 UJ	0.7	47.2	41.9 J-
SRC1-AK21	8	N	11/06/2008	316 J	< 0.3 U	< 0.3 U	826 J	< 0.5 UJ	0.87	49.4	38.6 J-
SRC1-AK21	18	N	11/06/2008	262 J	< 0.3 U	< 0.3 U	735 J	< 0.5 UJ	1.3	47.7	37.7 J-
SRC1-AK28	0	N	11/14/2008	315	0.36 J	1.3	1030	0.45 J	1.4	68.4	64
SRC1-AK28	11	N	11/14/2008	301	0.25 J	0.41 J	553	0.25 J	1.3	45.9	50.4
SRC1-AL24	0	N	11/06/2008	213 J	< 0.3 U	< 0.3 U	703 J	< 0.5 UJ	0.93	34.6	25.1 J-
SRC1-AL24	8	N	11/06/2008	300 J	< 0.3 U	< 0.3 U	680 J	< 0.5 UJ	0.73	49.5	39 J-
SRC1-AL24	18	N	11/06/2008	287 J	< 0.3 U	0.45 J+	807 J	< 0.5 UJ	1.3	52.9 J	41.6 J
SRC1-AL25	0	N	11/10/2008	342	< 0.6 U	< 0.6 U	559	< 1 UJ	1.2	47.9	50.2 J-
SRC1-AL25	11	N	11/10/2008	379	< 0.6 U	< 0.6 U	862	< 1 UJ	1.9	57.5	38.6 J-
SRC1-AL27	0	N	11/11/2008	353	< 0.6 U	< 0.6 U	1010 J	< 1 UJ	1.1	63.2 J-	61.5
SRC1-AL27	11	N	11/11/2008	391	< 0.6 U	< 0.6 U	796 J	< 1 UJ	1.3	56.2 J-	48.1
SRC2-J30	0	N	09/14/2009	350 J	< 0.105 U	< 0.75 U	689	< 0.185 UJ	0.84	45.8	48.1
SRC2-J31	0	N	09/14/2009	209 J	< 0.105 U	< 0.75 U	611	< 0.185 UJ	0.78	43.1	46.3
SRC2-J32	0	N	09/14/2009	242 J	< 0.105 U	< 0.75 U	706	< 0.185 UJ	0.84	45.6	50.4
SRC2-J33	0	N	09/17/2009	305	< 0.105 U	< 0.75 U	842	< 0.185 U	1	63.7	93.8
SRC2-J33	0	FD	09/17/2009	267	< 0.105 U	< 0.75 U	868	< 0.185 U	1	60.6	74.4

All units in mg/kg.

-- = no sample data.

TABLE B-6
SOIL ORGANOCHLORINE PESTICIDES DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Organochlorine Pesticides							
				2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane
SRC1-AI16	0	N	11/03/2008	< 0.00031 U	< 0.0002 U	< 0.000091 UJ	< 0.0002 U	< 0.00021 UJ	< 0.000097 U	< 0.00029 U	< 0.00021 U
SRC1-AI16	10	N	11/03/2008	< 0.00032 U	< 0.00021 U	< 0.000093 UJ	< 0.0002 U	< 0.00021 UJ	< 0.000099 U	< 0.00029 U	< 0.00022 U
SRC1-AI18	0	N	11/03/2008	< 0.0016 U	< 0.001 U	< 0.00046 UJ	0.022	0.018 J-	< 0.00049 U	< 0.0015 U	< 0.0011 U
SRC1-AI18	11	N	11/03/2008	< 0.00032 U	< 0.00021 U	< 0.000093 UJ	< 0.0002 U	< 0.00021 UJ	< 0.000099 U	< 0.00029 U	< 0.00022 U
SRC1-AI19	0	N	10/31/2008	< 0.00031 U	0.0071 J+	< 0.00009 U	0.025 J+	0.034 J+	< 0.000096 U	< 0.00029 U	< 0.00021 U
SRC1-AI19	6	N	10/31/2008	< 0.00031 U	< 0.00021 U	< 0.000092 U	< 0.0002 U	< 0.00021 U	< 0.000098 U	< 0.00029 U	< 0.00022 U
SRC1-AI19	16	N	10/31/2008	< 0.00032 U	< 0.00021 U	< 0.000093 U	< 0.0002 U	< 0.00021 U	< 0.000099 U	< 0.0003 U	< 0.00022 U
SRC1-AJ19	0	N	11/14/2008	< 0.00031 U	< 0.0002 U	< 0.00009 U	< 0.0002 U	< 0.00021 U	< 0.000097 U	< 0.00029 U	< 0.00021 U
SRC1-AJ19	11	N	11/14/2008	< 0.00032 U	< 0.00021 U	< 0.000093 U	< 0.0002 U	< 0.00021 U	< 0.000099 U	< 0.00029 U	< 0.00022 U
SRC1-AJ20	0	N	11/05/2008	< 0.00031 U	< 0.00021 U	< 0.000091 U	0.0028	< 0.00021 U	< 0.000097 U	< 0.00029 U	< 0.00022 U
SRC1-AJ20	11	N	11/05/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AJ20	21	N	11/05/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AJ21	0	N	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000092 U	< 0.0002 U	< 0.00021 U	< 0.000098 U	< 0.00029 U	< 0.00022 U
SRC1-AJ21	12	N	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AK21	0	N	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000093 U	< 0.0002 U	< 0.00021 U	< 0.000099 U	< 0.0003 U	< 0.00022 U
SRC1-AK21	0	FD	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000093 U	< 0.0002 U	< 0.00021 U	< 0.000099 U	< 0.00029 U	< 0.00022 U
SRC1-AK21	8	N	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AK21	18	N	11/06/2008	< 0.00033 U	< 0.00021 U	< 0.000096 U	< 0.00021 U	< 0.00022 U	< 0.0001 U	< 0.0003 U	< 0.00023 U
SRC1-AK28	0	N	11/14/2008	< 0.0032 U	< 0.0021 U	< 0.00093 U	< 0.002 U	< 0.0021 U	< 0.00099 U	< 0.0029 U	< 0.0022 U
SRC1-AK28	11	N	11/14/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AL24	0	N	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000093 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AL24	8	N	11/06/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AL24	18	N	11/06/2008	< 0.00033 U	< 0.00022 U	< 0.000096 U	< 0.00021 U	< 0.00022 U	< 0.0001 U	< 0.00031 U	< 0.00023 U
SRC1-AL25	0	N	11/10/2008	< 0.00032 U	< 0.00021 U	< 0.000093 UJ	< 0.0002 U	< 0.00021 UJ	< 0.000099 U	< 0.00029 U	< 0.00022 UJ
SRC1-AL25	11	N	11/10/2008	< 0.00031 U	< 0.00021 U	< 0.000092 UJ	< 0.0002 U	< 0.00021 UJ	< 0.000098 U	< 0.00029 U	< 0.00022 UJ
SRC1-AL27	0	N	11/11/2008	< 0.00032 U	< 0.00021 U	< 0.000093 U	0.0022	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC1-AL27	11	N	11/11/2008	< 0.00032 U	< 0.00021 U	< 0.000094 U	< 0.0002 U	< 0.00021 U	< 0.0001 U	< 0.0003 U	< 0.00022 U
SRC2-J30	0	N	09/14/2009	< 0.00014 U	< 0.00013 U	< 0.00011 U	0.002	< 0.00025 U	< 0.000092 U	< 0.000096 U	< 0.00011 U
SRC2-J31	0	N	09/14/2009	< 0.00014 U	< 0.00013 U	< 0.00011 U	< 0.00043 U	< 0.00025 U	< 0.000092 U	< 0.000095 U	< 0.00011 U
SRC2-J32	0	N	09/14/2009	< 0.00014 U	< 0.00013 U	< 0.00011 U	< 0.00043 U	< 0.00025 U	< 0.000092 U	< 0.000095 U	< 0.0001 U
SRC2-J33	0	N	09/17/2009	< 0.00015 U	0.0025	< 0.00012 U	0.0068	0.0046	< 0.000098 U	< 0.0001 U	< 0.00011 U
SRC2-J33	0	FD	09/17/2009	< 0.00014 U	0.0037	< 0.00011 U	0.0082	0.0058	< 0.000092 U	< 0.000095 U	< 0.00011 U

All units in mg/kg.
-- = no sample data.

TABLE B-6
SOIL ORGANOCHLORINE PESTICIDES DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 2 of 3)

				Organochlorine Pesticides							
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin
SRC1-AI16	0	N	11/03/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000093 U	< 0.00011 U	< 0.000095 U	< 0.00027 UJ	< 0.000085 U
SRC1-AI16	10	N	11/03/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 U	< 0.00027 UJ	< 0.000087 U
SRC1-AI18	0	N	11/03/2008	< 0.00096 U	0.031 J	< 0.00086 U	< 0.00047 U	< 0.00054 U	< 0.00048 U	< 0.0014 UJ	< 0.00043 U
SRC1-AI18	11	N	11/03/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 U	< 0.00027 UJ	< 0.000086 U
SRC1-AI19	0	N	10/31/2008	0.01 J+	< 0.0024 U	< 0.00017 U	< 0.000092 U	< 0.00011 U	< 0.000094 U	< 0.00027 U	< 0.000084 U
SRC1-AI19	6	N	10/31/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000094 U	< 0.00011 U	< 0.000096 U	< 0.00027 U	< 0.000086 U
SRC1-AI19	16	N	10/31/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 U	< 0.00027 U	< 0.000087 U
SRC1-AJ19	0	N	11/14/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000092 U	< 0.00011 U	< 0.000095 U	< 0.00027 U	< 0.000084 U
SRC1-AJ19	11	N	11/14/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 U	< 0.00027 U	< 0.000086 U
SRC1-AJ20	0	N	11/05/2008	0.003	< 0.0024 U	< 0.00017 U	< 0.000093 U	< 0.00011 U	< 0.000095 U	< 0.00027 U	< 0.000085 U
SRC1-AJ20	11	N	11/05/2008	< 0.0002 U	< 0.0024 U	< 0.00018 U	< 0.000096 U	< 0.00011 U	< 0.000098 U	< 0.00028 U	< 0.000087 U
SRC1-AJ20	21	N	11/05/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000096 U	< 0.00011 U	< 0.000098 U	< 0.00028 U	< 0.000088 U
SRC1-AJ21	0	N	11/06/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000094 U	< 0.00011 U	< 0.000096 U	< 0.00027 U	< 0.000086 U
SRC1-AJ21	12	N	11/06/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000096 U	< 0.00011 U	< 0.000098 U	< 0.00028 U	< 0.000088 U
SRC1-AK21	0	N	11/06/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 U	< 0.00027 U	< 0.000087 U
SRC1-AK21	0	FD	11/06/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 U	< 0.00027 U	< 0.000087 U
SRC1-AK21	8	N	11/06/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000096 U	< 0.00011 U	< 0.000098 U	< 0.00028 U	< 0.000087 U
SRC1-AK21	18	N	11/06/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000098 U	< 0.00011 U	< 0.0001 U	< 0.00028 U	< 0.000089 U
SRC1-AK28	0	N	11/14/2008	< 0.0019 U	< 0.024 U	< 0.0017 U	< 0.00095 U	< 0.0011 U	< 0.00097 U	< 0.0027 U	< 0.00087 U
SRC1-AK28	11	N	11/14/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000096 U	< 0.00011 U	< 0.000098 U	< 0.00028 U	< 0.000087 U
SRC1-AL24	0	N	11/06/2008	< 0.0002 U	< 0.0024 U	< 0.00018 U	< 0.000095 U	< 0.00011 U	< 0.000098 U	< 0.00027 U	< 0.000087 U
SRC1-AL24	8	N	11/06/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000097 U	< 0.00011 U	< 0.000099 U	< 0.00028 U	< 0.000088 U
SRC1-AL24	18	N	11/06/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000099 U	< 0.00011 U	< 0.0001 U	< 0.00028 U	< 0.00009 U
SRC1-AL25	0	N	11/10/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000095 U	< 0.00011 U	< 0.000097 UJ	< 0.00027 UJ	< 0.000087 U
SRC1-AL25	11	N	11/10/2008	< 0.00019 U	< 0.0024 U	< 0.00017 U	< 0.000094 U	< 0.00011 U	< 0.000096 UJ	< 0.00027 UJ	< 0.000086 U
SRC1-AL27	0	N	11/11/2008	< 0.0002 U	< 0.0024 U	< 0.00018 U	< 0.000095 U	< 0.00011 U	< 0.000098 U	< 0.00027 U	< 0.000087 U
SRC1-AL27	11	N	11/11/2008	< 0.0002 U	< 0.0025 U	< 0.00018 U	< 0.000096 U	< 0.00011 U	< 0.000098 U	< 0.00028 U	< 0.000088 U
SRC2-J30	0	N	09/14/2009	< 0.00013 U	< 0.0015 U	< 0.00011 U	< 0.000098 U	< 0.000097 U	< 0.00012 U	< 0.00014 U	< 0.00011 U
SRC2-J31	0	N	09/14/2009	< 0.00013 U	< 0.0015 U	< 0.00011 U	< 0.000097 U	< 0.000096 U	< 0.00012 U	< 0.00013 U	< 0.00011 U
SRC2-J32	0	N	09/14/2009	< 0.00013 U	< 0.0015 U	< 0.00011 U	< 0.000097 U	< 0.000096 U	< 0.00011 U	< 0.00013 U	< 0.00011 U
SRC2-J33	0	N	09/17/2009	< 0.00014 U	< 0.0016 U	< 0.00012 U	< 0.0001 U	< 0.0001 U	< 0.00012 U	< 0.00014 U	< 0.00011 U
SRC2-J33	0	FD	09/17/2009	< 0.00013 U	< 0.0015 U	< 0.00011 U	< 0.000098 U	< 0.000096 U	< 0.00012 U	< 0.00014 U	< 0.00011 U

All units in mg/kg.
-- = no sample data.

TABLE B-6
SOIL ORGANOCHLORINE PESTICIDES DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Organochlorine Pesticides							
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
SRC1-AI16	0	N	11/03/2008	< 0.00018 UJ	< 0.00017 UJ	< 0.00013 U	< 0.000085 U	< 0.00018 U	< 0.00013 U	< 0.00032 UJ	< 0.0059 UJ
SRC1-AI16	10	N	11/03/2008	< 0.00019 UJ	< 0.00017 UJ	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 UJ	< 0.0061 UJ
SRC1-AI18	0	N	11/03/2008	< 0.00093 UJ	< 0.00084 UJ	< 0.00064 U	< 0.00043 U	< 0.00089 U	< 0.00068 U	< 0.0016 UJ	< 0.03 UJ
SRC1-AI18	11	N	11/03/2008	< 0.00019 UJ	< 0.00017 UJ	< 0.00013 U	< 0.000086 U	< 0.00018 U	< 0.00014 U	< 0.00033 UJ	< 0.006 UJ
SRC1-AI19	0	N	10/31/2008	< 0.00018 U	< 0.00017 U	< 0.00012 U	< 0.000084 U	< 0.00017 U	< 0.00013 U	< 0.00032 U	< 0.0059 U
SRC1-AI19	6	N	10/31/2008	< 0.00018 U	< 0.00017 U	< 0.00013 U	< 0.000086 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.006 U
SRC1-AI19	16	N	10/31/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AJ19	0	N	11/14/2008	< 0.00018 U	< 0.00017 U	< 0.00012 U	< 0.000084 U	< 0.00017 U	< 0.00013 U	< 0.00032 U	< 0.0059 U
SRC1-AJ19	11	N	11/14/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000086 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.006 U
SRC1-AJ20	0	N	11/05/2008	< 0.00018 U	< 0.00017 U	< 0.00013 U	< 0.000085 U	< 0.00018 U	< 0.00013 U	< 0.00032 U	< 0.006 U
SRC1-AJ20	11	N	11/05/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 UJ
SRC1-AJ20	21	N	11/05/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000088 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AJ21	0	N	11/06/2008	< 0.00018 U	< 0.00017 U	< 0.00013 U	< 0.000086 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.006 U
SRC1-AJ21	12	N	11/06/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000088 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AK21	0	N	11/06/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AK21	0	FD	11/06/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AK21	8	N	11/06/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AK21	18	N	11/06/2008	< 0.00019 U	< 0.00018 U	< 0.00013 U	< 0.000089 U	< 0.00018 U	< 0.00014 U	< 0.00034 U	< 0.0062 U
SRC1-AK28	0	N	11/14/2008	< 0.0019 U	< 0.0017 U	< 0.0013 U	< 0.00087 U	< 0.0018 U	< 0.0014 U	< 0.0033 U	< 0.06 U
SRC1-AK28	11	N	11/14/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AL24	0	N	11/06/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AL24	8	N	11/06/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000088 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0062 U
SRC1-AL24	18	N	11/06/2008	< 0.00019 U	< 0.00018 U	< 0.00013 U	< 0.00009 U	< 0.00019 U	< 0.00014 U	< 0.00034 U	< 0.0063 U
SRC1-AL25	0	N	11/10/2008	< 0.00019 UJ	< 0.00017 UJ	< 0.00013 U	< 0.000087 UJ	< 0.00018 U	< 0.00014 U	< 0.00033 UJ	< 0.006 U
SRC1-AL25	11	N	11/10/2008	< 0.00018 UJ	< 0.00017 UJ	< 0.00013 U	< 0.000086 UJ	< 0.00018 U	< 0.00014 U	< 0.00033 UJ	< 0.006 U
SRC1-AL27	0	N	11/11/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000087 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC1-AL27	11	N	11/11/2008	< 0.00019 U	< 0.00017 U	< 0.00013 U	< 0.000088 U	< 0.00018 U	< 0.00014 U	< 0.00033 U	< 0.0061 U
SRC2-J30	0	N	09/14/2009	< 0.00016 U	< 0.00013 U	< 0.00011 U	< 0.000088 U	< 0.000097 U	< 0.00012 U	< 0.00034 U	< 0.0057 U
SRC2-J31	0	N	09/14/2009	< 0.00015 U	< 0.00013 U	< 0.00011 U	< 0.000088 U	< 0.000096 U	< 0.00012 U	< 0.00034 U	< 0.0057 U
SRC2-J32	0	N	09/14/2009	< 0.00015 U	< 0.00013 U	< 0.0001 U	< 0.000088 U	< 0.000096 U	< 0.00012 U	< 0.00034 U	< 0.0057 U
SRC2-J33	0	N	09/17/2009	< 0.00017 U	< 0.00014 U	< 0.00011 U	< 0.000094 U	< 0.0001 U	< 0.00012 U	< 0.00036 U	< 0.0061 U
SRC2-J33	0	FD	09/17/2009	< 0.00016 U	< 0.00013 U	< 0.00011 U	< 0.000088 U	< 0.000096 U	< 0.00012 U	< 0.00034 U	< 0.0057 U

All units in mg/kg.

-- = no sample data.

TABLE B-7
SOIL POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 2)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Polynuclear Aromatic Hydrocarbons (PAHs)						
				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SRC1-AI16	0	N	11/03/2008	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U
SRC1-AI16	10	N	11/03/2008	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U
SRC1-AI18	0	N	11/03/2008	< 0.00182 U	< 0.00182 U	< 0.00182 U	0.0119	0.0144 J	0.0344 J	0.0723
SRC1-AI18	11	N	11/03/2008	0.0038 J	< 0.00176 U	0.00496 J	0.0162	0.0121 J	0.0173 J	0.0681
SRC1-AI19	0	N	10/31/2008	< 0.00169 U	< 0.00169 U	< 0.00169 U	0.00232 J	0.0037 J	0.00703	0.00383 J
SRC1-AI19	6	N	10/31/2008	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U
SRC1-AI19	16	N	10/31/2008	< 0.00176 U	< 0.00176 U	< 0.00176 U	0.00206 J	< 0.00176 U	< 0.00176 U	< 0.00176 U
SRC1-AJ19	0	N	11/14/2008	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U
SRC1-AJ20	0	N	11/05/2008	< 0.00171 U	0.00315 J	< 0.00171 U	0.0115	0.0128	0.0576	0.0772
SRC1-AJ20	11	N	11/05/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AJ20	21	N	11/05/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AJ21	0	N	11/06/2008	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U
SRC1-AJ21	12	N	11/06/2008	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U
SRC1-AK21	0	N	11/06/2008	< 0.00174 U	< 0.00174 U	0.00375 J	< 0.00174 U	0.0078	0.00974 J	0.011 J
SRC1-AK21	0	FD	11/06/2008	< 0.00175 U	< 0.00175 U	< 0.00175 U	< 0.00175 U	< 0.00175 U	0.00196 J	0.00248 J
SRC1-AK21	8	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AK21	18	N	11/06/2008	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U
SRC1-AK28	0	N	11/14/2008	< 0.00175 U	< 0.00175 U	< 0.00175 U	< 0.00175 U	0.00176 J	0.00311 J	< 0.00175 U
SRC1-AK28	11	N	11/14/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL24	0	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL24	8	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL24	18	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL25	0	N	11/10/2008	< 0.00174 U	< 0.00174 U	< 0.00174 U	< 0.00174 U	< 0.00174 U	< 0.00174 U	< 0.00174 U
SRC1-AL25	11	N	11/10/2008	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U
SRC1-AL27	0	N	11/11/2008	< 0.00171 U	< 0.00171 U	< 0.00171 U	0.00207 J	< 0.00171 U	< 0.00171 U	< 0.00171 U
SRC1-AL27	11	N	11/11/2008	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U
SRC2-J30	0	N	09/14/2009	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U
SRC2-J31	0	N	09/14/2009	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U
SRC2-J32	0	N	09/14/2009	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U

All units in mg/kg.

-- = no sample data.

TABLE B-7
SOIL POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Polynuclear Aromatic Hydrocarbons (PAHs)					
Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
SRC1-AI16	0	N	11/03/2008	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U
SRC1-AI16	10	N	11/03/2008	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U
SRC1-AI18	0	N	11/03/2008	0.00705 J	0.0371	< 0.00182 U	0.0701	0.00542 J	0.0214 J
SRC1-AI18	11	N	11/03/2008	0.00663 J	0.0394	< 0.00176 U	0.0638	0.0225 J	0.0356
SRC1-AI19	0	N	10/31/2008	0.00239 J	0.00374 J	< 0.00169 U	0.00284 J	< 0.00169 U	0.00561 J
SRC1-AI19	6	N	10/31/2008	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U	< 0.00173 U
SRC1-AI19	16	N	10/31/2008	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U
SRC1-AJ19	0	N	11/14/2008	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U
SRC1-AJ20	0	N	11/05/2008	< 0.00171 U	< 0.00171 U	< 0.00171 U	0.0786	< 0.00171 U	< 0.00171 U
SRC1-AJ20	11	N	11/05/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AJ20	21	N	11/05/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AJ21	0	N	11/06/2008	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U	< 0.00179 U
SRC1-AJ21	12	N	11/06/2008	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U	< 0.00181 U
SRC1-AK21	0	N	11/06/2008	0.00607 J	0.0123 J	< 0.00174 U	0.00653 J	0.0172 J	0.0244 J
SRC1-AK21	0	FD	11/06/2008	< 0.00175 U	< 0.00175 U	< 0.00175 U	0.00183 J	< 0.00175 U	0.002 J
SRC1-AK21	8	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AK21	18	N	11/06/2008	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0018 U
SRC1-AK28	0	N	11/14/2008	< 0.00175 U	< 0.00175 U	< 0.00175 U	< 0.00175 U	< 0.00175 U	0.00298 J
SRC1-AK28	11	N	11/14/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL24	0	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL24	8	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL24	18	N	11/06/2008	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U	< 0.00178 U
SRC1-AL25	0	N	11/10/2008	< 0.00174 U	< 0.0145 U	< 0.00174 U	< 0.00174 U	< 0.00174 U	< 0.00174 U
SRC1-AL25	11	N	11/10/2008	< 0.00176 U	< 0.015 U	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U
SRC1-AL27	0	N	11/11/2008	< 0.00171 U	0.0196 J	< 0.00171 U	< 0.00171 U	< 0.00171 U	< 0.00171 U
SRC1-AL27	11	N	11/11/2008	< 0.00176 U	0.019 J	< 0.00176 U	< 0.00176 U	< 0.00176 U	< 0.00176 U
SRC2-J30	0	N	09/14/2009	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U
SRC2-J31	0	N	09/14/2009	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U
SRC2-J32	0	N	09/14/2009	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U	< 0.00169 U

All units in mg/kg.
-- = no sample data.

TABLE B-8
SOIL POLYCHLORINATED BIPHENYLS (PCBs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 2)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Polychlorinated Biphenyls (PCBs)						
				PCB 105 (BZ)	PCB 114 (BZ)	PCB 118 (BZ)	PCB 123 (BZ)	PCB 126 (BZ)	PCB 156 (BZ)	PCB 157 (BZ)
SRC1-AI16	0	N	11/03/2008	< 4.6 U	< 2 U	< 8.7 U	< 2 U	< 2 U	< 2 U	< 2 U
SRC1-AI18	0	N	11/03/2008	260	2.3	430	< 2.1 U	13	90	33
SRC1-AI19	0	N	10/31/2008	500	45	1000	< 2 U	25	150	35
SRC1-AJ19	0	N	11/14/2008	< 2 U	< 2 U	3.3	< 2 U	< 2 U	< 2 U	< 2 U
SRC1-AJ20	0	N	11/05/2008	120	6.4	180	< 2.1 U	4.2	29	7.7
SRC1-AJ21	0	N	11/06/2008	< 2.1 U	< 2.1 U	< 3.4 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U
SRC1-AK21	0	N	11/06/2008	27 J	2.9	55 J	< 2.1 U	< 2.1 U	6.8 J	< 2.1 U
SRC1-AK21	0	FD	11/06/2008	3.4 J	< 2.1 U	< 7.4 UJ	< 2.1 U	< 2.1 U	< 2.1 UJ	< 2.1 U
SRC1-AK28	0	N	11/14/2008	210	13	290	< 2.1 U	3.6	32	7.7
SRC1-AL24	0	N	11/06/2008	4.8	< 2.1 U	12	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U
SRC1-AL25	0	N	11/10/2008	99 J	20 J	200 J	< 2.1 UJ	6.3 J	30	6.1
SRC1-AL27	0	N	11/11/2008	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U
SRC2-AI19CN	0	N	09/16/2009	6.7	< 2 U	15	< 2 U	< 2 U	< 2 U	< 2 U
SRC2-AI19N	0	N	09/16/2009	190	12	400	< 2 U	6.1	50	12
SRC2-AI19W	0	N	09/16/2009	12 J	< 2 U	25 J	< 2 U	< 2 U	2.8 J	< 2 U
SRC2-AI19W	0	FD	09/16/2009	33 J	< 2 U	69 J	< 2 U	< 2 U	7.8 J	2
SRC2-J30	0	N	09/14/2009	56	6.6	110	< 2 U	3.3	18	4.2
SRC2-J31	0	N	09/14/2009	26	2.5	48	< 2 U	< 2 U	7.6	< 2 U
SRC2-J32	0	N	09/14/2009	2.3	< 2 U	3.9	< 2 U	< 2 U	< 2 U	< 2 U
SRC2-J33	0	N	09/17/2009	180	17	340	< 2.2 U	5.6	49	12
SRC2-J33	0	FD	09/17/2009	160	13	290	< 2 U	4.1	40	10

All units in pg/g.

-- = no sample data.

[shaded box] = Data not included in risk assessment. Sample location excavated and data replaced with post-excavation data.

TABLE B-8
SOIL POLYCHLORINATED BIPHENYLS (PCBs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Polychlorinated Biphenyls (PCBs)					
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	PCB 167 (BZ)	PCB 169 (BZ)	PCB 189 (BZ)	PCB 209 (BZ)	PCB 77 (BZ)	PCB 81 (BZ)
SRC1-AI16	0	N	11/03/2008	< 2 U	< 2 U	< 2 U	110	< 2 U	< 2 U
SRC1-AI18	0	N	11/03/2008	55	2.8	36	6600 J	< 2.1 U	< 2.1 U
SRC1-AI19	0	N	10/31/2008	62	3.9	30	5400 J	< 2 U	< 2 U
SRC1-AJ19	0	N	11/14/2008	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
SRC1-AJ20	0	N	11/05/2008	11	< 2.1 U	4.2	1000	< 2.1 U	< 2.1 U
SRC1-AJ21	0	N	11/06/2008	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U
SRC1-AK21	0	N	11/06/2008	2.2	< 2.1 U	< 2.1 U	370 J	< 2.1 U	< 2.1 U
SRC1-AK21	0	FD	11/06/2008	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 UJ	< 2.1 U	< 2.1 U
SRC1-AK28	0	N	11/14/2008	12	< 2.1 U	4.3	690	< 2.1 U	< 2.1 U
SRC1-AL24	0	N	11/06/2008	< 2.1 U	< 2.1 U	< 2.1 U	63	< 2.1 U	< 2.1 U
SRC1-AL25	0	N	11/10/2008	8.7	< 2.1 U	4.6	1300 J	< 2.1 U	< 2.1 U
SRC1-AL27	0	N	11/11/2008	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U
SRC2-AI19CN	0	N	09/16/2009	< 2 U	< 2 U	< 2 U	48	< 2 U	< 2 U
SRC2-AI19N	0	N	09/16/2009	20	< 2 U	10	2100 J	< 2 U	< 2 U
SRC2-AI19W	0	N	09/16/2009	< 2 U	< 2 U	< 2 U	98 J	< 2 U	< 2 U
SRC2-AI19W	0	FD	09/16/2009	3.9	< 2 U	< 2 U	240 J	< 2 U	< 2 U
SRC2-J30	0	N	09/14/2009	9.4	< 2 U	2.9	570	< 2 U	< 2 U
SRC2-J31	0	N	09/14/2009	3.3	< 2 U	< 2 U	180	< 2 U	< 2 U
SRC2-J32	0	N	09/14/2009	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
SRC2-J33	0	N	09/17/2009	24	< 2.2 U	6.8	2100 J	< 2.2 U	< 2.2 U
SRC2-J33	0	FD	09/17/2009	20	< 2 U	5.6	1800	< 2 U	< 2 U

All units in pg/g.
-- = no sample data.
[shaded box] = Data not included in risk assessment. Sample location excavated and data replaced with post-excavation data.

TABLE B-9
SOIL RADIONUCLIDES DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 1)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Radionuclides							
				Radium-226	Radium-228	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
SRC1-AI16	0	N	11/03/2008	1.28	1.37	1.7	1.12	1.14	0.888	< 0.0494 U	1.02
SRC1-AI16	10	N	11/03/2008	1.1	1.51	2.04	1.16	1.59	1.64	< 0.195 U	1.35
SRC1-AI18	0	N	11/03/2008	0.88	1.51	2.23	1.37	2.54	0.839	< 0.0823 U	0.772
SRC1-AI18	11	N	11/03/2008	1.8	2.24	1.33	1.04	1.7	1.24	< 0.0172 U	1.19
SRC1-AI19	0	N	10/31/2008	1.19	1.86	1.92	0.705	1.62 J	0.792	< 0.0646 U	1.31
SRC1-AI19	6	N	10/31/2008	1.05	1.97	1.41	0.885	2.17 J	0.663	< 0.212 U	0.925
SRC1-AI19	16	N	10/31/2008	0.875	2.26	2.17	1.27	2.27 J	1.54	0.246	1.09
SRC1-AJ19	0	N	11/14/2008	< 0.645 U	2.68 J	1.42	< 1 U	1.38	0.696	< 0.0386 U	1.05
SRC1-AJ20	0	N	11/05/2008	1.01	1.63	1.48	< 1 U	1.56	< 1 U	< -0.0233 U	0.855
SRC1-AJ20	11	N	11/05/2008	1.12	1.78	1.51	1.52	1.18	1.25	< 0.237 U	1.19
SRC1-AJ20	21	N	11/05/2008	0.834	1.76	1.98	< 1 U	1.02	1.67	< -0.0136 U	0.939
SRC1-AJ21	0	N	11/06/2008	1.26	2.24	1.96	0.668	1.14	0.931	0.184	0.788
SRC1-AJ21	12	N	11/06/2008	1.39	1.42	1.36	1.13	0.93	1.03	< 0.0428 U	1.03
SRC1-AK21	0	N	11/06/2008	1.43	2.29	1.61	0.848	1.75	0.629	< -0.0355 U	0.737
SRC1-AK21	0	FD	11/06/2008	0.572	1.53	1.8	0.898	1.37	1.03	< 0.0871 U	0.972
SRC1-AK21	8	N	11/06/2008	1.21	1.22	1.36	0.998	0.975	1.06	0.178	0.925
SRC1-AK21	18	N	11/06/2008	0.513	1.98	1.49	1.19	1.34	1.5	< 0.133 U	1.34
SRC1-AK28	0	N	11/14/2008	0.808	2.02 J	1.3	< 1 U	0.893	0.82	< 0.0221 U	0.534
SRC1-AK28	11	N	11/14/2008	1.05	1.3 J	1.8	1.74	1.36	1.07	< 0.0424 U	0.937
SRC1-AL24	0	N	11/06/2008	1.23	1.31	1.54	1.08	1.31	1.05	< 0 U	0.563
SRC1-AL24	8	N	11/06/2008	< 0.154 U	1.34	1.42	0.975	1.27	0.648	< -0.0124 U	1.25
SRC1-AL24	18	N	11/06/2008	1.02	1.09	1.75	0.942	1.44	1.23	< -0.19 U	0.698
SRC1-AL25	0	N	11/10/2008	0.75	2.37	1.89	1.09	1.54	1.14	< 0.054 U	1.09
SRC1-AL25	11	N	11/10/2008	0.78	1.3	1.63	1.1	1.33	1.11	< 0.0308 U	1.07
SRC1-AL27	0	N	11/11/2008	0.745	1.8	1.67	1.08	1.14	0.82	< 0.057 U	1.15
SRC1-AL27	11	N	11/11/2008	0.603	2.51	1.36	1.04	1.77	1.13	0.2	0.891
SRC2-J30	0	N	09/14/2009	1.03	2.15	1.44	1.17	2.16	1.49	< 0.0897 U	1.09
SRC2-J31	0	N	09/14/2009	0.669	1.38	2.07	0.853	1.77	0.873	< -0.044 U	0.614
SRC2-J32	0	N	09/14/2009	0.868	1.62	2.2	1.06	2.67	0.946	< 0.2 U	1.29
SRC2-J33	0	N	09/17/2009	0.773	2.98	1.66	0.831	1.8	0.86	< 0.0733 U	0.568
SRC2-J33	0	FD	09/17/2009	0.858	2.26	1.86	1.09	1.01	0.975	< -0.0453 U	0.917

All units in pCi/g.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
				1,2,4,5-Tetrachlorobenzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.0683 U	< 0.0683 UJ	< 0.113 U	< 0.0683 U	< 0.0683 U	< 0.0683 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.0722 U	< 0.0722 UJ	< 0.119 U	< 0.0722 U	< 0.0722 U	< 0.0722 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.0729 U	< 0.0729 UJ	< 0.12 U	< 0.0729 U	< 0.0729 U	< 0.0729 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.0703 U	< 0.0703 UJ	< 0.116 U	< 0.0703 U	< 0.0703 U	< 0.0703 U
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.0676 U	< 0.0676 UJ	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0676 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.0691 U	< 0.0691 UJ	< 0.114 U	< 0.0691 U	< 0.0691 U	< 0.0691 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.0705 U	< 0.0705 UJ	< 0.116 U	< 0.0705 U	< 0.0705 U	< 0.0705 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.0685 U	< 0.0685 UJ	< 0.113 U	< 0.0685 U	< 0.0685 U	< 0.0685 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.0683 U	< 0.0683 UJ	< 0.0116 U	< 0.0683 U	< 0.0683 U	< 0.0683 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.0711 U	< 0.0711 UJ	< 0.0121 U	< 0.0711 U	< 0.0711 U	< 0.0711 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.0713 U	< 0.0713 UJ	< 0.0121 U	< 0.0713 U	< 0.0713 U	< 0.0713 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.0717 U	< 0.0717 UJ	< 0.118 U	< 0.0717 U	< 0.0717 U	< 0.0717 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.0723 U	< 0.0723 UJ	< 0.119 U	< 0.0723 U	< 0.0723 U	< 0.0723 U
SRC1-AK21	0	N	11/06/2008	< 0.0696 U	< 0.0696 U	< 0.0696 UJ	< 0.115 U	< 0.0696 U	< 0.0696 U	< 0.0696 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.0699 U	< 0.0699 UJ	< 0.115 U	< 0.0699 U	< 0.0699 U	< 0.0699 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.0711 U	< 0.0711 UJ	< 0.117 U	< 0.0711 U	< 0.0711 U	< 0.0711 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.0719 U	< 0.0719 UJ	< 0.119 U	< 0.0719 U	< 0.0719 U	< 0.0719 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.0698 U	< 0.0698 UJ	< 0.115 U	< 0.0698 U	< 0.0698 U	< 0.0698 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.0713 U	< 0.0713 UJ	< 0.118 U	< 0.0713 U	< 0.0713 U	< 0.0713 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.0711 U	< 0.0711 UJ	< 0.117 U	< 0.0711 U	< 0.0711 U	< 0.0711 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.0714 U	< 0.0714 UJ	< 0.118 U	< 0.0714 U	< 0.0714 U	< 0.0714 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.0714 U	< 0.0714 UJ	< 0.118 U	< 0.0714 U	< 0.0714 U	< 0.0714 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.0696 U	< 0.0696 U	< 0.0696 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.116 U	< 0.0704 U	< 0.0704 U	< 0.0704 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.0683 U	< 0.0683 UJ	< 0.113 U	< 0.0683 U	< 0.0683 U	< 0.0683 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.0706 U	< 0.0706 UJ	< 0.116 U	< 0.0706 U	< 0.0706 U	< 0.0706 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0676 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0676 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.112 U	< 0.0677 U	< 0.0677 U	< 0.0677 U

All units in mg/kg.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
				2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.13 U	< 0.0341 U	< 0.0341 U	< 0.012 U	< 0.0683 U	< 0.00683 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.137 U	< 0.0361 U	< 0.0361 U	< 0.0126 U	< 0.0722 U	< 0.00722 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.138 U	< 0.0364 U	< 0.0364 U	< 0.0128 U	< 0.0729 U	< 0.00729 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.134 U	< 0.0351 U	< 0.0351 U	< 0.0123 U	< 0.0703 U	0.0142 J
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.129 U	< 0.0338 U	< 0.0338 U	< 0.0118 U	< 0.0676 U	< 0.00676 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.131 U	< 0.0345 U	< 0.0345 U	< 0.0121 U	< 0.0691 U	< 0.00691 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.134 U	< 0.0352 U	< 0.0352 U	< 0.0123 U	< 0.0705 U	< 0.00705 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.13 U	< 0.0342 U	< 0.0342 U	< 0.012 U	< 0.0685 U	< 0.00685 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.13 U	< 0.0342 U	< 0.0342 U	< 0.012 U	< 0.0683 U	< 0.00683 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.135 U	< 0.0356 U	< 0.0356 U	< 0.0124 U	< 0.0711 U	< 0.00711 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.135 U	< 0.0357 U	< 0.0357 U	< 0.0125 U	< 0.0713 U	< 0.00713 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.136 U	< 0.0359 U	< 0.0359 U	< 0.0126 U	< 0.0717 U	< 0.00717 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.137 U	< 0.0361 U	< 0.0361 U	< 0.0127 U	< 0.0723 U	< 0.00723 U
SRC1-AK21	0	N	11/06/2008	< 0.0696 U	< 0.132 U	< 0.0348 U	< 0.0348 U	< 0.0122 U	< 0.0696 U	< 0.00696 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.133 U	< 0.035 U	< 0.035 U	< 0.0122 U	< 0.0699 U	< 0.00699 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.135 U	< 0.0355 U	< 0.0355 U	< 0.0124 U	< 0.0711 U	< 0.00711 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.137 U	< 0.036 U	< 0.036 U	< 0.0126 U	< 0.0719 U	< 0.00719 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.133 U	< 0.0349 U	< 0.0349 U	< 0.0122 U	< 0.0698 U	< 0.00698 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.136 U	< 0.0357 U	< 0.0357 U	< 0.0125 U	< 0.0713 U	< 0.00713 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.135 U	< 0.0355 U	< 0.0355 U	< 0.0124 U	< 0.0711 U	< 0.00711 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.136 U	< 0.0357 U	< 0.0357 U	< 0.0125 U	< 0.0714 U	< 0.00714 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.136 U	< 0.0357 U	< 0.0357 U	< 0.0125 U	< 0.0714 U	< 0.00714 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.132 U	< 0.0348 U	< 0.0348 U	< 0.0122 U	< 0.0696 U	< 0.00696 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.134 U	< 0.0352 U	< 0.0352 U	< 0.0123 U	< 0.0704 U	< 0.00704 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.13 U	< 0.0341 U	< 0.0341 U	< 0.012 U	< 0.0683 U	< 0.00683 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.134 U	< 0.0353 U	< 0.0353 U	< 0.0123 U	< 0.0706 U	< 0.00706 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.129 U	< 0.0338 U	< 0.0338 U	< 0.0118 U	< 0.0676 U	< 0.00676 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.128 U	< 0.0338 U	< 0.0338 U	< 0.0118 U	< 0.0676 U	< 0.00676 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.129 U	< 0.0339 U	< 0.0339 U	< 0.0119 U	< 0.0677 U	< 0.00677 U

All units in mg/kg.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Semi-Volatile Organic Compounds (SVOCs)						
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	2-Nitroaniline	2-Nitrophenol	3,3-Dichlorobenzidine	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.0341 U	< 0.102 U	< 0.0683 U	< 0.0341 U	< 0.0341 U	< 0.0341 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.0361 U	< 0.108 U	< 0.0722 U	< 0.0361 U	< 0.0361 U	< 0.0361 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.0364 U	< 0.109 U	< 0.0729 U	< 0.0364 U	< 0.0364 U	< 0.0364 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.0351 U	< 0.105 U	< 0.0703 U	< 0.0351 U	< 0.0351 U	< 0.0351 U
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.0338 U	< 0.101 U	< 0.0676 U	< 0.0338 U	< 0.0338 U	< 0.0338 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.0345 U	< 0.104 U	< 0.0691 U	< 0.0345 U	< 0.0345 U	< 0.0345 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.0352 U	< 0.106 U	< 0.0705 U	< 0.0352 U	< 0.0352 U	< 0.0352 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.0342 U	< 0.103 U	< 0.0685 UJ	< 0.0342 U	< 0.0342 U	< 0.0342 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.0342 U	< 0.103 U	< 0.0683 UJ	< 0.0342 U	< 0.0342 U	< 0.0342 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.0356 U	< 0.107 U	< 0.0711 UJ	< 0.0356 U	< 0.0356 U	< 0.0356 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.0357 U	< 0.107 U	< 0.0713 UJ	< 0.0357 U	< 0.0357 U	< 0.0357 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.0359 U	< 0.108 U	< 0.0717 UJ	< 0.0359 U	< 0.0359 U	< 0.0359 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.0361 U	< 0.108 U	< 0.0723 UJ	< 0.0361 U	< 0.0361 U	< 0.0361 U
SRC1-AK21	0	N	11/06/2008	< 0.0696 U	< 0.0348 U	< 0.104 U	< 0.0696 UJ	< 0.0348 U	< 0.0348 U	< 0.0348 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.035 U	< 0.105 U	< 0.0699 UJ	< 0.035 U	< 0.035 U	< 0.035 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.0355 U	< 0.107 U	< 0.0711 UJ	< 0.0355 U	< 0.0355 U	< 0.0355 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.036 U	< 0.108 U	< 0.0719 UJ	< 0.036 U	< 0.036 U	< 0.036 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.0349 U	< 0.105 U	< 0.0698 UJ	< 0.0349 U	< 0.0349 U	< 0.0349 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.0357 U	< 0.107 U	< 0.0713 UJ	< 0.0357 U	< 0.0357 U	< 0.0357 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.0355 U	< 0.107 U	< 0.0711 UJ	< 0.0355 U	< 0.0355 U	< 0.0355 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.0357 U	< 0.107 U	< 0.0714 UJ	< 0.0357 U	< 0.0357 U	< 0.0357 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.0357 U	< 0.107 U	< 0.0714 UJ	< 0.0357 U	< 0.0357 U	< 0.0357 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.0348 U	< 0.104 U	< 0.0696 U	< 0.0348 U	< 0.0348 U	< 0.0348 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.0352 U	< 0.106 U	< 0.0704 U	< 0.0352 U	< 0.0352 U	< 0.0352 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.0341 U	< 0.102 U	< 0.0683 U	< 0.0341 U	< 0.0341 U	< 0.0341 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.0353 U	< 0.106 U	< 0.0706 UJ	< 0.0353 U	< 0.0353 U	< 0.0353 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.0338 U	< 0.101 U	< 0.0676 U	< 0.0338 U	< 0.0338 U	< 0.0338 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.0338 U	< 0.101 U	< 0.0676 U	< 0.0338 U	< 0.0338 U	< 0.0338 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.0339 U	< 0.102 U	< 0.0677 U	< 0.0339 U	< 0.0339 U	< 0.0339 U

All units in mg/kg.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
				4-Chlorothioanisole	4-Nitroaniline	4-Nitrophenol	Acetophenone	Aniline	Benzenethiol	Benzoic acid
SRC1-AI16	0	N	11/03/2008	< 0.113 U	< 0.0683 U	< 0.0683 U	< 0.0341 U	< 0.12 U	< 0.113 U	< 0.171 U
SRC1-AI16	10	N	11/03/2008	< 0.119 U	< 0.0722 U	< 0.0722 U	< 0.0361 U	< 0.126 U	< 0.119 U	< 0.18 U
SRC1-AI18	0	N	11/03/2008	< 0.12 U	< 0.0729 U	< 0.0729 U	0.0453 J	< 0.128 U	< 0.12 U	< 0.182 U
SRC1-AI18	11	N	11/03/2008	< 0.116 U	< 0.0703 U	< 0.0703 U	< 0.0351 U	< 0.123 U	< 0.116 U	< 0.176 U
SRC1-AI19	0	N	10/31/2008	< 0.112 U	< 0.0676 UJ	< 0.0676 U	< 0.0338 U	< 0.118 U	< 0.112 U	< 0.169 U
SRC1-AI19	6	N	10/31/2008	< 0.114 U	< 0.0691 UJ	< 0.0691 U	< 0.0345 U	< 0.121 U	< 0.114 U	< 0.173 U
SRC1-AI19	16	N	10/31/2008	< 0.116 U	< 0.0705 UJ	< 0.0705 U	< 0.0352 U	< 0.123 U	< 0.116 U	< 0.176 U
SRC1-AJ19	0	N	11/14/2008	< 0.113 U	< 0.0685 UJ	< 0.0685 U	< 0.0342 U	< 0.12 U	< 0.113 U	< 0.171 U
SRC1-AJ20	0	N	11/05/2008	< 0.0396 U	< 0.0683 U	< 0.0683 U	< 0.0342 UJ	< 0.12 U	< 0.226 U	< 0.171 U
SRC1-AJ20	11	N	11/05/2008	< 0.0412 U	< 0.0711 U	< 0.0711 U	< 0.0356 UJ	< 0.124 U	< 0.235 U	< 0.178 U
SRC1-AJ20	21	N	11/05/2008	< 0.0414 U	< 0.0713 U	< 0.0713 U	< 0.0357 UJ	< 0.125 U	< 0.235 U	< 0.178 U
SRC1-AJ21	0	N	11/06/2008	< 0.118 U	< 0.0717 UJ	< 0.0717 UJ	< 0.0359 U	< 0.126 U	< 0.118 U	< 0.179 U
SRC1-AJ21	12	N	11/06/2008	< 0.119 U	< 0.0723 UJ	< 0.0723 UJ	< 0.0361 U	< 0.127 U	< 0.119 U	< 0.181 U
SRC1-AK21	0	N	11/06/2008	< 0.115 U	< 0.0696 UJ	< 0.0696 UJ	< 0.0348 U	< 0.122 U	< 0.115 U	< 0.174 U
SRC1-AK21	0	FD	11/06/2008	< 0.115 U	< 0.0699 UJ	< 0.0699 UJ	< 0.035 U	< 0.122 U	< 0.115 U	< 0.175 U
SRC1-AK21	8	N	11/06/2008	< 0.117 U	< 0.0711 UJ	< 0.0711 UJ	< 0.0355 U	< 0.124 U	< 0.117 U	< 0.178 U
SRC1-AK21	18	N	11/06/2008	< 0.119 U	< 0.0719 UJ	< 0.0719 UJ	< 0.036 U	< 0.126 U	< 0.119 U	< 0.18 U
SRC1-AK28	0	N	11/14/2008	< 0.115 U	< 0.0698 UJ	< 0.0698 U	< 0.0349 U	< 0.122 U	< 0.115 U	< 0.175 U
SRC1-AK28	11	N	11/14/2008	< 0.118 U	< 0.0713 UJ	< 0.0713 U	< 0.0357 U	< 0.125 U	< 0.118 U	< 0.178 U
SRC1-AL24	0	N	11/06/2008	< 0.117 U	< 0.0711 UJ	< 0.0711 UJ	< 0.0355 U	< 0.124 U	< 0.117 U	< 0.178 U
SRC1-AL24	8	N	11/06/2008	< 0.118 U	< 0.0714 UJ	< 0.0714 UJ	< 0.0357 U	< 0.125 U	< 0.118 U	< 0.178 U
SRC1-AL24	18	N	11/06/2008	< 0.118 U	< 0.0714 UJ	< 0.0714 UJ	< 0.0357 U	< 0.125 U	< 0.118 U	< 0.178 U
SRC1-AL25	0	N	11/10/2008	< 0.115 U	< 0.0696 U	< 0.0696 U	< 0.0348 U	< 0.122 U	< 0.115 U	< 0.174 U
SRC1-AL25	11	N	11/10/2008	< 0.116 U	< 0.0704 U	< 0.0704 U	< 0.0352 U	< 0.123 U	< 0.116 U	< 0.176 U
SRC1-AL27	0	N	11/11/2008	< 0.113 U	< 0.0683 UJ	< 0.0683 U	< 0.0341 U	< 0.12 U	< 0.113 U	< 0.171 U
SRC1-AL27	11	N	11/11/2008	< 0.116 U	< 0.0706 UJ	< 0.0706 U	< 0.0353 U	< 0.123 U	< 0.116 U	< 0.176 UJ
SRC2-J30	0	N	09/14/2009	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0338 U	< 0.118 U	< 0.112 U	< 0.169 U
SRC2-J31	0	N	09/14/2009	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0338 U	< 0.118 U	< 0.112 U	< 0.169 U
SRC2-J32	0	N	09/14/2009	< 0.112 U	< 0.0677 U	< 0.0677 U	< 0.0339 U	< 0.119 U	< 0.112 U	< 0.169 U

All units in mg/kg.
-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 5 of 10)

				Semi-Volatile Organic Compounds (SVOCs)						
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis(p-Chlorophenyl) sulfone	bis(p-Chlorophenyl)disulfide
SRC1-AI16	0	N	11/03/2008	< 0.102 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.113 U
SRC1-AI16	10	N	11/03/2008	< 0.108 U	< 0.0722 U	< 0.0722 U	< 0.0722 U	< 0.0722 U	< 0.119 U	< 0.119 U
SRC1-AI18	0	N	11/03/2008	< 0.109 U	< 0.0729 U	< 0.0729 U	< 0.0729 U	< 0.0729 U	< 0.12 U	< 0.12 U
SRC1-AI18	11	N	11/03/2008	< 0.105 U	< 0.0703 U	< 0.0703 U	< 0.0703 U	0.0877 J	< 0.116 U	< 0.116 U
SRC1-AI19	0	N	10/31/2008	< 0.101 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.112 U
SRC1-AI19	6	N	10/31/2008	< 0.104 U	< 0.0691 U	< 0.0691 U	< 0.0691 U	< 0.0691 U	< 0.114 U	< 0.114 U
SRC1-AI19	16	N	10/31/2008	< 0.106 U	< 0.0705 U	< 0.0705 U	< 0.0705 U	< 0.0705 U	< 0.116 U	< 0.116 U
SRC1-AJ19	0	N	11/14/2008	< 0.103 U	< 0.0685 U	< 0.0685 U	< 0.0685 U	< 0.0685 U	< 0.113 U	< 0.113 U
SRC1-AJ20	0	N	11/05/2008	< 0.103 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.00786 U	< 0.0294 U
SRC1-AJ20	11	N	11/05/2008	< 0.107 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.00818 U	< 0.0306 U
SRC1-AJ20	21	N	11/05/2008	< 0.107 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0082 U	< 0.0307 U
SRC1-AJ21	0	N	11/06/2008	< 0.108 U	< 0.0717 U	< 0.0717 U	< 0.0717 U	< 0.0717 U	< 0.118 U	< 0.118 U
SRC1-AJ21	12	N	11/06/2008	< 0.108 U	< 0.0723 U	< 0.0723 U	< 0.0723 U	< 0.0723 U	< 0.119 U	< 0.119 U
SRC1-AK21	0	N	11/06/2008	< 0.104 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.115 U
SRC1-AK21	0	FD	11/06/2008	< 0.105 U	< 0.0699 U	< 0.0699 U	< 0.0699 U	< 0.0699 U	< 0.115 U	< 0.115 U
SRC1-AK21	8	N	11/06/2008	< 0.107 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.117 U
SRC1-AK21	18	N	11/06/2008	< 0.108 U	< 0.0719 U	< 0.0719 U	< 0.0719 U	< 0.0719 U	< 0.119 U	< 0.119 U
SRC1-AK28	0	N	11/14/2008	< 0.105 U	< 0.0698 U	< 0.0698 U	< 0.0698 U	< 0.0698 U	< 0.115 U	< 0.115 U
SRC1-AK28	11	N	11/14/2008	< 0.107 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.118 U	< 0.118 U
SRC1-AL24	0	N	11/06/2008	< 0.107 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.117 U
SRC1-AL24	8	N	11/06/2008	< 0.107 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.118 U
SRC1-AL24	18	N	11/06/2008	< 0.107 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.118 U
SRC1-AL25	0	N	11/10/2008	< 0.104 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.115 U
SRC1-AL25	11	N	11/10/2008	< 0.106 U	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.116 U	< 0.116 U
SRC1-AL27	0	N	11/11/2008	< 0.102 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.113 U
SRC1-AL27	11	N	11/11/2008	< 0.106 U	< 0.0706 U	< 0.0706 U	< 0.0706 U	< 0.0706 U	< 0.116 U	< 0.116 U
SRC2-J30	0	N	09/14/2009	< 0.101 UJ	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.112 U
SRC2-J31	0	N	09/14/2009	< 0.101 UJ	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.112 U
SRC2-J32	0	N	09/14/2009	< 0.102 UJ	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.112 U	< 0.112 U

All units in mg/kg.
-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
				Butylbenzyl phthalate	Carbazole	Dibenzofuran	Dichloromethyl ether	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.0102 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.0683 U	< 0.0341 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.0108 U	< 0.0722 U	< 0.119 U	< 0.0722 U	< 0.0722 U	< 0.0361 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.0109 U	< 0.0729 U	< 0.12 U	< 0.0729 U	< 0.0729 U	< 0.0364 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.0105 U	< 0.0703 U	< 0.116 U	< 0.0703 U	< 0.0703 U	< 0.0351 U
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.0101 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0338 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.0104 U	< 0.0691 U	< 0.114 U	< 0.0691 U	< 0.0691 U	< 0.0345 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.0106 U	< 0.0705 U	< 0.116 U	< 0.0705 U	< 0.0705 U	< 0.0352 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.0103 U	< 0.0685 U	< 0.113 U	< 0.0685 U	< 0.0685 U	< 0.0342 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.0103 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.0683 U	< 0.0342 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.0107 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.0711 U	< 0.0356 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.0107 U	< 0.0713 U	< 0.118 U	< 0.0713 U	< 0.0713 U	< 0.0357 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.0108 U	< 0.0717 U	< 0.118 U	< 0.0717 U	< 0.0717 U	< 0.0359 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.0108 U	< 0.0723 U	< 0.119 U	< 0.0723 U	< 0.0723 U	< 0.0361 U
SRC1-AK21	0	N	11/06/2008	0.0722 J	< 0.0104 U	< 0.0696 U	< 0.115 U	< 0.0696 U	< 0.0696 U	< 0.0348 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.0105 U	< 0.0699 U	< 0.115 U	< 0.0699 U	< 0.0699 U	< 0.035 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.0107 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.0711 U	< 0.0355 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.0108 U	< 0.0719 U	< 0.119 U	< 0.0719 U	< 0.0719 U	< 0.036 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.0105 U	< 0.0698 U	< 0.115 U	< 0.0698 U	< 0.0698 U	< 0.0349 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.0107 U	< 0.0713 U	< 0.118 U	< 0.0713 U	< 0.0713 U	< 0.0357 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.0107 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.0711 U	< 0.0355 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.0107 U	< 0.0714 U	< 0.118 U	< 0.0714 U	< 0.0714 U	< 0.0357 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.0107 U	< 0.0714 U	< 0.118 U	< 0.0714 U	< 0.0714 U	< 0.0357 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.0104 U	< 0.0696 U	< 0.115 U	< 0.0696 U	< 0.0696 U	< 0.0348 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.0106 U	< 0.0704 U	< 0.116 U	< 0.0704 U	< 0.0704 U	< 0.0352 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.0102 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.0683 U	< 0.0341 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.0106 U	< 0.0706 U	< 0.116 U	< 0.0706 U	< 0.0706 U	< 0.0353 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.0101 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0338 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.0101 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.0676 U	< 0.0338 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.0102 U	< 0.0677 U	< 0.112 U	< 0.0677 U	< 0.0677 U	< 0.0339 U

All units in mg/kg.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
				Di-n-octyl phthalate	Diphenyl disulfide	Diphenyl sulfide	Diphenyl sulfone	Diphenylamine	Fluoranthene	Fluorene
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.113 U	< 0.113 U	< 0.113 U	< 0.0683 U	< 0.0102 U	< 0.0102 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.0722 U	< 0.0108 U	< 0.0108 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.0729 U	0.0195 J	< 0.0109 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.116 U	< 0.116 U	< 0.116 U	< 0.0703 U	0.0323 J	< 0.0105 U
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.112 U	< 0.112 U	< 0.112 U	< 0.0676 U	< 0.0101 U	< 0.0101 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.114 U	< 0.114 U	< 0.114 U	< 0.0691 U	< 0.0104 U	< 0.0104 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.116 U	< 0.116 U	< 0.116 U	< 0.0705 U	< 0.0106 U	< 0.0106 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.113 U	< 0.113 U	< 0.113 U	< 0.0685 U	< 0.0103 U	< 0.0103 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.0277 U	< 0.0287 U	< 0.0181 U	< 0.0683 U	< 0.0103 U	< 0.0103 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.0288 U	< 0.0299 U	< 0.0188 U	< 0.0711 U	< 0.0107 U	< 0.0107 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.0289 U	< 0.03 U	< 0.0189 U	< 0.0713 U	< 0.0107 U	< 0.0107 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.118 U	< 0.118 U	< 0.118 U	< 0.0717 U	< 0.0108 U	< 0.0108 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.0723 U	< 0.0108 U	< 0.0108 U
SRC1-AK21	0	N	11/06/2008	< 0.0696 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.0696 U	0.0223 J	< 0.0104 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.0699 U	< 0.0105 U	< 0.0105 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.0711 U	< 0.0107 U	< 0.0107 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.0719 U	< 0.0108 U	< 0.0108 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.0698 U	< 0.0105 U	< 0.0105 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.118 U	< 0.118 U	< 0.118 U	< 0.0713 U	< 0.0107 U	< 0.0107 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.0711 U	< 0.0107 U	< 0.0107 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.118 U	< 0.118 U	< 0.118 U	< 0.0714 U	< 0.0107 U	< 0.0107 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.118 U	< 0.118 U	< 0.118 U	< 0.0714 U	< 0.0107 U	< 0.0107 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.0696 U	< 0.0104 U	< 0.0104 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.116 U	< 0.116 U	< 0.116 U	< 0.0704 U	< 0.0106 U	< 0.0106 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.113 U	< 0.113 U	< 0.113 U	< 0.0683 U	< 0.0102 U	< 0.0102 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.116 U	< 0.116 U	< 0.116 U	< 0.0706 U	< 0.0106 U	< 0.0106 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.112 U	< 0.112 U	< 0.112 U	< 0.0676 U	< 0.0101 U	< 0.0101 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.112 U	< 0.112 U	< 0.112 U	< 0.0676 U	< 0.0101 U	< 0.0101 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.112 U	< 0.112 U	< 0.112 U	< 0.0677 U	< 0.0102 U	< 0.0102 U

All units in mg/kg.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)						
				Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone	m,p-Cresols
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.137 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.0722 U	< 0.0722 U	< 0.0722 U	< 0.119 U	< 0.0722 U	< 0.144 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.0729 U	< 0.0729 U	< 0.0729 U	< 0.12 U	< 0.0729 U	< 0.146 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.0703 U	< 0.0703 U	< 0.0703 U	< 0.116 U	< 0.0703 U	< 0.141 U
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.135 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.0691 U	< 0.0691 U	< 0.0691 U	< 0.114 U	< 0.0691 U	< 0.138 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.0705 U	< 0.0705 U	< 0.0705 U	< 0.116 U	< 0.0705 U	< 0.141 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.0685 U	< 0.0685 U	< 0.0685 U	< 0.113 U	< 0.0685 U	< 0.137 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0509 U	< 0.0683 U	< 0.137 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.053 U	< 0.0711 U	< 0.142 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0531 U	< 0.0713 U	< 0.143 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.0717 U	< 0.0717 U	< 0.0717 U	< 0.118 U	< 0.0717 U	< 0.143 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.0723 U	< 0.0723 U	< 0.0723 U	< 0.119 U	< 0.0723 U	< 0.145 U
SRC1-AK21	0	N	11/06/2008	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.0696 U	< 0.139 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.0699 U	< 0.0699 U	< 0.0699 U	< 0.115 U	< 0.0699 U	< 0.14 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.142 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.0719 U	< 0.0719 U	< 0.0719 U	< 0.119 U	< 0.0719 U	< 0.144 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.0698 U	< 0.0698 U	< 0.0698 U	< 0.115 U	< 0.0698 U	< 0.14 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.118 U	< 0.0713 U	< 0.143 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.142 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.0714 U	< 0.143 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.0714 U	< 0.143 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 UJ	< 0.0696 U	< 0.139 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.116 UJ	< 0.0704 U	< 0.141 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.137 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.0706 U	< 0.0706 UJ	< 0.0706 U	< 0.116 U	< 0.0706 U	< 0.141 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.135 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.135 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.112 U	< 0.0677 U	< 0.135 U

All units in mg/kg.

-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 9 of 10)

				Semi-Volatile Organic Compounds (SVOCs)						
Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Naphthalene	Nitrobenzene	N-nitrosodi-n-propylamine	o-Cresol	Octachlorostyrene	p-Chloroaniline	p-Chlorobenzenethiol
SRC1-AI16	0	N	11/03/2008	< 0.0102 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.113 U
SRC1-AI16	10	N	11/03/2008	< 0.0108 U	< 0.0722 U	< 0.0722 U	< 0.0722 U	< 0.119 U	< 0.0722 U	< 0.119 U
SRC1-AI18	0	N	11/03/2008	< 0.0109 U	< 0.0729 U	< 0.0729 U	< 0.0729 U	< 0.12 U	< 0.0729 U	< 0.12 U
SRC1-AI18	11	N	11/03/2008	< 0.0105 U	< 0.0703 U	< 0.0703 U	< 0.0703 U	< 0.116 U	< 0.0703 U	< 0.116 U
SRC1-AI19	0	N	10/31/2008	< 0.0101 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.112 U
SRC1-AI19	6	N	10/31/2008	< 0.0104 U	< 0.0691 U	< 0.0691 U	< 0.0691 U	< 0.114 U	< 0.0691 U	< 0.114 U
SRC1-AI19	16	N	10/31/2008	< 0.0106 U	< 0.0705 U	< 0.0705 U	< 0.0705 U	< 0.116 U	< 0.0705 U	< 0.116 U
SRC1-AJ19	0	N	11/14/2008	< 0.0103 U	< 0.0685 U	< 0.0685 U	< 0.0685 U	< 0.113 U	< 0.0685 U	< 0.113 U
SRC1-AJ20	0	N	11/05/2008	< 0.0103 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0195 U	< 0.0683 U	< 0.226 U
SRC1-AJ20	11	N	11/05/2008	< 0.0107 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.0203 U	< 0.0711 U	< 0.235 U
SRC1-AJ20	21	N	11/05/2008	< 0.0107 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.0203 U	< 0.0713 U	< 0.235 U
SRC1-AJ21	0	N	11/06/2008	< 0.0108 U	< 0.0717 U	< 0.0717 U	< 0.0717 U	< 0.118 U	< 0.0717 U	< 0.118 U
SRC1-AJ21	12	N	11/06/2008	< 0.0108 U	< 0.0723 U	< 0.0723 U	< 0.0723 U	< 0.119 U	< 0.0723 U	< 0.119 U
SRC1-AK21	0	N	11/06/2008	< 0.0104 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.0696 U	< 0.115 U
SRC1-AK21	0	FD	11/06/2008	< 0.0105 U	< 0.0699 U	< 0.0699 U	< 0.0699 U	< 0.115 U	< 0.0699 U	< 0.115 U
SRC1-AK21	8	N	11/06/2008	< 0.0107 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.117 U
SRC1-AK21	18	N	11/06/2008	< 0.0108 U	< 0.0719 U	< 0.0719 U	< 0.0719 U	< 0.119 U	< 0.0719 U	< 0.119 U
SRC1-AK28	0	N	11/14/2008	< 0.0105 U	< 0.0698 U	< 0.0698 U	< 0.0698 U	< 0.115 U	< 0.0698 U	< 0.115 U
SRC1-AK28	11	N	11/14/2008	< 0.0107 U	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.118 U	< 0.0713 U	< 0.118 U
SRC1-AL24	0	N	11/06/2008	< 0.0107 U	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.0711 U	< 0.117 U
SRC1-AL24	8	N	11/06/2008	< 0.0107 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.0714 U	< 0.118 U
SRC1-AL24	18	N	11/06/2008	< 0.0107 U	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.0714 U	< 0.118 U
SRC1-AL25	0	N	11/10/2008	< 0.0104 U	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.0696 U	< 0.115 U
SRC1-AL25	11	N	11/10/2008	< 0.0106 U	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.116 U	< 0.0704 U	< 0.116 U
SRC1-AL27	0	N	11/11/2008	< 0.0102 U	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.0683 U	< 0.113 U
SRC1-AL27	11	N	11/11/2008	< 0.0106 U	< 0.0706 U	< 0.0706 U	< 0.0706 U	< 0.116 U	< 0.0706 U	< 0.116 U
SRC2-J30	0	N	09/14/2009	< 0.0101 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.112 U
SRC2-J31	0	N	09/14/2009	< 0.0101 U	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U	< 0.112 U
SRC2-J32	0	N	09/14/2009	< 0.0102 U	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.112 U	< 0.0677 U	< 0.112 U

All units in mg/kg.
-- = no sample data.

TABLE B-10
SOIL SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 10 of 10)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Semi-Volatile Organic Compounds (SVOCs)				
				Pentachlorobenzene	Pentachlorophenol	Phenol	Phthalic acid	Pyridine
SRC1-AI16	0	N	11/03/2008	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 U	< 0.0683 U
SRC1-AI16	10	N	11/03/2008	< 0.0722 U	< 0.0722 U	< 0.0722 U	< 0.119 U	< 0.0722 U
SRC1-AI18	0	N	11/03/2008	< 0.0729 U	< 0.0729 U	< 0.0729 U	< 0.12 U	< 0.0729 U
SRC1-AI18	11	N	11/03/2008	< 0.0703 U	< 0.0703 U	< 0.0703 U	< 0.505 U	< 0.0703 U
SRC1-AI19	0	N	10/31/2008	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 U	< 0.0676 U
SRC1-AI19	6	N	10/31/2008	< 0.0691 U	< 0.0691 U	< 0.0691 U	< 0.114 U	< 0.0691 U
SRC1-AI19	16	N	10/31/2008	< 0.0705 U	< 0.0705 U	< 0.0705 U	< 0.116 U	< 0.0705 U
SRC1-AJ19	0	N	11/14/2008	< 0.0685 U	< 0.0685 U	< 0.0685 U	< 0.113 U	< 0.0685 U
SRC1-AJ20	0	N	11/05/2008	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.0202 U	< 0.0683 U
SRC1-AJ20	11	N	11/05/2008	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.021 U	< 0.0711 U
SRC1-AJ20	21	N	11/05/2008	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.021 U	< 0.0713 U
SRC1-AJ21	0	N	11/06/2008	< 0.0717 U	< 0.0717 U	< 0.0717 U	< 0.118 U	< 0.0717 U
SRC1-AJ21	12	N	11/06/2008	< 0.0723 U	< 0.0723 U	< 0.0723 U	< 0.119 U	< 0.0723 U
SRC1-AK21	0	N	11/06/2008	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 U	< 0.0696 U
SRC1-AK21	0	FD	11/06/2008	< 0.0699 U	< 0.0699 U	< 0.0699 U	< 0.115 U	< 0.0699 U
SRC1-AK21	8	N	11/06/2008	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.0711 U
SRC1-AK21	18	N	11/06/2008	< 0.0719 U	< 0.0719 U	< 0.0719 U	< 0.119 U	< 0.0719 U
SRC1-AK28	0	N	11/14/2008	< 0.0698 U	< 0.0698 U	< 0.0698 U	< 0.115 U	< 0.0698 U
SRC1-AK28	11	N	11/14/2008	< 0.0713 U	< 0.0713 U	< 0.0713 U	< 0.118 U	< 0.0713 U
SRC1-AL24	0	N	11/06/2008	< 0.0711 U	< 0.0711 U	< 0.0711 U	< 0.117 U	< 0.0711 U
SRC1-AL24	8	N	11/06/2008	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.0714 U
SRC1-AL24	18	N	11/06/2008	< 0.0714 U	< 0.0714 U	< 0.0714 U	< 0.118 U	< 0.0714 U
SRC1-AL25	0	N	11/10/2008	< 0.0696 U	< 0.0696 U	< 0.0696 U	< 0.115 UJ	< 0.0696 U
SRC1-AL25	11	N	11/10/2008	< 0.0704 U	< 0.0704 U	< 0.0704 U	< 0.116 UJ	< 0.0704 U
SRC1-AL27	0	N	11/11/2008	< 0.0683 U	< 0.0683 U	< 0.0683 U	< 0.113 UJ	< 0.0683 U
SRC1-AL27	11	N	11/11/2008	< 0.0706 U	< 0.0706 U	< 0.0706 U	< 0.116 U	< 0.0706 U
SRC2-J30	0	N	09/14/2009	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 UJ	< 0.0676 U
SRC2-J31	0	N	09/14/2009	< 0.0676 U	< 0.0676 U	< 0.0676 U	< 0.112 UJ	< 0.0676 U
SRC2-J32	0	N	09/14/2009	< 0.0677 U	< 0.0677 U	< 0.0677 U	< 0.112 UJ	< 0.0677 U

All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Volatile Organic Compounds (VOCs)						
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene
SRC1-AI16	0	N	11/03/2008	< 0.00018 U	< 0.00011 U	< 0.00008 U	< 0.000068 U	< 0.000071 U	< 0.00012 U	< 0.000089 U
SRC1-AI16	10	N	11/03/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.00007 U	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AI18	0	N	11/03/2008	< 0.00018 U	< 0.00011 U	< 0.000081 U	< 0.000069 U	< 0.000072 U	< 0.00012 U	< 0.00009 U
SRC1-AI18	11	N	11/03/2008	< 0.00019 U	< 0.00011 U	< 0.000081 UJ	< 0.00007 U	< 0.000073 U	< 0.00012 U	< 0.00009 U
SRC1-AI19	0	N	10/31/2008	< 0.00018 U	< 0.00011 U	< 0.000079 UJ	< 0.000068 U	< 0.000071 U	< 0.00012 U	< 0.000088 U
SRC1-AI19	6	N	10/31/2008	< 0.00018 U	< 0.00011 U	< 0.00008 U	< 0.000069 U	< 0.000072 U	< 0.00012 U	< 0.00009 U
SRC1-AI19	16	N	10/31/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.00007 U	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AJ19	0	N	11/14/2008	< 0.00018 U	< 0.00011 U	< 0.000079 U	< 0.000068 U	< 0.000071 U	< 0.00012 U	< 0.000088 U
SRC1-AJ19	11	N	11/14/2008	< 0.00019 U	< 0.00011 U	< 0.000081 U	< 0.00007 U	< 0.000073 U	< 0.00012 U	< 0.000091 U
SRC1-AJ20	0	N	11/05/2008	< 0.00018 U	< 0.00011 U	< 0.00008 UJ	< 0.000069 U	< 0.000072 U	< 0.00012 U	< 0.000089 U
SRC1-AJ20	11	N	11/05/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.00007 U	< 0.000074 U	< 0.00013 U	< 0.000091 U
SRC1-AJ20	21	N	11/05/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.000071 U	< 0.000074 U	< 0.00013 U	< 0.000092 U
SRC1-AJ21	0	N	11/06/2008	< 0.00018 U	< 0.00011 U	< 0.000081 U	< 0.000069 U	< 0.000072 U	< 0.00012 U	< 0.00009 U
SRC1-AJ21	12	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000082 UJ	< 0.000071 U	< 0.000074 U	< 0.00013 U	< 0.000092 U
SRC1-AK21	0	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.00007 U	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AK21	0	FD	11/06/2008	< 0.00019 UJ	< 0.00011 UJ	< 0.000082 UJ	< 0.00007 UJ	< 0.000073 UJ	< 0.00013 UJ	< 0.000091 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000082 UJ	< 0.000071 U	< 0.000074 U	< 0.00013 U	< 0.000092 U
SRC1-AK21	18	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000084 U	< 0.000072 U	< 0.000075 U	< 0.00013 U	< 0.000094 U
SRC1-AK28	0	N	11/14/2008	< 0.00019 U	< 0.00011 U	< 0.000081 U	< 0.00007 U	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AK28	11	N	11/14/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.000071 U	< 0.000074 U	< 0.00013 U	< 0.000092 U
SRC1-AL24	0	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.00007 U	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AL24	8	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000083 U	< 0.000071 U	< 0.000074 U	< 0.00013 U	< 0.000092 U
SRC1-AL24	18	N	11/06/2008	< 0.00019 U	< 0.00011 U	< 0.000085 U	< 0.000073 U	< 0.000076 U	< 0.00013 U	< 0.000094 U
SRC1-AL25	0	N	11/10/2008	< 0.00019 UJ	< 0.00011 U	< 0.000081 UJ	< 0.00007 UJ	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AL25	11	N	11/10/2008	< 0.00018 UJ	< 0.00011 U	< 0.000081 UJ	< 0.000069 UJ	< 0.000072 U	< 0.00012 U	< 0.00009 U
SRC1-AL27	0	N	11/11/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.00007 U	< 0.000073 U	< 0.00013 U	< 0.000091 U
SRC1-AL27	11	N	11/11/2008	< 0.00019 U	< 0.00011 U	< 0.000082 U	< 0.000071 U	< 0.000074 U	< 0.00013 U	< 0.000092 U
SRC2-J30	0	N	09/14/2009	< 0.00038 U	< 0.00024 U	< 0.00045 UJ	< 0.00036 U	< 0.00037 U	< 0.00024 U	< 0.00022 U
SRC2-J31	0	N	09/14/2009	< 0.00038 UJ	< 0.00024 U	< 0.00045 UJ	< 0.00036 UJ	< 0.00037 U	< 0.00024 U	< 0.00022 U
SRC2-J32	0	N	09/14/2009	< 0.00038 U	< 0.00024 U	< 0.00044 UJ	< 0.00036 U	< 0.00037 U	< 0.00024 U	< 0.00022 U
SRC2-J33	0	N	09/17/2009	< 0.00041 U	< 0.00025 U	< 0.00048 U	< 0.00039 U	< 0.0004 UJ	< 0.00025 U	< 0.00024 U
SRC2-J33	0	FD	09/17/2009	< 0.00038 U	< 0.00024 U	< 0.00045 U	< 0.00036 U	< 0.00037 U	< 0.00024 UJ	< 0.00022 U

All units in mg/kg.

-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene
SRC1-AI16	0	N	11/03/2008	< 0.0004 U	< 0.00026 U	< 0.00034 U	< 0.00014 U	< 0.00012 U	< 0.000067 U	< 0.00011 U
SRC1-AI16	10	N	11/03/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AI18	0	N	11/03/2008	< 0.0004 U	< 0.00026 U	< 0.00034 U	< 0.00014 U	< 0.00013 U	< 0.000068 U	< 0.00011 U
SRC1-AI18	11	N	11/03/2008	< 0.0004 UJ	< 0.00026 UJ	< 0.00034 UJ	< 0.00014 UJ	< 0.00013 UJ	< 0.000069 U	< 0.00011 U
SRC1-AI19	0	N	10/31/2008	< 0.00039 UJ	< 0.00025 UJ	< 0.00033 UJ	0.0051 J	< 0.00012 UJ	< 0.000067 U	< 0.00011 U
SRC1-AI19	6	N	10/31/2008	< 0.0004 U	< 0.00026 U	< 0.00034 U	< 0.00014 U	< 0.00012 U	< 0.000068 U	< 0.00011 U
SRC1-AI19	16	N	10/31/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AJ19	0	N	11/14/2008	< 0.00039 U	< 0.00025 U	< 0.00034 U	< 0.00014 U	< 0.00012 U	< 0.000067 U	< 0.00011 U
SRC1-AJ19	11	N	11/14/2008	< 0.0004 U	< 0.00026 U	< 0.00034 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AJ20	0	N	11/05/2008	< 0.0004 UJ	< 0.00026 UJ	< 0.00034 UJ	< 0.00014 UJ	< 0.00012 UJ	< 0.000068 U	< 0.00011 U
SRC1-AJ20	11	N	11/05/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AJ20	21	N	11/05/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.00007 U	< 0.00011 U
SRC1-AJ21	0	N	11/06/2008	< 0.0004 U	< 0.00026 U	< 0.00034 U	< 0.00014 U	< 0.00012 U	< 0.000068 U	< 0.00011 U
SRC1-AJ21	12	N	11/06/2008	< 0.00041 UJ	< 0.00026 UJ	< 0.00035 UJ	< 0.00014 UJ	< 0.00013 UJ	< 0.00007 U	< 0.00011 U
SRC1-AK21	0	N	11/06/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AK21	0	FD	11/06/2008	< 0.00041 UJ	< 0.00026 UJ	< 0.00035 UJ	< 0.00014 UJ	< 0.00013 UJ	< 0.000069 UJ	< 0.00011 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00041 UJ	< 0.00026 UJ	< 0.00035 UJ	< 0.00014 UJ	< 0.00013 UJ	< 0.00007 U	< 0.00011 U
SRC1-AK21	18	N	11/06/2008	< 0.00042 U	< 0.00027 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000071 U	< 0.00012 U
SRC1-AK28	0	N	11/14/2008	< 0.0004 U	< 0.00026 U	< 0.00034 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AK28	11	N	11/14/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00014 U	< 0.00007 U	< 0.00011 U
SRC1-AL24	0	N	11/06/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AL24	8	N	11/06/2008	< 0.00041 U	< 0.00027 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.00007 U	< 0.00011 U
SRC1-AL24	18	N	11/06/2008	< 0.00042 U	< 0.00027 U	< 0.00036 U	< 0.00014 U	< 0.00013 U	< 0.000072 U	< 0.00012 U
SRC1-AL25	0	N	11/10/2008	< 0.0004 UJ	< 0.00026 UJ	< 0.00034 UJ	< 0.00014 UJ	< 0.00013 UJ	< 0.000069 U	< 0.00011 U
SRC1-AL25	11	N	11/10/2008	< 0.0004 UJ	< 0.00026 UJ	< 0.00034 UJ	< 0.00014 UJ	< 0.00012 UJ	< 0.000068 U	< 0.00011 U
SRC1-AL27	0	N	11/11/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.000069 U	< 0.00011 U
SRC1-AL27	11	N	11/11/2008	< 0.00041 U	< 0.00026 U	< 0.00035 U	< 0.00014 U	< 0.00013 U	< 0.00007 U	< 0.00011 U
SRC2-J30	0	N	09/14/2009	< 0.00046 UJ	< 0.00049 UJ	< 0.00031 UJ	< 0.0004 UJ	< 0.00036 UJ	< 0.00033 U	< 0.00063 U
SRC2-J31	0	N	09/14/2009	< 0.00046 UJ	< 0.00049 UJ	< 0.00031 UJ	< 0.0004 UJ	< 0.00036 UJ	< 0.00032 U	< 0.00063 U
SRC2-J32	0	N	09/14/2009	< 0.00045 UJ	< 0.00049 UJ	< 0.00031 UJ	< 0.0004 UJ	< 0.00036 UJ	< 0.00032 U	< 0.00063 U
SRC2-J33	0	N	09/17/2009	< 0.00049 U	< 0.00052 U	< 0.00033 U	< 0.00043 U	< 0.00038 U	< 0.00035 U	< 0.00067 UJ
SRC2-J33	0	FD	09/17/2009	< 0.00046 U	< 0.00049 U	< 0.00031 U	< 0.0004 U	< 0.00036 U	< 0.00033 U	< 0.00063 UJ

All units in mg/kg.

-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Volatile Organic Compounds (VOCs)						
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2,3-Trimethylbutane
SRC1-AI16	0	N	11/03/2008	< 0.00011 U	< 0.00038 U	< 0.000099 U	< 0.00013 U	< 0.000052 U	< 0.00014 U	< 0.00021 U
SRC1-AI16	10	N	11/03/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AI18	0	N	11/03/2008	< 0.00011 U	< 0.00038 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AI18	11	N	11/03/2008	< 0.00011 U	< 0.00038 UJ	< 0.0001 UJ	< 0.00014 UJ	< 0.000053 U	< 0.00014 UJ	< 0.00022 U
SRC1-AI19	0	N	10/31/2008	< 0.00011 U	< 0.00037 UJ	0.00021 J	< 0.00013 UJ	< 0.000052 U	< 0.00014 UJ	< 0.00021 U
SRC1-AI19	6	N	10/31/2008	< 0.00011 U	< 0.00038 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AI19	16	N	10/31/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AJ19	0	N	11/14/2008	< 0.00011 U	< 0.00038 U	< 0.000099 U	< 0.00013 U	< 0.000052 U	< 0.00014 U	< 0.00021 U
SRC1-AJ19	11	N	11/14/2008	< 0.00011 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AJ20	0	N	11/05/2008	< 0.00011 U	< 0.00038 UJ	< 0.0001 UJ	< 0.00013 UJ	< 0.000052 U	< 0.00014 UJ	< 0.00022 U
SRC1-AJ20	11	N	11/05/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000054 U	< 0.00014 U	< 0.00022 U
SRC1-AJ20	21	N	11/05/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000054 U	< 0.00014 U	< 0.00022 U
SRC1-AJ21	0	N	11/06/2008	< 0.00011 U	< 0.00038 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AJ21	12	N	11/06/2008	< 0.00012 U	< 0.00039 UJ	< 0.0001 UJ	< 0.00014 UJ	< 0.000054 U	< 0.00014 UJ	< 0.00022 U
SRC1-AK21	0	N	11/06/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AK21	0	FD	11/06/2008	< 0.00012 UJ	< 0.00039 UJ	< 0.0001 UJ	< 0.00014 UJ	< 0.000053 UJ	< 0.00014 UJ	< 0.00022 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00012 U	< 0.00039 UJ	< 0.0001 UJ	< 0.00014 UJ	< 0.000054 U	< 0.00014 UJ	< 0.00022 U
SRC1-AK21	18	N	11/06/2008	< 0.00012 U	< 0.0004 U	< 0.0001 U	< 0.00014 U	< 0.000055 U	< 0.00015 U	< 0.00023 U
SRC1-AK28	0	N	11/14/2008	< 0.00011 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AK28	11	N	11/14/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000054 U	< 0.00014 U	< 0.00022 U
SRC1-AL24	0	N	11/06/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000054 U	< 0.00014 U	< 0.00022 U
SRC1-AL24	8	N	11/06/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000054 U	< 0.00014 U	< 0.00022 U
SRC1-AL24	18	N	11/06/2008	< 0.00012 U	< 0.0004 U	< 0.00011 U	< 0.00014 U	< 0.000055 U	< 0.00015 U	< 0.00023 U
SRC1-AL25	0	N	11/10/2008	< 0.00011 U	< 0.00039 UJ	< 0.0001 UJ	< 0.00014 UJ	< 0.000053 UJ	< 0.00014 UJ	< 0.00022 UJ
SRC1-AL25	11	N	11/10/2008	< 0.00011 U	< 0.00038 UJ	< 0.0001 UJ	< 0.00014 UJ	< 0.000053 UJ	< 0.00014 UJ	< 0.00022 UJ
SRC1-AL27	0	N	11/11/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000053 U	< 0.00014 U	< 0.00022 U
SRC1-AL27	11	N	11/11/2008	< 0.00012 U	< 0.00039 U	< 0.0001 U	< 0.00014 U	< 0.000054 U	< 0.00014 U	< 0.00022 U
SRC2-J30	0	N	09/14/2009	< 0.00038 U	< 0.00052 UJ	< 0.00025 UJ	< 0.00044 UJ	< 0.00042 U	< 0.00031 UJ	< 0.00053 U
SRC2-J31	0	N	09/14/2009	< 0.00037 U	< 0.00051 UJ	< 0.00025 UJ	< 0.00044 UJ	< 0.00042 UJ	< 0.00031 UJ	< 0.00053 U
SRC2-J32	0	N	09/14/2009	< 0.00037 U	< 0.00051 UJ	< 0.00025 UJ	< 0.00044 UJ	< 0.00041 U	< 0.00031 UJ	< 0.00053 U
SRC2-J33	0	N	09/17/2009	< 0.0004 UJ	< 0.00055 U	< 0.00027 U	< 0.00047 U	< 0.00044 U	< 0.00033 U	< 0.00057 U
SRC2-J33	0	FD	09/17/2009	< 0.00037 UJ	< 0.00051 U	< 0.00025 U	< 0.00044 U	< 0.00042 U	< 0.00031 U	< 0.00053 U

All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane
SRC1-AI16	0	N	11/03/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00025 U	< 0.00024 U	< 0.00021 U
SRC1-AI16	10	N	11/03/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AI18	0	N	11/03/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AI18	11	N	11/03/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 UJ	< 0.00025 U	< 0.00021 U
SRC1-AI19	0	N	10/31/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00025 UJ	< 0.00024 U	< 0.00021 U
SRC1-AI19	6	N	10/31/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00025 U	< 0.00024 U	< 0.00021 U
SRC1-AI19	16	N	10/31/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AJ19	0	N	11/14/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00025 U	< 0.00024 U	< 0.00021 U
SRC1-AJ19	11	N	11/14/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AJ20	0	N	11/05/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00025 UJ	< 0.00024 U	< 0.00021 U
SRC1-AJ20	11	N	11/05/2008	< 0.00024 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AJ20	21	N	11/05/2008	< 0.00024 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AJ21	0	N	11/06/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00024 U	< 0.00021 U
SRC1-AJ21	12	N	11/06/2008	< 0.00025 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 UJ	< 0.00025 U	< 0.00021 U
SRC1-AK21	0	N	11/06/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AK21	0	FD	11/06/2008	< 0.00024 UJ	< 0.00029 UJ	< 0.00023 UJ	< 0.0002 UJ	< 0.00026 UJ	< 0.00025 UJ	< 0.00021 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00024 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 UJ	< 0.00025 U	< 0.00021 U
SRC1-AK21	18	N	11/06/2008	< 0.00025 U	< 0.0003 U	< 0.00024 U	< 0.00021 U	< 0.00027 U	< 0.00025 U	< 0.00022 U
SRC1-AK28	0	N	11/14/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AK28	11	N	11/14/2008	< 0.00024 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AL24	0	N	11/06/2008	< 0.00024 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AL24	8	N	11/06/2008	< 0.00025 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00022 U
SRC1-AL24	18	N	11/06/2008	< 0.00025 U	< 0.0003 U	< 0.00024 U	< 0.00021 U	< 0.00027 U	< 0.00026 U	< 0.00022 U
SRC1-AL25	0	N	11/10/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 UJ	< 0.00025 UJ	< 0.00021 U
SRC1-AL25	11	N	11/10/2008	< 0.00024 U	< 0.00028 U	< 0.00023 U	< 0.0002 U	< 0.00026 UJ	< 0.00024 UJ	< 0.00021 U
SRC1-AL27	0	N	11/11/2008	< 0.00024 U	< 0.00029 U	< 0.00023 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC1-AL27	11	N	11/11/2008	< 0.00025 U	< 0.00029 U	< 0.00024 U	< 0.0002 U	< 0.00026 U	< 0.00025 U	< 0.00021 U
SRC2-J30	0	N	09/14/2009	< 0.00031 U	< 0.00053 U	< 0.00044 U	< 0.00049 U	< 0.00034 UJ	< 0.00028 U	< 0.00051 U
SRC2-J31	0	N	09/14/2009	< 0.00031 U	< 0.00053 U	< 0.00044 U	< 0.00049 U	< 0.00034 UJ	< 0.00028 UJ	< 0.00051 U
SRC2-J32	0	N	09/14/2009	< 0.00031 U	< 0.00053 U	< 0.00044 U	< 0.00049 U	< 0.00034 UJ	< 0.00028 U	< 0.00051 U
SRC2-J33	0	N	09/17/2009	< 0.00033 U	< 0.00057 U	< 0.00047 U	< 0.00052 U	< 0.00036 U	< 0.0003 U	< 0.00054 U
SRC2-J33	0	FD	09/17/2009	< 0.00031 U	< 0.00053 U	< 0.00044 U	< 0.00049 U	< 0.00034 U	< 0.00028 U	< 0.00051 U

All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone (MIBK)	Acetone
SRC1-AI16	0	N	11/03/2008	< 0.00061 U	< 0.00021 U	< 0.00021 U	< 0.00014 U	< 0.00017 U	< 0.00029 U	0.02 J
SRC1-AI16	10	N	11/03/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	0.026
SRC1-AI18	0	N	11/03/2008	< 0.00062 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AI18	11	N	11/03/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 UJ	< 0.0003 U	0.026
SRC1-AI19	0	N	10/31/2008	< 0.00061 U	< 0.00021 U	< 0.00021 U	< 0.00014 U	< 0.00017 UJ	< 0.00029 U	0.055
SRC1-AI19	6	N	10/31/2008	< 0.00062 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.00018 U	< 0.0003 U	0.0071 J
SRC1-AI19	16	N	10/31/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AJ19	0	N	11/14/2008	< 0.00061 U	< 0.00021 U	< 0.00021 U	< 0.00014 U	< 0.00017 U	< 0.00029 U	< 0.0017 U
SRC1-AJ19	11	N	11/14/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AJ20	0	N	11/05/2008	< 0.00062 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.00018 UJ	< 0.0003 U	0.018 J
SRC1-AJ20	11	N	11/05/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	0.0083 J
SRC1-AJ20	21	N	11/05/2008	< 0.00064 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	0.0073 J
SRC1-AJ21	0	N	11/06/2008	< 0.00062 U	< 0.00021 U	< 0.00022 U	< 0.00014 U	< 0.00018 U	< 0.0003 U	0.0028 J
SRC1-AJ21	12	N	11/06/2008	< 0.00064 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 UJ	< 0.0003 U	< 0.0018 U
SRC1-AK21	0	N	11/06/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AK21	0	FD	11/06/2008	< 0.00063 UJ	< 0.00021 UJ	< 0.00022 UJ	< 0.00015 UJ	< 0.00018 UJ	< 0.0003 UJ	0.013 J
SRC1-AK21	8	N	11/06/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 UJ	< 0.0003 U	0.012 J
SRC1-AK21	18	N	11/06/2008	< 0.00065 U	< 0.00022 U	< 0.00023 U	< 0.00015 U	< 0.00018 U	< 0.00031 U	0.0084 J
SRC1-AK28	0	N	11/14/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AK28	11	N	11/14/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AL24	0	N	11/06/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	0.0057 J
SRC1-AL24	8	N	11/06/2008	< 0.00064 U	< 0.00022 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.00031 U	< 0.0018 U
SRC1-AL24	18	N	11/06/2008	< 0.00065 U	< 0.00022 U	< 0.00023 U	< 0.00015 U	< 0.00019 U	< 0.00031 U	< 0.0018 U
SRC1-AL25	0	N	11/10/2008	< 0.00063 UJ	< 0.00021 U	< 0.00022 U	< 0.00015 UJ	< 0.00018 UJ	< 0.0003 UJ	0.021 J+
SRC1-AL25	11	N	11/10/2008	< 0.00062 UJ	< 0.00021 U	< 0.00022 U	< 0.00014 UJ	< 0.00018 UJ	< 0.0003 UJ	0.021 J+
SRC1-AL27	0	N	11/11/2008	< 0.00063 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC1-AL27	11	N	11/11/2008	< 0.00064 U	< 0.00021 U	< 0.00022 U	< 0.00015 U	< 0.00018 U	< 0.0003 U	< 0.0018 U
SRC2-J30	0	N	09/14/2009	< 0.00032 U	< 0.00048 U	< 0.00045 U	< 0.00047 U	< 0.00025 UJ	< 0.00031 U	< 0.0066 UJ
SRC2-J31	0	N	09/14/2009	< 0.00032 UJ	< 0.00048 U	< 0.00045 U	< 0.00047 U	< 0.00025 UJ	< 0.00031 UJ	< 0.0065 UJ
SRC2-J32	0	N	09/14/2009	< 0.00032 U	< 0.00048 U	< 0.00045 U	< 0.00047 U	< 0.00025 UJ	< 0.00031 U	< 0.0065 UJ
SRC2-J33	0	N	09/17/2009	< 0.00034 U	< 0.00051 U	< 0.00048 U	< 0.0005 U	< 0.00027 U	< 0.00033 U	0.014 J
SRC2-J33	0	FD	09/17/2009	< 0.00032 U	< 0.00048 U	< 0.00045 U	< 0.00047 U	< 0.00025 U	< 0.00031 U	0.01 J

All units in mg/kg.

-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide
SRC1-AI16	0	N	11/03/2008	< 0.0055 UJ	< 0.000089 U	< 0.00012 U	< 0.00022 U	< 0.00006 U	< 0.00013 U	< 0.00012 U
SRC1-AI16	10	N	11/03/2008	< 0.0057 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AI18	0	N	11/03/2008	< 0.0056 UJ	< 0.00009 U	< 0.00013 U	< 0.00022 U	< 0.000061 U	< 0.00013 U	< 0.00013 U
SRC1-AI18	11	N	11/03/2008	< 0.0056 UJ	< 0.00009 U	< 0.00013 UJ	< 0.00022 U	< 0.000061 U	< 0.00014 U	< 0.00013 U
SRC1-AI19	0	N	10/31/2008	< 0.0055 UJ	< 0.000088 U	< 0.00012 UJ	< 0.00022 U	< 0.00006 U	< 0.00013 U	< 0.00012 U
SRC1-AI19	6	N	10/31/2008	< 0.0056 UJ	< 0.00009 U	< 0.00012 U	< 0.00022 U	< 0.000061 U	< 0.00013 U	< 0.00012 U
SRC1-AI19	16	N	10/31/2008	< 0.0057 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AJ19	0	N	11/14/2008	< 0.0055 UJ	< 0.000088 U	< 0.00012 U	< 0.00022 U	< 0.00006 U	< 0.00013 U	< 0.00012 U
SRC1-AJ19	11	N	11/14/2008	< 0.0056 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000061 U	< 0.00014 U	< 0.00013 U
SRC1-AJ20	0	N	11/05/2008	< 0.0056 UJ	< 0.000089 U	< 0.00012 UJ	< 0.00022 U	< 0.000061 U	< 0.00013 U	< 0.00012 U
SRC1-AJ20	11	N	11/05/2008	< 0.0057 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AJ20	21	N	11/05/2008	< 0.0057 UJ	< 0.000092 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AJ21	0	N	11/06/2008	< 0.0056 UJ	< 0.00009 U	< 0.00012 U	< 0.00022 U	< 0.000061 U	< 0.00013 U	< 0.00012 U
SRC1-AJ21	12	N	11/06/2008	< 0.0057 UJ	< 0.000092 U	< 0.00013 UJ	< 0.00023 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AK21	0	N	11/06/2008	< 0.0057 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AK21	0	FD	11/06/2008	< 0.0057 UJ	< 0.000091 UJ	< 0.00013 UJ	< 0.00022 UJ	< 0.000062 UJ	< 0.00014 UJ	< 0.00013 UJ
SRC1-AK21	8	N	11/06/2008	< 0.0057 UJ	< 0.000092 U	< 0.00013 UJ	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AK21	18	N	11/06/2008	< 0.0058 UJ	< 0.000094 U	< 0.00013 U	< 0.00023 U	< 0.000063 U	< 0.00014 U	< 0.00013 U
SRC1-AK28	0	N	11/14/2008	< 0.0056 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AK28	11	N	11/14/2008	< 0.0057 UJ	< 0.000092 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AL24	0	N	11/06/2008	< 0.0057 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AL24	8	N	11/06/2008	< 0.0057 UJ	< 0.000092 U	< 0.00013 U	< 0.00023 U	< 0.000063 U	< 0.00014 U	< 0.00013 U
SRC1-AL24	18	N	11/06/2008	< 0.0059 UJ	< 0.000094 U	< 0.00013 U	< 0.00023 U	< 0.000064 U	< 0.00014 U	< 0.00013 U
SRC1-AL25	0	N	11/10/2008	< 0.0056 UJ	< 0.000091 U	< 0.00013 UJ	< 0.00022 U	< 0.000061 UJ	< 0.00014 U	< 0.00013 U
SRC1-AL25	11	N	11/10/2008	< 0.0056 UJ	< 0.00009 U	< 0.00012 UJ	< 0.00022 U	< 0.000061 UJ	< 0.00013 U	< 0.00012 U
SRC1-AL27	0	N	11/11/2008	< 0.0057 UJ	< 0.000091 U	< 0.00013 U	< 0.00022 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC1-AL27	11	N	11/11/2008	< 0.0057 UJ	< 0.000092 U	< 0.00013 U	< 0.00023 U	< 0.000062 U	< 0.00014 U	< 0.00013 U
SRC2-J30	0	N	09/14/2009	< 0.0035 UJ	< 0.00033 U	< 0.00038 UJ	< 0.00032 U	< 0.00042 UJ	< 0.0004 U	< 0.00028 U
SRC2-J31	0	N	09/14/2009	< 0.0035 UJ	< 0.00033 U	< 0.00038 UJ	< 0.00032 U	< 0.00042 UJ	< 0.0004 U	< 0.00028 U
SRC2-J32	0	N	09/14/2009	< 0.0035 UJ	< 0.00033 U	< 0.00038 UJ	< 0.00032 U	< 0.00041 UJ	< 0.0004 U	< 0.00028 U
SRC2-J33	0	N	09/17/2009	< 0.0037 UJ	< 0.00035 U	< 0.0004 U	< 0.00034 UJ	< 0.00044 U	< 0.00043 U	< 0.0003 U
SRC2-J33	0	FD	09/17/2009	< 0.0035 UJ	< 0.00033 U	< 0.00038 U	< 0.00032 UJ	< 0.00042 U	< 0.0004 U	< 0.00028 U

All units in mg/kg.

-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 7 of 12)

				Volatile Organic Compounds (VOCs)						
Sample ID	**Depth (ft bgs)**	**Sample Type**	**Sample Date**	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene
SRC1-AI16	0	N	11/03/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00047 U	< 0.0001 U	< 0.00027 U	< 0.000055 U
SRC1-AI16	10	N	11/03/2008	< 0.00021 U	< 0.00011 U	< 0.00024 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AI18	0	N	11/03/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AI18	11	N	11/03/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AI19	0	N	10/31/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00047 U	< 0.0001 U	< 0.00027 U	< 0.000055 U
SRC1-AI19	6	N	10/31/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AI19	16	N	10/31/2008	< 0.00021 U	< 0.00011 U	< 0.00024 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000057 U
SRC1-AJ19	0	N	11/14/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00047 U	< 0.0001 U	< 0.00027 U	< 0.000055 U
SRC1-AJ19	11	N	11/14/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AJ20	0	N	11/05/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00047 U	< 0.0001 U	< 0.00028 U	< 0.000055 U
SRC1-AJ20	11	N	11/05/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00048 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC1-AJ20	21	N	11/05/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00049 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC1-AJ21	0	N	11/06/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AJ21	12	N	11/06/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00049 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC1-AK21	0	N	11/06/2008	< 0.00021 U	< 0.00011 U	< 0.00024 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000057 U
SRC1-AK21	0	FD	11/06/2008	< 0.00021 UJ	< 0.00011 UJ	< 0.00024 UJ	< 0.00048 UJ	< 0.0001 UJ	< 0.00028 UJ	< 0.000056 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00049 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC1-AK21	18	N	11/06/2008	< 0.00022 U	< 0.00012 U	< 0.00024 U	< 0.0005 U	< 0.00011 U	< 0.00029 U	< 0.000058 U
SRC1-AK28	0	N	11/14/2008	< 0.00021 U	< 0.00011 U	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AK28	11	N	11/14/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00049 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC1-AL24	0	N	11/06/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000057 U
SRC1-AL24	8	N	11/06/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00049 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC1-AL24	18	N	11/06/2008	< 0.00022 U	< 0.00012 U	< 0.00024 U	< 0.0005 U	< 0.00011 U	< 0.00029 U	< 0.000059 U
SRC1-AL25	0	N	11/10/2008	< 0.00021 U	< 0.00011 UJ	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AL25	11	N	11/10/2008	< 0.00021 U	< 0.00011 UJ	< 0.00023 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000056 U
SRC1-AL27	0	N	11/11/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00048 U	< 0.0001 U	< 0.00028 U	< 0.000057 U
SRC1-AL27	11	N	11/11/2008	< 0.00022 U	< 0.00011 U	< 0.00024 U	< 0.00049 U	< 0.00011 U	< 0.00028 U	< 0.000057 U
SRC2-J30	0	N	09/14/2009	< 0.00031 U	< 0.0003 U	< 0.00044 U	< 0.00031 U	< 0.00036 U	< 0.00028 U	< 0.00034 U
SRC2-J31	0	N	09/14/2009	< 0.00031 U	< 0.0003 UJ	< 0.00044 U	< 0.00031 U	< 0.00036 U	< 0.00027 U	< 0.00033 U
SRC2-J32	0	N	09/14/2009	< 0.0003 U	< 0.0003 U	< 0.00044 U	< 0.00031 U	< 0.00036 U	< 0.00027 U	< 0.00033 U
SRC2-J33	0	N	09/17/2009	< 0.00033 U	< 0.00032 U	< 0.00047 U	< 0.00033 U	< 0.00038 U	< 0.00029 U	< 0.00036 U
SRC2-J33	0	FD	09/17/2009	< 0.00031 U	< 0.0003 U	< 0.00044 U	< 0.00031 U	< 0.00036 U	< 0.00028 U	< 0.00034 U

All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				cis-1,3-Dichloropropene	Cymene (Isopropyltoluene)	Dibromochloromethane	Dibromochloropropane	Dibromomethane	Dichloromethane	Dimethyldisulfide
SRC1-AI16	0	N	11/03/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0082 U	< 0.00018 U
SRC1-AI16	10	N	11/03/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0088 U	< 0.00018 U
SRC1-AI18	0	N	11/03/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.009 U	< 0.00018 U
SRC1-AI18	11	N	11/03/2008	< 0.0001 U	< 0.00013 UJ	< 0.00012 U	< 0.00022 UJ	< 0.00017 U	< 0.0098 U	< 0.00018 U
SRC1-AI19	0	N	10/31/2008	< 0.0001 U	< 0.00013 UJ	< 0.00012 U	< 0.00021 UJ	< 0.00017 U	0.011	< 0.00018 U
SRC1-AI19	6	N	10/31/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	0.0052	< 0.00018 U
SRC1-AI19	16	N	10/31/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	0.0093	< 0.00018 U
SRC1-AJ19	0	N	11/14/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00021 U	< 0.00017 U	< 0.0037 U	< 0.00018 U
SRC1-AJ19	11	N	11/14/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0036 U	< 0.00018 U
SRC1-AJ20	0	N	11/05/2008	< 0.0001 U	< 0.00013 UJ	< 0.00012 U	< 0.00022 UJ	< 0.00017 U	< 0.024 U	< 0.00018 U
SRC1-AJ20	11	N	11/05/2008	< 0.00011 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.015 U	< 0.00018 U
SRC1-AJ20	21	N	11/05/2008	< 0.00011 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00018 U	< 0.016 U	< 0.00019 U
SRC1-AJ21	0	N	11/06/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.008 U	< 0.00018 U
SRC1-AJ21	12	N	11/06/2008	< 0.00011 U	< 0.00013 UJ	< 0.00012 U	< 0.00022 UJ	< 0.00018 U	< 0.0085 U	< 0.00019 U
SRC1-AK21	0	N	11/06/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0099 U	< 0.00018 U
SRC1-AK21	0	FD	11/06/2008	< 0.0001 UJ	< 0.00013 UJ	< 0.00012 UJ	< 0.00022 UJ	< 0.00017 UJ	< 0.0097 UJ	< 0.00018 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00011 U	< 0.00013 UJ	< 0.00012 U	< 0.00022 UJ	< 0.00017 U	< 0.0062 U	< 0.00019 U
SRC1-AK21	18	N	11/06/2008	< 0.00011 U	< 0.00013 U	< 0.00013 U	< 0.00023 U	< 0.00018 U	< 0.0078 U	< 0.00019 U
SRC1-AK28	0	N	11/14/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0034 U	< 0.00018 U
SRC1-AK28	11	N	11/14/2008	< 0.00011 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0036 U	< 0.00019 U
SRC1-AL24	0	N	11/06/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0074 U	< 0.00018 U
SRC1-AL24	8	N	11/06/2008	< 0.00011 U	< 0.00013 U	< 0.00013 U	< 0.00022 U	< 0.00018 U	< 0.0076 U	< 0.00019 U
SRC1-AL24	18	N	11/06/2008	< 0.00011 U	< 0.00013 U	< 0.00013 U	< 0.00023 U	< 0.00018 U	< 0.0092 U	< 0.00019 U
SRC1-AL25	0	N	11/10/2008	< 0.0001 U	< 0.00013 UJ	< 0.00012 UJ	< 0.00022 UJ	< 0.00017 U	< 0.00072 U	< 0.00018 UJ
SRC1-AL25	11	N	11/10/2008	< 0.0001 U	< 0.00013 UJ	< 0.00012 UJ	< 0.00022 UJ	< 0.00017 U	< 0.00071 U	< 0.00018 UJ
SRC1-AL27	0	N	11/11/2008	< 0.0001 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00017 U	< 0.0063 U	< 0.00018 U
SRC1-AL27	11	N	11/11/2008	< 0.00011 U	< 0.00013 U	< 0.00012 U	< 0.00022 U	< 0.00018 U	< 0.00073 U	< 0.00019 U
SRC2-J30	0	N	09/14/2009	< 0.00024 U	< 0.00026 UJ	< 0.00029 U	< 0.0006 UJ	< 0.00035 U	< 0.0033 U	< 0.00048 U
SRC2-J31	0	N	09/14/2009	< 0.00024 U	< 0.00026 UJ	< 0.00029 UJ	< 0.0006 UJ	< 0.00035 U	< 0.013 U	< 0.00048 UJ
SRC2-J32	0	N	09/14/2009	< 0.00023 U	< 0.00026 UJ	< 0.00029 U	< 0.0006 UJ	< 0.00035 U	< 0.0085 U	< 0.00048 U
SRC2-J33	0	N	09/17/2009	< 0.00025 U	< 0.00028 U	< 0.00031 U	< 0.00064 U	< 0.00037 U	< 0.0025 UJ	< 0.00051 U
SRC2-J33	0	FD	09/17/2009	< 0.00024 U	< 0.00026 U	< 0.00029 U	< 0.0006 U	< 0.00035 U	< 0.0024 UJ	< 0.00048 U

All units in mg/kg.

-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

				Volatile Organic Compounds (VOCs)						
Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Ethanol	Ethylbenzene	Freon-11 (Trichlorofluoromethane)	Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroet	Freon-12 (Dichlorodifluoromethane)	Heptane	Isopropylbenzene
SRC1-AI16	0	N	11/03/2008	< 0.048 UJ	< 0.000059 U	< 0.00022 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AI16	10	N	11/03/2008	< 0.049 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AI18	0	N	11/03/2008	< 0.049 UJ	< 0.00006 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AI18	11	N	11/03/2008	< 0.049 UJ	< 0.00006 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AI19	0	N	10/31/2008	< 0.048 UJ	0.00027 J	0.00031 J	< 0.00015 U	< 0.00029 UJ	< 0.00017 U	< 0.0001 U
SRC1-AI19	6	N	10/31/2008	< 0.049 UJ	< 0.00006 U	< 0.00022 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AI19	16	N	10/31/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AJ19	0	N	11/14/2008	< 0.048 UJ	< 0.000059 U	< 0.00022 U	< 0.00015 U	< 0.00029 U	< 0.00017 U	< 0.0001 U
SRC1-AJ19	11	N	11/14/2008	< 0.049 UJ	< 0.00006 U	< 0.00023 U	< 0.00015 U	< 0.0003 U	< 0.00017 U	< 0.00011 U
SRC1-AJ20	0	N	11/05/2008	< 0.049 UJ	< 0.00006 U	< 0.00022 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AJ20	11	N	11/05/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AJ20	21	N	11/05/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AJ21	0	N	11/06/2008	< 0.049 UJ	< 0.00006 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AJ21	12	N	11/06/2008	< 0.05 UJ	< 0.000061 UJ	< 0.00023 U	< 0.00015 U	< 0.00031 UJ	< 0.00017 U	< 0.00011 UJ
SRC1-AK21	0	N	11/06/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AK21	0	FD	11/06/2008	< 0.049 UJ	< 0.000061 UJ	< 0.00023 UJ	< 0.00015 UJ	< 0.0003 UJ	< 0.00017 UJ	< 0.00011 UJ
SRC1-AK21	8	N	11/06/2008	< 0.05 UJ	< 0.000061 UJ	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 UJ
SRC1-AK21	18	N	11/06/2008	< 0.051 UJ	< 0.000062 U	< 0.00023 U	< 0.00016 U	< 0.00031 UJ	< 0.00018 U	< 0.00011 U
SRC1-AK28	0	N	11/14/2008	< 0.049 UJ	< 0.00006 U	< 0.00023 U	< 0.00015 U	< 0.0003 U	< 0.00017 U	< 0.00011 U
SRC1-AK28	11	N	11/14/2008	< 0.05 UJ	< 0.000069 U	< 0.00023 U	< 0.00015 U	< 0.0003 U	< 0.00017 U	< 0.00011 U
SRC1-AL24	0	N	11/06/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 UJ	< 0.00017 U	< 0.00011 U
SRC1-AL24	8	N	11/06/2008	< 0.05 UJ	< 0.000062 U	< 0.00023 U	< 0.00015 U	< 0.00031 UJ	< 0.00017 U	< 0.00011 U
SRC1-AL24	18	N	11/06/2008	< 0.051 UJ	< 0.000063 U	< 0.00024 U	< 0.00016 U	< 0.00031 UJ	< 0.00018 U	< 0.00011 U
SRC1-AL25	0	N	11/10/2008	< 0.049 UJ	< 0.00006 UJ	< 0.00023 U	< 0.00015 U	< 0.0003 U	< 0.00017 U	< 0.00011 UJ
SRC1-AL25	11	N	11/10/2008	< 0.049 UJ	< 0.00006 UJ	< 0.00023 U	< 0.00015 U	< 0.0003 U	< 0.00017 U	< 0.00011 UJ
SRC1-AL27	0	N	11/11/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.0003 U	< 0.00017 U	< 0.00011 U
SRC1-AL27	11	N	11/11/2008	< 0.05 UJ	< 0.000061 U	< 0.00023 U	< 0.00015 U	< 0.00031 U	< 0.00017 U	< 0.00011 U
SRC2-J30	0	N	09/14/2009	< 0.062 UJ	< 0.00029 U	< 0.00031 U	< 0.00025 U	< 0.00025 U	< 0.00038 U	< 0.00029 U
SRC2-J31	0	N	09/14/2009	< 0.062 UJ	< 0.00029 UJ	< 0.00031 U	< 0.00025 U	< 0.00025 U	< 0.00038 U	< 0.00029 UJ
SRC2-J32	0	N	09/14/2009	< 0.062 UJ	< 0.00029 U	< 0.00031 U	< 0.00025 U	< 0.00025 U	< 0.00037 U	< 0.00028 U
SRC2-J33	0	N	09/17/2009	< 0.066 UJ	< 0.00031 U	< 0.00033 U	< 0.00027 UJ	< 0.00027 U	< 0.0004 U	< 0.0003 U
SRC2-J33	0	FD	09/17/2009	< 0.062 UJ	< 0.00029 U	< 0.00031 U	< 0.00025 UJ	< 0.00025 U	< 0.00038 U	< 0.00029 U

All units in mg/kg.

-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 10 of 12)

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				m,p-Xylenes	Methyl ethyl ketone	Methyl iodide	MTBE (Methyl tert-butyl ether)	n-Butyl benzene	Nonanal	n-Propylbenzene
SRC1-AI16	0	N	11/03/2008	< 0.00017 U	< 0.00089 U	< 0.00013 U	< 0.000091 U	< 0.00018 U	< 0.00048 U	< 0.00011 U
SRC1-AI16	10	N	11/03/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AI18	0	N	11/03/2008	< 0.00017 U	< 0.0009 U	< 0.00013 U	< 0.000092 U	< 0.00019 U	< 0.00048 U	< 0.00011 U
SRC1-AI18	11	N	11/03/2008	< 0.00017 U	< 0.0009 U	< 0.00013 U	< 0.000093 U	< 0.00019 UJ	< 0.00049 UJ	< 0.00011 UJ
SRC1-AI19	0	N	10/31/2008	0.00055 J	< 0.00088 U	< 0.00013 U	< 0.00009 U	< 0.00018 UJ	< 0.00047 UJ	< 0.00011 UJ
SRC1-AI19	6	N	10/31/2008	< 0.00017 U	< 0.00089 U	< 0.00013 U	< 0.000092 U	< 0.00019 U	< 0.00048 U	< 0.00011 U
SRC1-AI19	16	N	10/31/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AJ19	0	N	11/14/2008	< 0.00017 U	< 0.00088 U	< 0.00013 U	< 0.00009 U	< 0.00018 U	< 0.00048 U	< 0.00011 U
SRC1-AJ19	11	N	11/14/2008	< 0.00017 U	< 0.0009 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AJ20	0	N	11/05/2008	< 0.00017 U	< 0.00089 U	< 0.00013 U	< 0.000091 U	< 0.00018 UJ	< 0.00048 UJ	< 0.00011 UJ
SRC1-AJ20	11	N	11/05/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000094 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AJ20	21	N	11/05/2008	< 0.00018 U	< 0.00091 U	< 0.00013 U	< 0.000094 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AJ21	0	N	11/06/2008	< 0.00017 U	< 0.0009 U	< 0.00013 U	< 0.000092 U	< 0.00019 U	< 0.00048 U	< 0.00011 U
SRC1-AJ21	12	N	11/06/2008	< 0.00018 U	< 0.00092 U	< 0.00013 U	< 0.000094 U	< 0.00019 UJ	< 0.00049 UJ	< 0.00012 UJ
SRC1-AK21	0	N	11/06/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AK21	0	FD	11/06/2008	< 0.00017 UJ	< 0.00091 UJ	< 0.00013 UJ	< 0.000093 UJ	< 0.00019 UJ	< 0.00049 UJ	< 0.00011 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000094 U	< 0.00019 UJ	< 0.00049 UJ	< 0.00011 UJ
SRC1-AK21	18	N	11/06/2008	< 0.00018 U	< 0.00093 U	< 0.00013 U	< 0.000096 U	< 0.00019 U	< 0.0005 U	< 0.00012 U
SRC1-AK28	0	N	11/14/2008	< 0.00017 U	< 0.0009 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AK28	11	N	11/14/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000094 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AL24	0	N	11/06/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AL24	8	N	11/06/2008	< 0.00018 U	< 0.00092 U	< 0.00013 U	< 0.000094 U	< 0.00019 U	< 0.0005 U	< 0.00012 U
SRC1-AL24	18	N	11/06/2008	< 0.00018 U	< 0.00094 U	< 0.00013 U	< 0.000096 U	< 0.0002 U	< 0.00051 U	< 0.00012 U
SRC1-AL25	0	N	11/10/2008	< 0.00017 UJ	< 0.0009 U	< 0.00013 U	< 0.000093 U	< 0.00019 UJ	< 0.00049 UJ	< 0.00011 UJ
SRC1-AL25	11	N	11/10/2008	< 0.00017 UJ	< 0.0009 U	< 0.00013 U	< 0.000092 U	< 0.00019 UJ	< 0.00048 UJ	< 0.00011 UJ
SRC1-AL27	0	N	11/11/2008	< 0.00017 U	< 0.00091 U	< 0.00013 U	< 0.000093 U	< 0.00019 U	< 0.00049 U	< 0.00011 U
SRC1-AL27	11	N	11/11/2008	< 0.00018 U	< 0.00092 U	< 0.00013 U	< 0.000094 U	< 0.00019 U	< 0.00049 U	< 0.00012 U
SRC2-J30	0	N	09/14/2009	< 0.00046 U	< 0.00058 UJ	< 0.00039 U	< 0.00047 UJ	< 0.0003 UJ	< 0.00037 UJ	< 0.00028 UJ
SRC2-J31	0	N	09/14/2009	< 0.00046 UJ	< 0.00058 UJ	< 0.00039 U	< 0.00047 UJ	< 0.0003 UJ	< 0.00036 UJ	< 0.00027 UJ
SRC2-J32	0	N	09/14/2009	< 0.00045 U	< 0.00057 UJ	< 0.00039 U	< 0.00047 UJ	< 0.00029 UJ	< 0.00036 UJ	< 0.00027 UJ
SRC2-J33	0	N	09/17/2009	< 0.00049 U	0.0045 J	< 0.00041 U	< 0.0005 U	< 0.00032 U	< 0.00039 U	< 0.00029 U
SRC2-J33	0	FD	09/17/2009	< 0.00046 U	0.004 J	< 0.00039 U	< 0.00047 U	< 0.0003 U	< 0.00037 U	< 0.00028 U

All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)						
				o-Xylene	sec-Butylbenzene	Styrene	tert-Butyl benzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene
SRC1-AI16	0	N	11/03/2008	< 0.000078 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000089 U	< 0.00033 U	< 0.000092 U
SRC1-AI16	10	N	11/03/2008	< 0.000079 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AI18	0	N	11/03/2008	< 0.000079 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.00009 U	< 0.00033 U	< 0.000093 U
SRC1-AI18	11	N	11/03/2008	< 0.000079 U	< 0.00011 UJ	< 0.00018 U	< 0.0001 UJ	< 0.00009 U	< 0.00033 U	< 0.000094 U
SRC1-AI19	0	N	10/31/2008	0.00025 J	< 0.00011 UJ	< 0.00018 U	< 0.0001 UJ	< 0.000088 U	0.00048 J	< 0.000091 U
SRC1-AI19	6	N	10/31/2008	< 0.000078 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.00009 U	< 0.00033 U	< 0.000093 U
SRC1-AI19	16	N	10/31/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AJ19	0	N	11/14/2008	< 0.000077 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000088 U	< 0.00033 U	< 0.000091 U
SRC1-AJ19	11	N	11/14/2008	< 0.000079 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AJ20	0	N	11/05/2008	< 0.000078 U	< 0.00011 UJ	< 0.00018 U	< 0.0001 UJ	< 0.000089 U	< 0.00033 U	< 0.000092 U
SRC1-AJ20	11	N	11/05/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.00011 U	< 0.000091 U	< 0.00034 U	< 0.000095 U
SRC1-AJ20	21	N	11/05/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.00011 U	< 0.000092 U	< 0.00034 U	< 0.000095 U
SRC1-AJ21	0	N	11/06/2008	< 0.000079 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.00009 U	< 0.00033 U	< 0.000093 U
SRC1-AJ21	12	N	11/06/2008	< 0.00008 U	< 0.00011 UJ	< 0.00018 U	< 0.00011 UJ	< 0.000092 U	< 0.00034 U	< 0.000095 U
SRC1-AK21	0	N	11/06/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AK21	0	FD	11/06/2008	< 0.000079 UJ	< 0.00011 UJ	< 0.00018 UJ	< 0.0001 UJ	< 0.000091 UJ	< 0.00034 UJ	< 0.000094 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00008 U	< 0.00011 UJ	< 0.00018 U	< 0.00011 UJ	< 0.000092 U	< 0.00034 U	< 0.000095 U
SRC1-AK21	18	N	11/06/2008	< 0.000082 U	< 0.00011 U	< 0.00019 U	< 0.00011 U	< 0.000094 U	< 0.00035 U	< 0.000097 U
SRC1-AK28	0	N	11/14/2008	< 0.000079 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AK28	11	N	11/14/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.00011 U	< 0.000092 U	< 0.00034 U	< 0.000095 U
SRC1-AL24	0	N	11/06/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AL24	8	N	11/06/2008	< 0.000081 U	< 0.00011 U	< 0.00018 U	< 0.00011 U	< 0.000092 U	< 0.00034 U	< 0.000095 U
SRC1-AL24	18	N	11/06/2008	< 0.000082 U	< 0.00011 U	< 0.00019 U	< 0.00011 U	< 0.000094 U	< 0.00035 U	< 0.000098 U
SRC1-AL25	0	N	11/10/2008	< 0.000079 UJ	< 0.00011 UJ	< 0.00018 UJ	< 0.0001 UJ	< 0.000091 UJ	< 0.00034 UJ	< 0.000094 U
SRC1-AL25	11	N	11/10/2008	< 0.000078 UJ	< 0.00011 UJ	< 0.00018 UJ	< 0.0001 UJ	< 0.00009 UJ	< 0.00033 UJ	< 0.000093 U
SRC1-AL27	0	N	11/11/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.0001 U	< 0.000091 U	< 0.00034 U	< 0.000094 U
SRC1-AL27	11	N	11/11/2008	< 0.00008 U	< 0.00011 U	< 0.00018 U	< 0.00011 U	< 0.000092 U	< 0.00034 U	< 0.000095 U
SRC2-J30	0	N	09/14/2009	< 0.00024 U	< 0.00033 UJ	< 0.00021 U	< 0.00023 UJ	< 0.00047 U	< 0.00024 U	< 0.00034 U
SRC2-J31	0	N	09/14/2009	< 0.00024 UJ	< 0.00033 UJ	< 0.00021 UJ	< 0.00023 UJ	< 0.00047 UJ	< 0.00024 UJ	< 0.00034 U
SRC2-J32	0	N	09/14/2009	< 0.00023 U	< 0.00032 UJ	< 0.00021 U	< 0.00023 UJ	< 0.00046 U	< 0.00024 U	< 0.00034 U
SRC2-J33	0	N	09/17/2009	< 0.00025 U	< 0.00035 U	< 0.00022 U	< 0.00024 U	< 0.0005 U	< 0.00026 U	< 0.00036 UJ
SRC2-J33	0	FD	09/17/2009	< 0.00024 U	< 0.00033 U	< 0.00021 U	< 0.00023 U	< 0.00047 U	< 0.00024 U	< 0.00034 UJ

All units in mg/kg.
-- = no sample data.

TABLE B-11
SOIL VOLATILE ORGANIC COMPOUNDS (VOCS) DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA

Sample ID	Depth (ft bgs)	Sample Type	Sample Date	Volatile Organic Compounds (VOCs)				
				trans-1,3-Dichloropropene	Trichloroethene	Vinyl acetate	Vinyl chloride	Xylenes (total)
SRC1-AI16	0	N	11/03/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00011 U	< 0.00024 U
SRC1-AI16	10	N	11/03/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AI18	0	N	11/03/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AI18	11	N	11/03/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AI19	0	N	10/31/2008	< 0.0001 U	< 0.00011 U	< 0.00024 U	< 0.00011 U	0.00079 J
SRC1-AI19	6	N	10/31/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AI19	16	N	10/31/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AJ19	0	N	11/14/2008	< 0.0001 U	< 0.00011 U	< 0.00024 U	< 0.00011 U	< 0.00023 U
SRC1-AJ19	11	N	11/14/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AJ20	0	N	11/05/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00011 U	< 0.00024 U
SRC1-AJ20	11	N	11/05/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AJ20	21	N	11/05/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AJ21	0	N	11/06/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AJ21	12	N	11/06/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AK21	0	N	11/06/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AK21	0	FD	11/06/2008	< 0.0001 UJ	< 0.00011 UJ	< 0.00025 UJ	< 0.00012 UJ	< 0.00024 UJ
SRC1-AK21	8	N	11/06/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AK21	18	N	11/06/2008	< 0.00011 U	< 0.00011 U	< 0.00026 U	< 0.00012 U	< 0.00025 U
SRC1-AK28	0	N	11/14/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AK28	11	N	11/14/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AL24	0	N	11/06/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AL24	8	N	11/06/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00025 U
SRC1-AL24	18	N	11/06/2008	< 0.00011 U	< 0.00011 U	< 0.00026 U	< 0.00012 U	< 0.00025 U
SRC1-AL25	0	N	11/10/2008	< 0.0001 UJ	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 UJ
SRC1-AL25	11	N	11/10/2008	< 0.0001 UJ	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 UJ
SRC1-AL27	0	N	11/11/2008	< 0.0001 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC1-AL27	11	N	11/11/2008	< 0.00011 U	< 0.00011 U	< 0.00025 U	< 0.00012 U	< 0.00024 U
SRC2-J30	0	N	09/14/2009	< 0.00018 U	< 0.00027 U	< 0.00039 U	< 0.00033 U	< 0.00065 U
SRC2-J31	0	N	09/14/2009	< 0.00018 UJ	< 0.00027 U	< 0.00038 U	< 0.00032 U	< 0.00064 UJ
SRC2-J32	0	N	09/14/2009	< 0.00018 U	< 0.00026 U	< 0.00038 U	< 0.00032 U	< 0.00064 U
SRC2-J33	0	N	09/17/2009	< 0.00019 U	< 0.00028 U	< 0.00041 UJ	< 0.00035 U	< 0.00069 U
SRC2-J33	0	FD	09/17/2009	< 0.00018 U	< 0.00027 U	< 0.00038 UJ	< 0.00033 U	< 0.00065 U

All units in mg/kg.

-- = no sample data.

TABLE B-12
SURFACE FLUX DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 1 of 2)

Analytical Method	Analyte	Surface Flux						
		SRC1-AI16	SRC1-AI18	SRC1-AI19	SRC1-AJ20	SRC1-AJ21	SRC1-AL24	SRC1-AL25
	Sample Date	10/24/2008	10/24/2008	10/24/2008	10/24/2008	10/24/2008	10/25/2008	10/25/2008
1,1,1,2-Tetrachloroethane	TO-15	< 0.11 U	< 0.11 U	< 0.099 U	< 0.11 U	< 0.087 U	< 0.11 U	< 0.1 U
1,1,1-Trichloroethane	TO-15	< 0.096 U	< 0.099 U	< 0.09 U	< 0.1 U	< 0.079 U	< 0.1 U	< 0.093 U
1,1,2,2-Tetrachloroethane	TO-15 SIM	< 0.0089 U	< 0.0091 U	< 0.0083 U	< 0.0093 U	< 0.0092 UJ	< 0.0093 U	< 0.0086 UJ
1,1,2-Trichloroethane	TO-15	< 0.096 U	< 0.099 U	< 0.09 U	< 0.1 U	--	< 0.1 U	--
	TO-15 SIM	--	--	--	--	0.002 J	--	< 0.0071 UJ
1,1-Dichloroethane	TO-15	< 0.07 U	< 0.073 U	< 0.066 U	< 0.074 U	< 0.058 UJ	< 0.074 U	< 0.069 U
1,1-Dichloroethene	TO-15	< 0.069 U	< 0.071 U	< 0.067 U	< 0.072 U	< 0.057 UJ	< 0.072 U	< 0.067 U
1,1-Dichloropropene	TO-15	< 0.066 U	< 0.068 U	< 0.062 U	< 0.069 U	< 0.054 U	< 0.069 U	< 0.064 U
1,2,3-Trichloropropane	TO-15 SIM	< 0.0062 U	< 0.0064 U	< 0.0059 U	< 0.0065 U	0.011 J-	< 0.0065 U	< 0.006 UJ
1,2,4-Trichlorobenzene	TO-15 SIM	< 0.04 UJ	< 0.041 UJ	< 0.037 UJ	< 0.041 UJ	< 0.041 UJ	< 0.041 UJ	< 0.038 UJ
1,2,4-Trimethylbenzene	TO-15	< 0.17 U	< 0.18 U	< 0.16 U	< 0.09 UJ	< 0.14 U	< 0.18 U	< 0.084 UJ
1,2-Dibromoethane	TO-15	< 0.14 U	< 0.14 U	< 0.13 U	< 0.14 U	--	< 0.14 U	--
	TO-15 SIM	--	--	--	--	0.0047 J	--	< 0.01 UJ
1,2-Dichlorobenzene	TO-15 SIM	< 0.0078 UJ	< 0.008 UJ	< 0.0073 UJ	< 0.0081 UJ	0.0058 J-	< 0.0081 UJ	< 0.0075 UJ
1,2-Dichloroethane	TO-15	< 0.072 U	< 0.074 U	< 0.067 U	< 0.075 U	--	< 0.075 U	--
	TO-15 SIM	--	--	--	--	0.0018 J	--	0.0011 J-
1,2-Dichloropropane	TO-15	< 0.082 U	< 0.085 U	< 0.077 U	< 0.086 U	--	< 0.086 U	--
	TO-15 SIM	--	--	--	--	< 0.0064 U	--	< 0.006 UJ
1,3,5-Trimethylbenzene	TO-15	< 0.18 U	< 0.19 U	< 0.17 U	< 0.094 U	< 0.15 U	< 0.19 U	< 0.087 U
1,3-Dichlorobenzene	TO-15 SIM	< 0.0081 UJ	< 0.0083 UJ	< 0.0076 UJ	< 0.0085 UJ	0.0052 J-	< 0.0085 UJ	< 0.0078 UJ
1,3-Dichloropropane	TO-15	< 0.066 U	< 0.068 U	< 0.062 U	< 0.069 U	< 0.054 U	< 0.069 U	< 0.064 U
1,4-Dichlorobenzene	TO-15 SIM	< 0.0078 UJ	< 0.008 UJ	< 0.0073 UJ	< 0.0081 UJ	0.0059 J	< 0.0081 UJ	< 0.0075 UJ
1,4-Dioxane	TO-15	< 0.055 UJ	< 0.056 UJ	< 0.052 U	< 0.057 U	< 0.045 UJ	< 0.057 UJ	< 0.053 U
1-Propanol, 2-methyl-	TO-15	< 0.13 UJ	< 0.13 UJ	< 0.12 UJ	< 0.13 UJ	< 0.11 UJ	< 0.13 UJ	< 0.12 UJ
2,2-Dichloropropane	TO-15	< 0.73 U	< 0.75 U	< 0.68 U	< 0.76 U	< 0.6 U	< 0.76 U	< 0.7 U
2-Hexanone	TO-15	< 0.062 UJ	< 0.064 UJ	< 0.058 UJ	< 0.065 UJ	< 0.051 UJ	0.013 J	< 0.06 UJ
4-Methyl-2-pentanone (MIBK)	TO-15	< 0.065 U	< 0.067 U	< 0.061 U	< 0.068 UJ	< 0.053 U	< 0.068 U	< 0.063 UJ
Acetone	TO-15	1.1 J	0.5 J	0.28 J	0.16	0.19 J	0.38 J	0.26 J
Acetonitrile	TO-15	< 0.071 UJ	0.049 J	0.051 J	< 0.074 U	< 0.058 U	< 0.074 U	0.094 J-
Benzene	TO-15	< 0.057 U	< 0.058 U	0.061	0.038	--	0.033 J	--
	TO-15 SIM	--	--	--	--	0.062	--	0.03 J
Benzyl chloride	TO-15 SIM	< 0.0051 UJ	< 0.0052 UJ	< 0.0048 UJ	< 0.0053 U	0.0055 J	< 0.0053 UJ	< 0.0049 UJ
Bromodichloromethane	TO-15	< 0.092 U	< 0.095 U	< 0.087 U	< 0.097 U	--	< 0.097 U	--
	TO-15 SIM	--	--	--	--	0.0013 J	--	< 0.0057 UJ
Bromoform	TO-15	< 0.17 UJ	< 0.17 UJ	< 0.16 UJ	< 0.17 U	< 0.14 UJ	< 0.17 UJ	< 0.16 U
Bromomethane	TO-15	< 0.07 U	< 0.072 U	< 0.065 U	< 0.073 U	< 0.057 U	< 0.073 U	< 0.067 U
Carbon disulfide	TO-15	< 0.095 U	< 0.099 U	0.041	< 0.05 U	< 0.078 U	< 0.1 U	0.062
Carbon tetrachloride	TO-15	< 0.11 U	< 0.11 U	< 0.1 U	< 0.12 U	--	< 0.12 U	--
	TO-15 SIM	--	--	--	--	0.0056 J	--	0.0045 J-
Chlorobenzene	TO-15	< 0.081 U	< 0.084 U	< 0.076 U	< 0.085 U	< 0.066 U	< 0.085 U	< 0.079 U
Chlorobromomethane	TO-15	< 0.079 U	< 0.081 U	< 0.074 U	< 0.082 U	< 0.064 U	< 0.082 U	< 0.076 UJ
Chloroethane	TO-15	< 0.047 U	< 0.049 U	< 0.044 U	< 0.049 U	< 0.039 U	< 0.049 U	< 0.046 U
Chloroform	TO-15	--	< 0.088 U	< 0.08 U	< 0.09 U	--	< 0.09 U	--
	TO-15 SIM	0.018 J	--	--	--	0.0039 J	--	0.0064 J-
Chloromethane	TO-15	< 0.036 U	< 0.037 U	0.02 J	0.0096 J	< 0.03 U	< 0.038 U	< 0.035 U
cis-1,2-Dichloroethene	TO-15	< 0.07 U	< 0.073 U	< 0.066 U	< 0.074 U	< 0.058 U	< 0.074 U	< 0.068 U
cis-1,3-Dichloropropene	TO-15	< 0.083 U	< 0.085 U	< 0.078 U	< 0.087 U	< 0.068 U	< 0.087 U	< 0.08 U
Cymene (Isopropyltoluene)	TO-15	< 0.17 U	< 0.18 U	< 0.16 U	< 0.18 U	< 0.14 U	< 0.18 U	< 0.17 U

TABLE B-12
SURFACE FLUX DATA
WARM SPRINGS ROAD RIGHT-OF-WAY
BMI COMMON AREAS (EASTSIDE)
CLARK COUNTY, NEVADA
(Page 2 of 2)

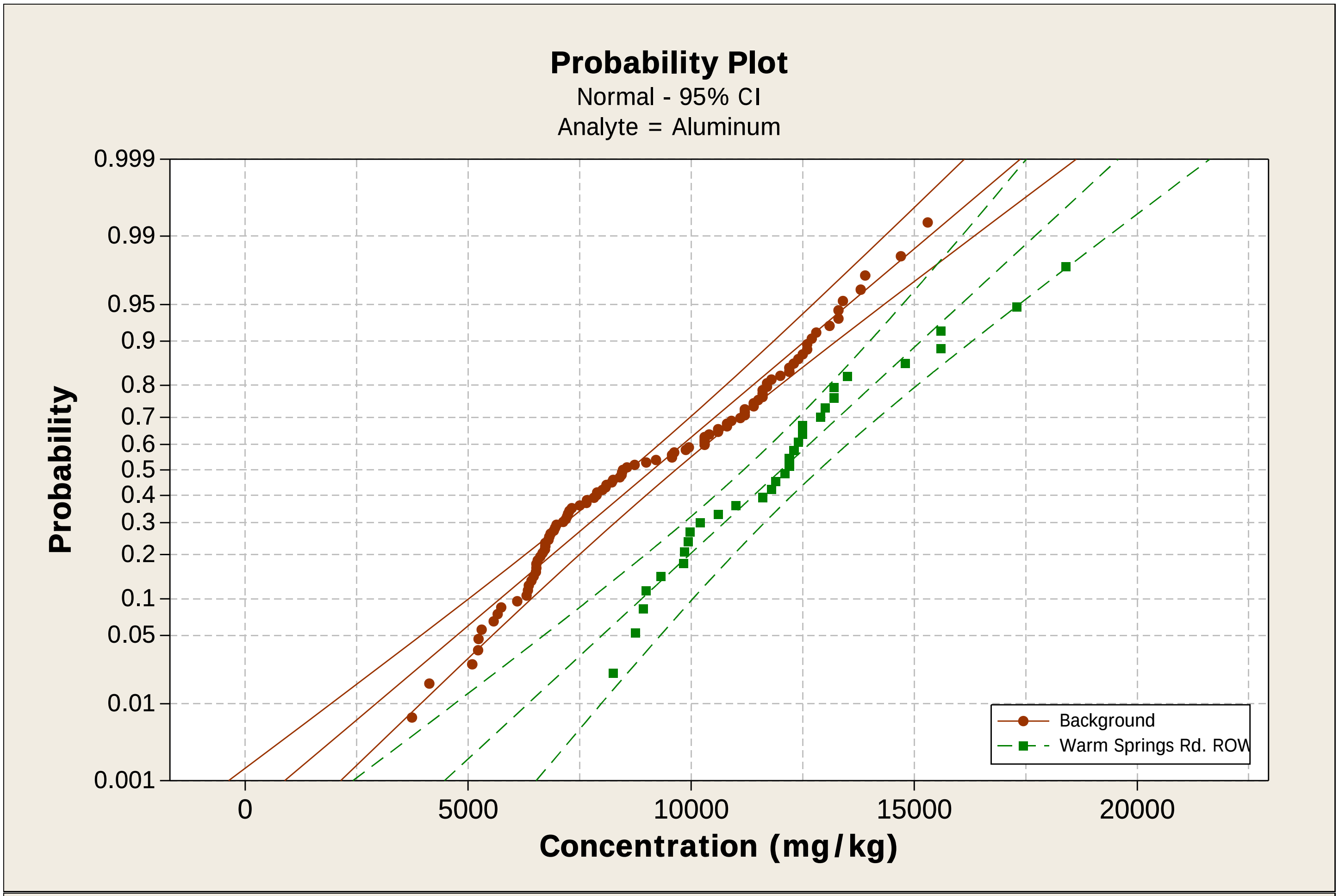
Analytical Method	Analyte	Surface Flux						
		SRC1-AI16	SRC1-AI18	SRC1-AI19	SRC1-AJ20	SRC1-AJ21	SRC1-AL24	SRC1-AL25
	Sample Date	10/24/2008	10/24/2008	10/24/2008	10/24/2008	10/24/2008	10/25/2008	10/25/2008
Dibromochloromethane	TO-15 SIM	< 0.0084 U	< 0.0086 U	< 0.0079 U	< 0.0087 U	0.0018 J	< 0.0087 U	< 0.0081 UJ
Dibromochloropropane	TO-15 SIM	< 0.027 UJ	< 0.028 UJ	< 0.025 UJ	< 0.028 UJ	< 0.028 UJ	< 0.028 UJ	< 0.026 UJ
Dibromomethane	TO-15	< 0.11 U	< 0.11 U	< 0.1 U	< 0.11 U	< 0.088 U	< 0.11 U	< 0.1 U
Dichloromethane	TO-15	--	--	--	< 0.065 U	--	0.017 J	--
	TO-15 SIM	0.017 J	0.019 J	0.02 J	--	0.004 J	--	0.026 J
Ethanol	TO-15	< 0.079 UJ	0.31 J	0.11 J-	0.06 J-	< 0.065 UJ	0.24 J	0.13 J-
Ethylbenzene	TO-15	< 0.078 U	< 0.08 U	< 0.073 U	< 0.081 U	< 0.064 U	< 0.081 U	< 0.075 U
Freon-11	TO-15	< 0.1 U	< 0.1 U	0.023 J+	< 0.11 U	< 0.082 U	< 0.11 U	< 0.097 U
Freon-113	TO-15	< 0.13 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.11 U	< 0.14 U	< 0.13 U
Freon-12	TO-15	< 0.09 U	< 0.092 U	0.032 J	< 0.094 U	< 0.074 U	< 0.094 U	< 0.087 U
Heptane	TO-15	0.013 J	< 0.061 U	< 0.056 U	< 0.062 U	0.011 J	< 0.062 U	< 0.057 UJ
Hexachlorobutadiene	TO-15 SIM	< 0.014 UJ	< 0.015 UJ	< 0.013 UJ	< 0.015 UJ	0.0084 J	< 0.015 UJ	< 0.014 UJ
Isopropylbenzene	TO-15	< 0.16 U	< 0.17 U	< 0.15 U	< 0.084 U	< 0.13 U	< 0.17 U	< 0.078 U
m,p-Xylenes	TO-15	< 0.15 UJ	< 0.16 UJ	0.035 J	< 0.16 U	< 0.13 UJ	0.04 J	0.037 J
Methyl ethyl ketone	TO-15	< 0.044 U	< 0.045 U	< 0.041 U	< 0.046 U	< 0.036 U	< 0.046 U	< 0.042 U
Methyl iodide	TO-15	< 0.21 U	< 0.21 U	< 0.19 U	< 0.21 U	< 0.17 U	< 0.21 U	< 0.2 U
MTBE (Methyl tert-butyl ether)	TO-15	< 0.049 U	< 0.05 U	< 0.047 U	< 0.051 U	< 0.04 U	< 0.051 U	< 0.047 U
Naphthalene	TO-15 SIM	< 0.014 UJ	< 0.015 UJ	< 0.013 UJ	< 0.015 UJ	0.33 J	< 0.015 UJ	0.0039 J
n-Butyl benzene	TO-15	< 0.17 UJ	< 0.18 UJ	< 0.16 UJ	< 0.18 UJ	< 0.14 UJ	< 0.18 UJ	< 0.17 UJ
n-Propylbenzene	TO-15	< 0.14 U	< 0.15 U	< 0.13 U	< 0.074 U	< 0.12 U	< 0.15 U	< 0.069 UJ
o-Xylene	TO-15	< 0.076 UJ	< 0.079 UJ	< 0.072 UJ	< 0.08 U	< 0.063 UJ	0.017 J	< 0.074 U
sec-Butylbenzene	TO-15	< 0.17 U	< 0.18 U	< 0.16 U	< 0.18 UJ	< 0.14 U	< 0.18 U	< 0.17 UJ
Styrene	TO-15	< 0.076 U	< 0.078 U	< 0.071 U	< 0.079 U	< 0.062 U	< 0.079 U	< 0.074 U
tert-Butyl benzene	TO-15	< 0.17 UJ	< 0.18 UJ	< 0.16 UJ	< 0.089 UJ	< 0.14 UJ	< 0.18 UJ	< 0.082 UJ
Tetrachloroethene	TO-15	< 0.12 U	< 0.12 UJ	< 0.11 UJ	< 0.12 U	--	--	--
	TO-15 SIM	--	--	--	--	0.01	0.034 J	0.016 J-
Toluene	TO-15	0.16	0.13	0.069	0.045 J	0.027 J	0.081	0.067
trans-1,2-Dichloroethene	TO-15	< 0.06 U	< 0.061 U	< 0.056 U	< 0.062 U	< 0.049 U	< 0.062 U	< 0.058 U
trans-1,3-Dichloropropene	TO-15	< 0.081 U	< 0.084 U	< 0.076 U	< 0.085 U	< 0.067 U	< 0.085 U	< 0.079 U
Trichloroethene	TO-15	< 0.095 U	< 0.098 U	< 0.09 U	< 0.1 U	--	< 0.1 U	--
	TO-15 SIM	--	--	--	--	0.0092	--	< 0.007 UJ
Vinyl acetate	TO-15	< 0.052 U	< 0.054 U	< 0.049 U	< 0.055 U	< 0.043 U	< 0.055 U	0.025 J-
Vinyl chloride	TO-15	< 0.046 U	< 0.047 U	< 0.043 U	< 0.048 U	--	< 0.048 U	--
	TO-15 SIM	--	--	--	--	< 0.0036 U	--	< 0.0033 UJ

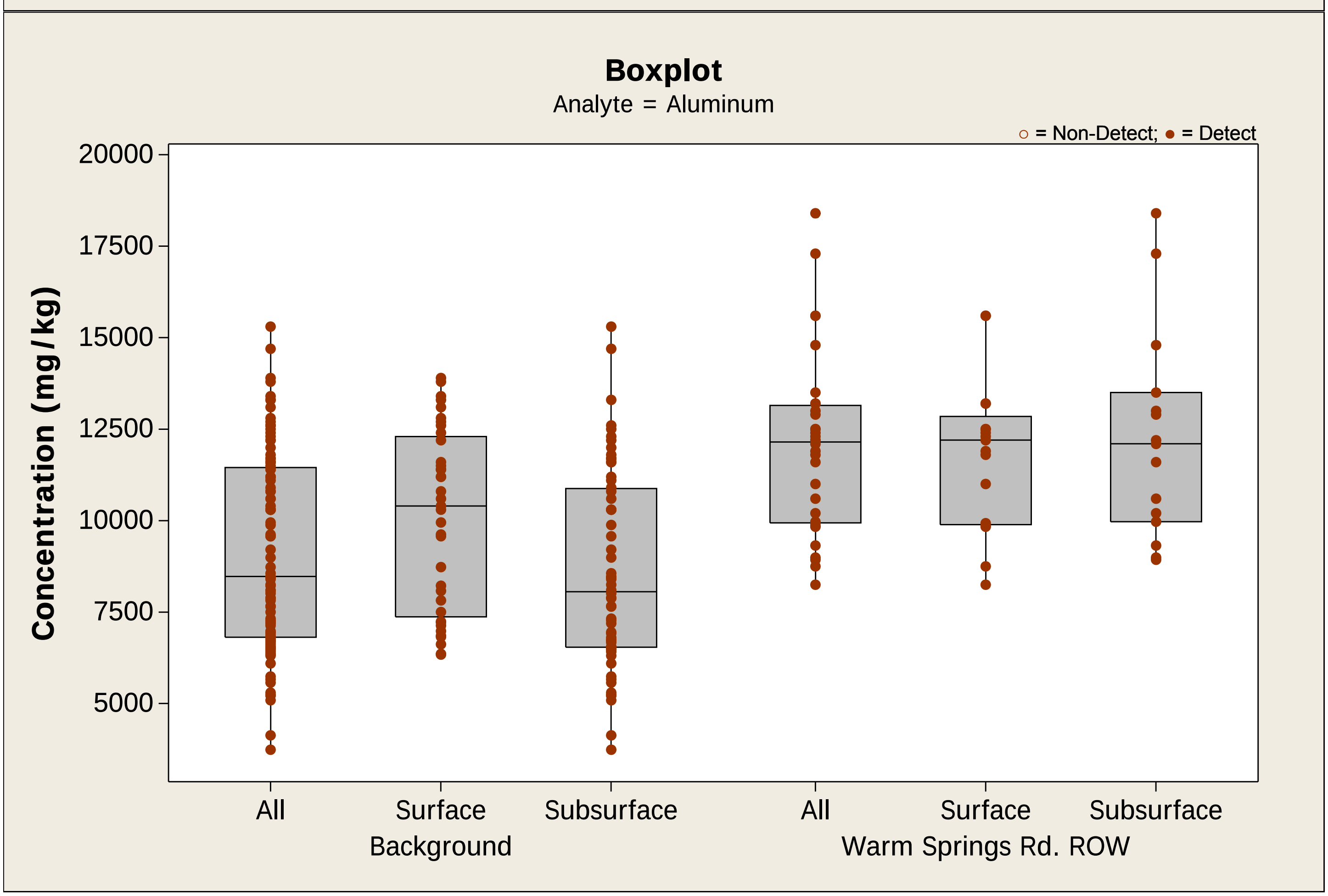
All units in $\mu g/m^2,min^{-1}$.

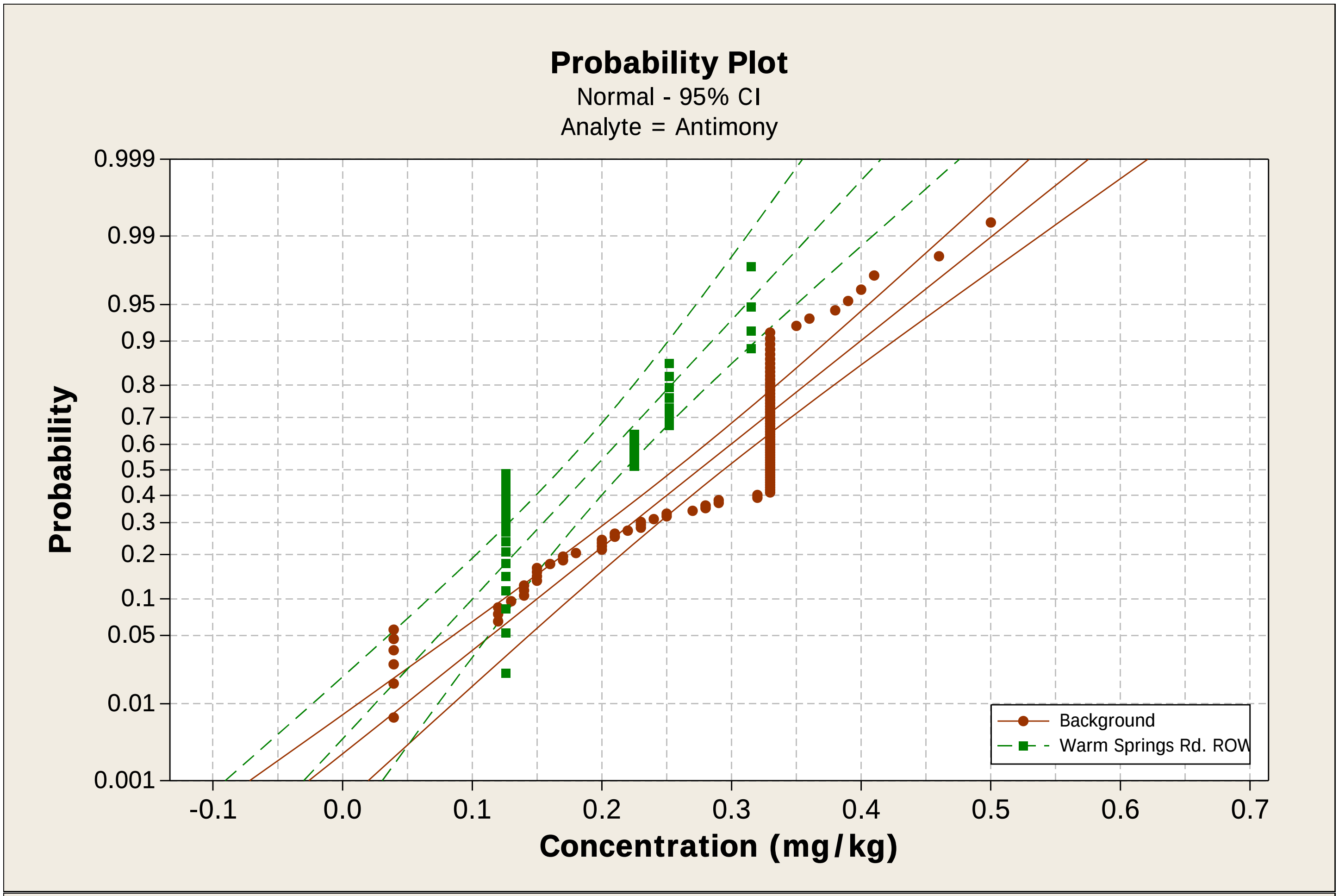
-- = no sample data.

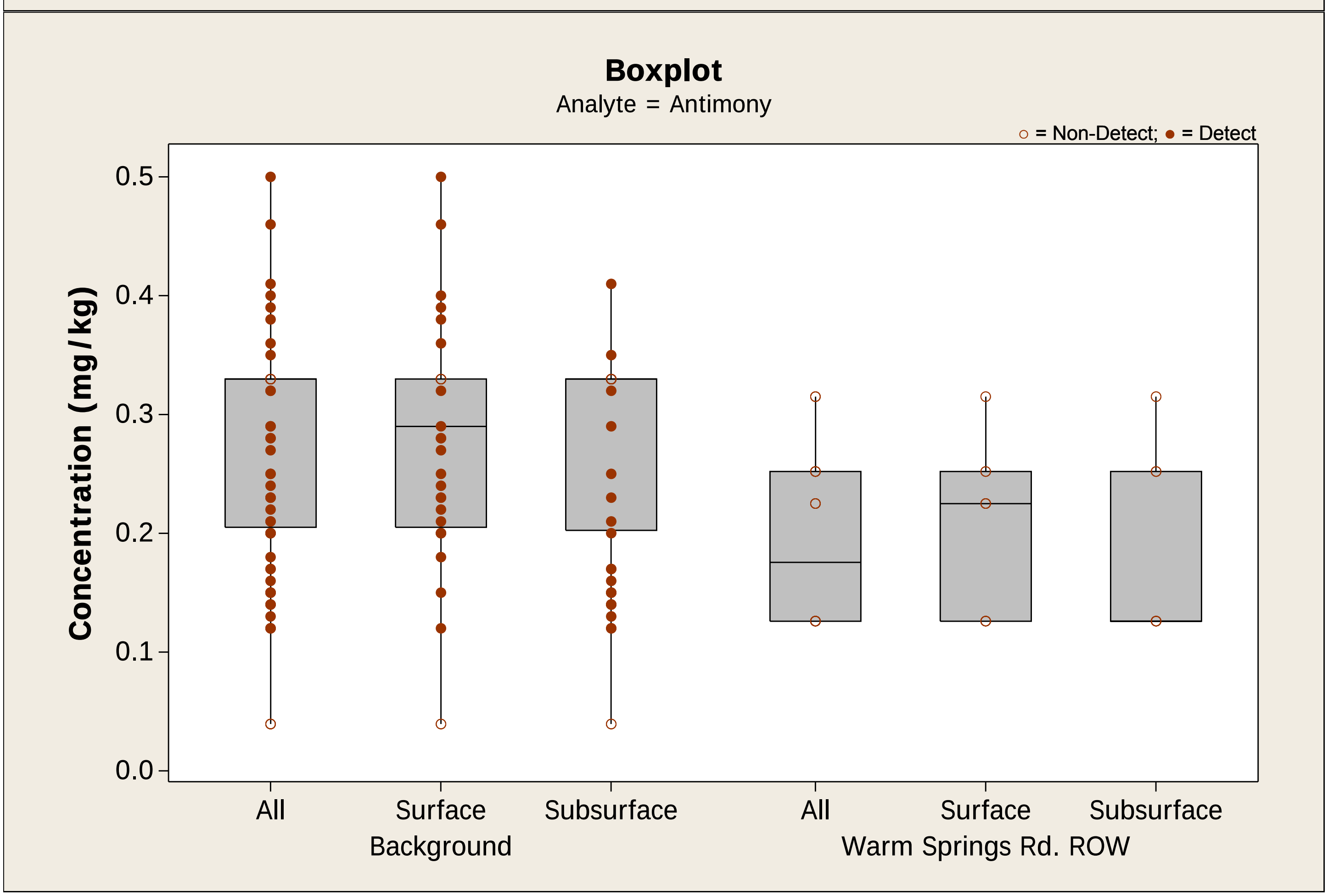
ATTACHMENT C

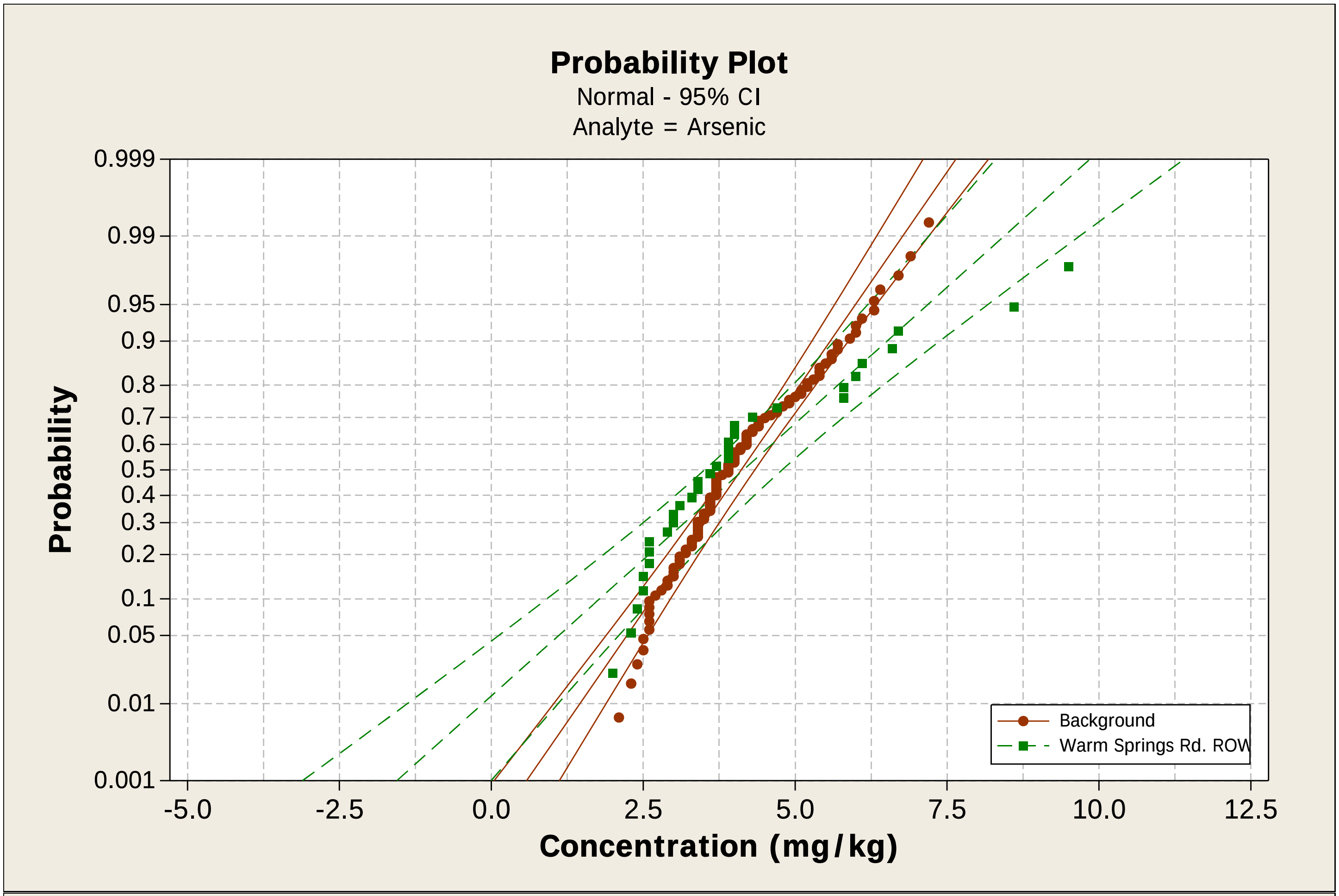
CUMULATIVE PROBABILITY PLOTS AND BOXPLOTS


Probability Plot
Normal - 95% CI
Analyte = Aluminum
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
5000
10000
15000
20000
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

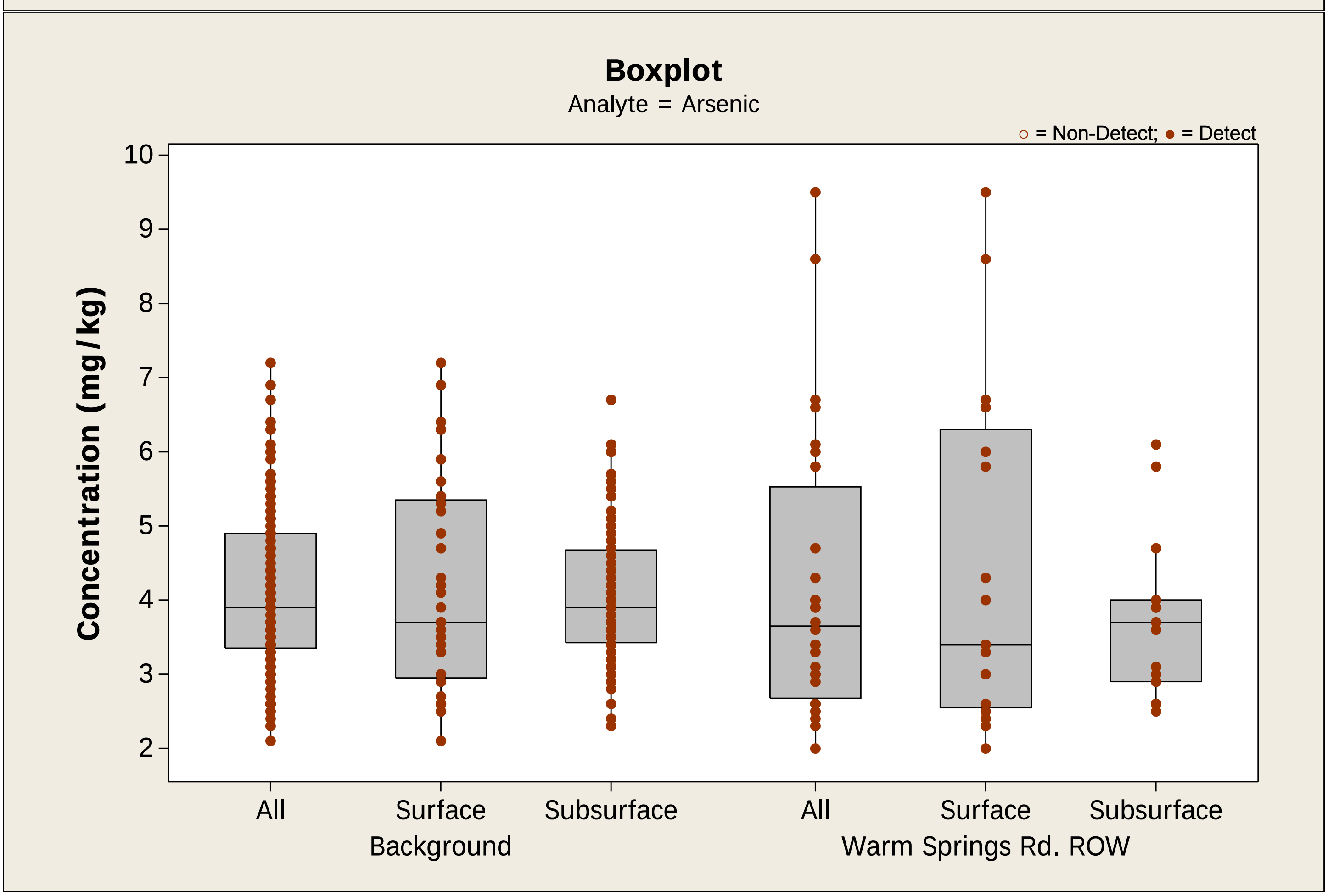

Boxplot
Analyte = Aluminum
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
20000
17500
15000
12500
10000
7500
5000
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Antimony
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

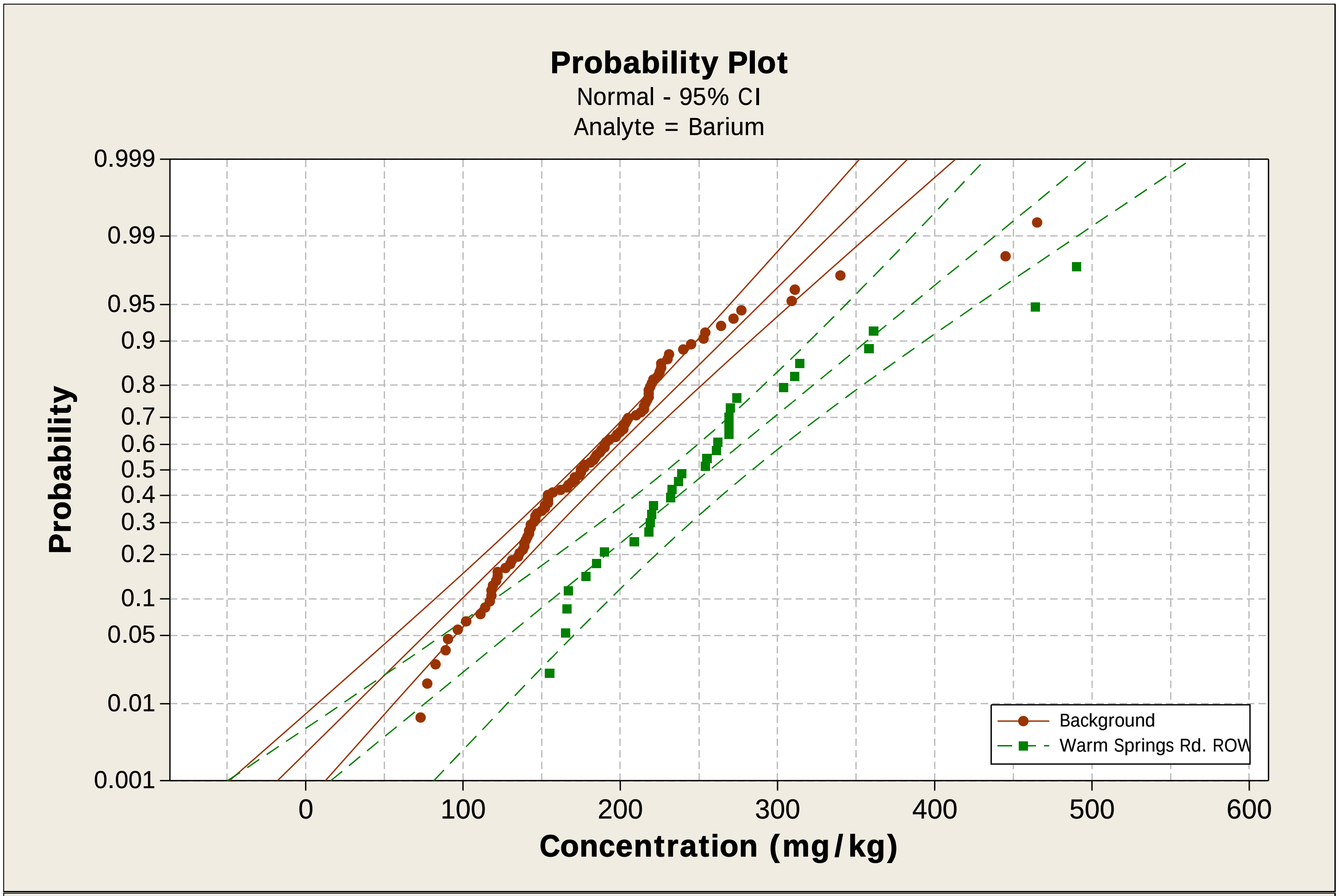

Boxplot
Analyte = Antimony
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
0.5
0.4
0.3
0.2
0.1
0.0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW

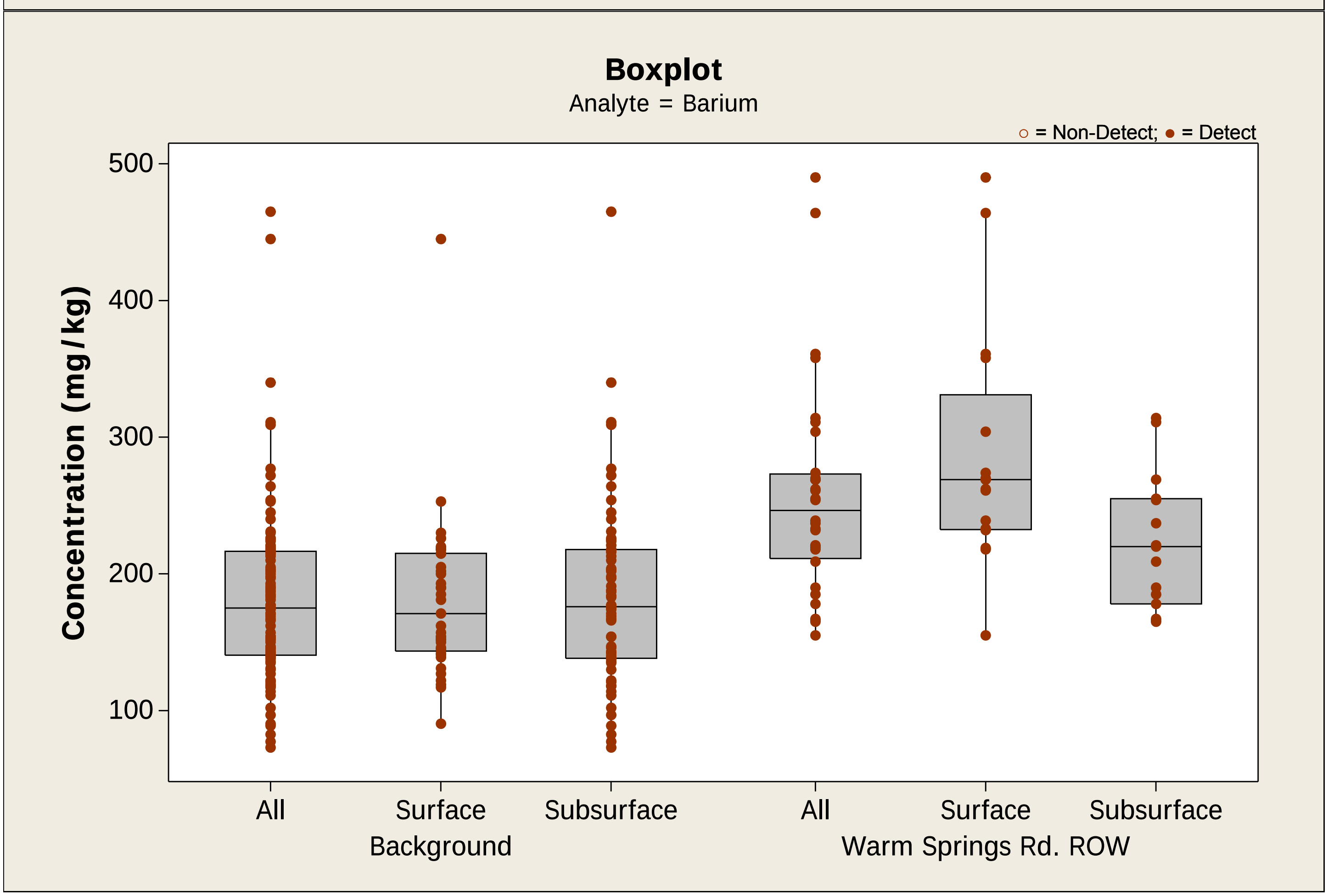


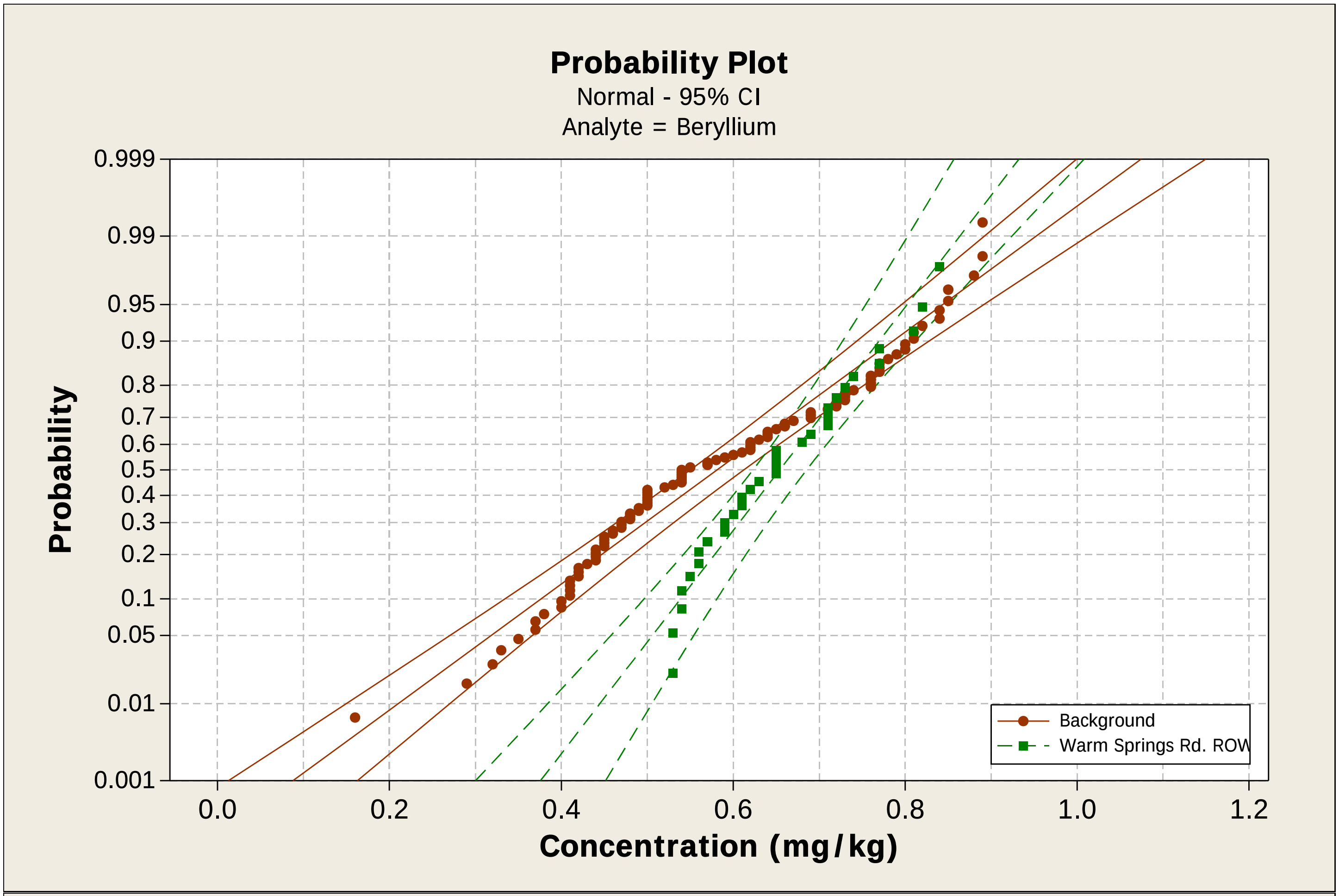
Probability Plot
Normal - 95% CI
Analyte = Arsenic
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-5.0
-2.5
0.0
2.5
5.0
7.5
10.0
12.5
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

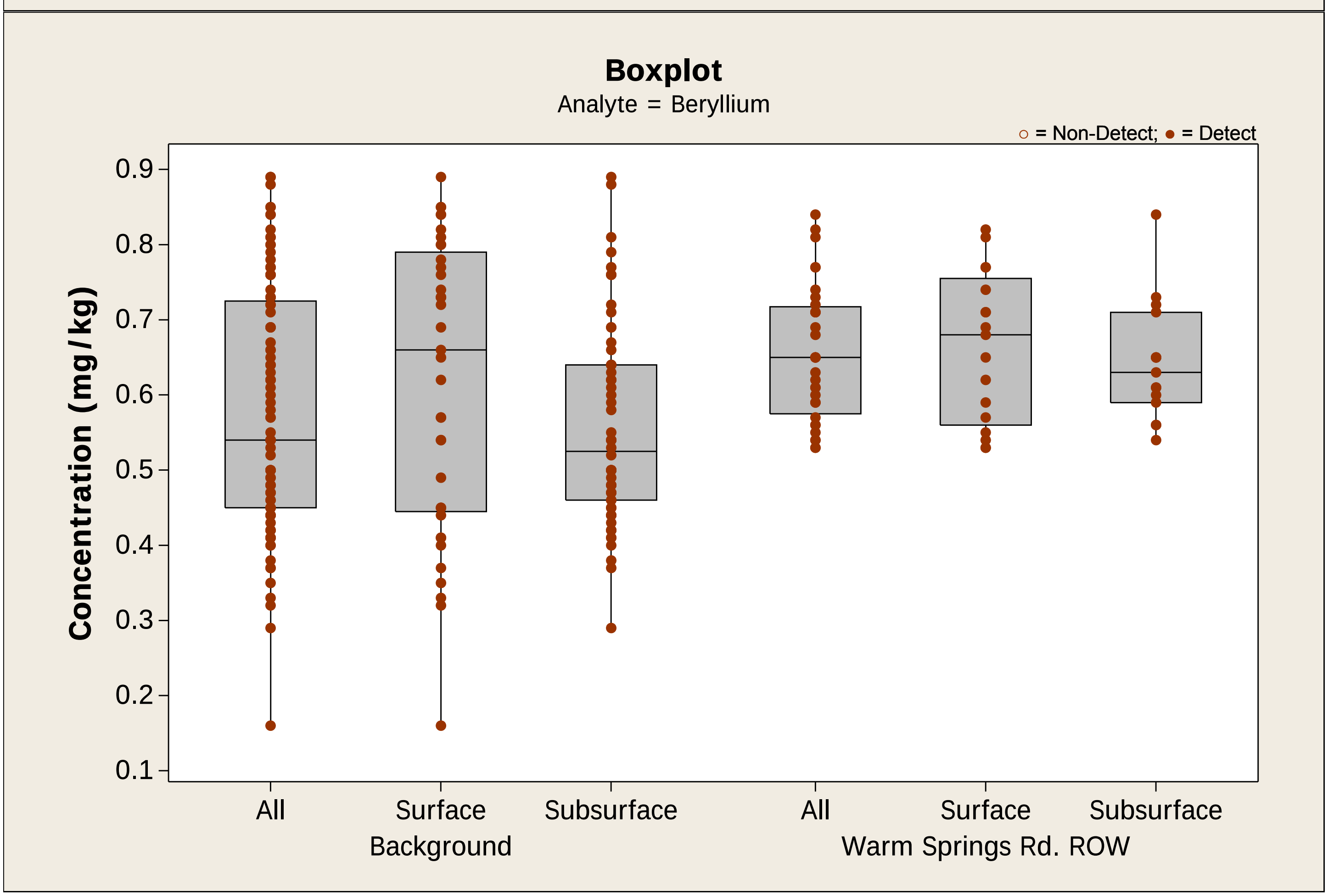


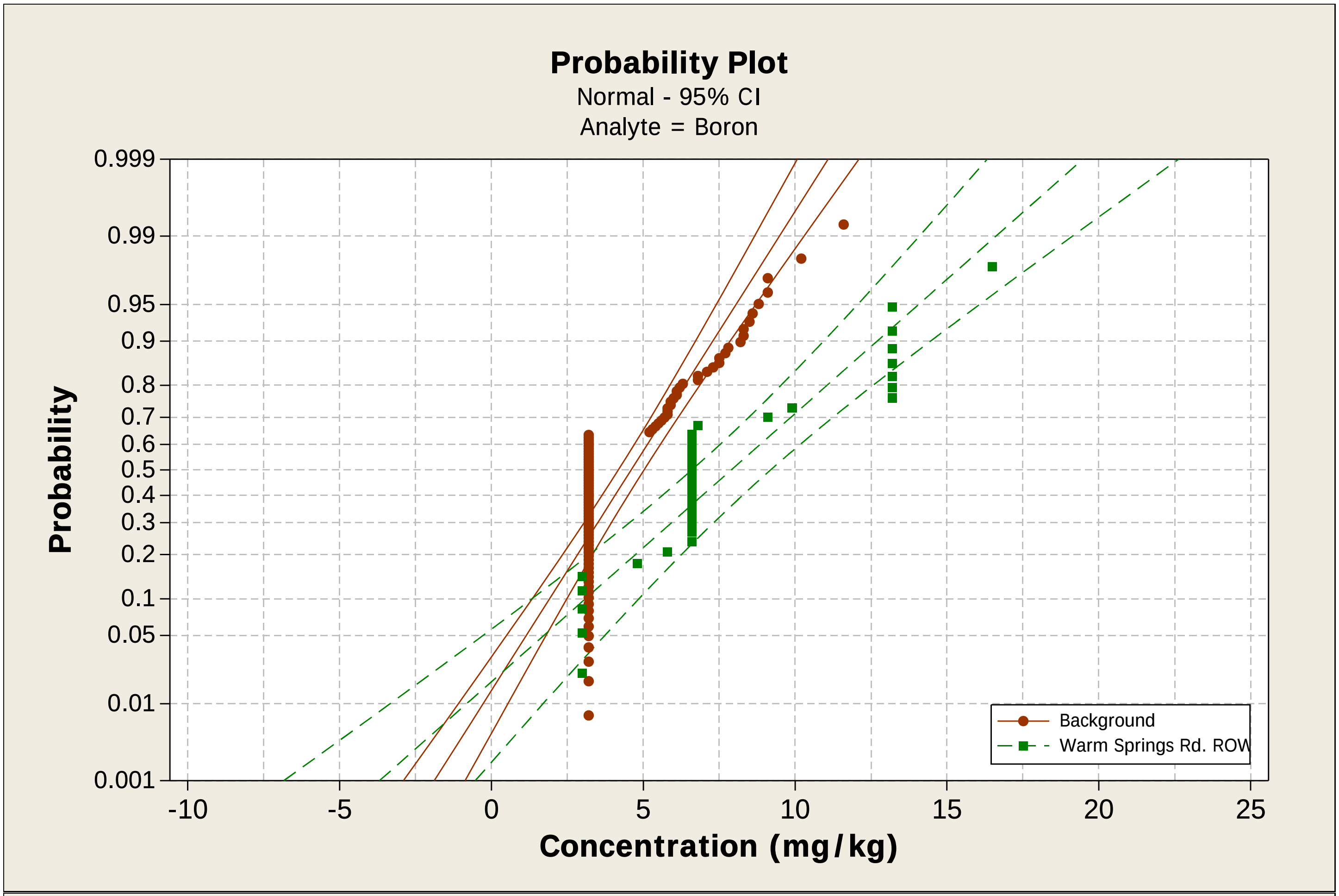
Boxplot
Analyte = Arsenic
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
10
9
8
7
6
5
4
3
2
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

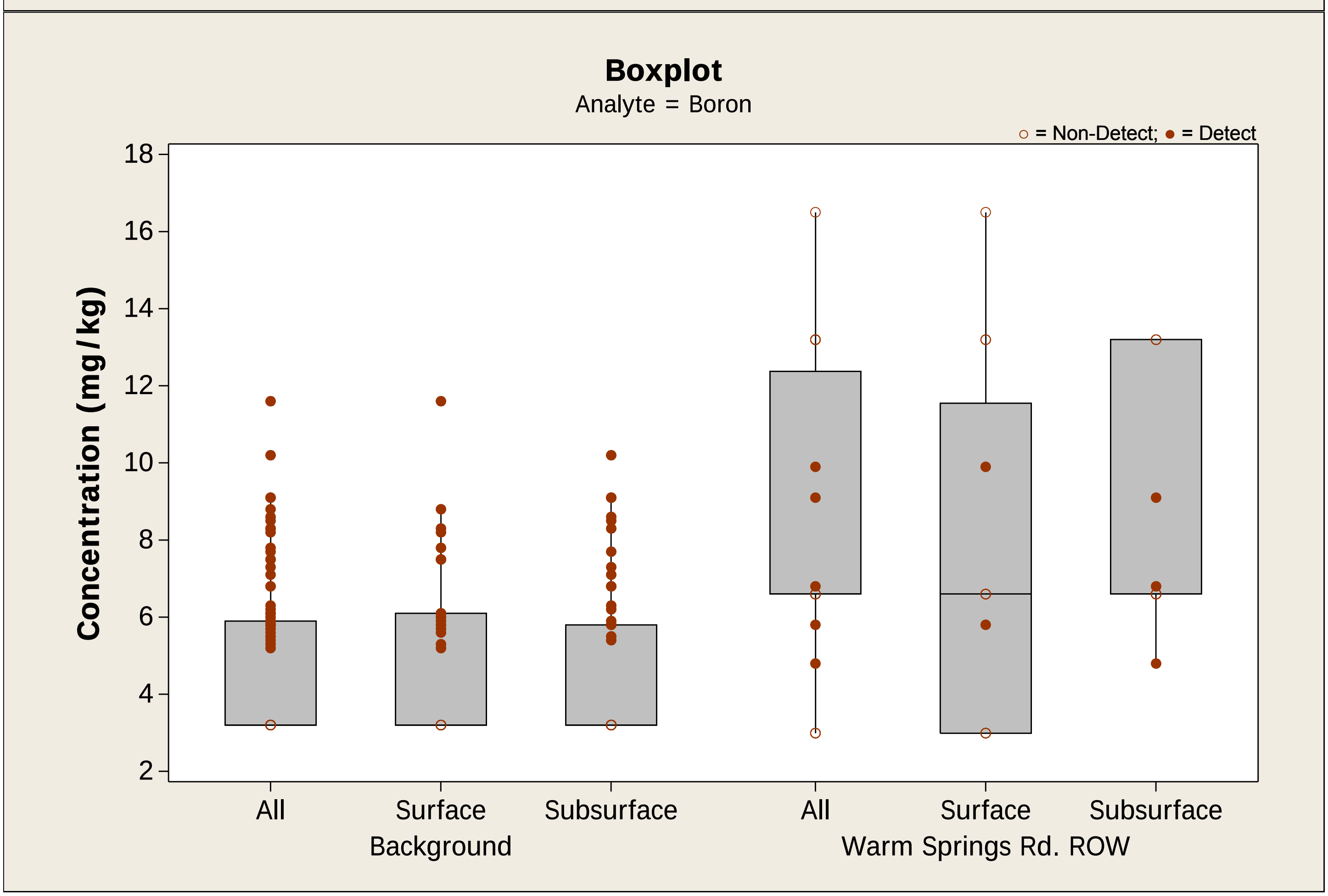

Probability Plot
Normal - 95% CI
Analyte = Barium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
100
200
300
400
500
600
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

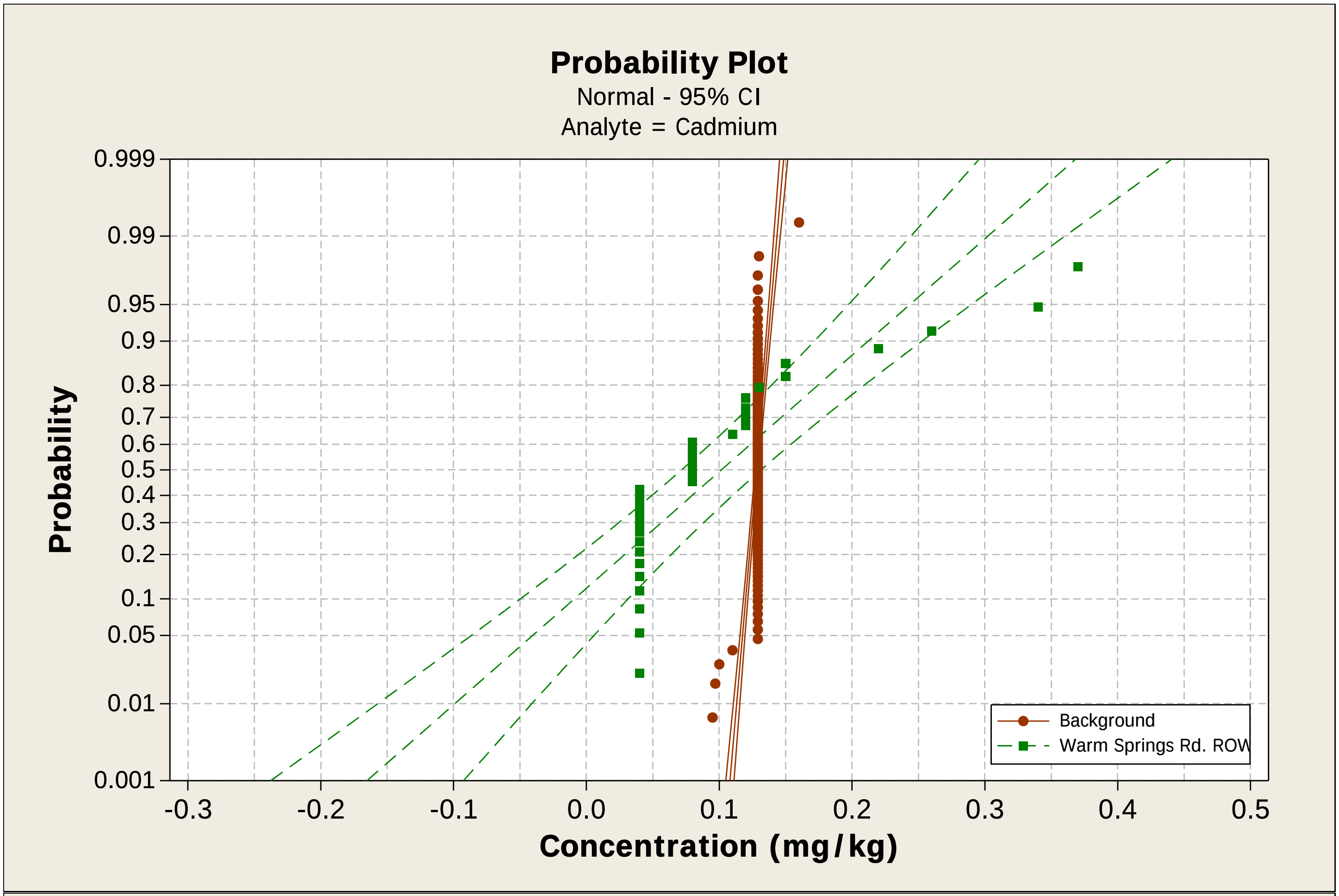

Boxplot
Analyte = Barium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
500
400
300
200
100
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Beryllium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

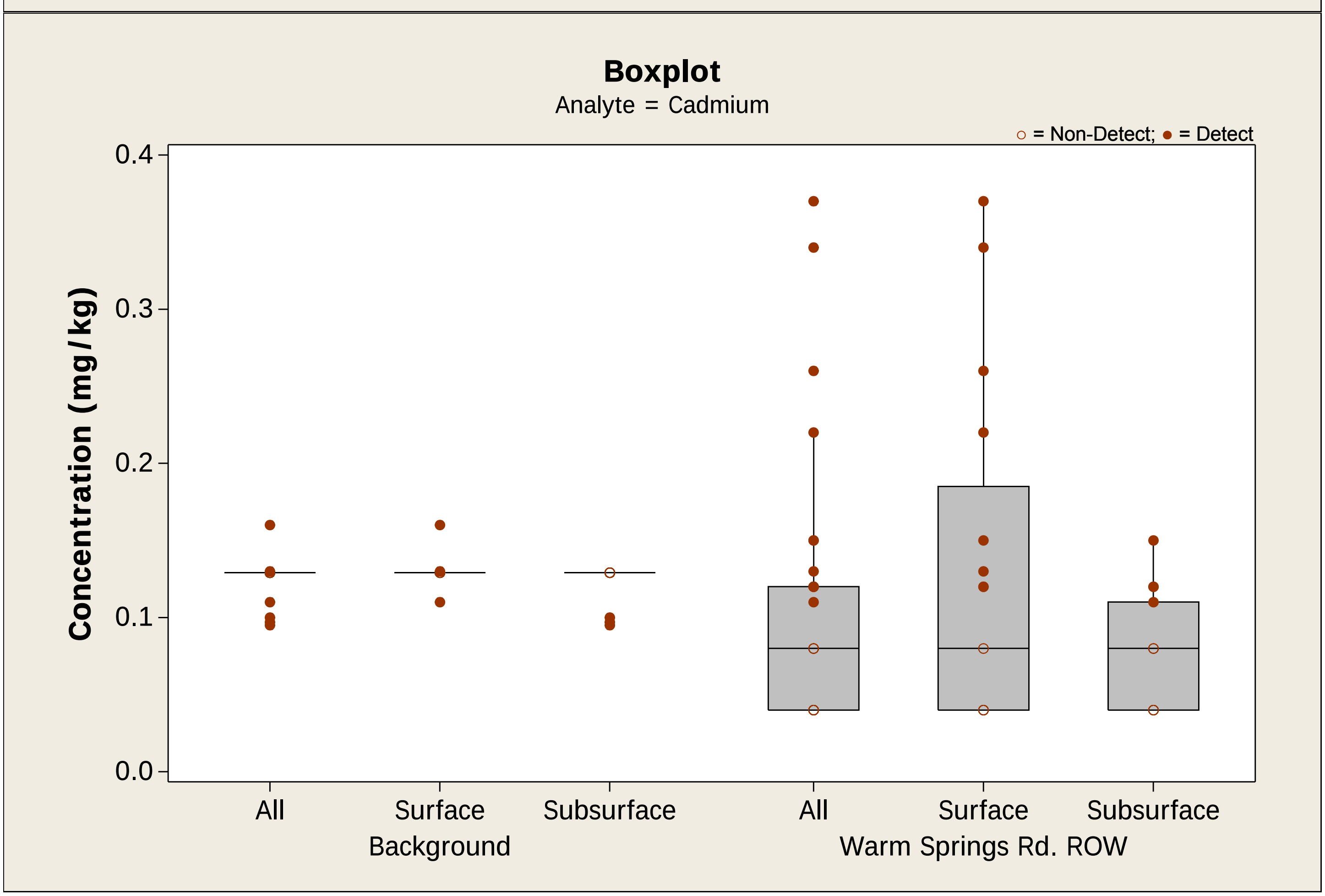

Boxplot
Analyte = Beryllium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Boron
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-10
-5
0
5
10
15
20
25
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

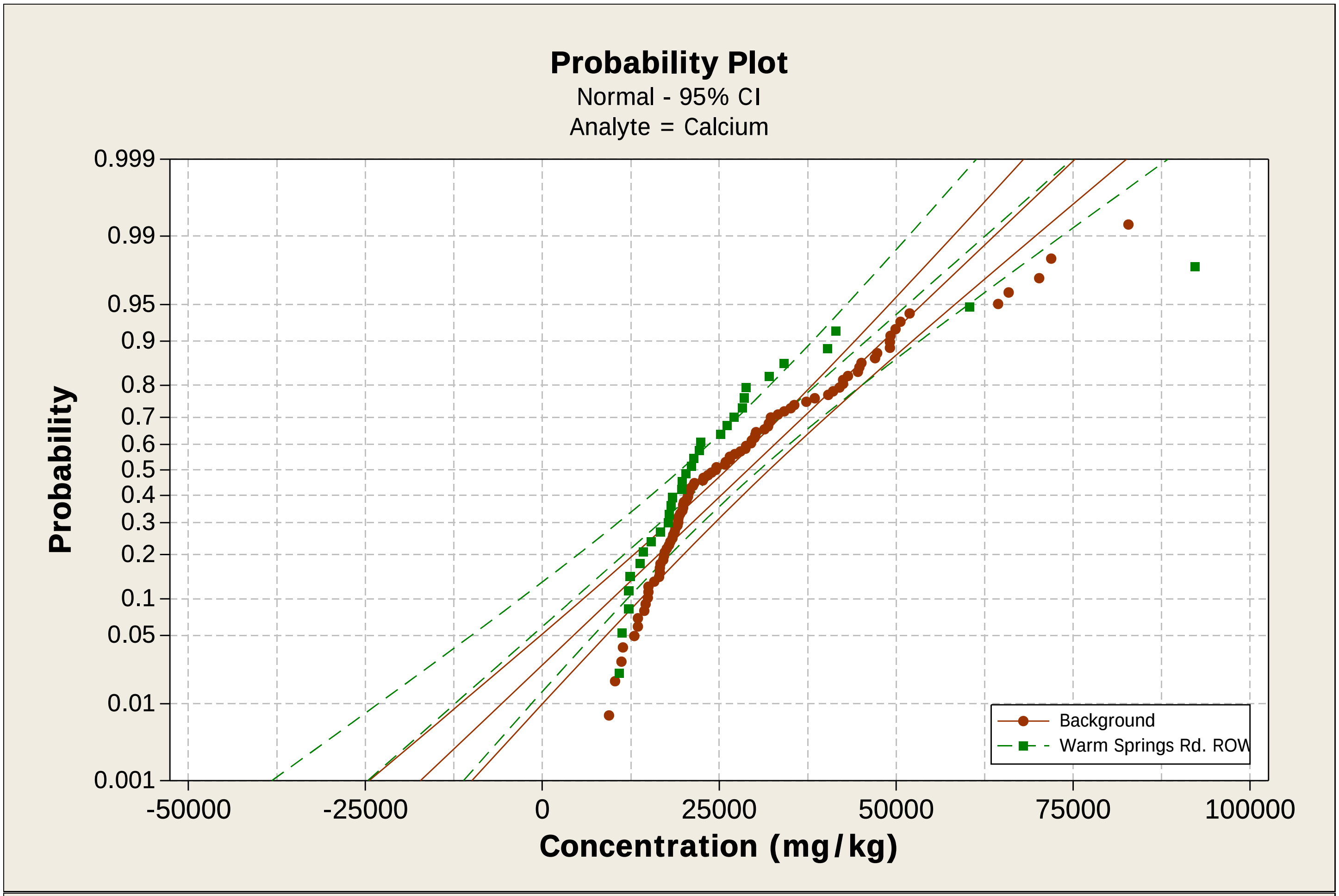

Boxplot
Analyte = Boron
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
18
16
14
12
10
8
6
4
2
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

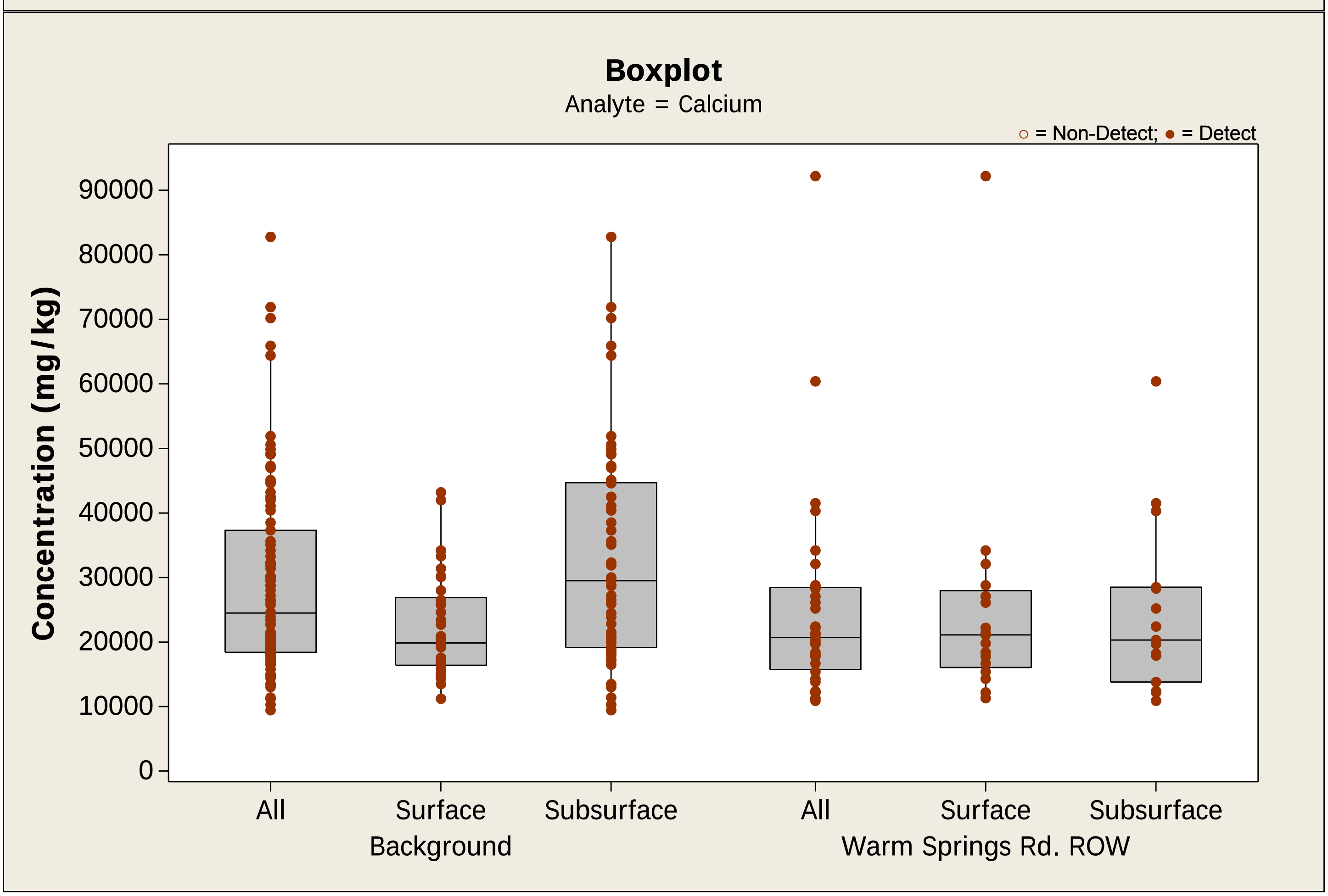


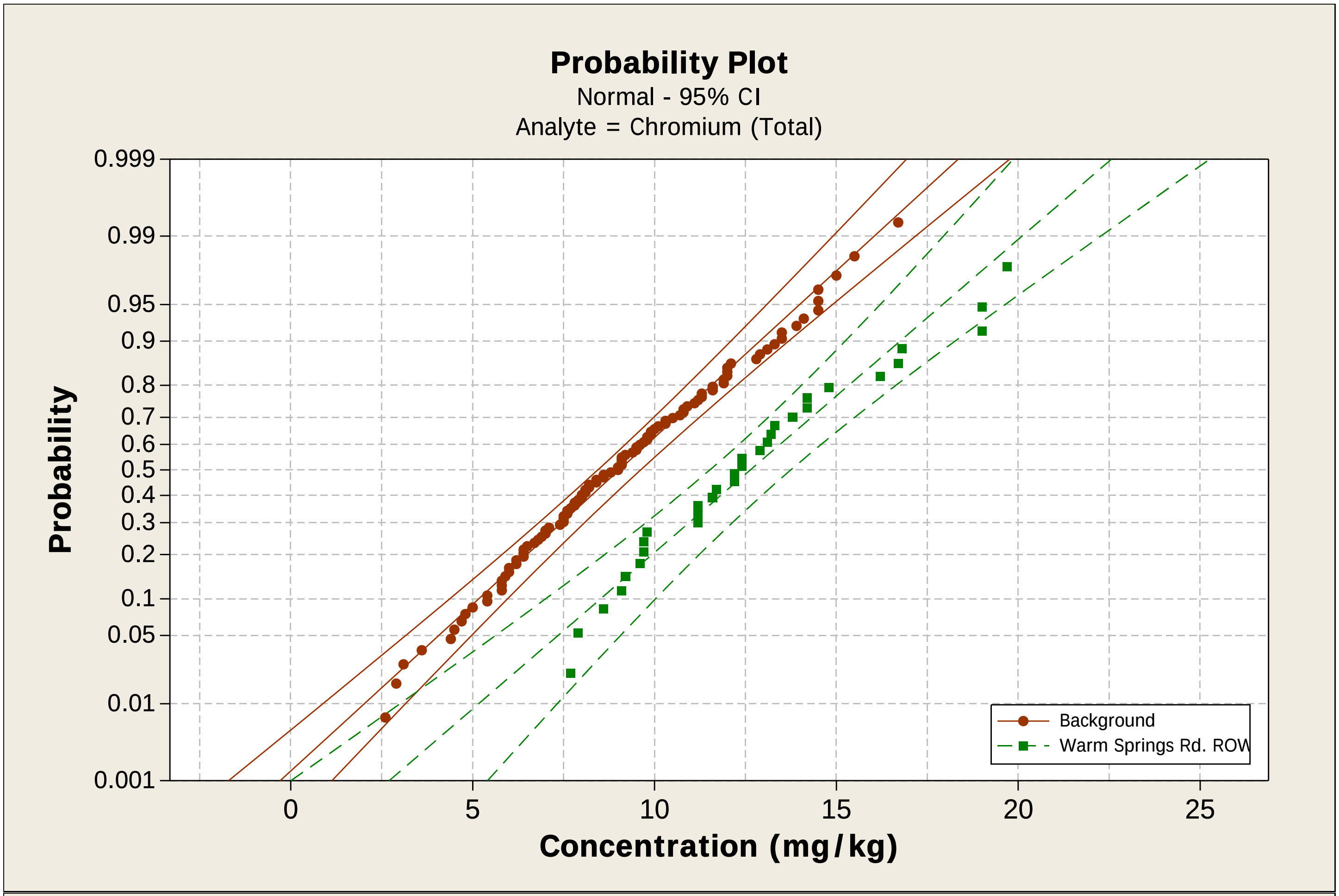
Probability Plot
Normal - 95% CI
Analyte = Cadmium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

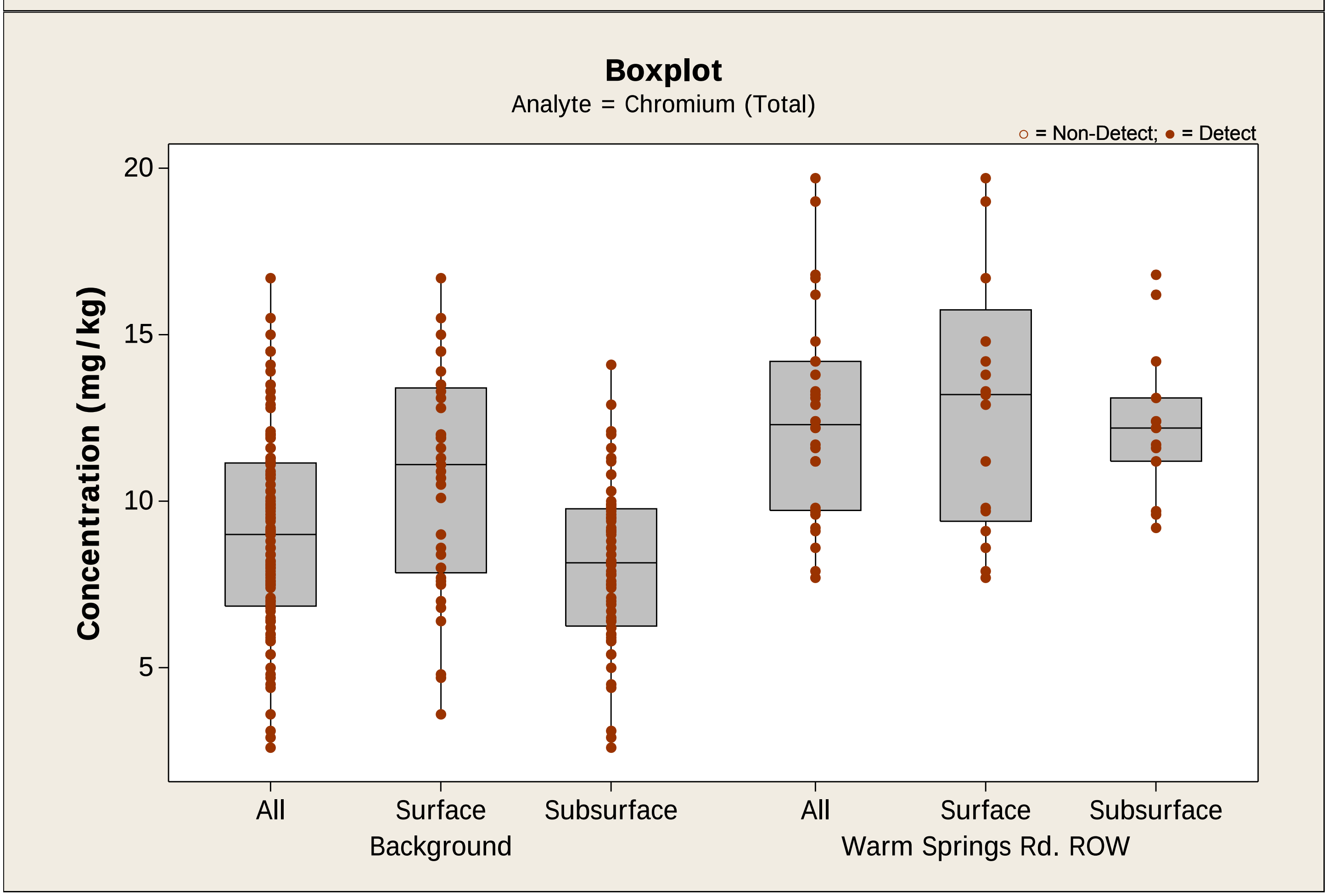


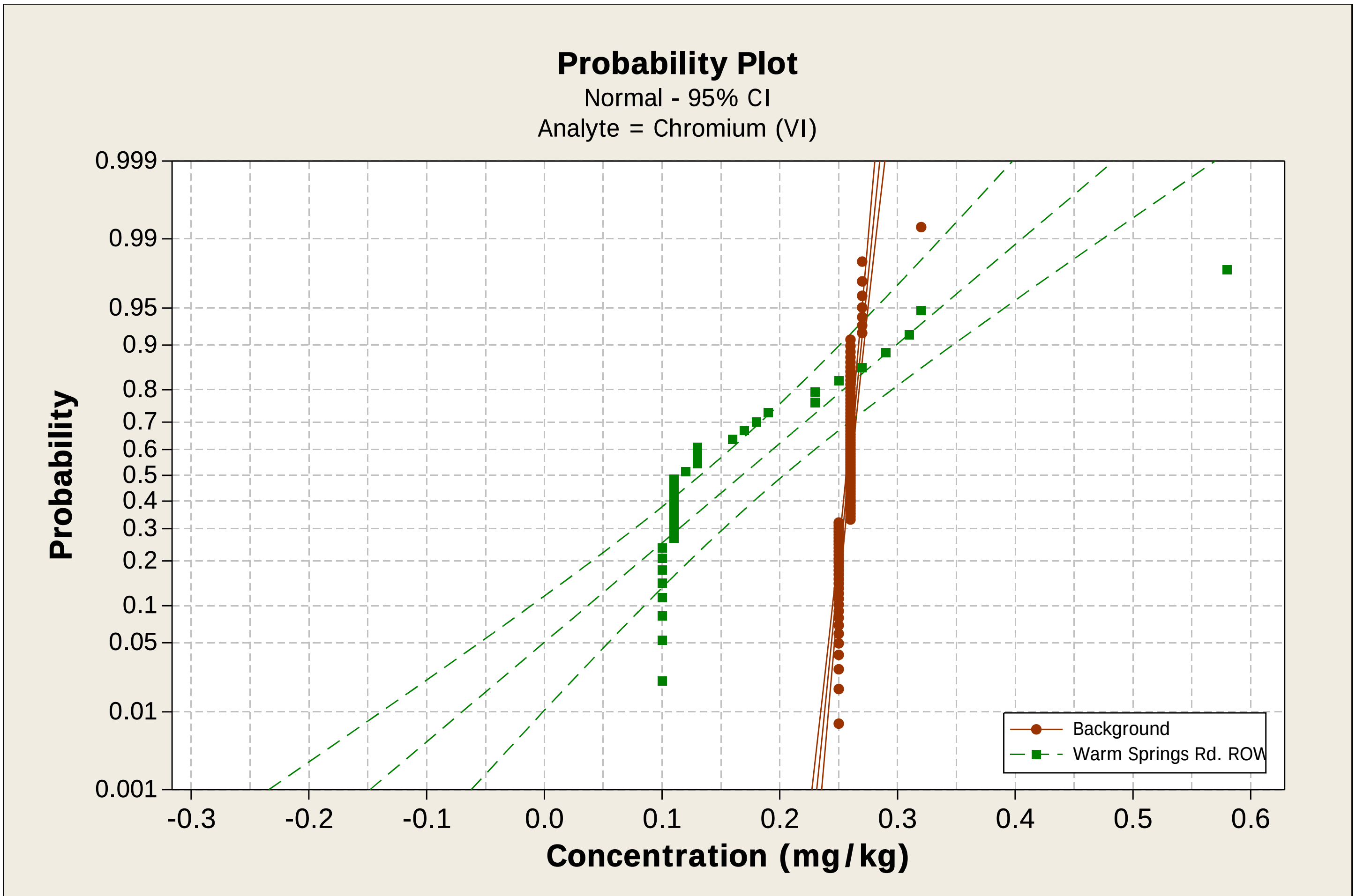
Boxplot
Analyte = Cadmium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
0.4
0.3
0.2
0.1
0.0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

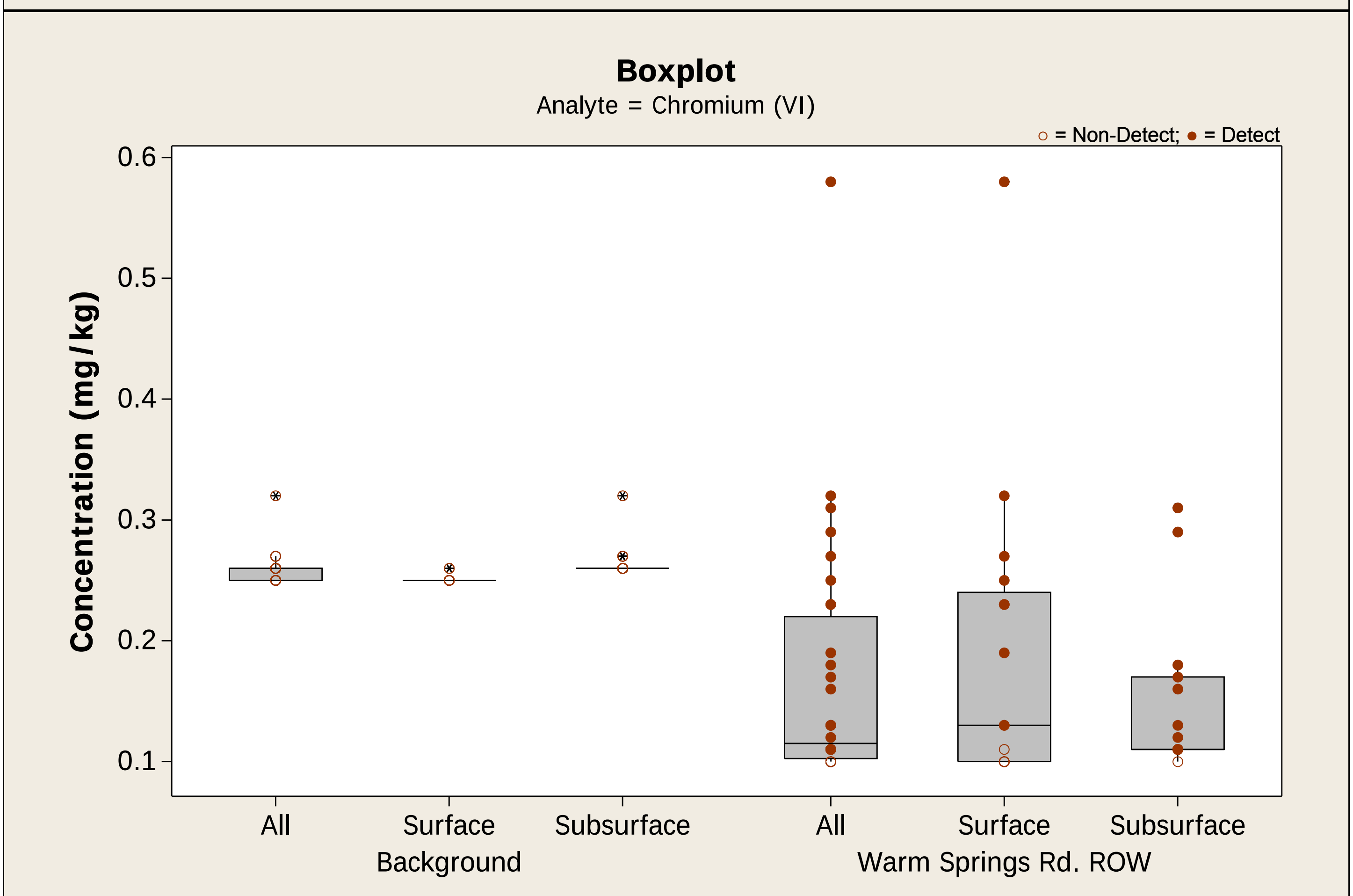

Probability Plot
Normal - 95% CI
Analyte = Calcium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-50000
-25000
0
25000
50000
75000
100000
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

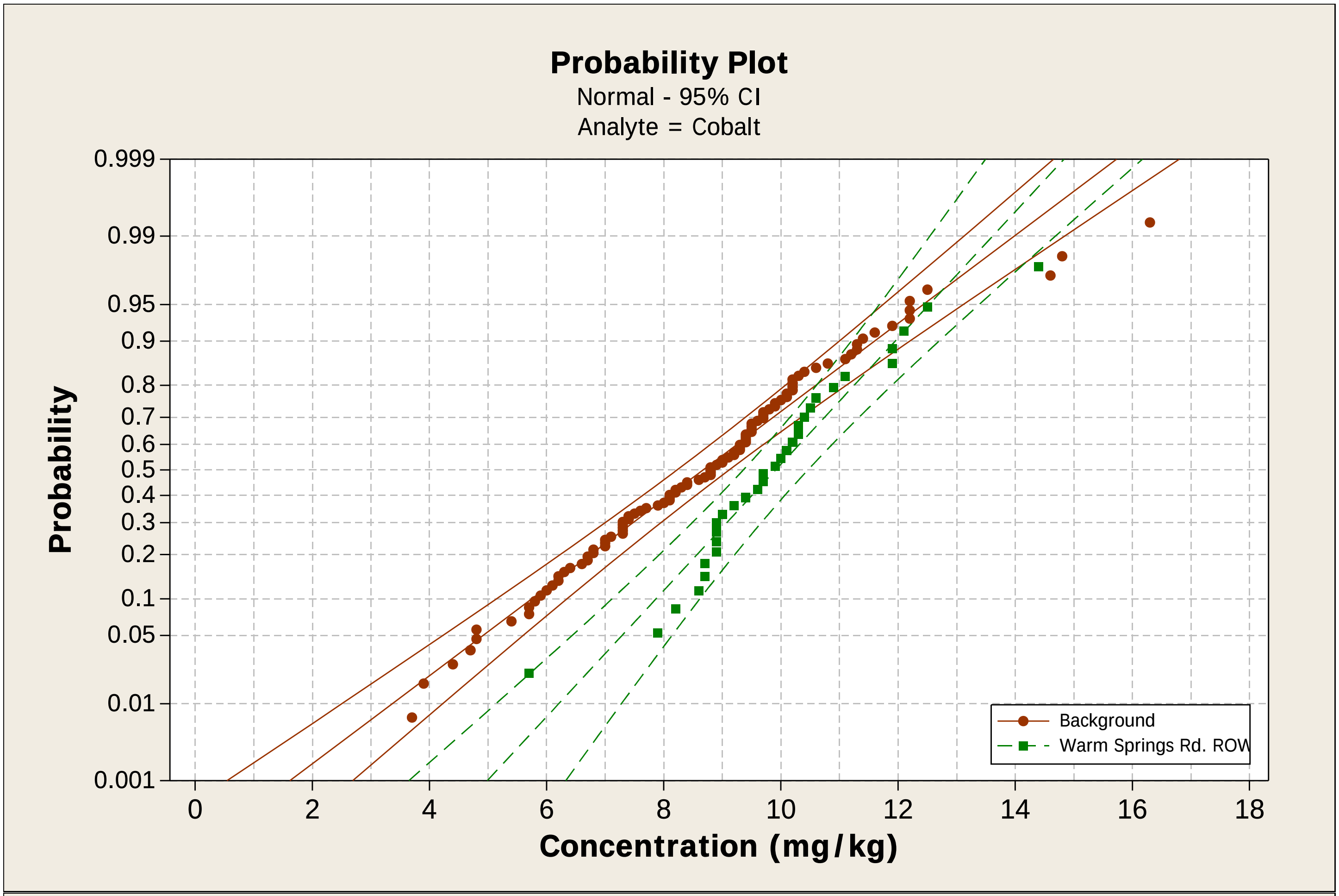

Boxplot
Analyte = Calcium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Chromium (Total)
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
5
10
15
20
25
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

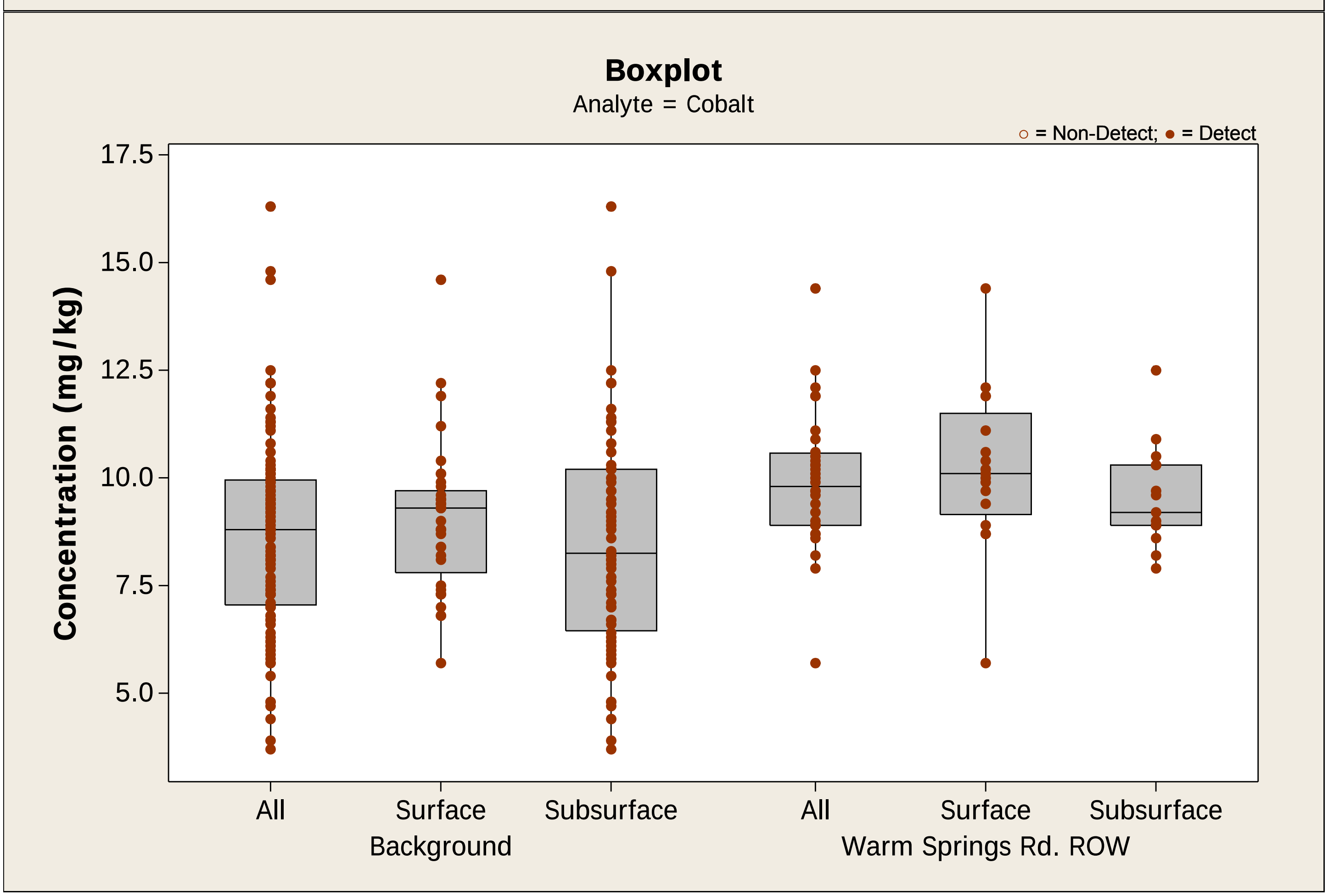

Boxplot
Analyte = Chromium (Total)
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
20
15
10
5
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Chromium (VI)
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

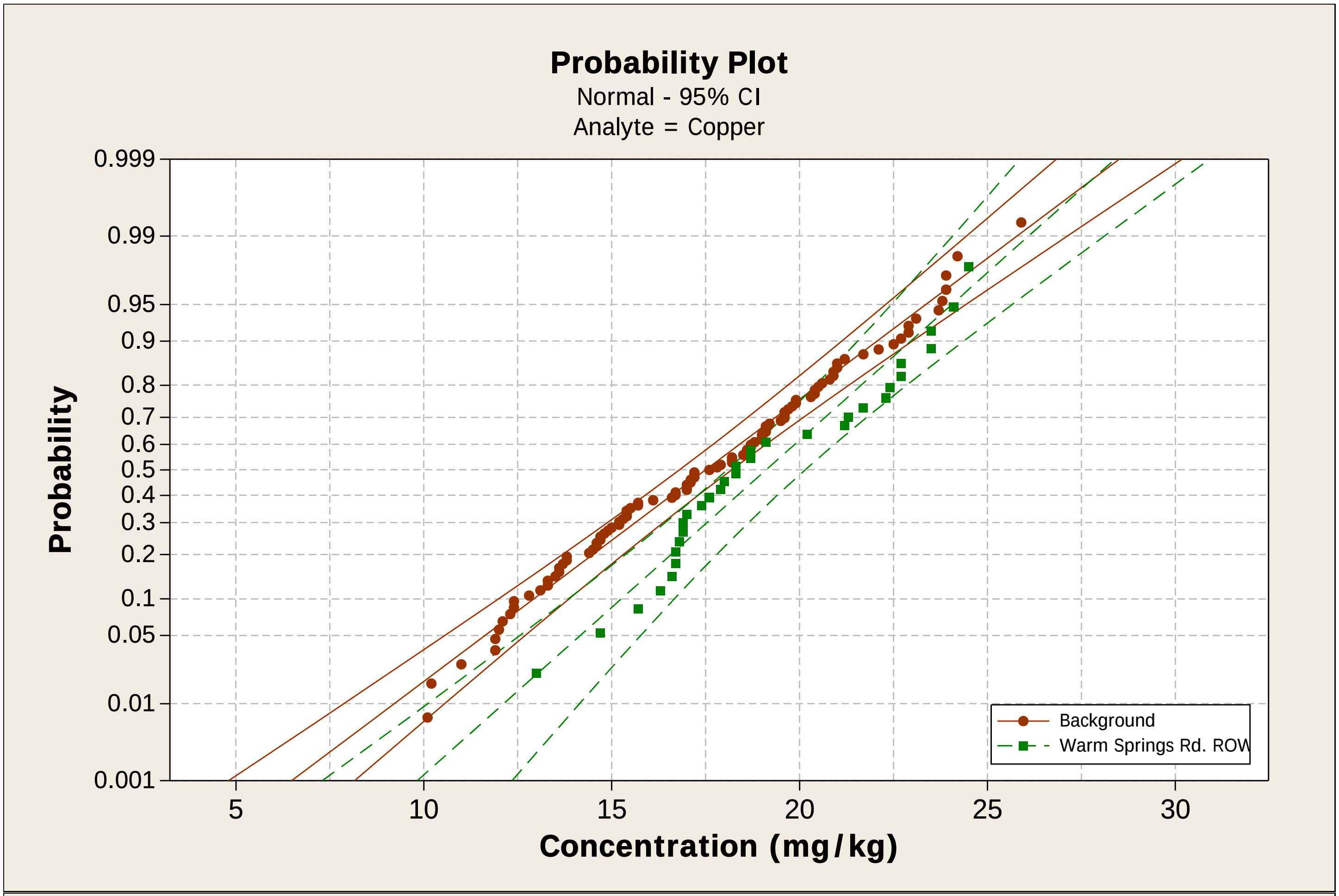

Boxplot
Analyte = Chromium (VI)
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
0.6
0.5
0.4
0.3
0.2
0.1
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW



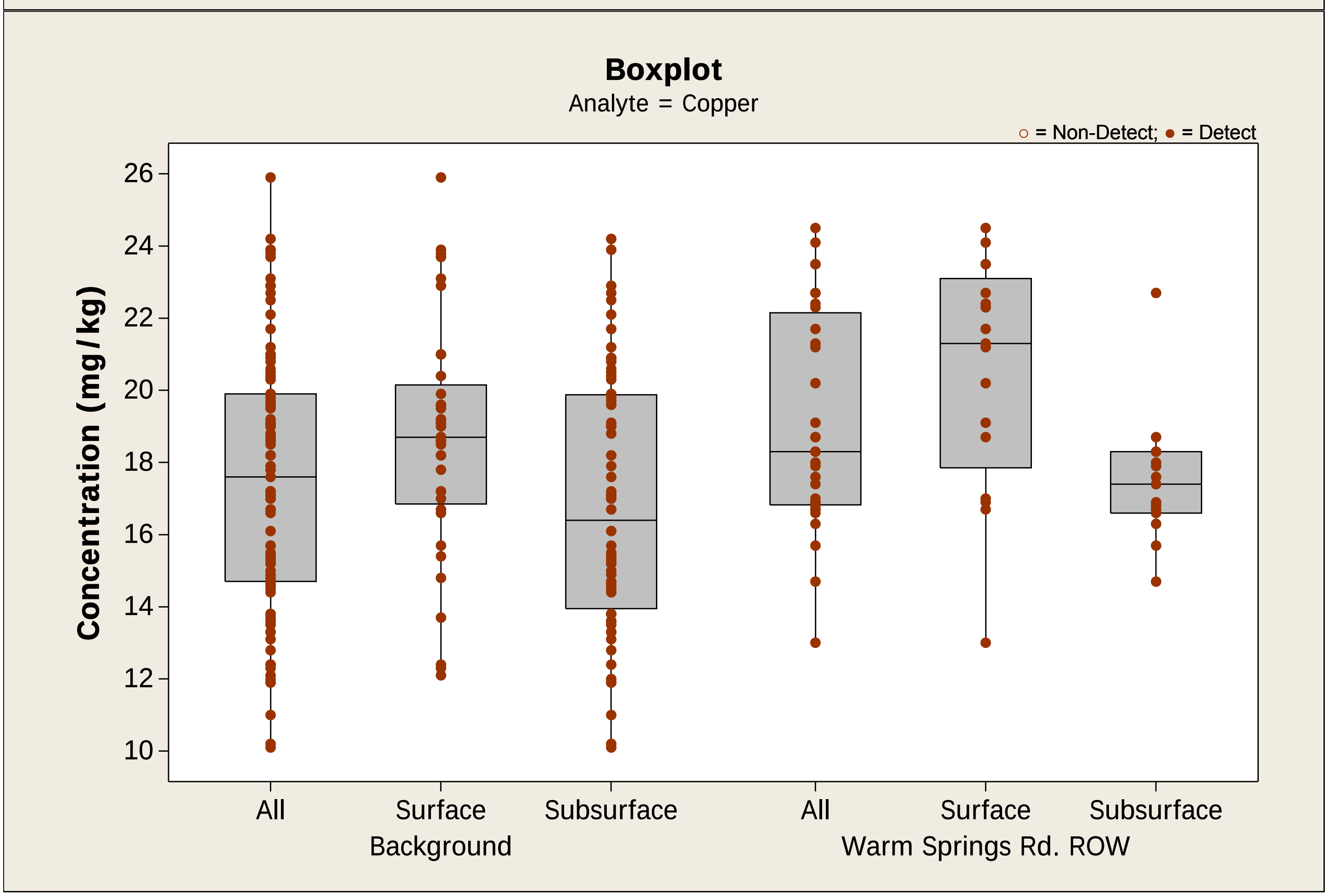
Probability Plot
Normal - 95% CI
Analyte = Cobalt
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
2
4
6
8
10
12
14
16
18
Concentration (mg/kg)
Background
Warm Springs Rd. ROW



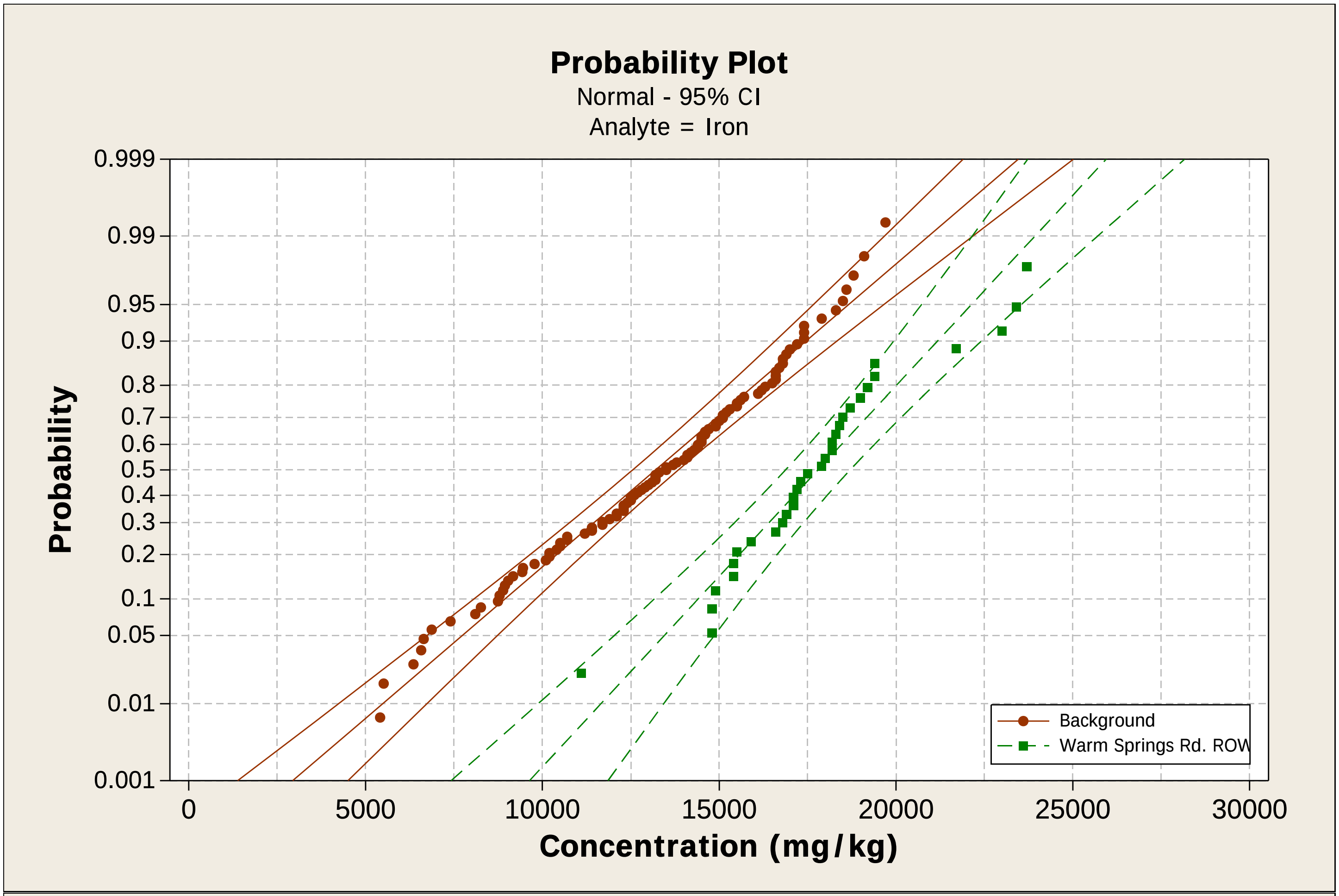
Boxplot
Analyte = Cobalt
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
17.5
15.0
12.5
10.0
7.5
5.0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

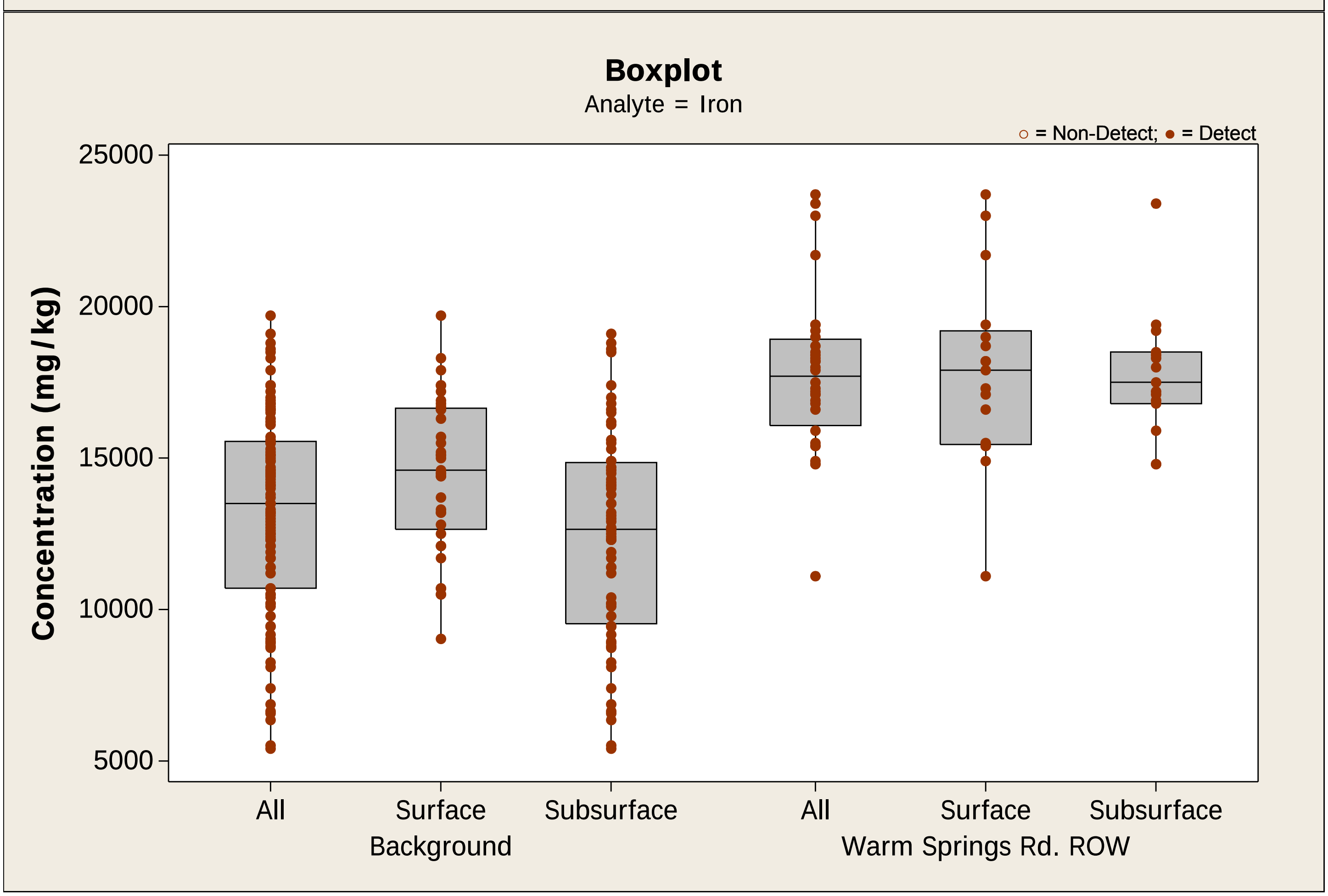


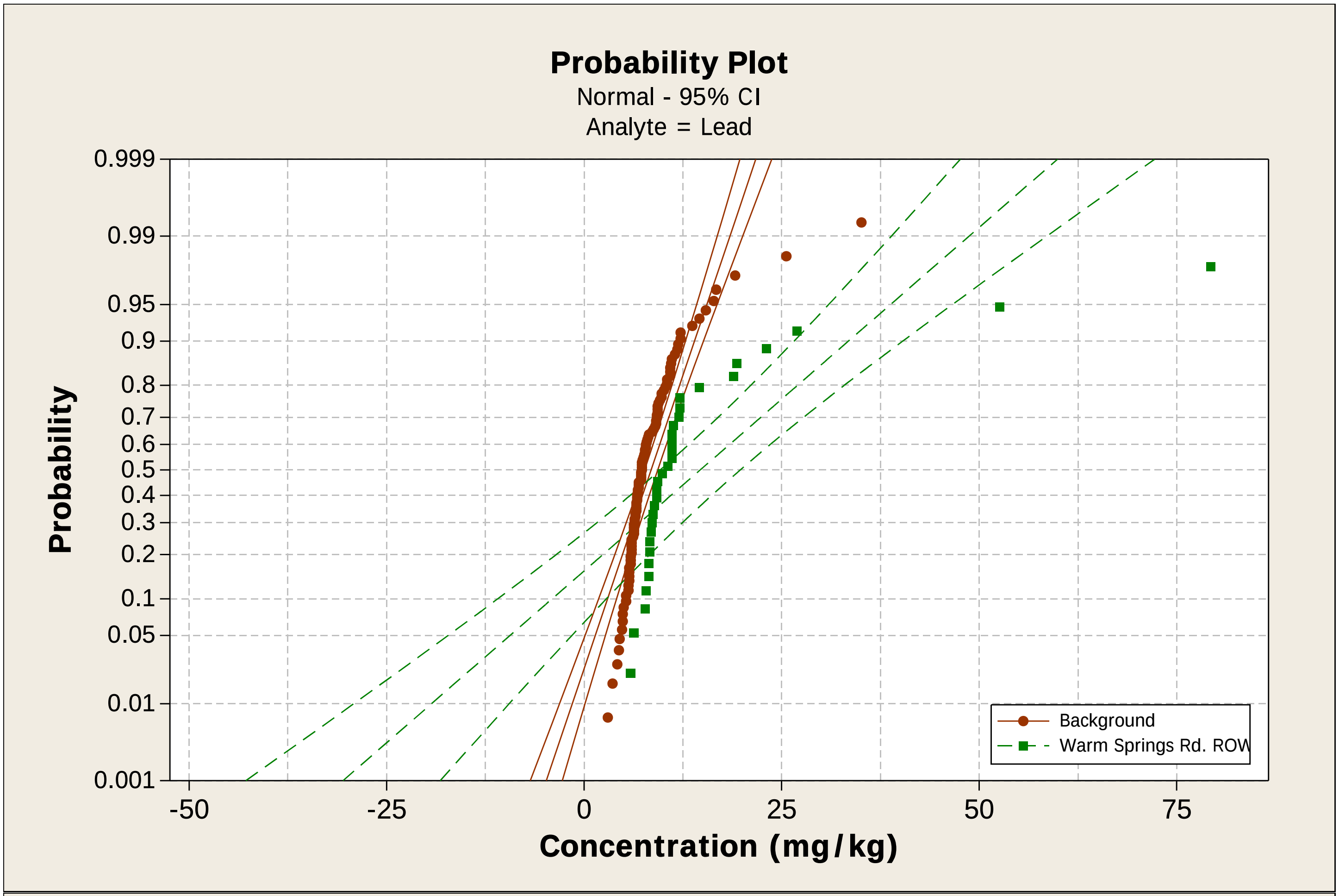
Probability Plot
Normal - 95% CI
Analyte = Copper
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
5
10
15
20
25
30
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

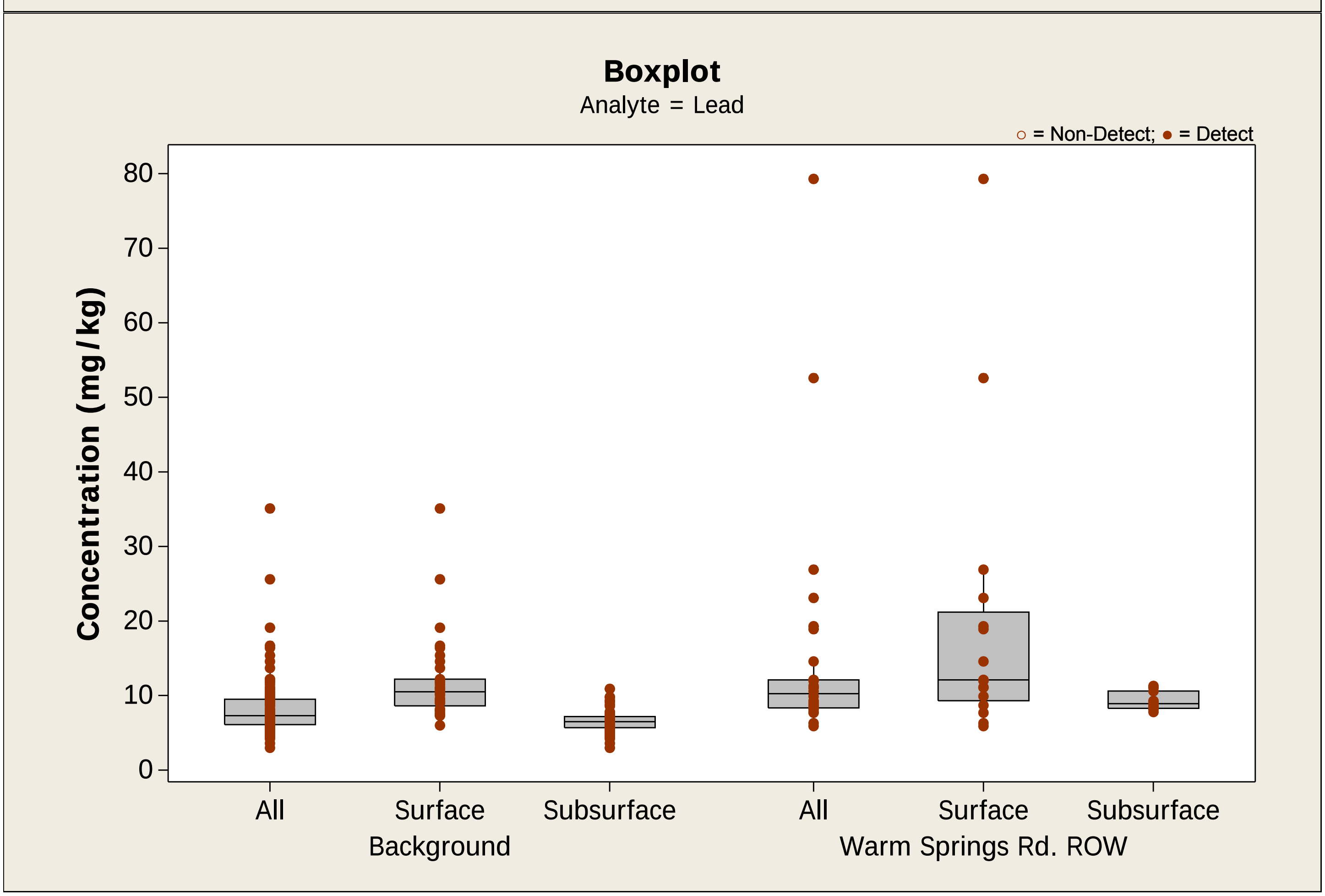


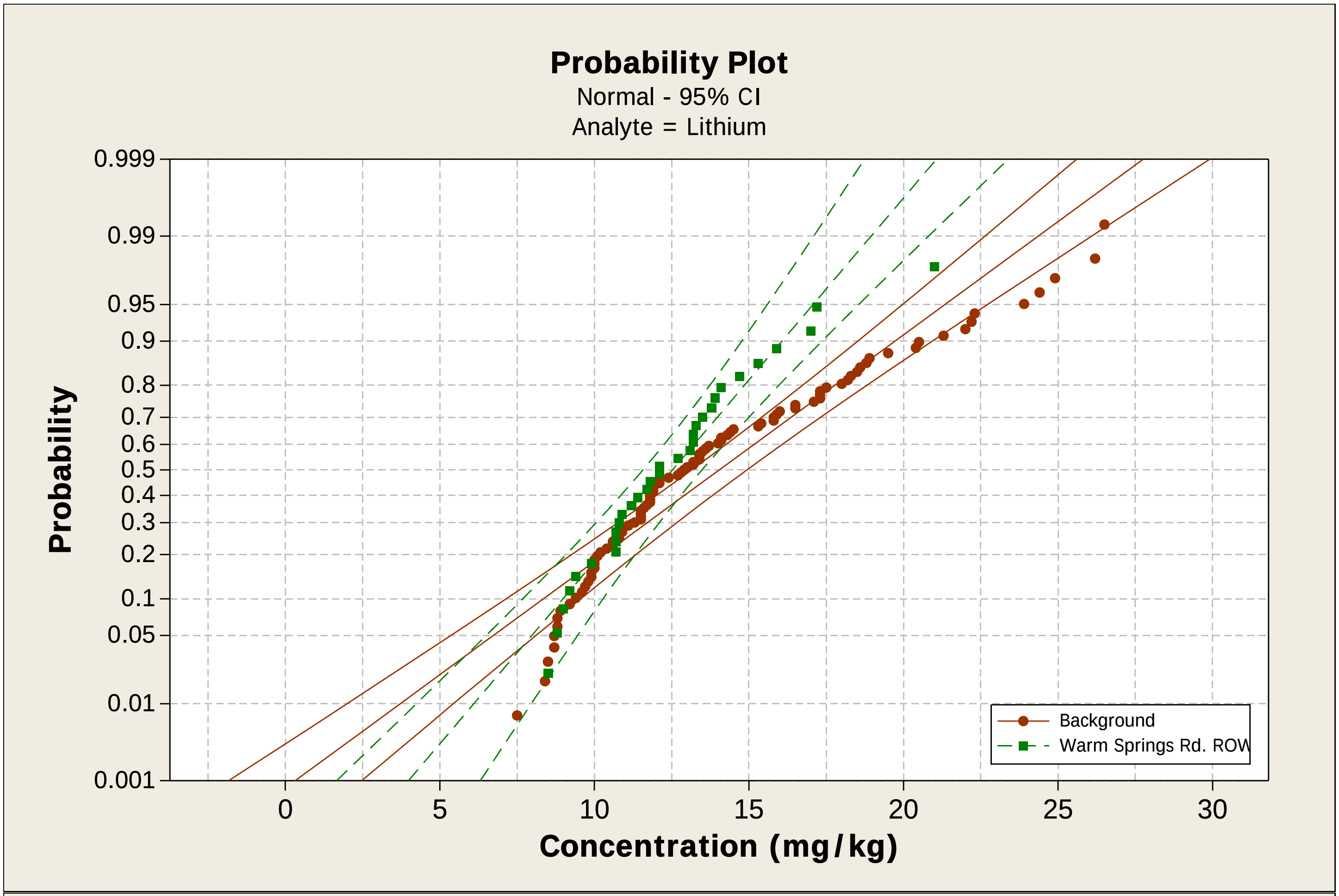
Boxplot
Analyte = Copper
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
26
24
22
20
18
16
14
12
10
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

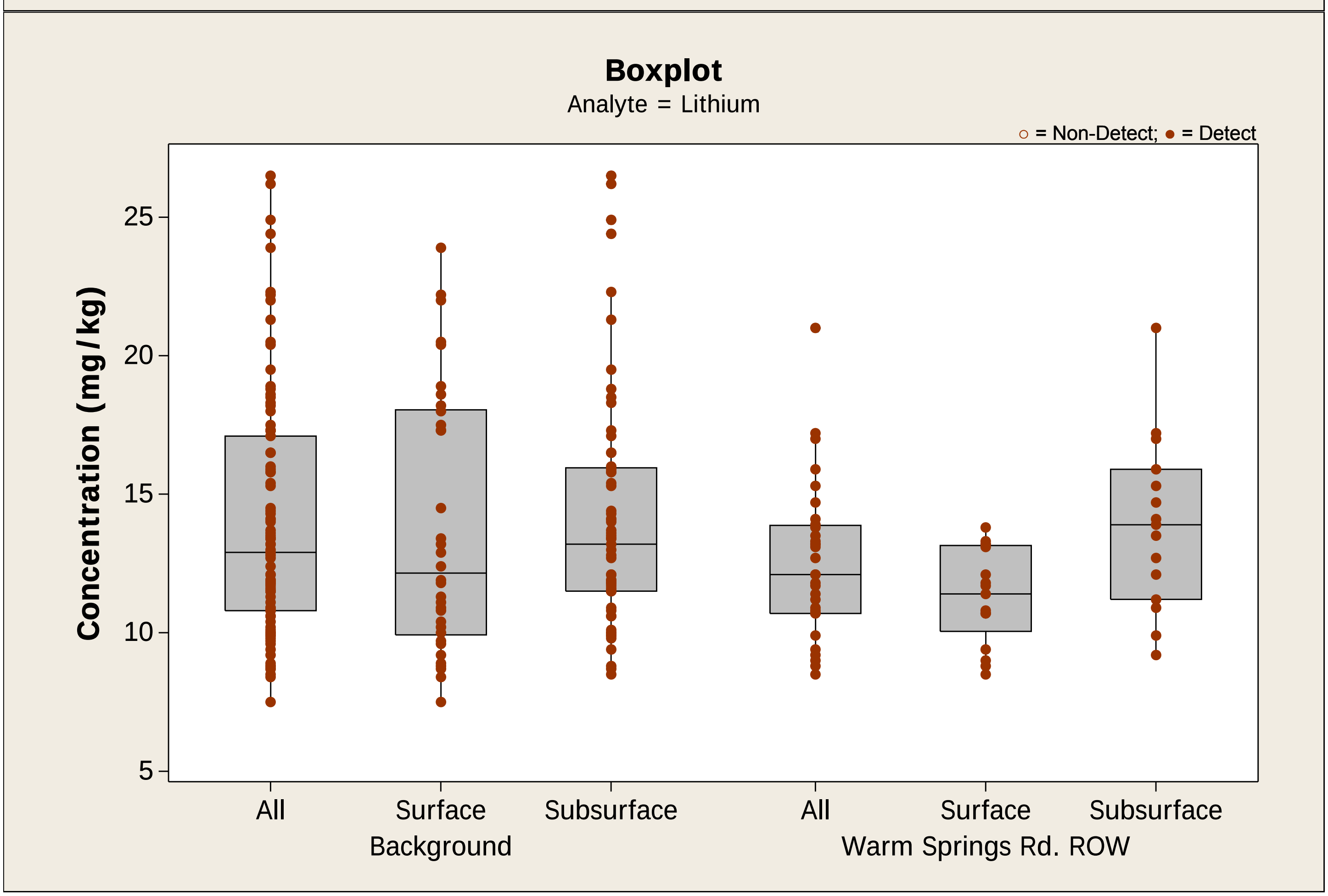

Probability Plot
Normal - 95% CI
Analyte = Iron
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
5000
10000
15000
20000
25000
30000
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

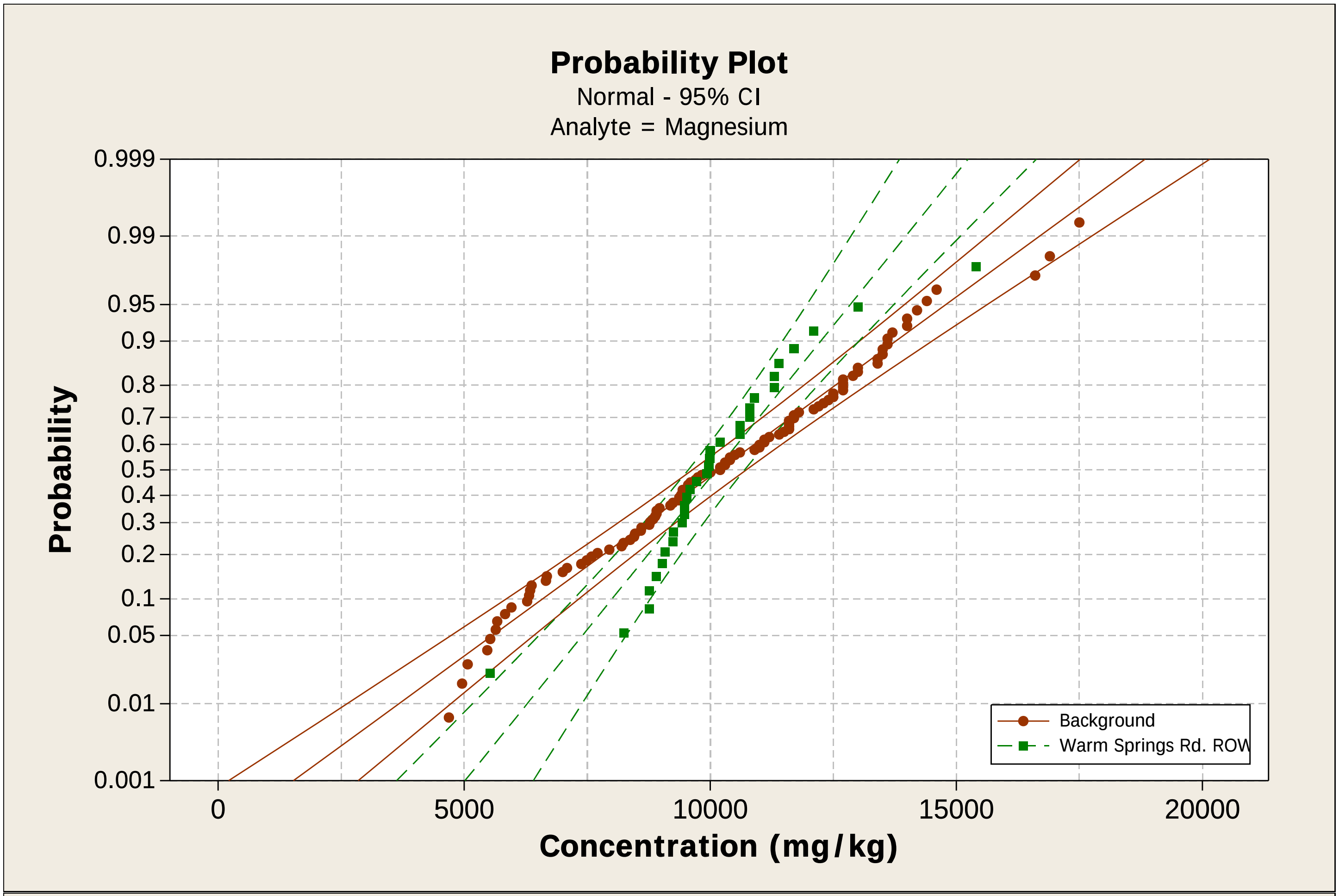

Boxplot
Analyte = Iron
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
25000
20000
15000
10000
5000
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

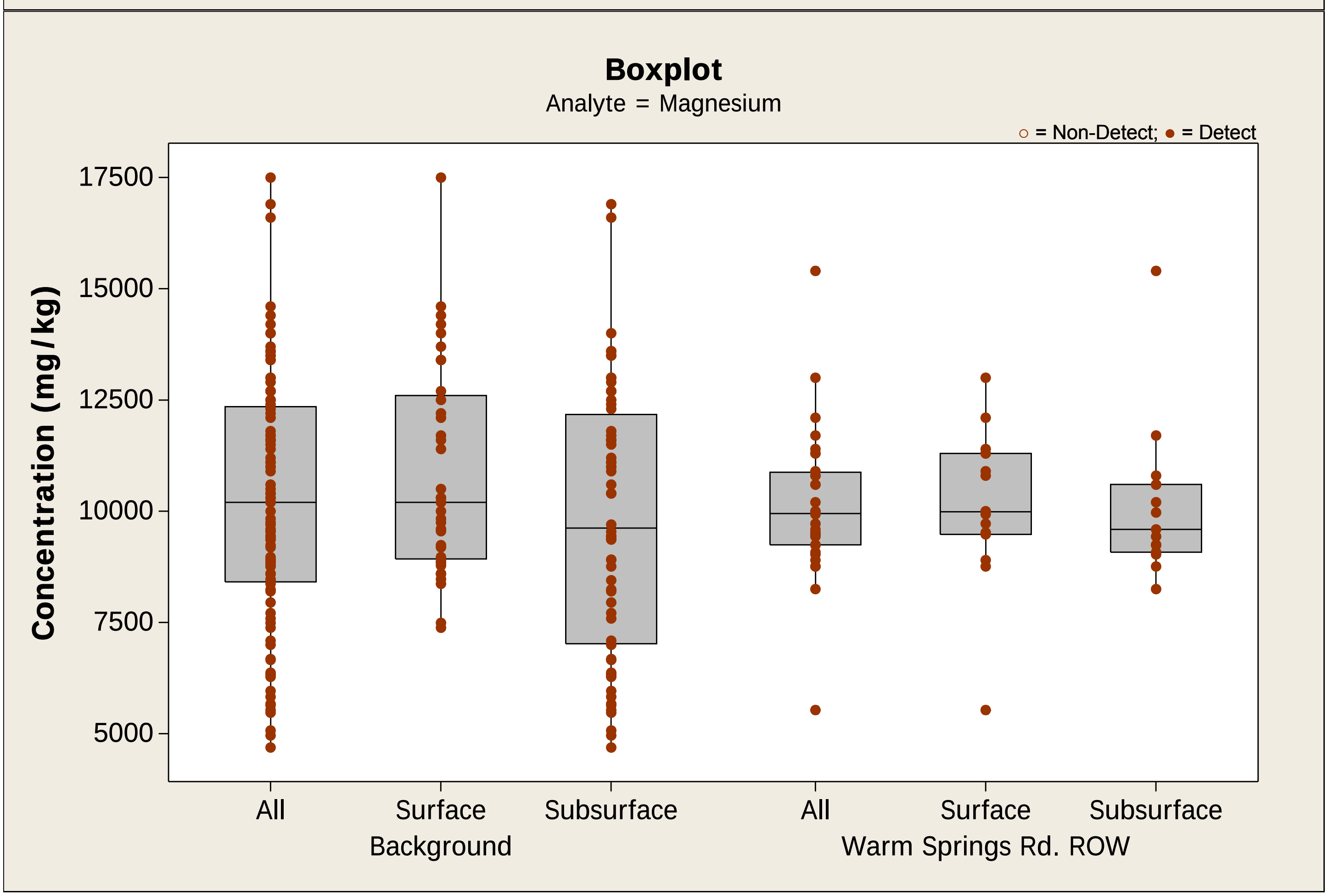

Probability Plot
Normal - 95% CI
Analyte = Lead
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-50
-25
0
25
50
75
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

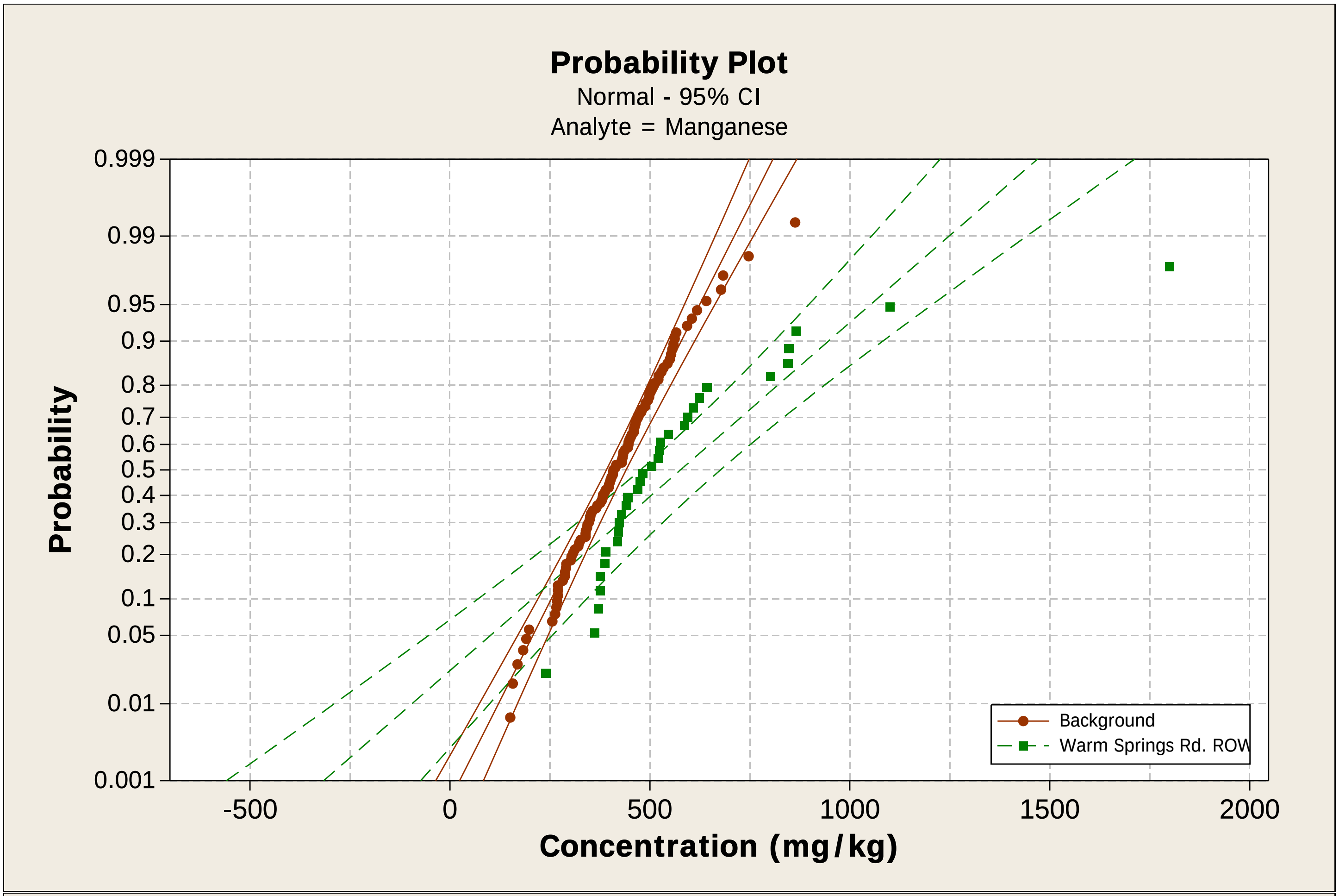

Boxplot
Analyte = Lead
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
80
70
60
50
40
30
20
10
0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Lithium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
5
10
15
20
25
30
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

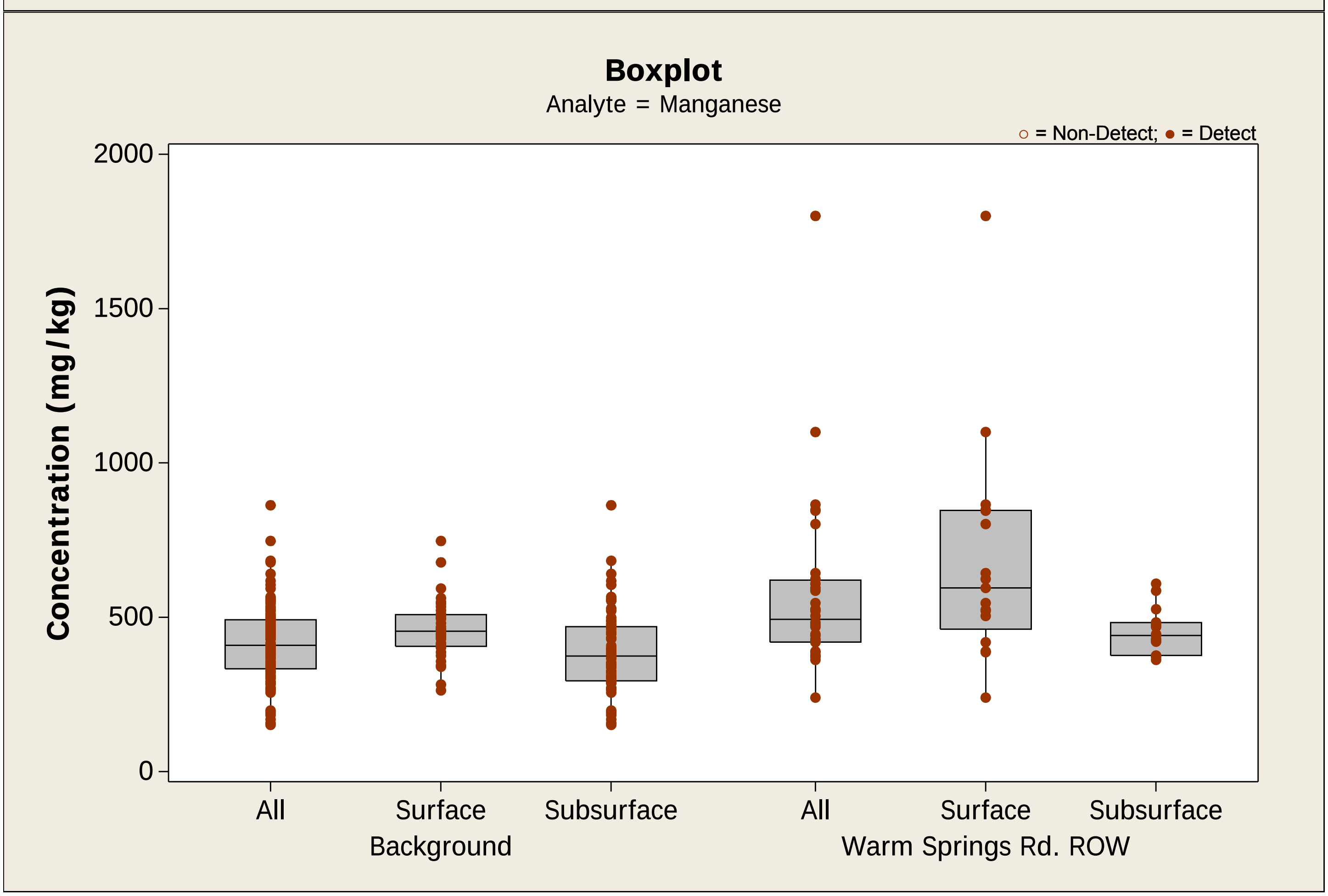

Boxplot
Analyte = Lithium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
25
20
15
10
5
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Magnesium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
5000
10000
15000
20000
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

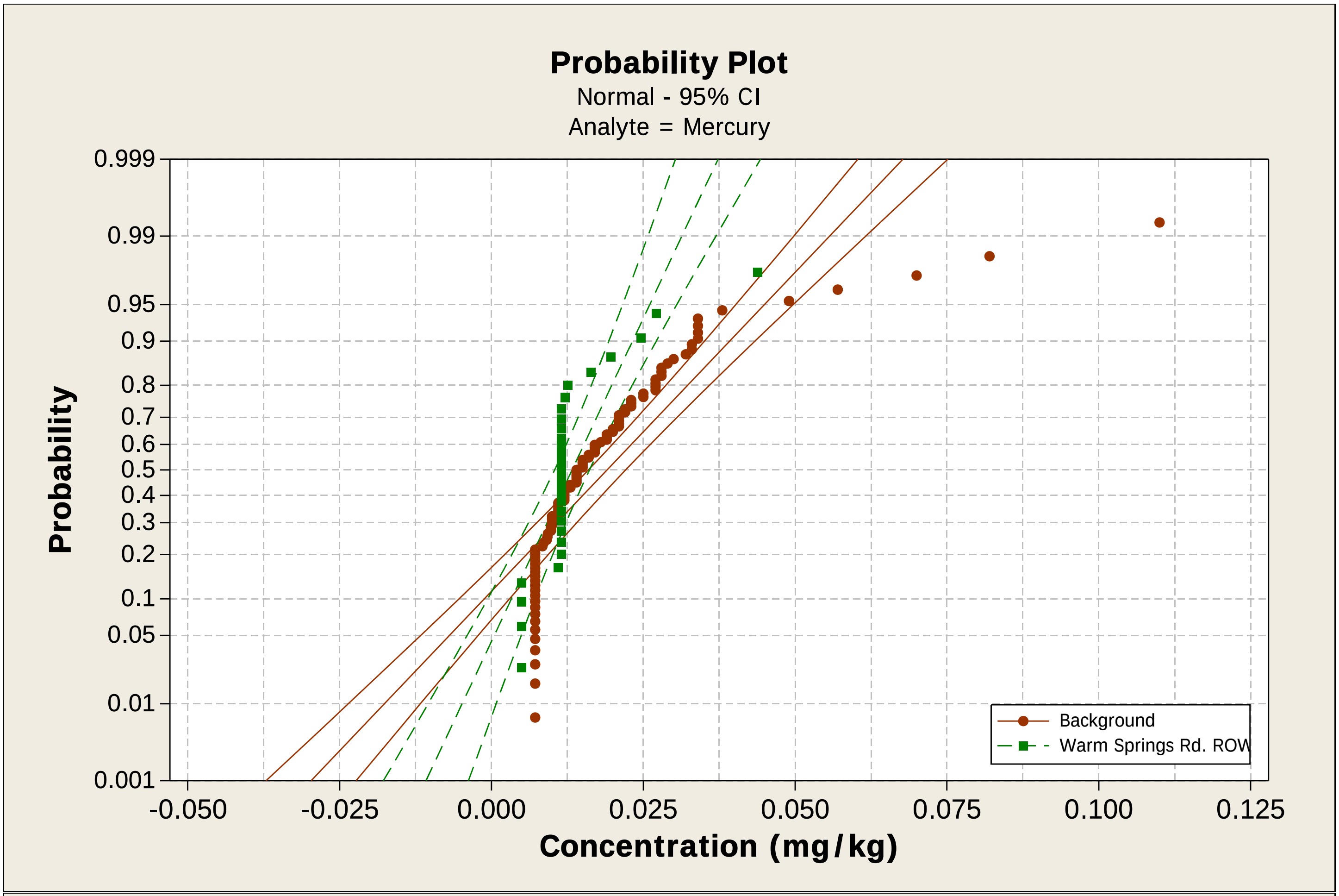

Boxplot
Analyte = Magnesium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
17500
15000
12500
10000
7500
5000
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

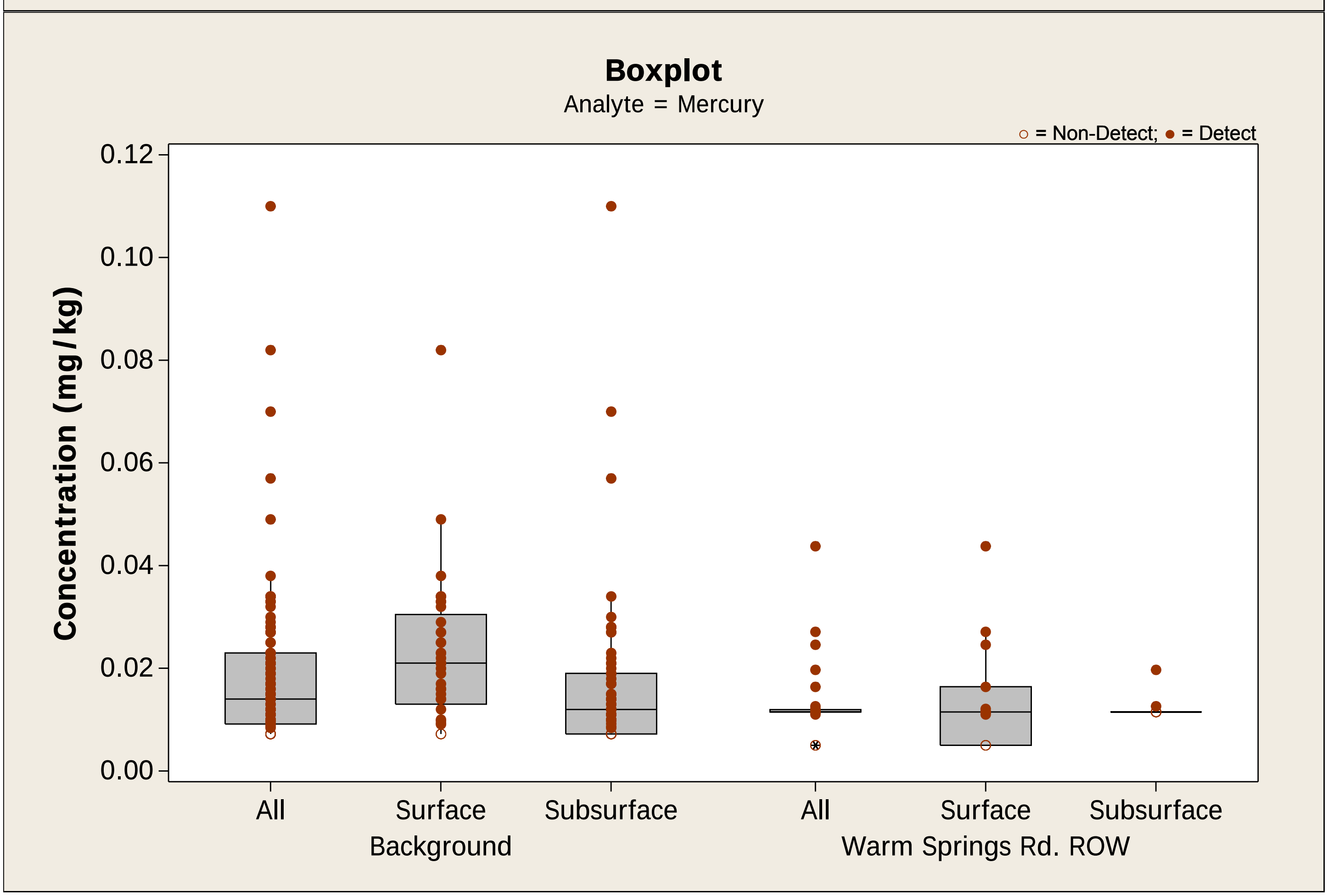


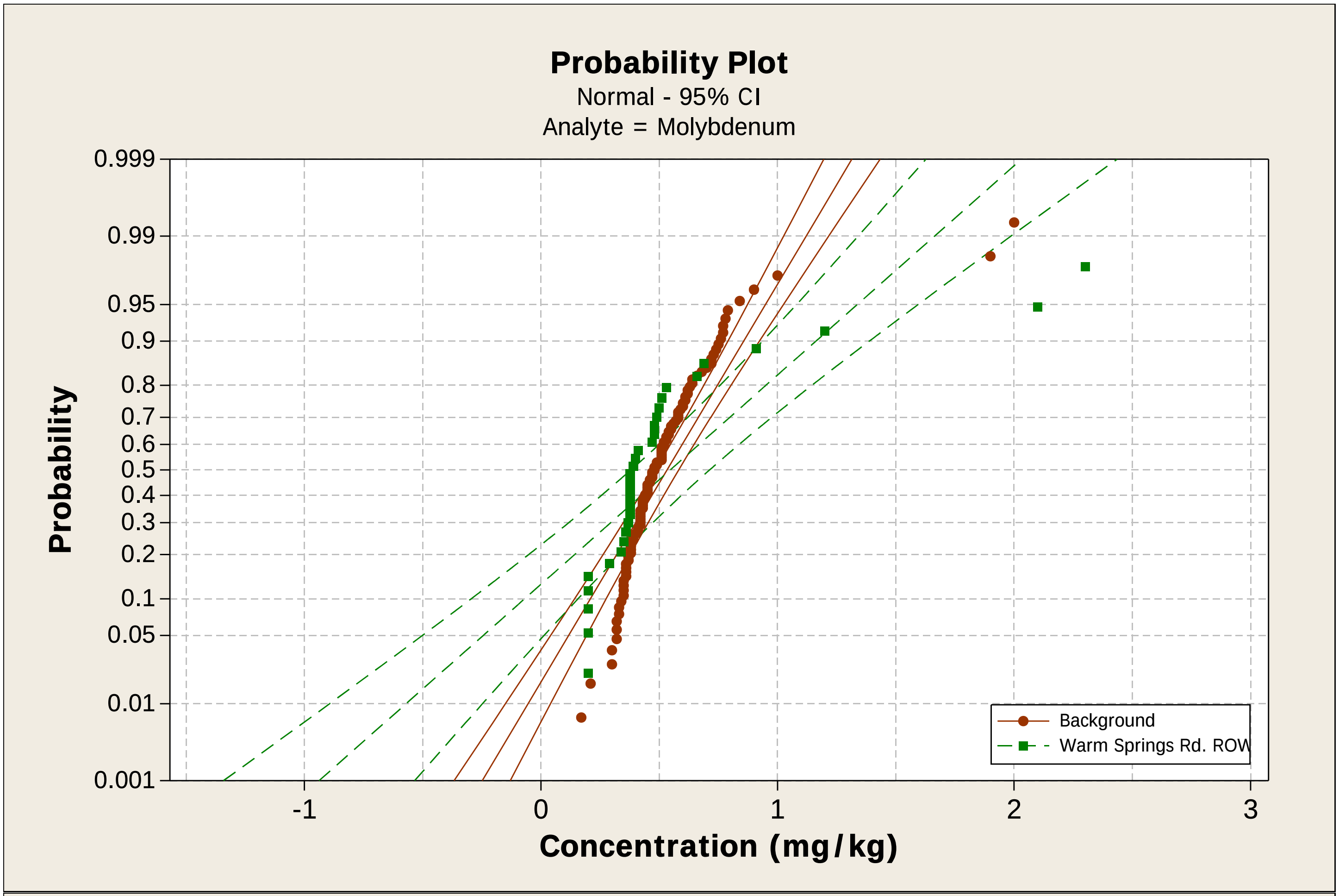
Probability Plot
Normal - 95% CI
Analyte = Manganese
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-500
0
500
1000
1500
2000
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

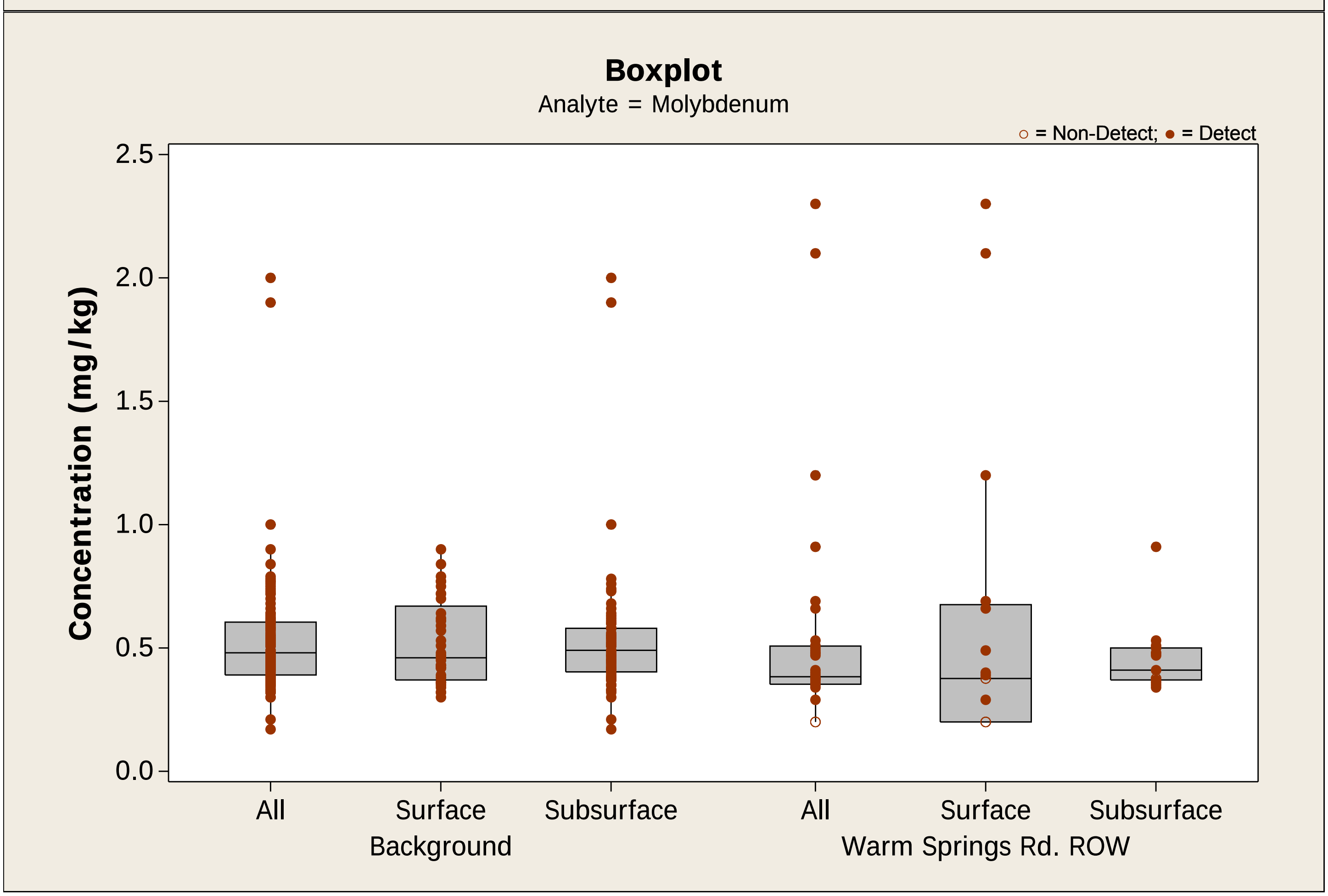


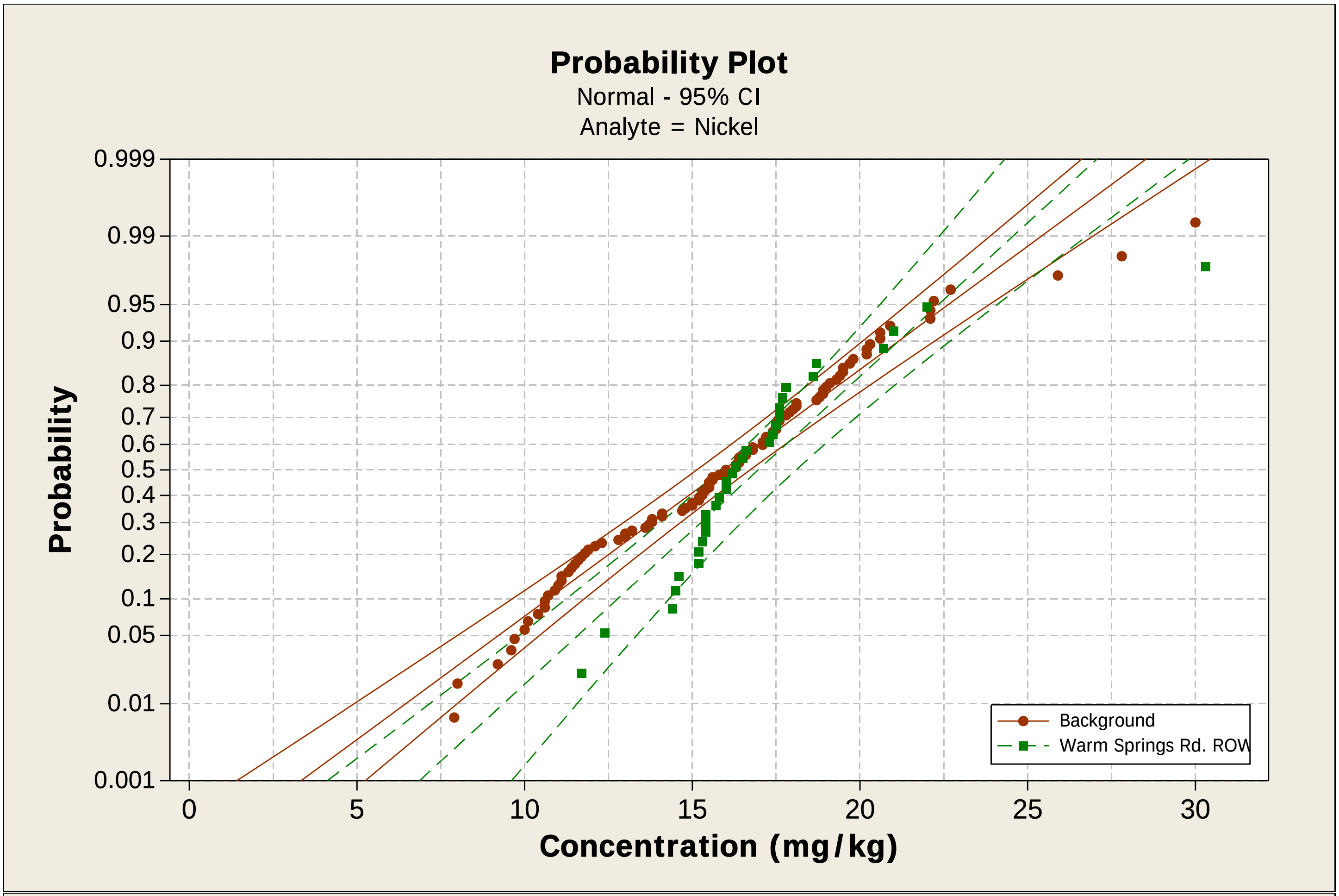
Boxplot
Analyte = Manganese
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
2000
1500
1000
500
0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Mercury
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.050
-0.025
0.000
0.025
0.050
0.075
0.100
0.125
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

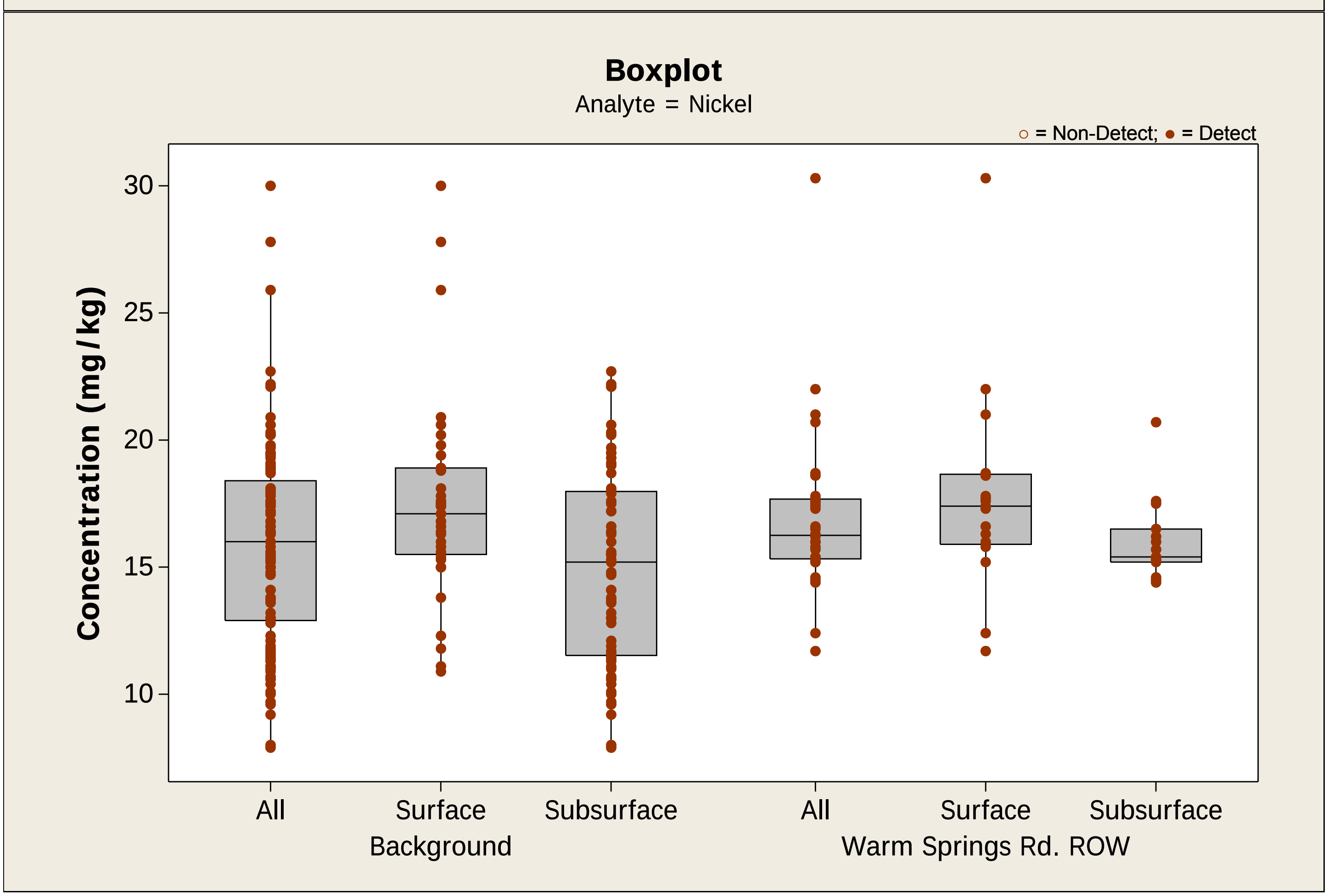

Boxplot
Analyte = Mercury
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
0.12
0.10
0.08
0.06
0.04
0.02
0.00
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Molybdenum
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-1
0
1
2
3
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

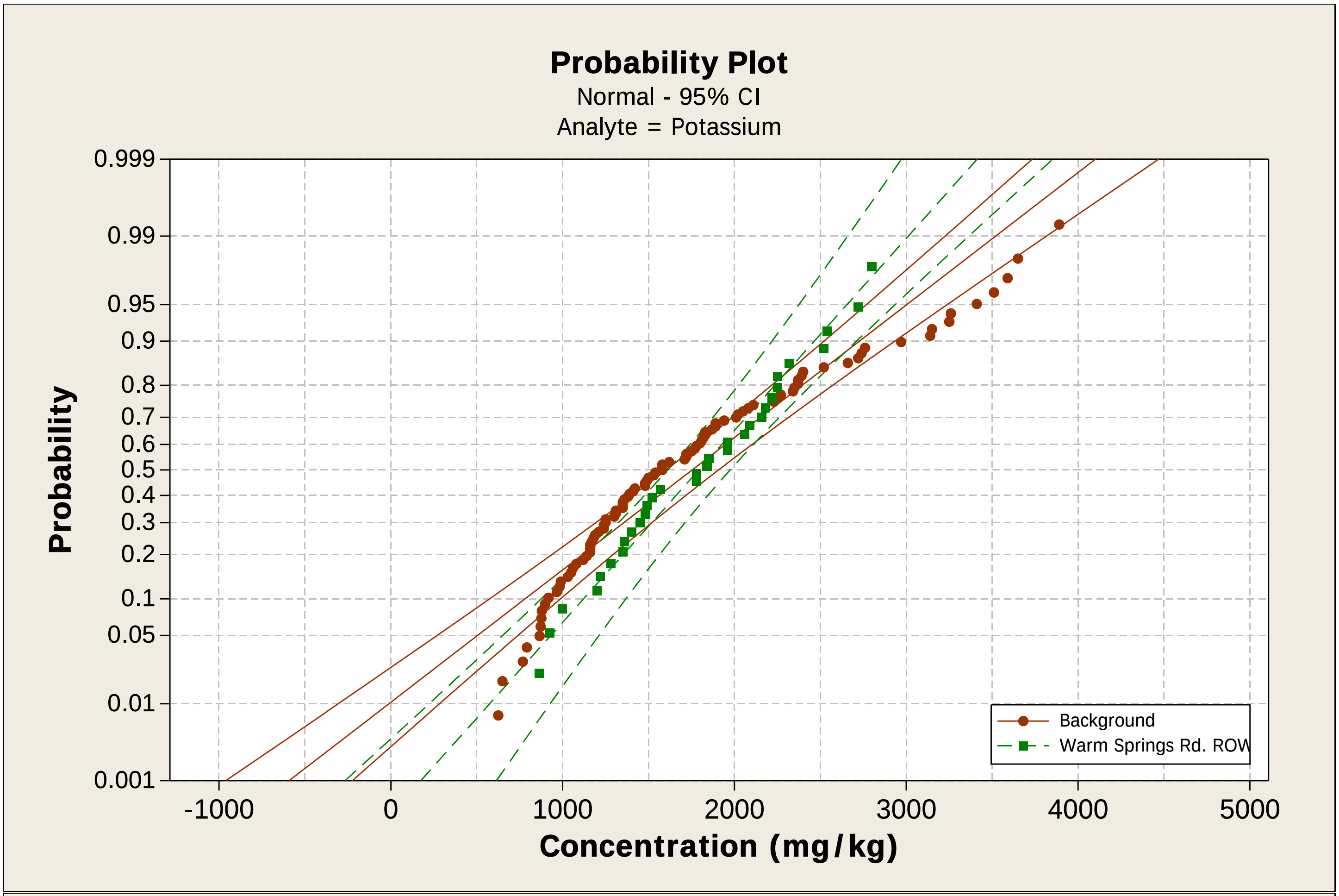

Boxplot
Analyte = Molybdenum
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
2.5
2.0
1.5
1.0
0.5
0.0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW



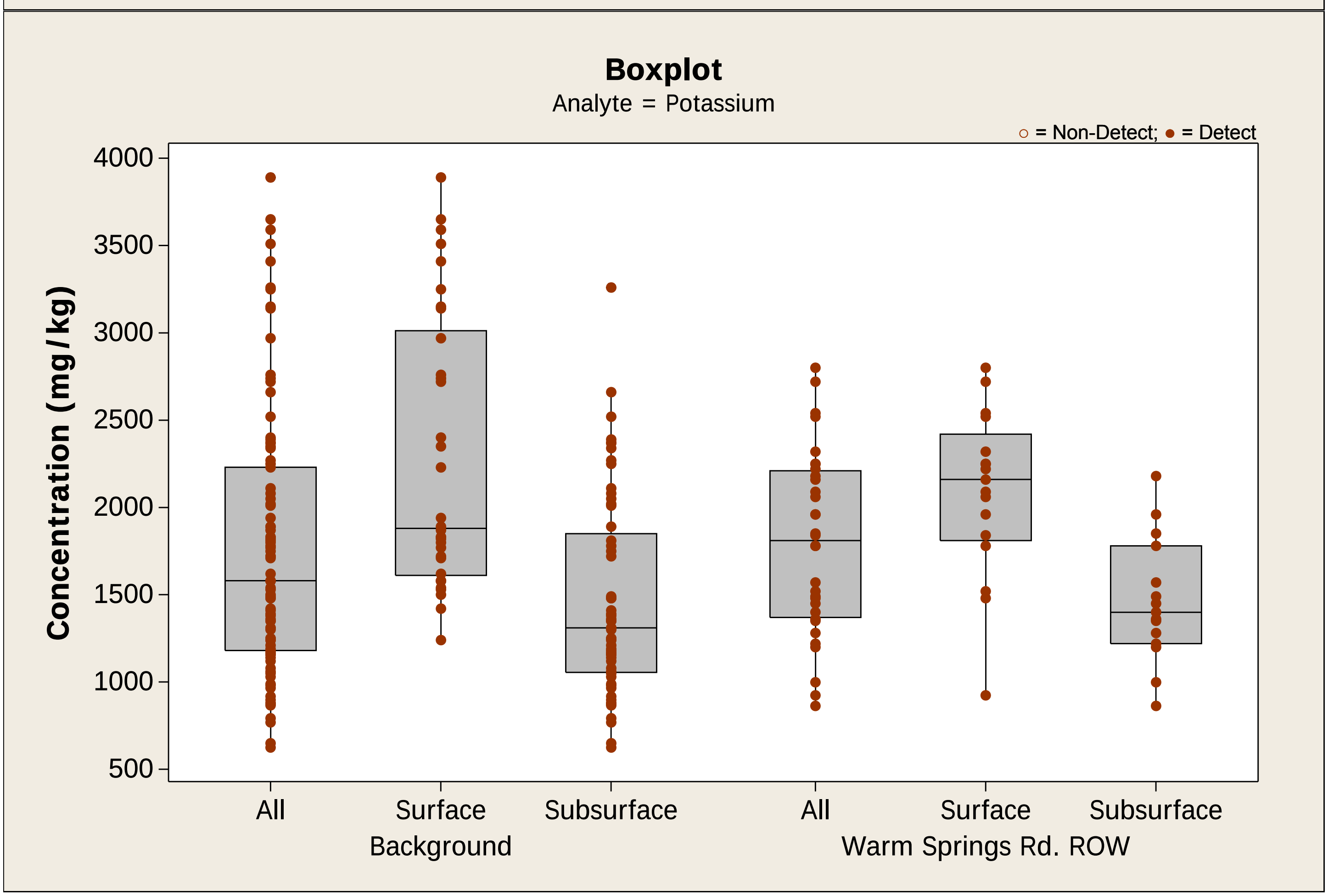
Probability Plot
Normal - 95% CI
Analyte = Nickel
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
5
10
15
20
25
30
Concentration (mg/kg)
Background
Warm Springs Rd. ROW



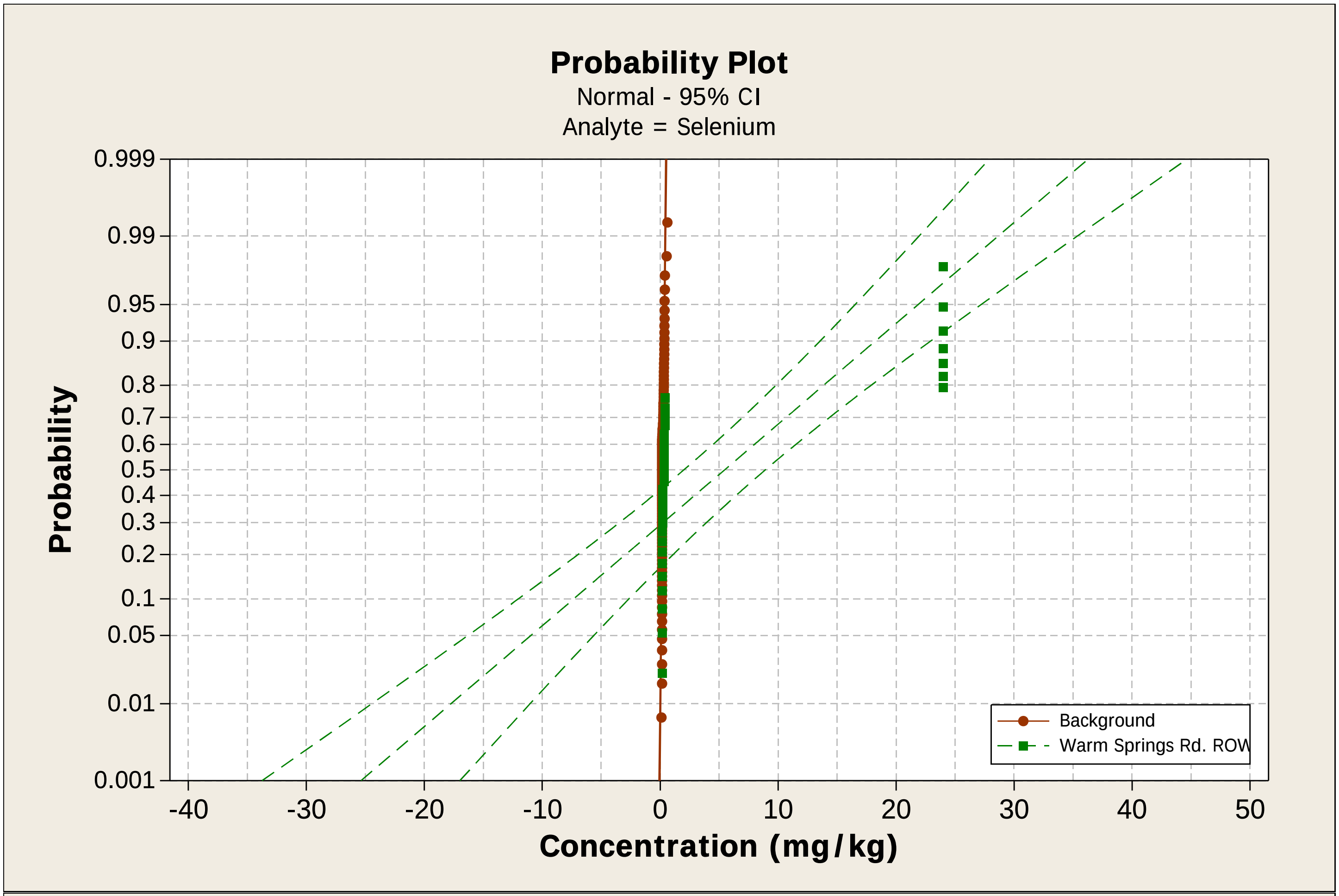
Boxplot
Analyte = Nickel
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
30
25
20
15
10
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

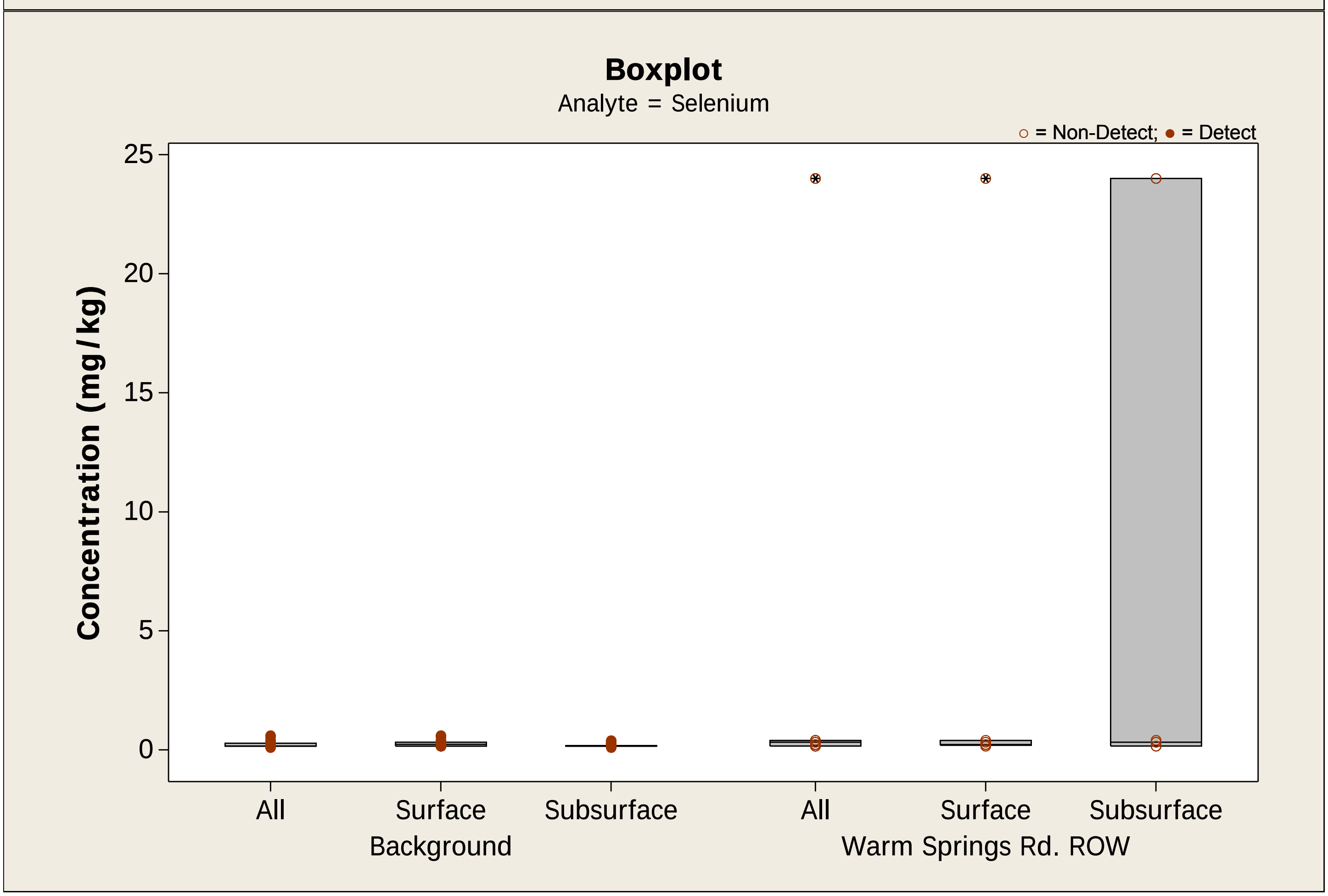


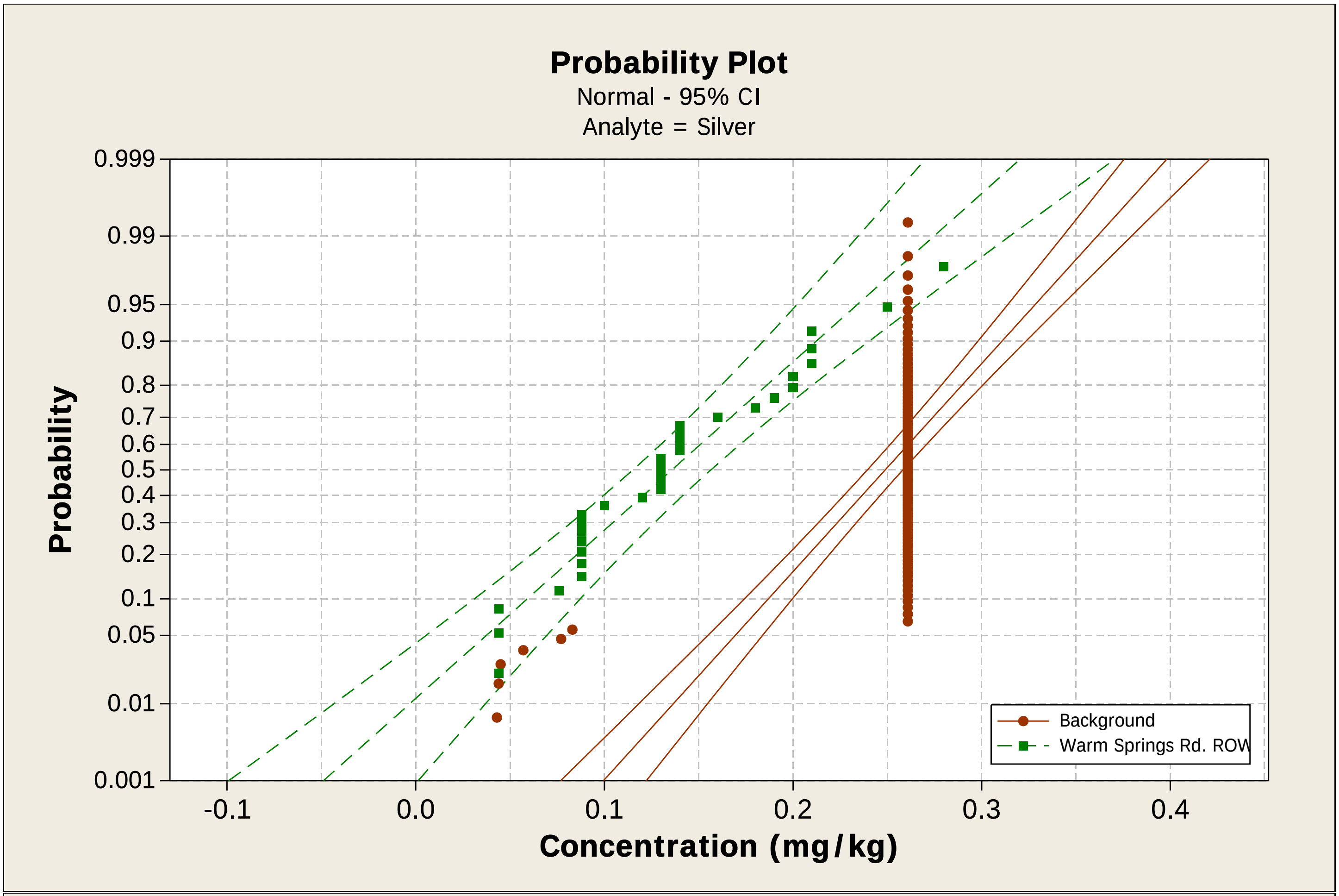
Probability Plot
Normal - 95% CI
Analyte = Potassium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-1000
0
1000
2000
3000
4000
5000
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

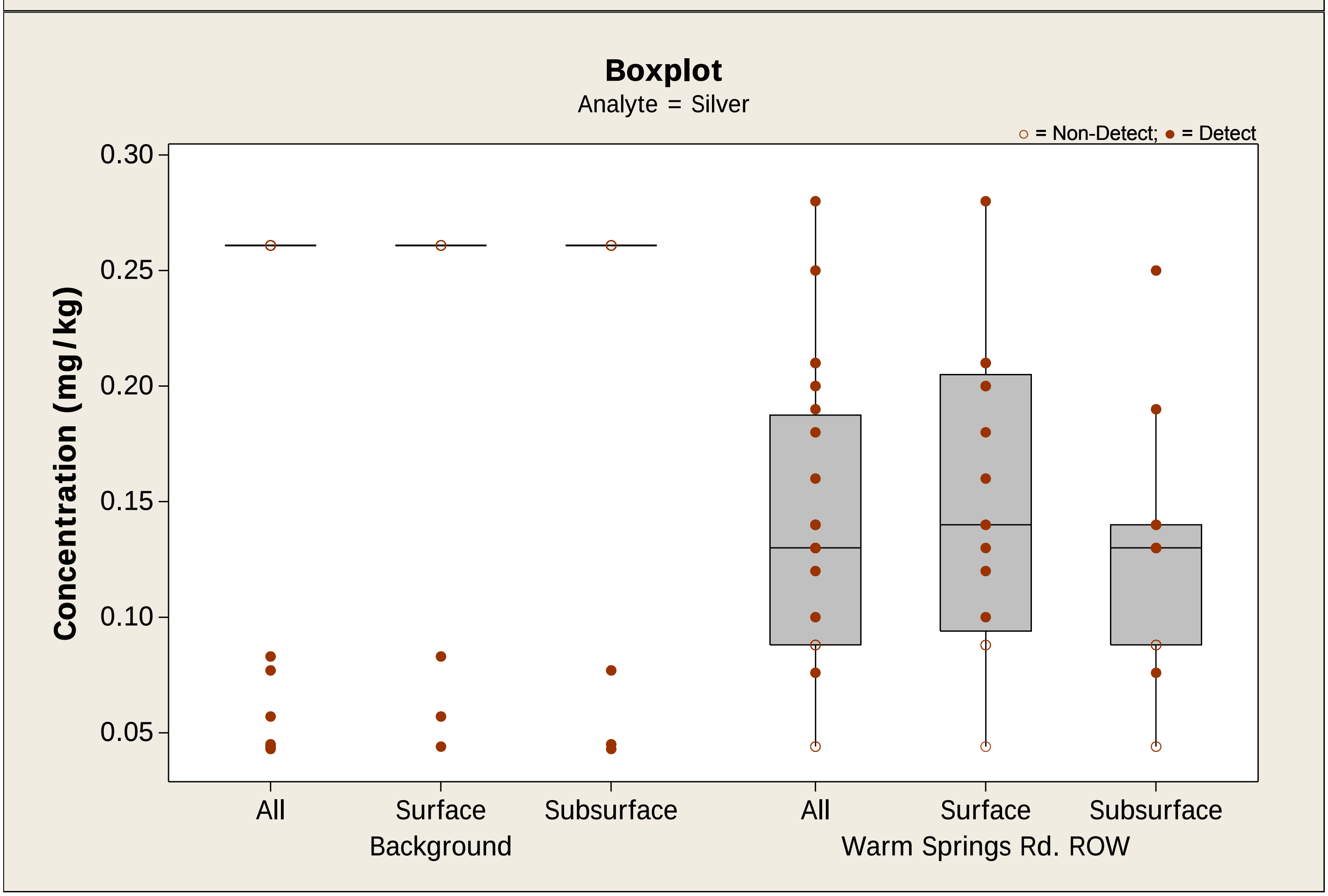


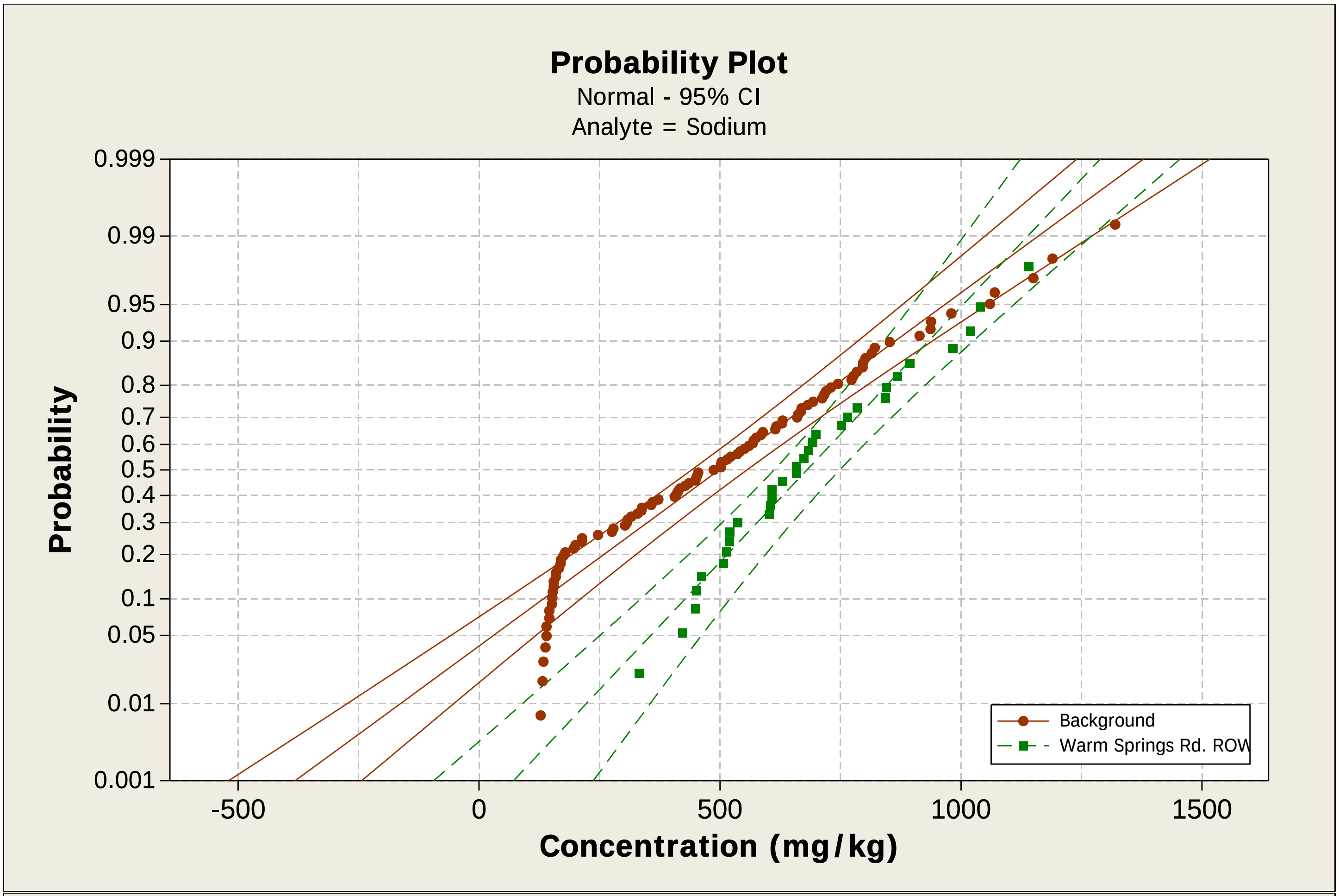
Boxplot
Analyte = Potassium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
4000
3500
3000
2500
2000
1500
1000
500
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW

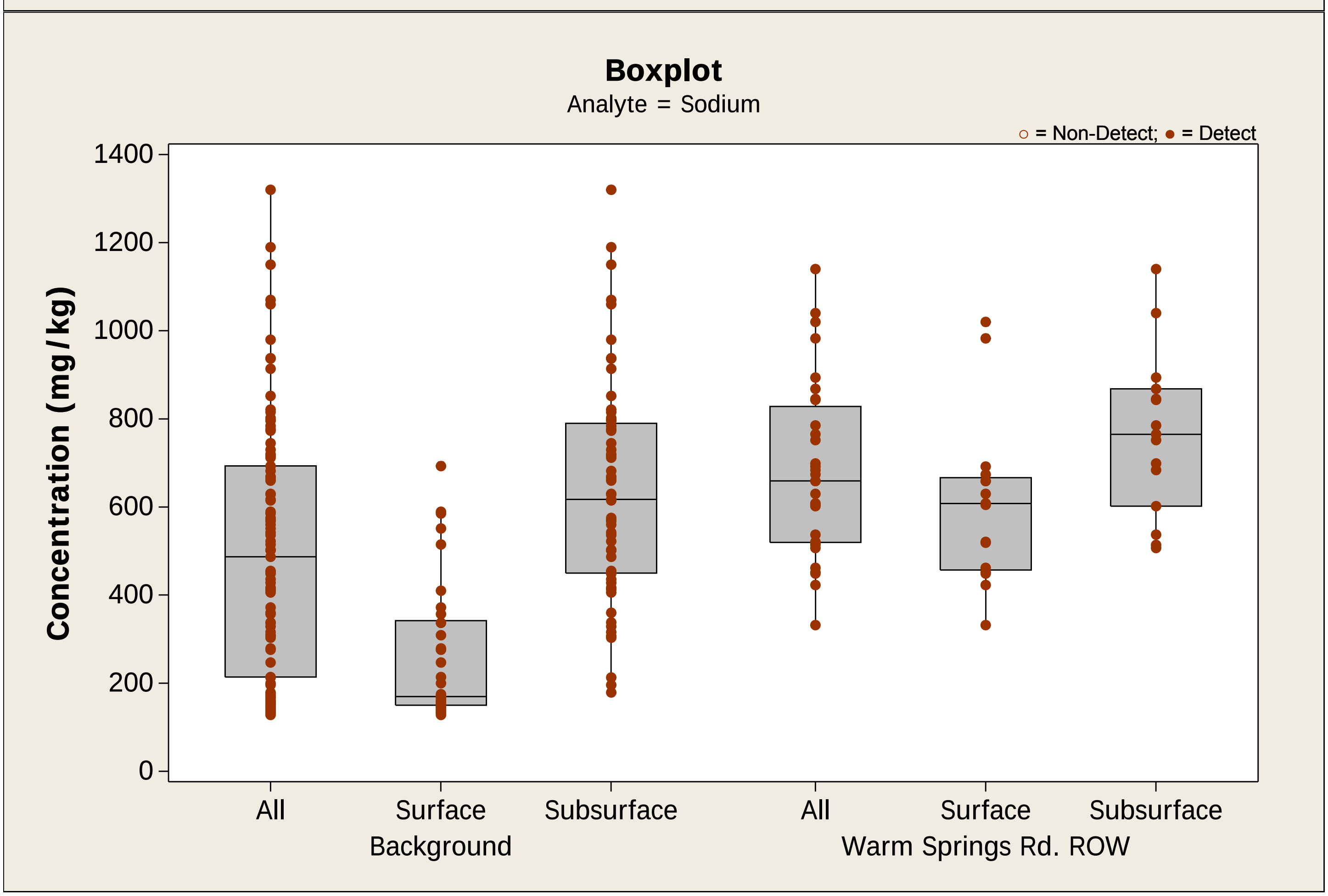

Probability Plot
Normal - 95% CI
Analyte = Selenium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-40
-30
-20
-10
0
10
20
30
40
50
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

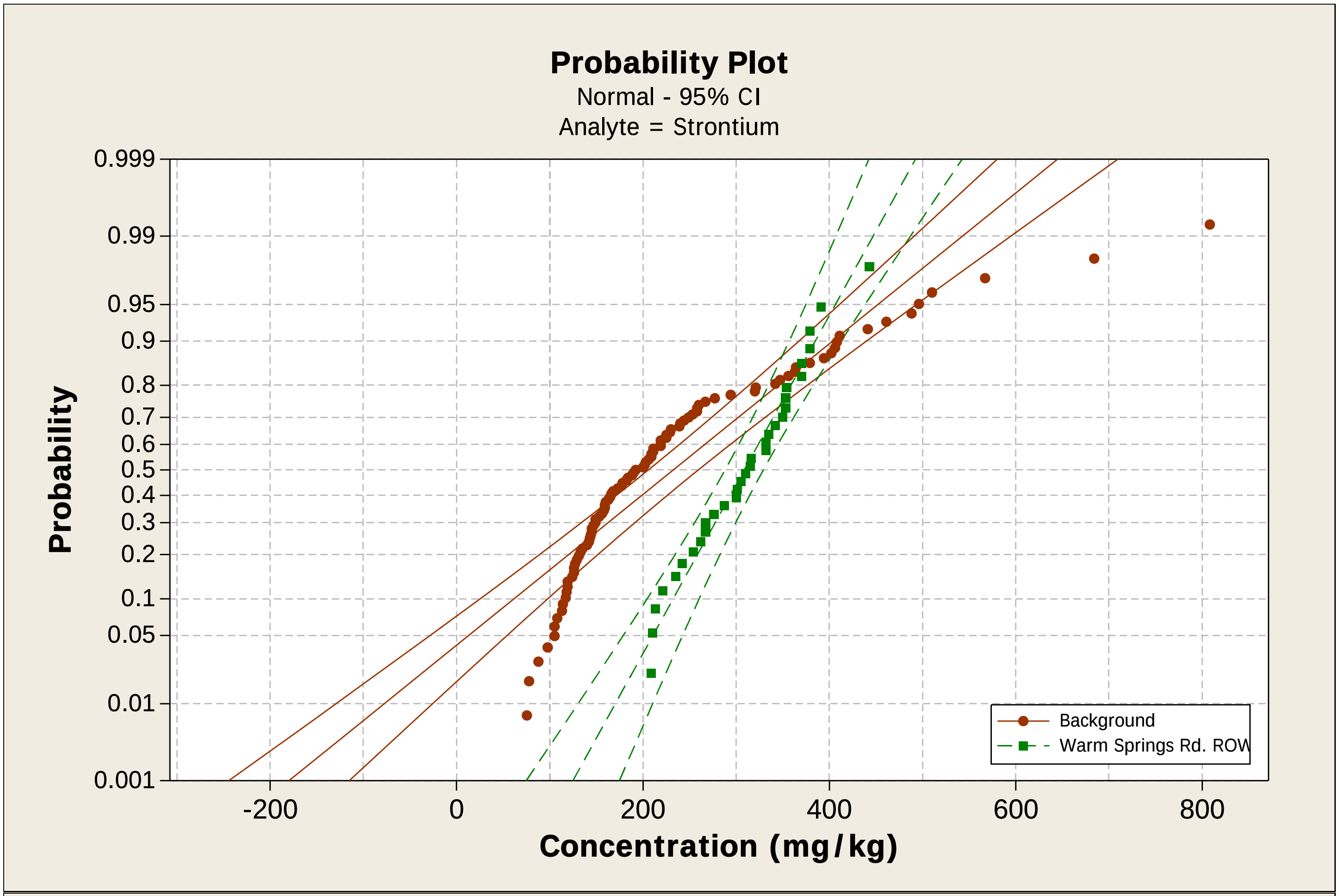

Boxplot
Analyte = Selenium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
25
20
15
10
5
0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

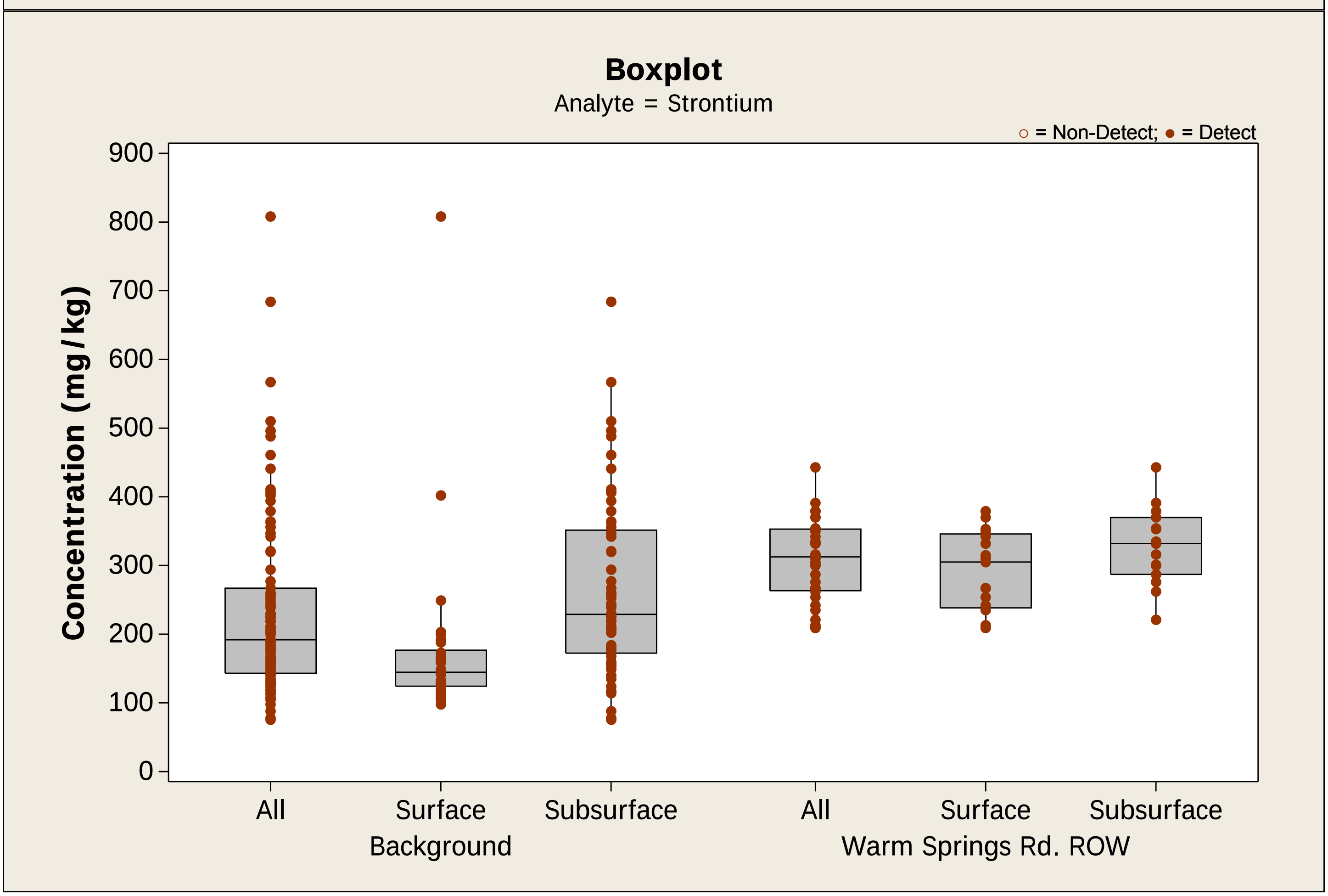

Probability Plot
Normal - 95% CI
Analyte = Silver
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.1
0.0
0.1
0.2
0.3
0.4
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

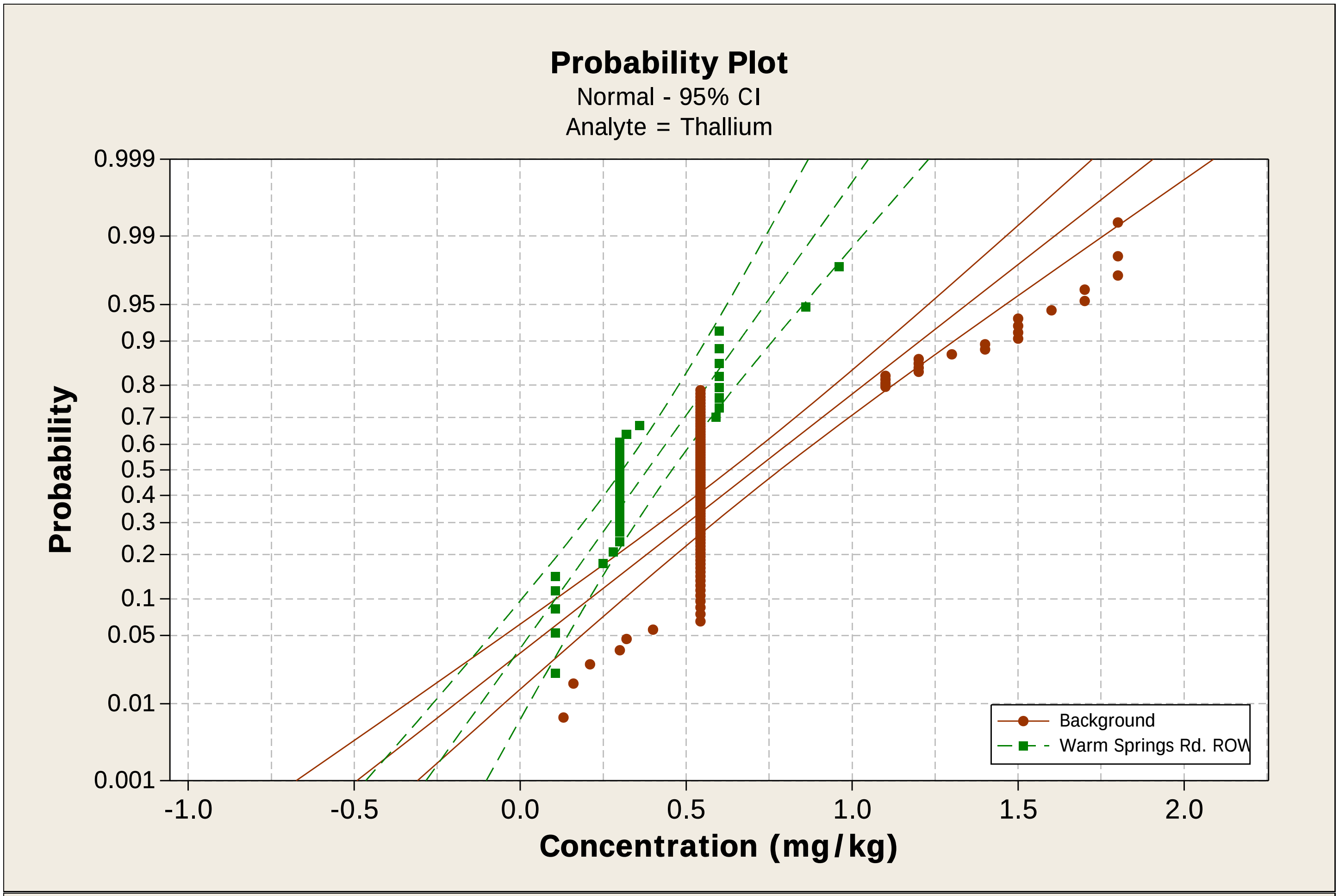

Boxplot
Analyte = Silver
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
0.30
0.25
0.20
0.15
0.10
0.05
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

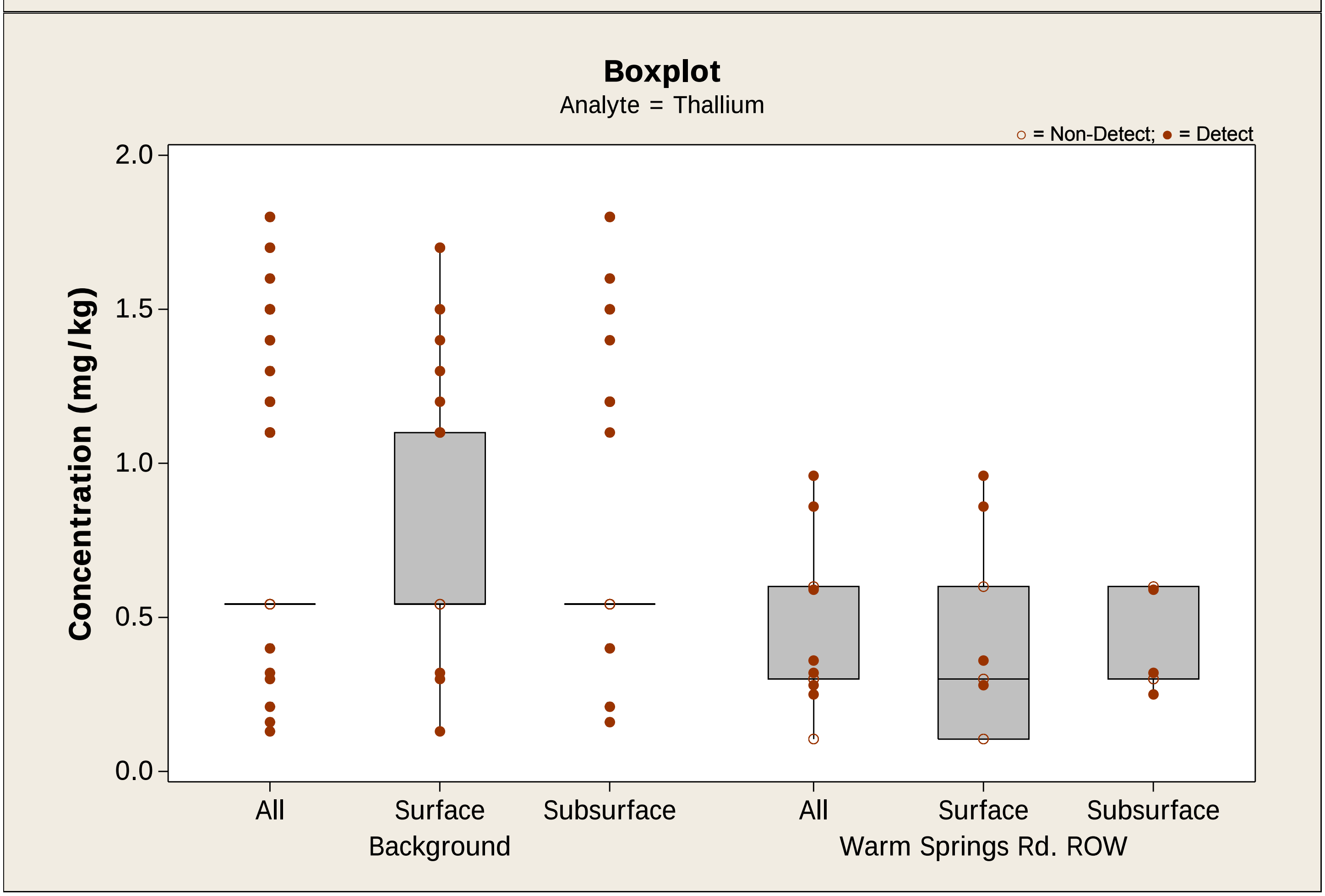

Probability Plot
Normal - 95% CI
Analyte = Sodium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-500
0
500
1000
1500
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

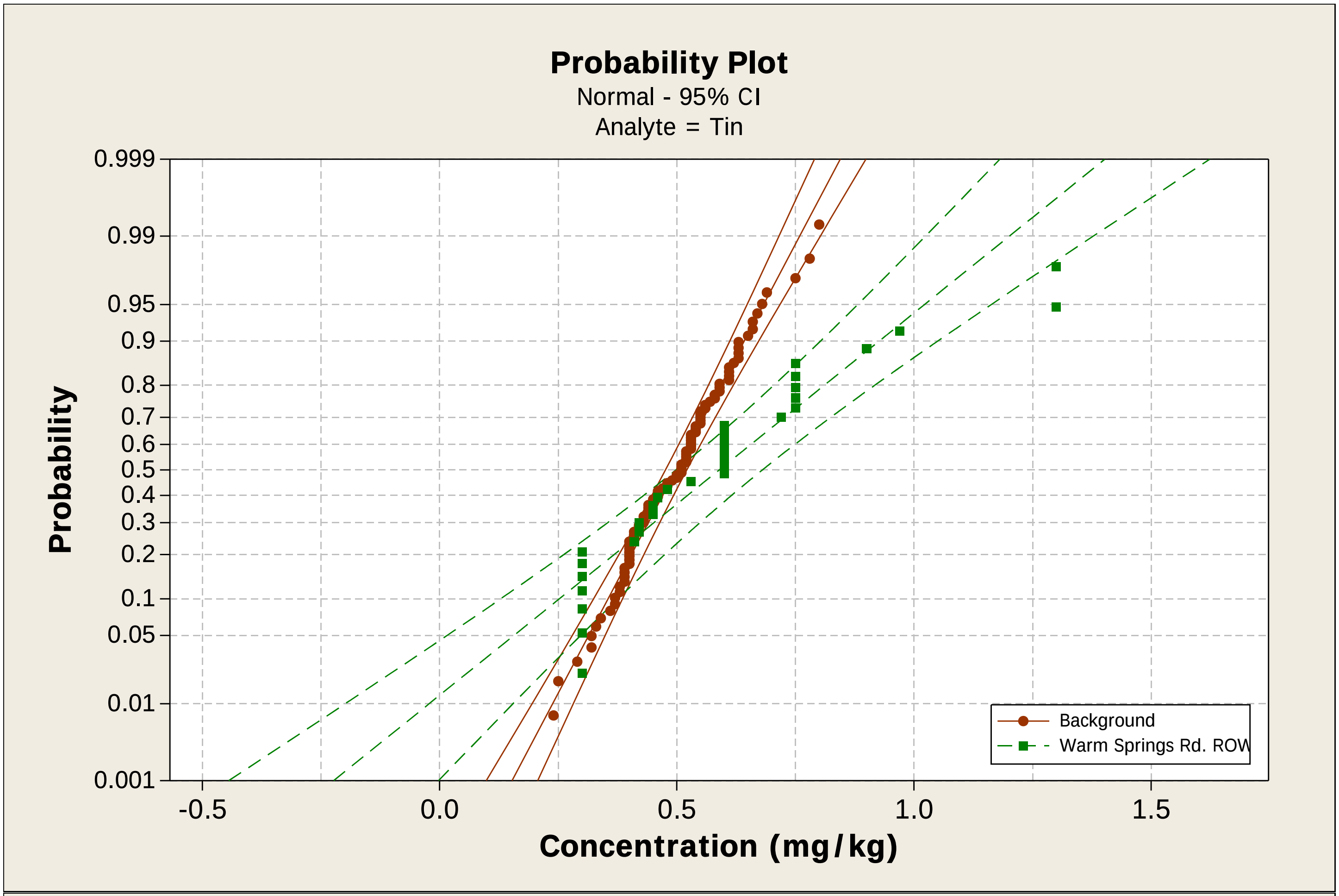

Boxplot
Analyte = Sodium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
1400
1200
1000
800
600
400
200
0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

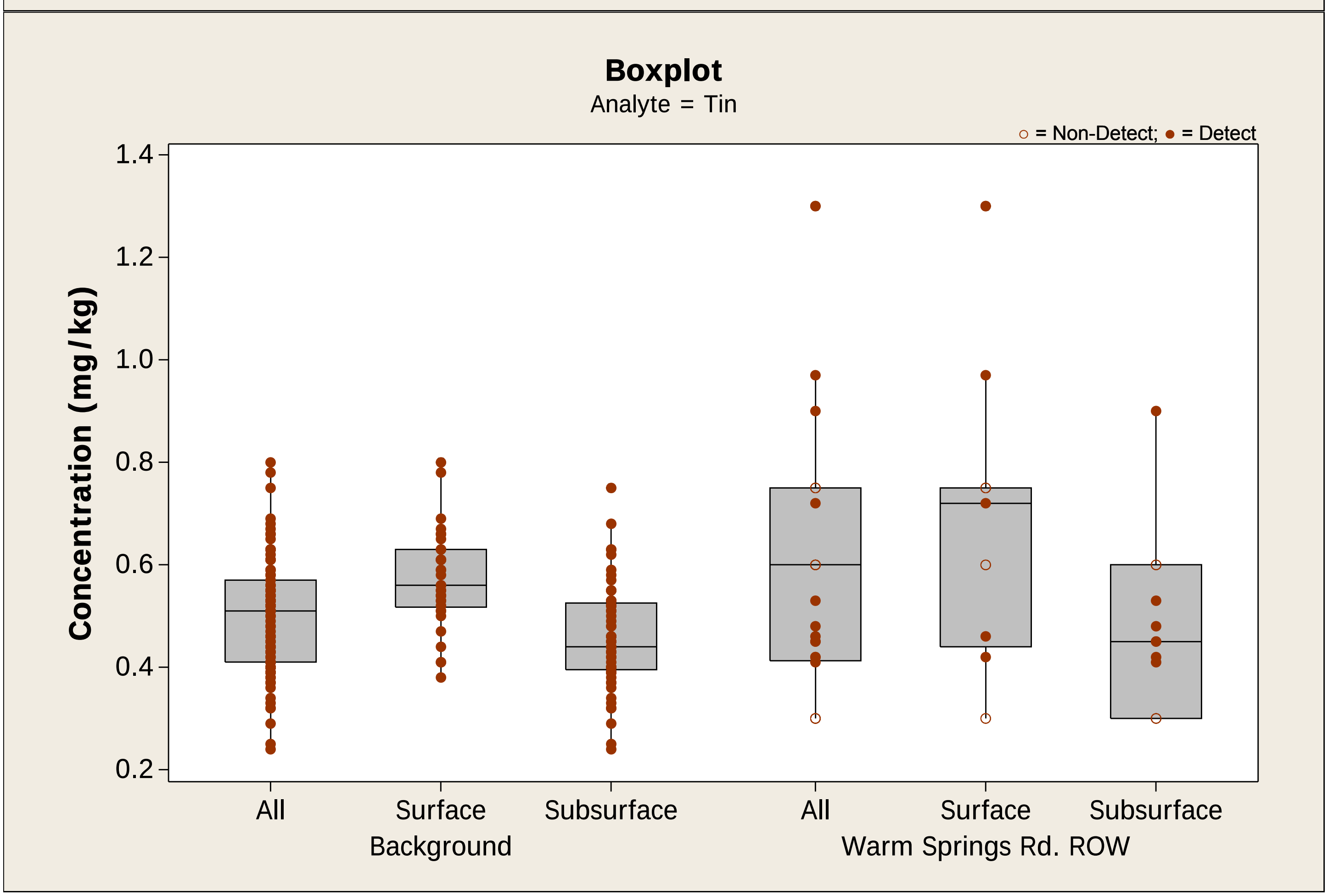

Probability Plot
Normal - 95% CI
Analyte = Strontium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-200
0
200
400
600
800
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

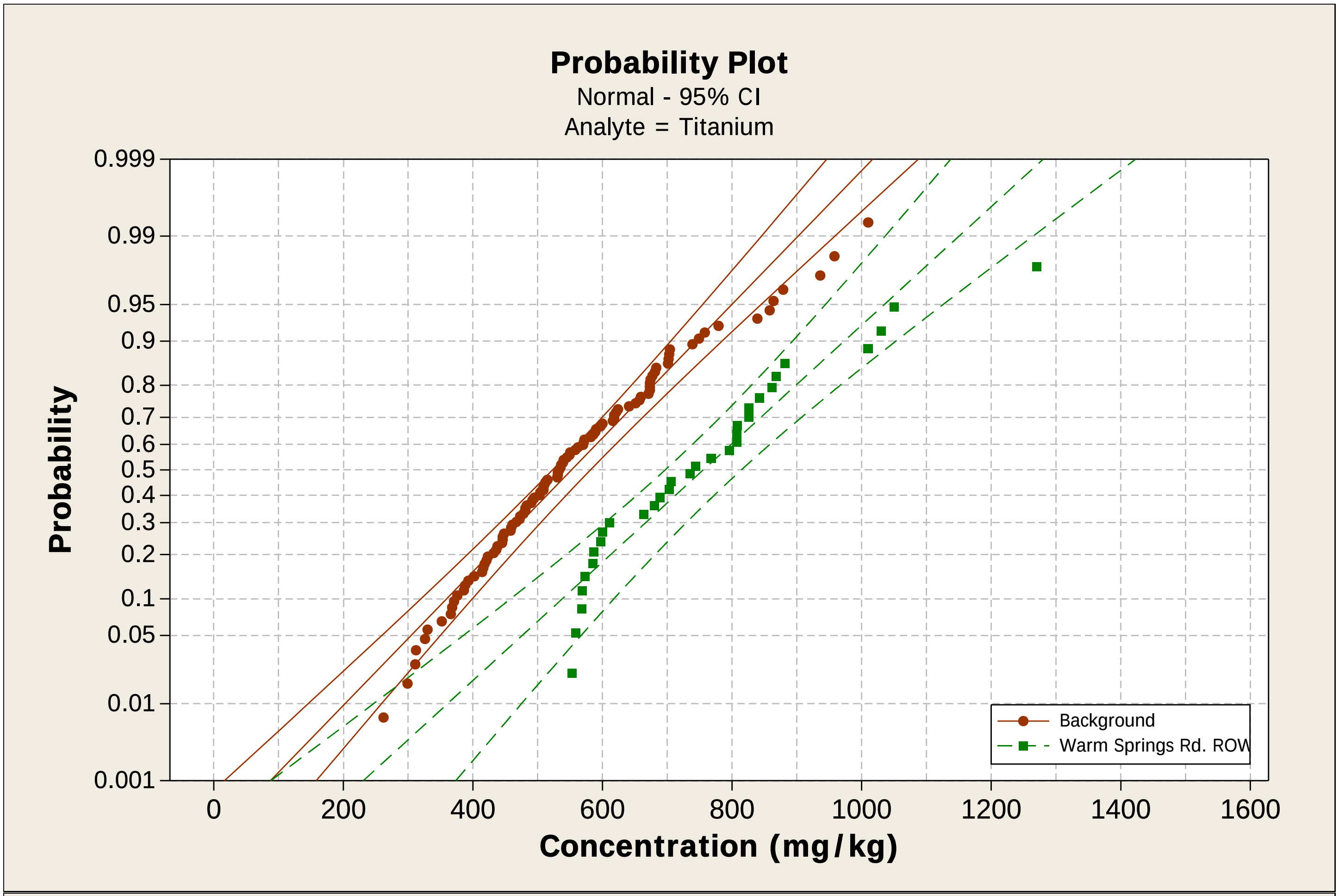

Boxplot
Analyte = Strontium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
900
800
700
600
500
400
300
200
100
0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW

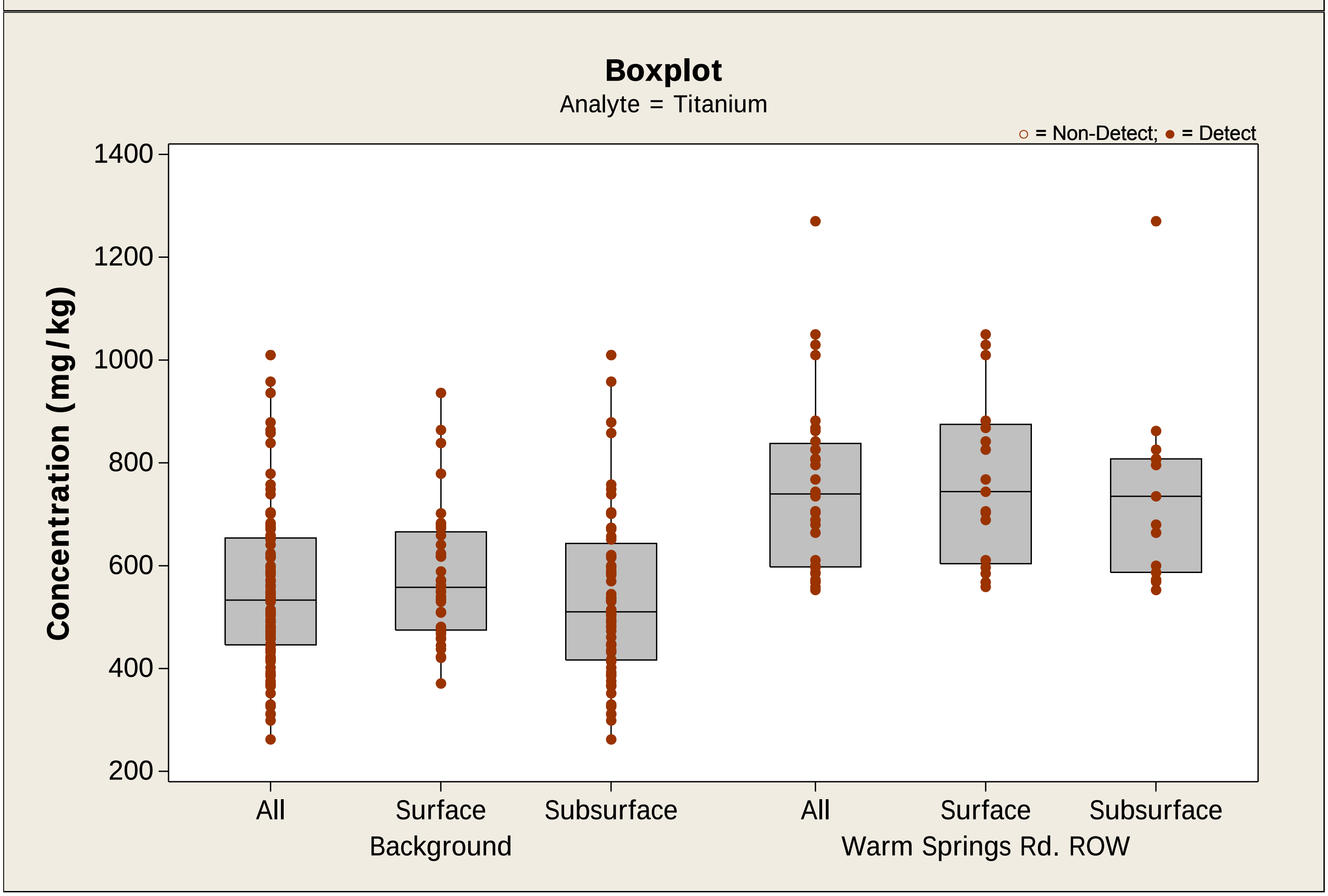

Probability Plot
Normal - 95% CI
Analyte = Thallium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

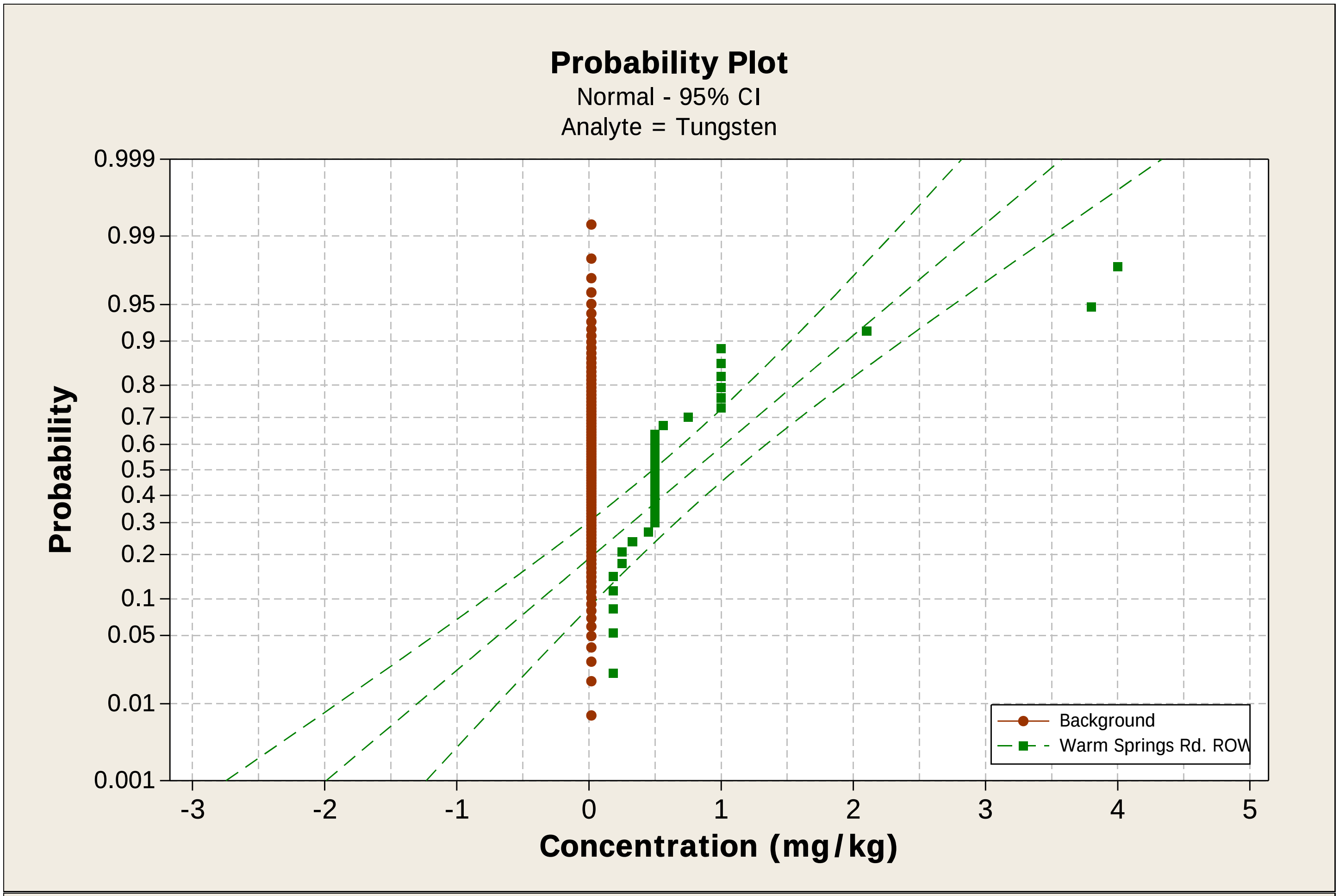

Boxplot
Analyte = Thallium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
2.0
1.5
1.0
0.5
0.0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW

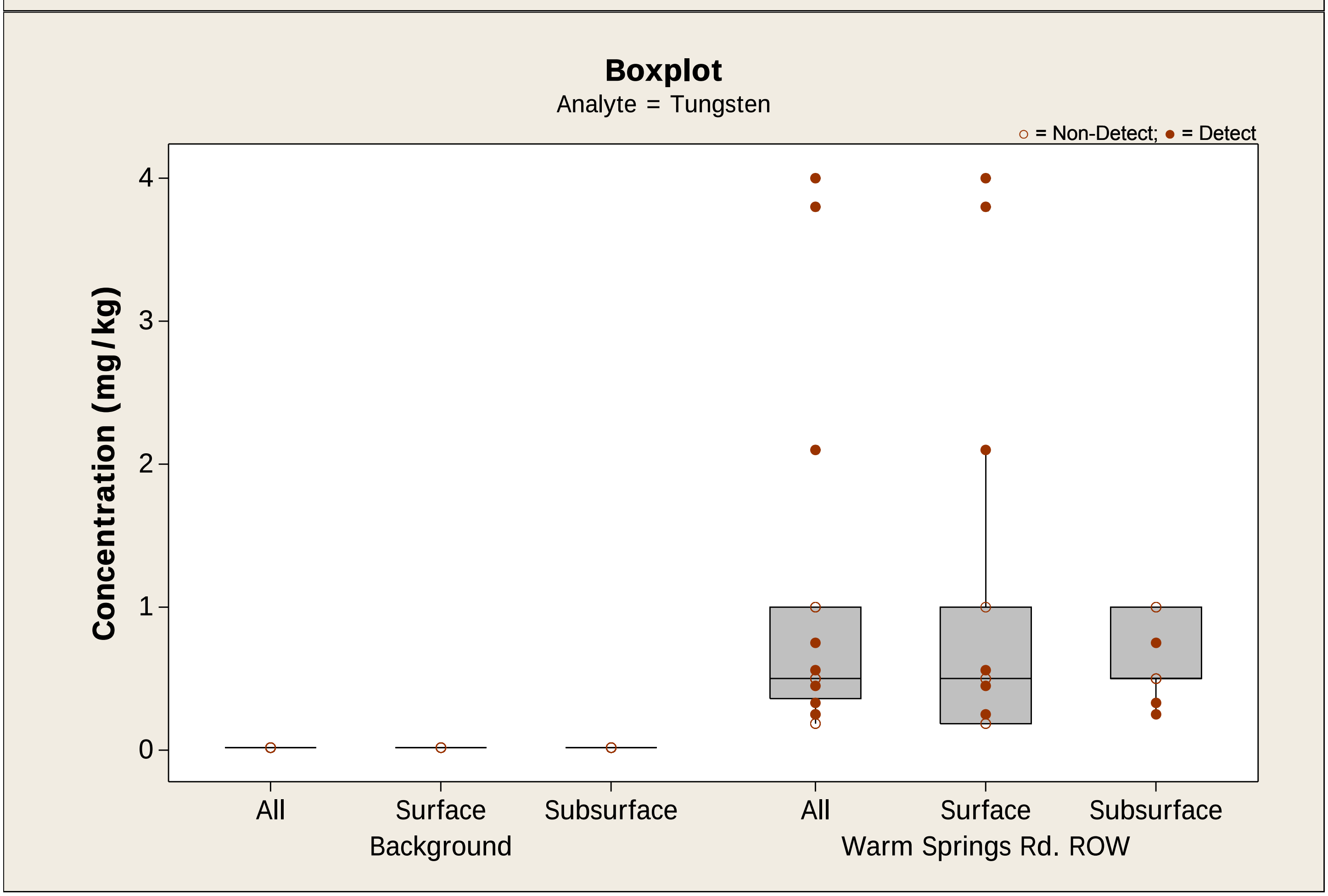

Probability Plot
Normal - 95% CI
Analyte = Tin
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.5
0.0
0.5
1.0
1.5
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

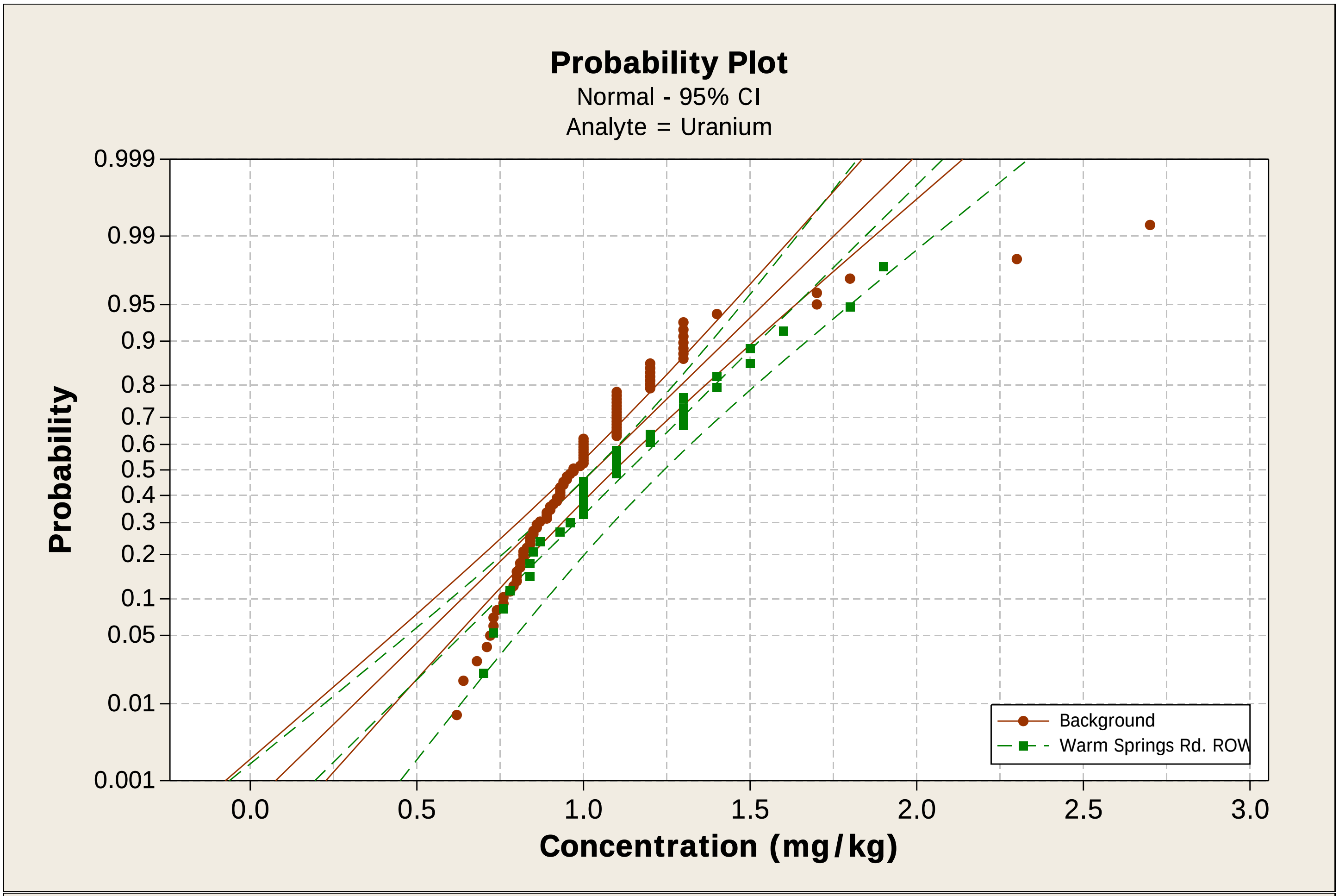

Boxplot
Analyte = Tin
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

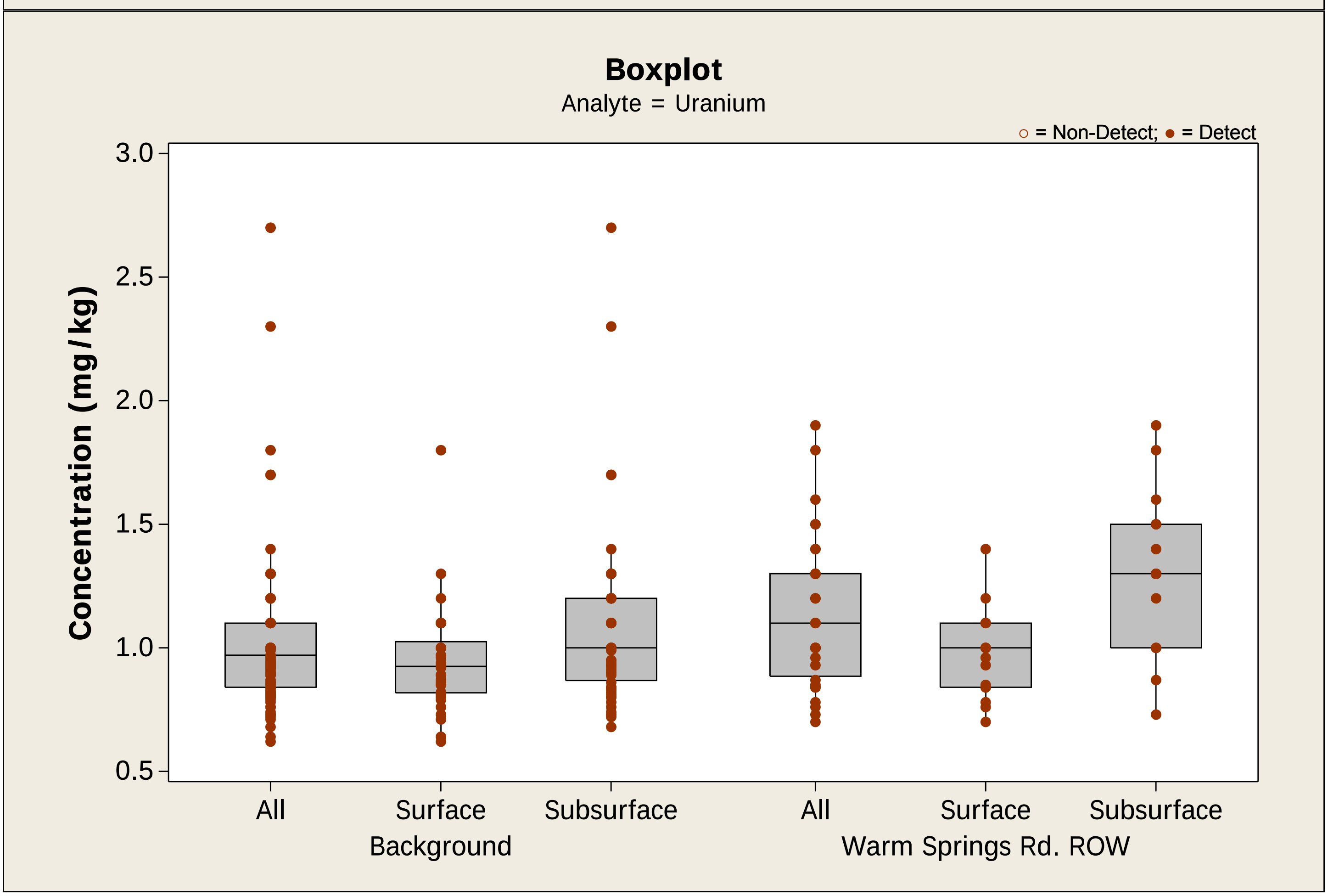

Probability Plot
Normal - 95% CI
Analyte = Titanium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
200
400
600
800
1000
1200
1400
1600
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

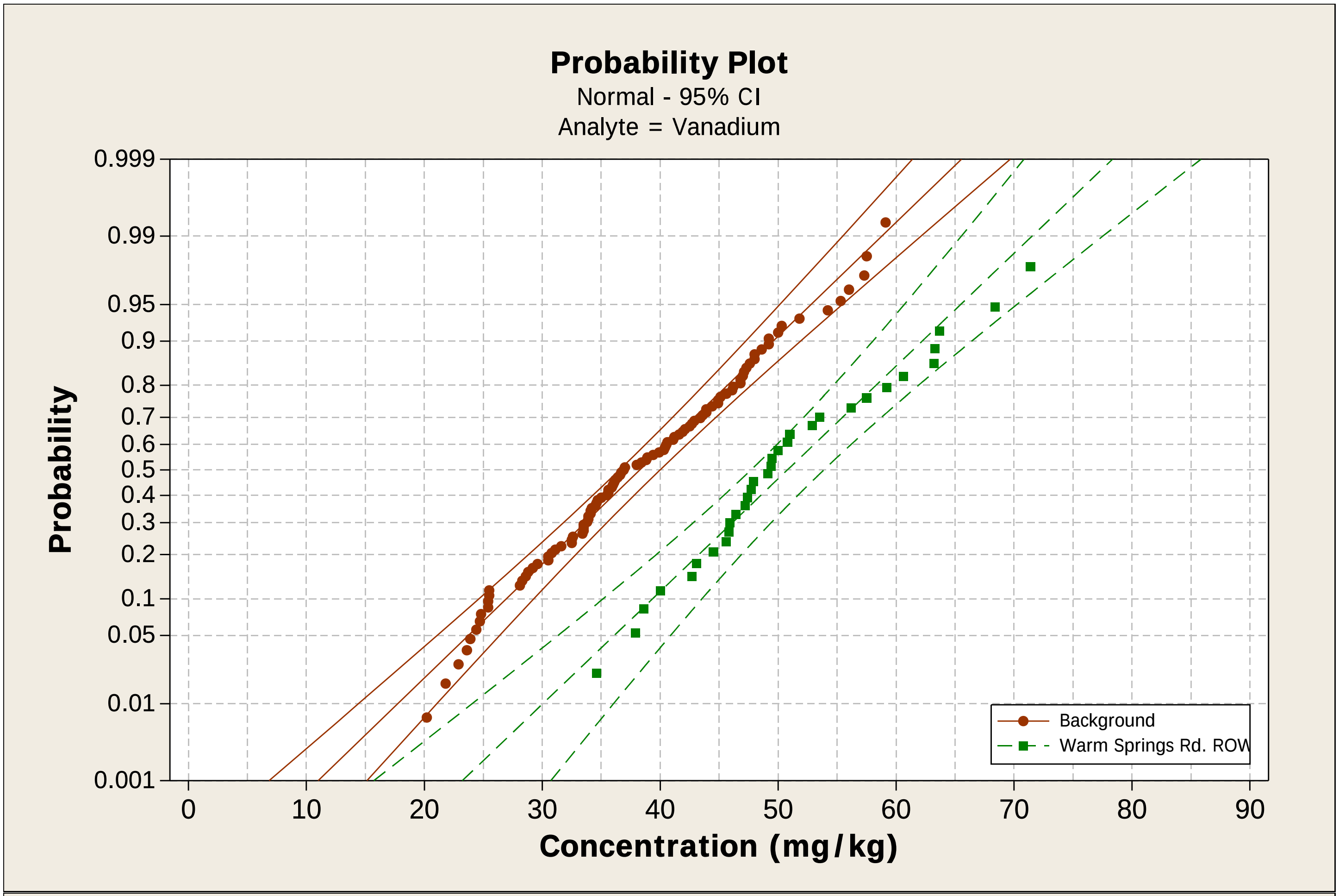

Boxplot
Analyte = Titanium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
1400
1200
1000
800
600
400
200
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW

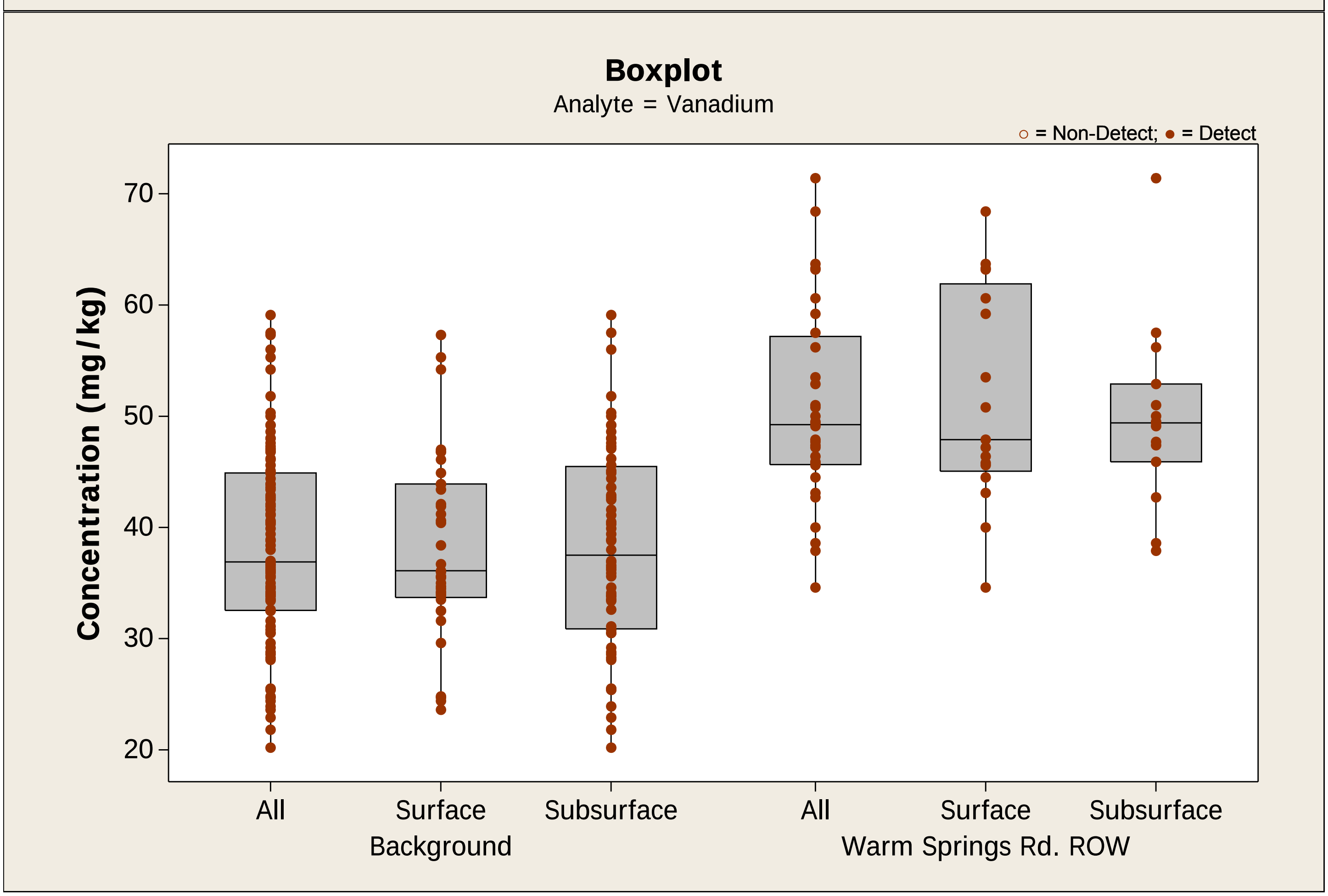

Probability Plot
Normal - 95% CI
Analyte = Tungsten
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-3
-2
-1
0
1
2
3
4
5
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

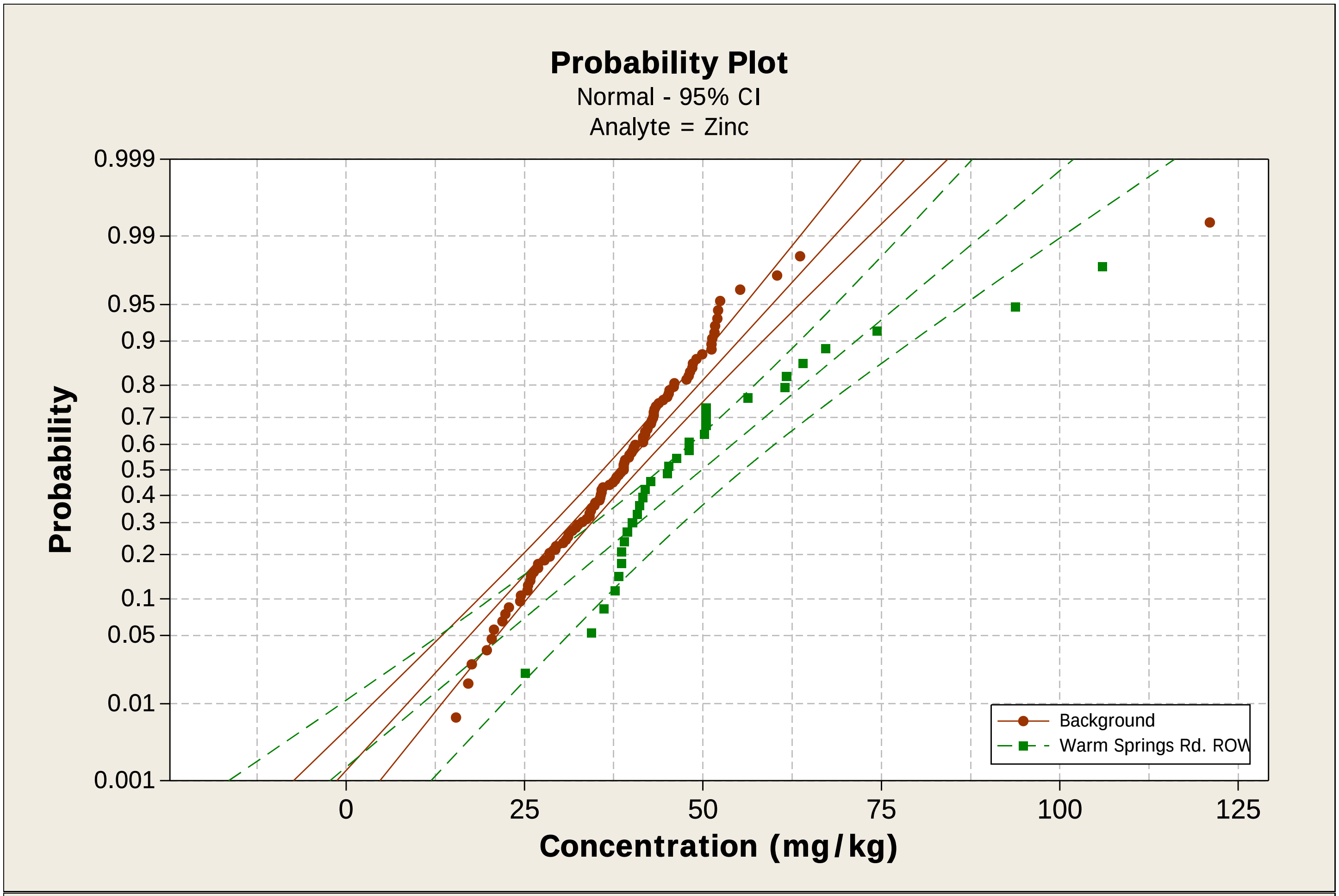

Boxplot
Analyte = Tungsten
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
4
3
2
1
0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

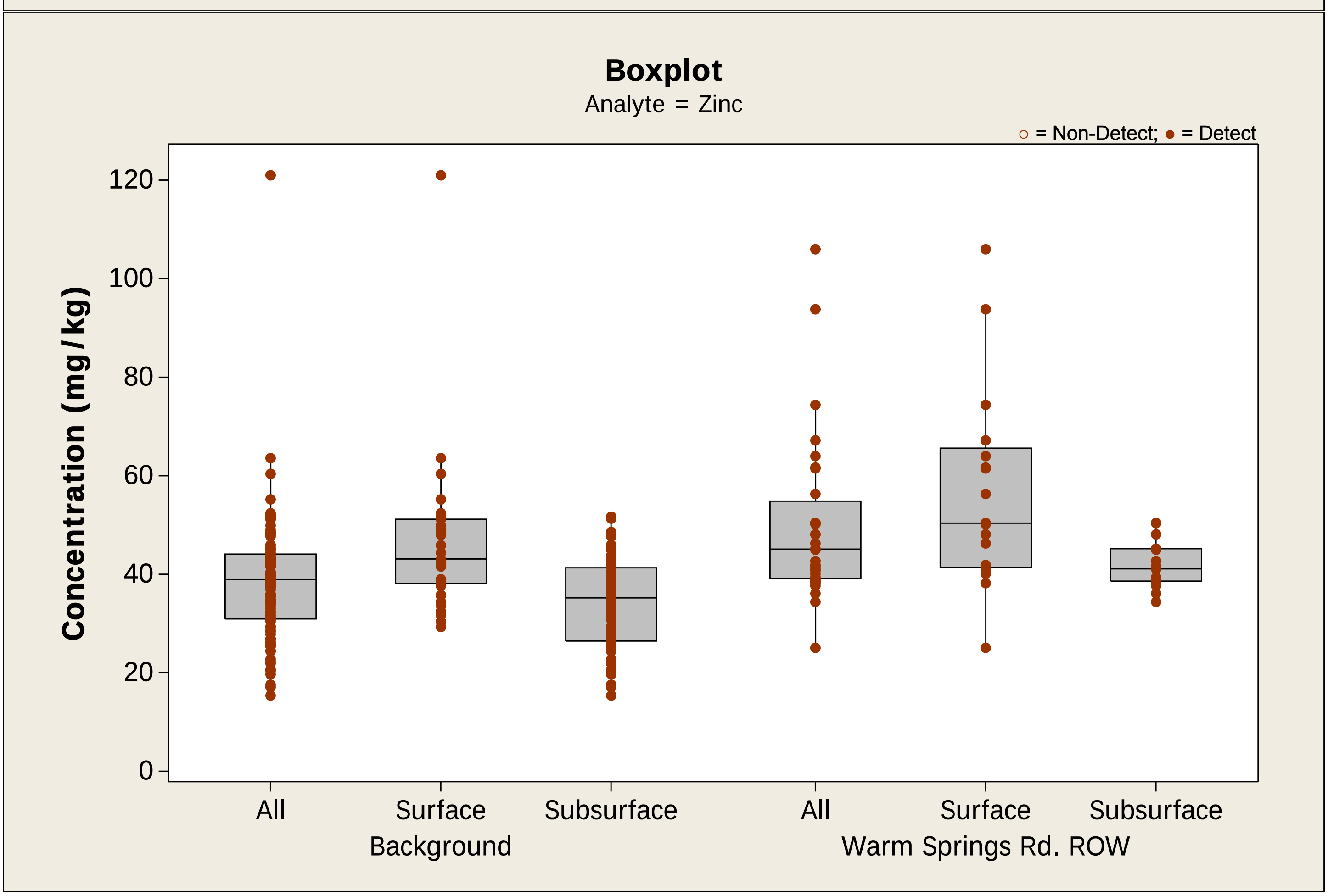

Probability Plot
Normal - 95% CI
Analyte = Uranium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

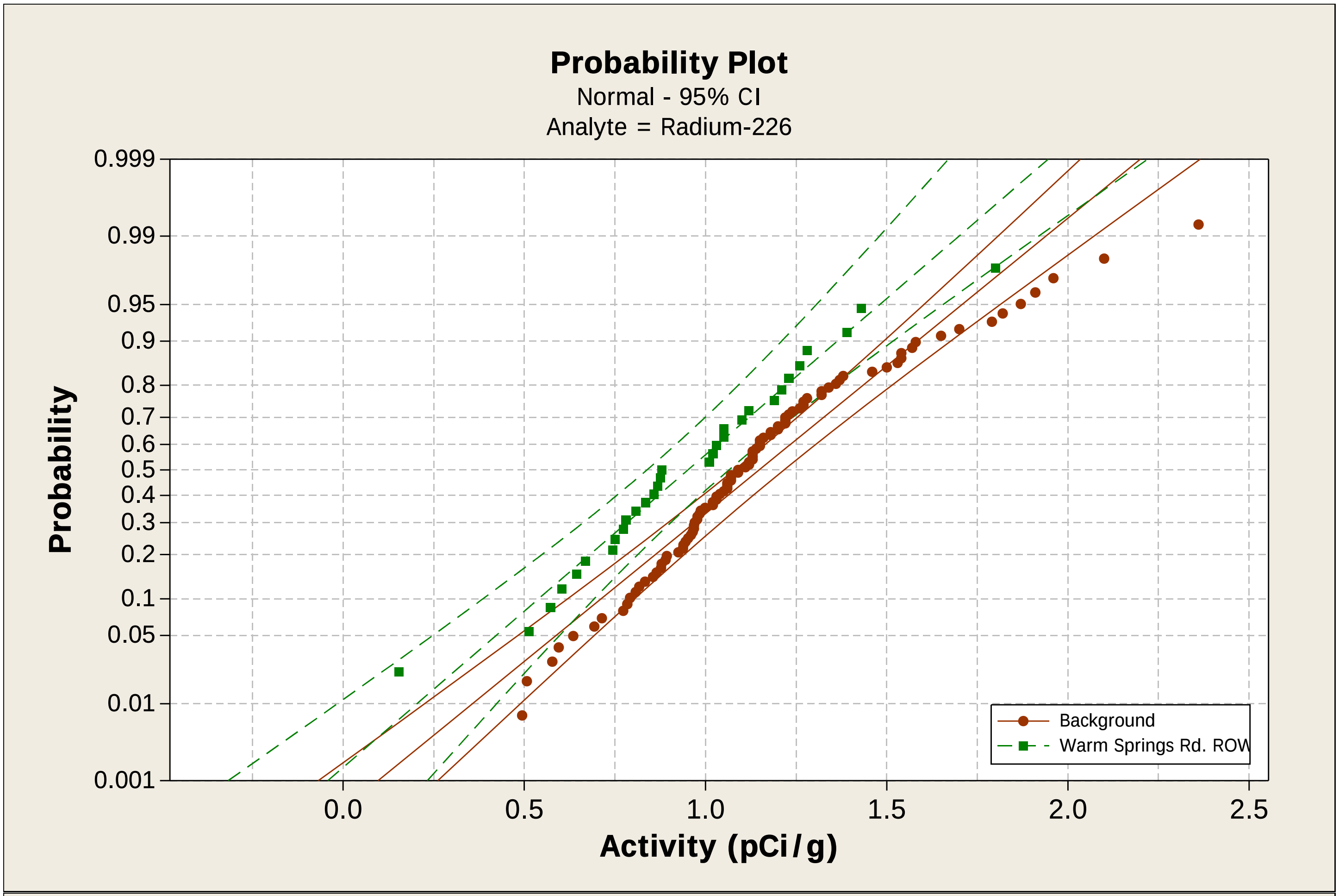

Boxplot
Analyte = Uranium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
3.0
2.5
2.0
1.5
1.0
0.5
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

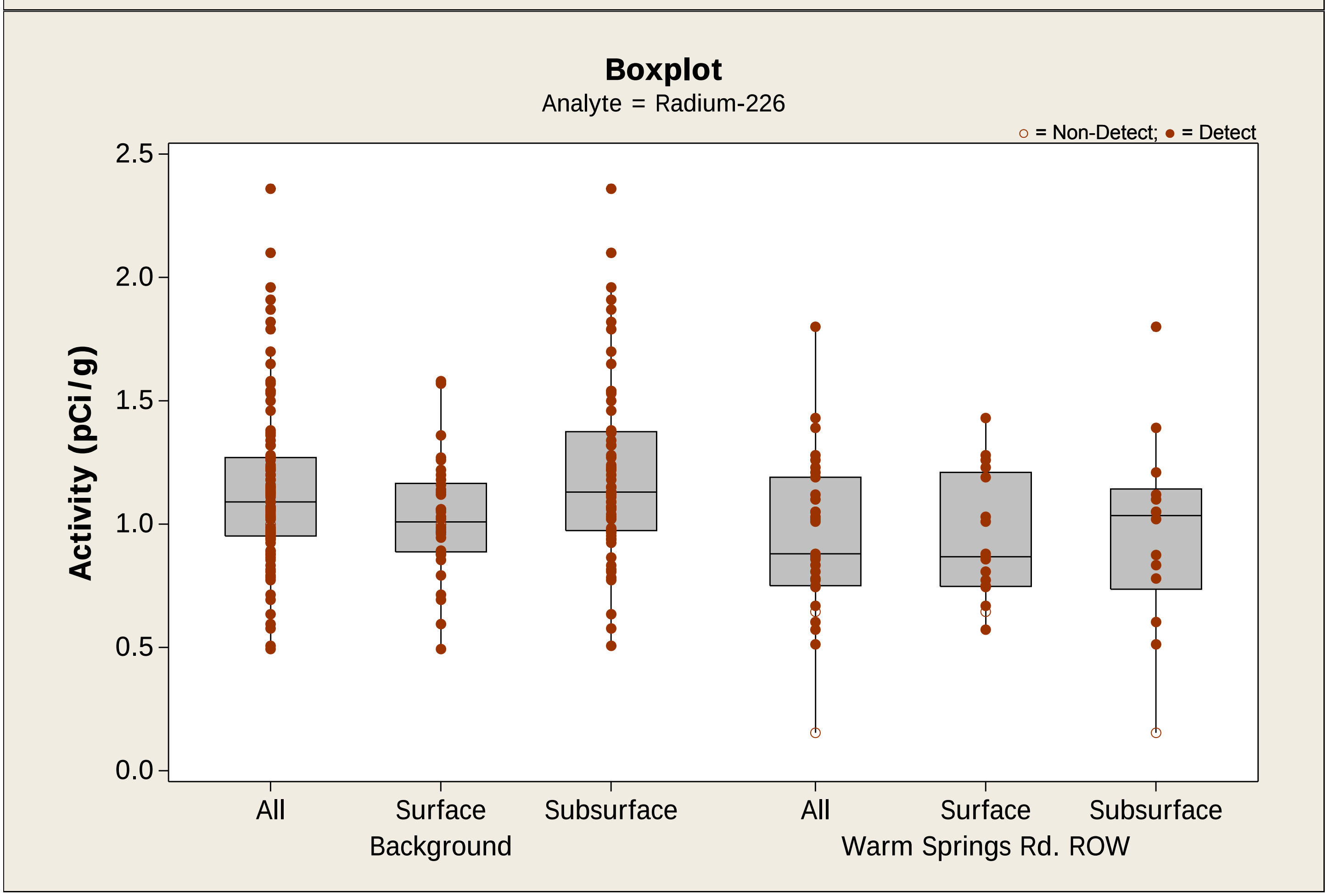

Probability Plot
Normal - 95% CI
Analyte = Vanadium
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
10
20
30
40
50
60
70
80
90
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

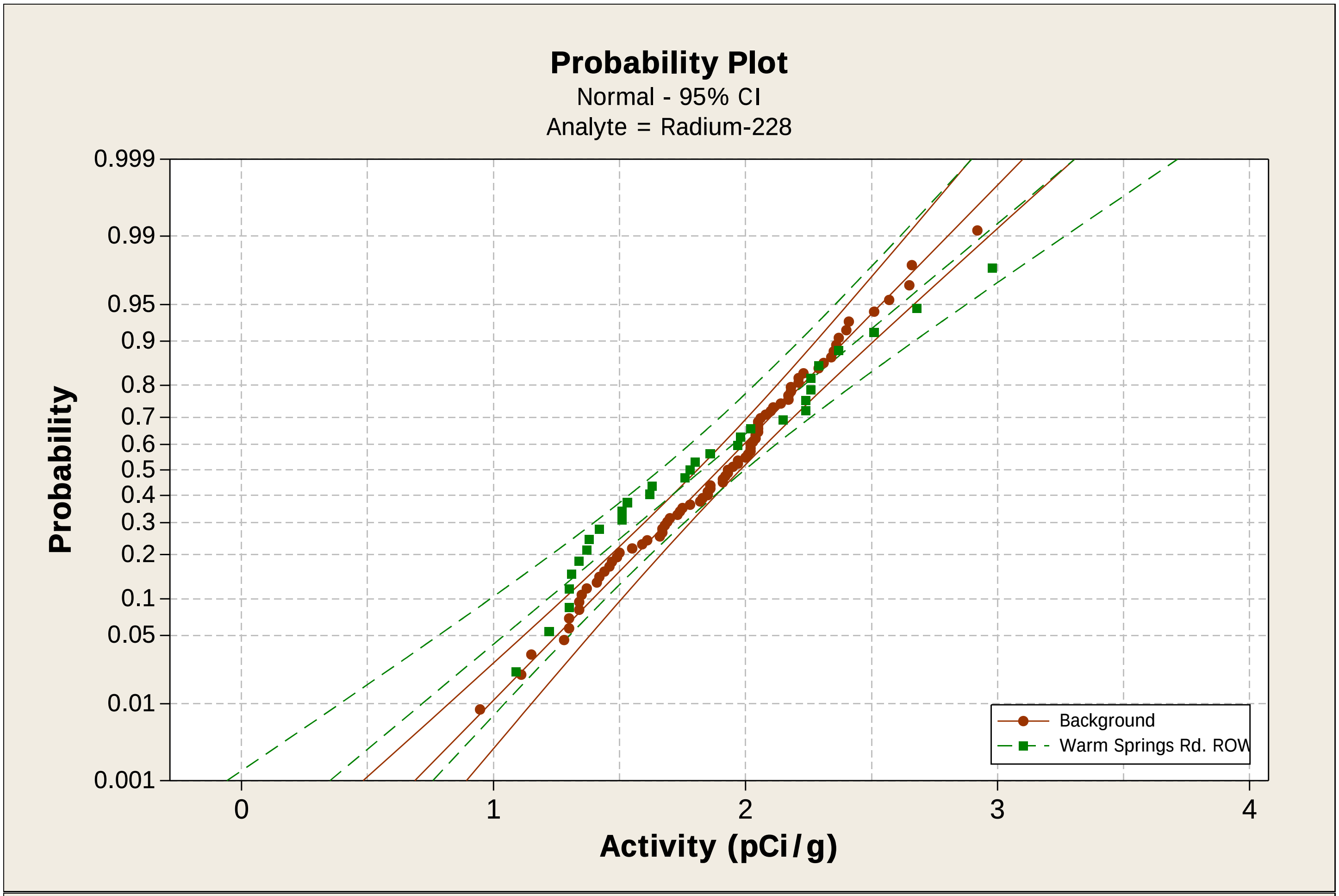

Boxplot
Analyte = Vanadium
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
70
60
50
40
30
20
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

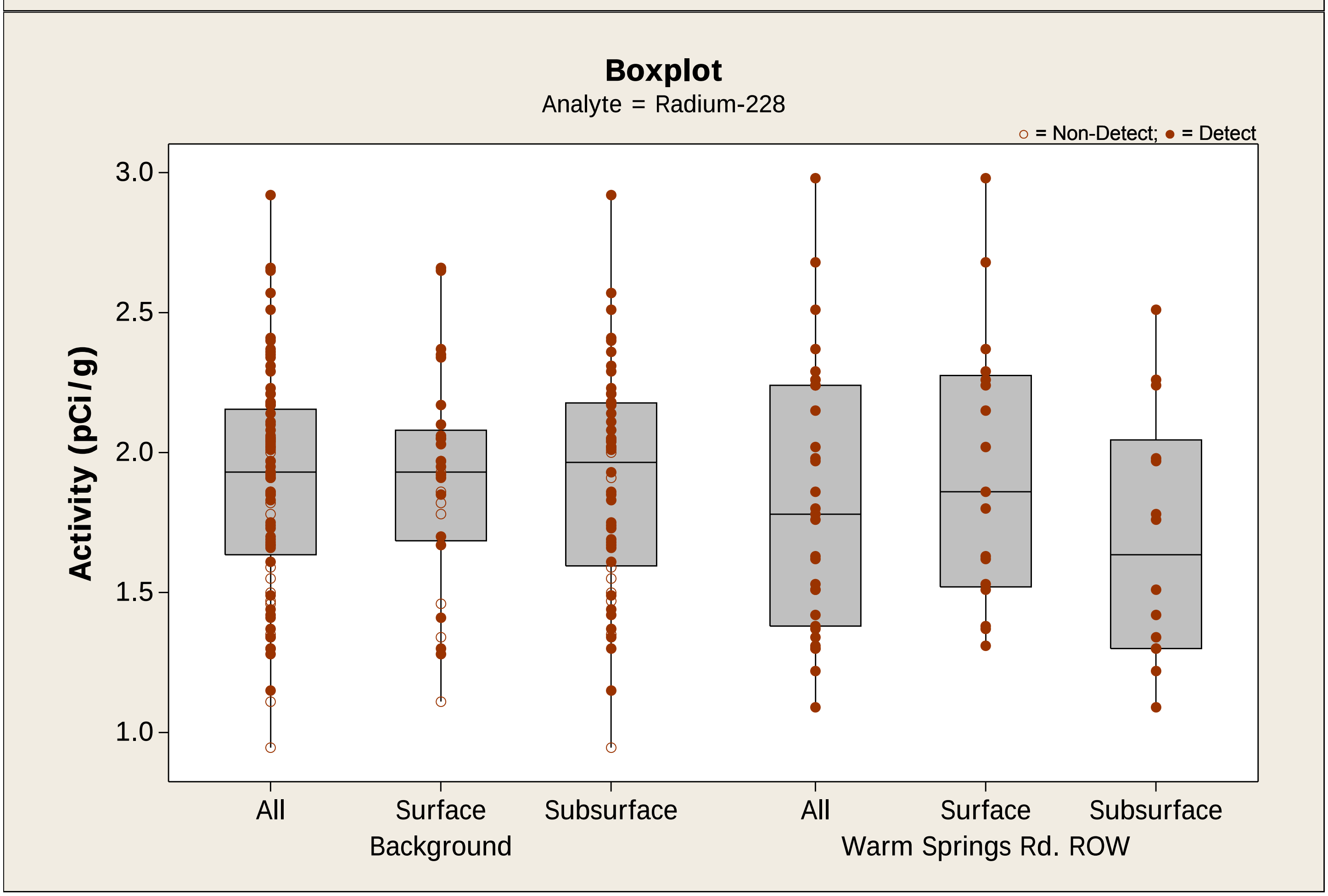

Probability Plot
Normal - 95% CI
Analyte = Zinc
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
25
50
75
100
125
Concentration (mg/kg)
Background
Warm Springs Rd. ROW

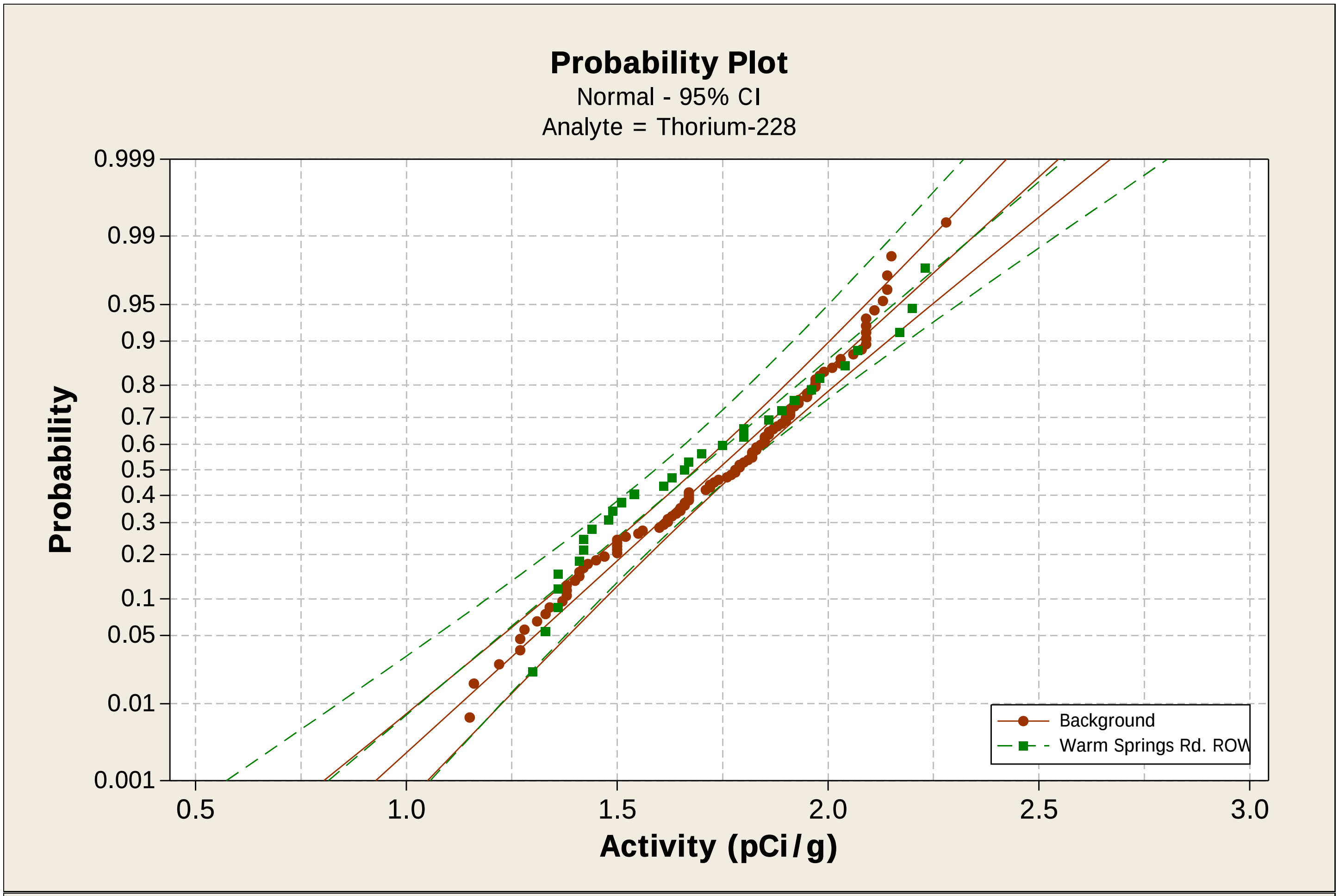

Boxplot
Analyte = Zinc
○ = Non-Detect; ● = Detect
Concentration (mg/kg)
120
100
80
60
40
20
0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Radium-226
Probability
Activity (pCi/g)
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0.0
0.5
1.0
1.5
2.0
2.5
Background
Warm Springs Rd. ROW

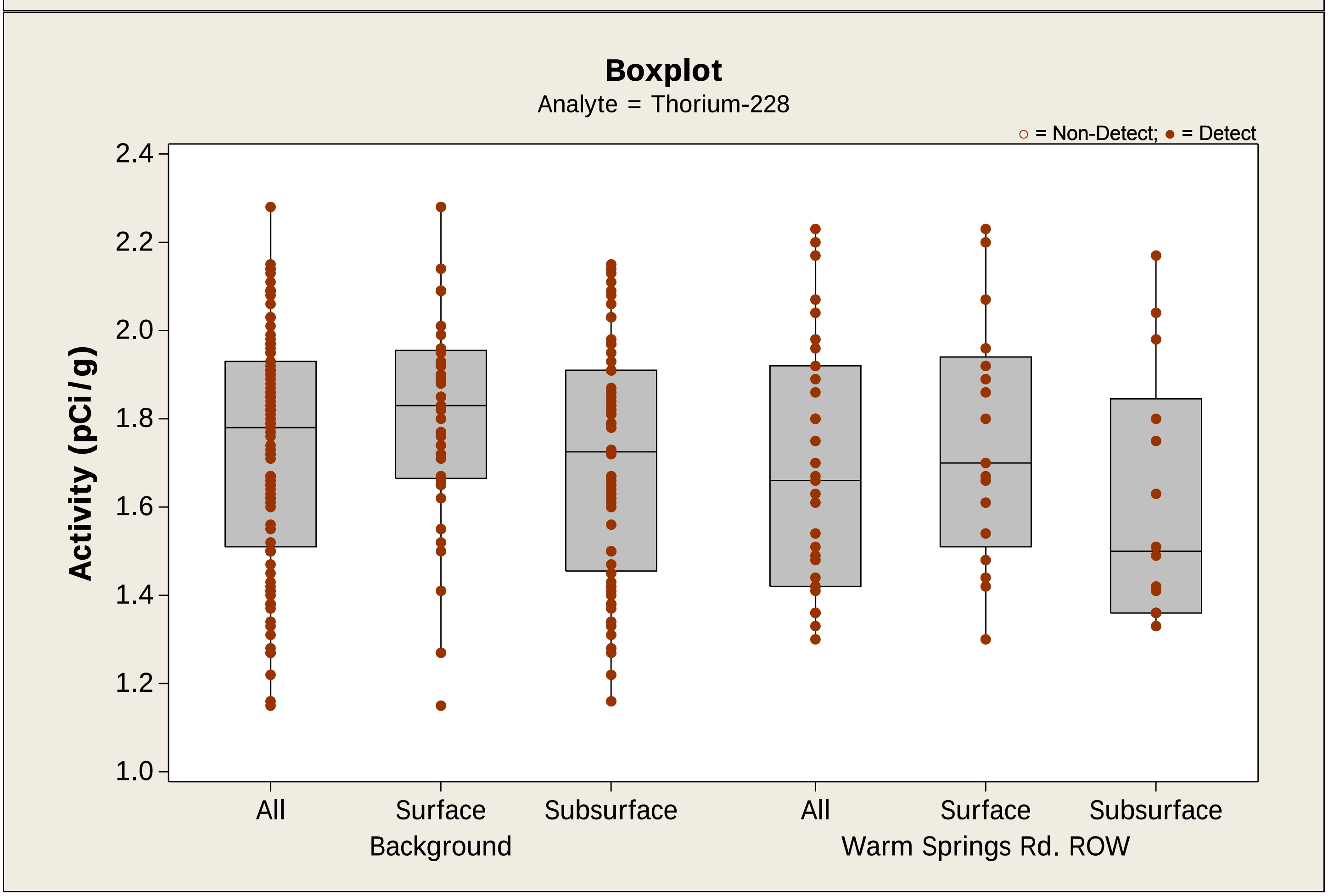

Boxplot
Analyte = Radium-226
○ = Non-Detect; ● = Detect
Activity (pCi/g)
2.5
2.0
1.5
1.0
0.5
0.0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Radium-228
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0
1
2
3
4
Activity (pCi/g)
Background
Warm Springs Rd. ROW

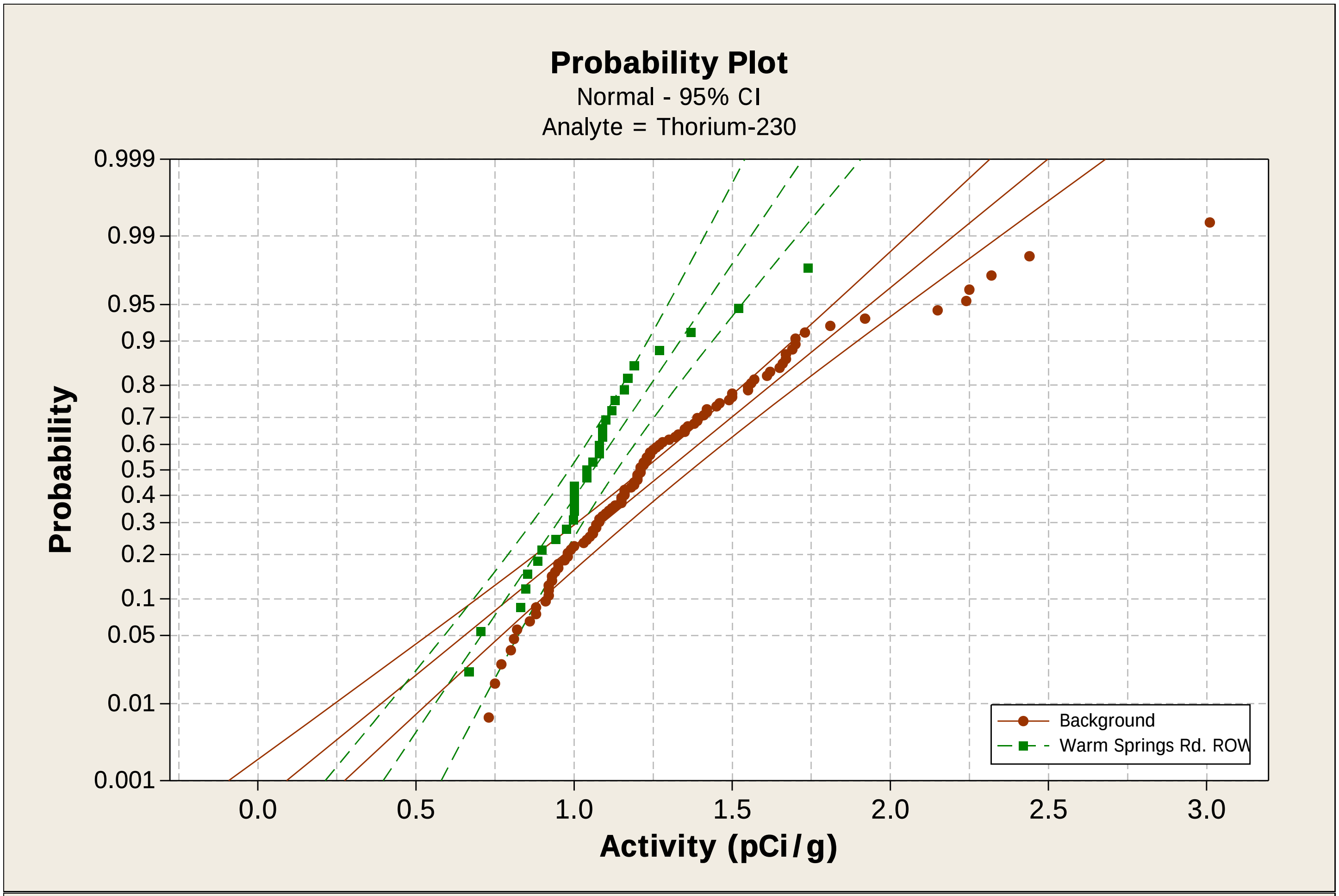

Boxplot
Analyte = Radium-228
○ = Non-Detect; ● = Detect
Activity (pCi/g)
3.0
2.5
2.0
1.5
1.0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW



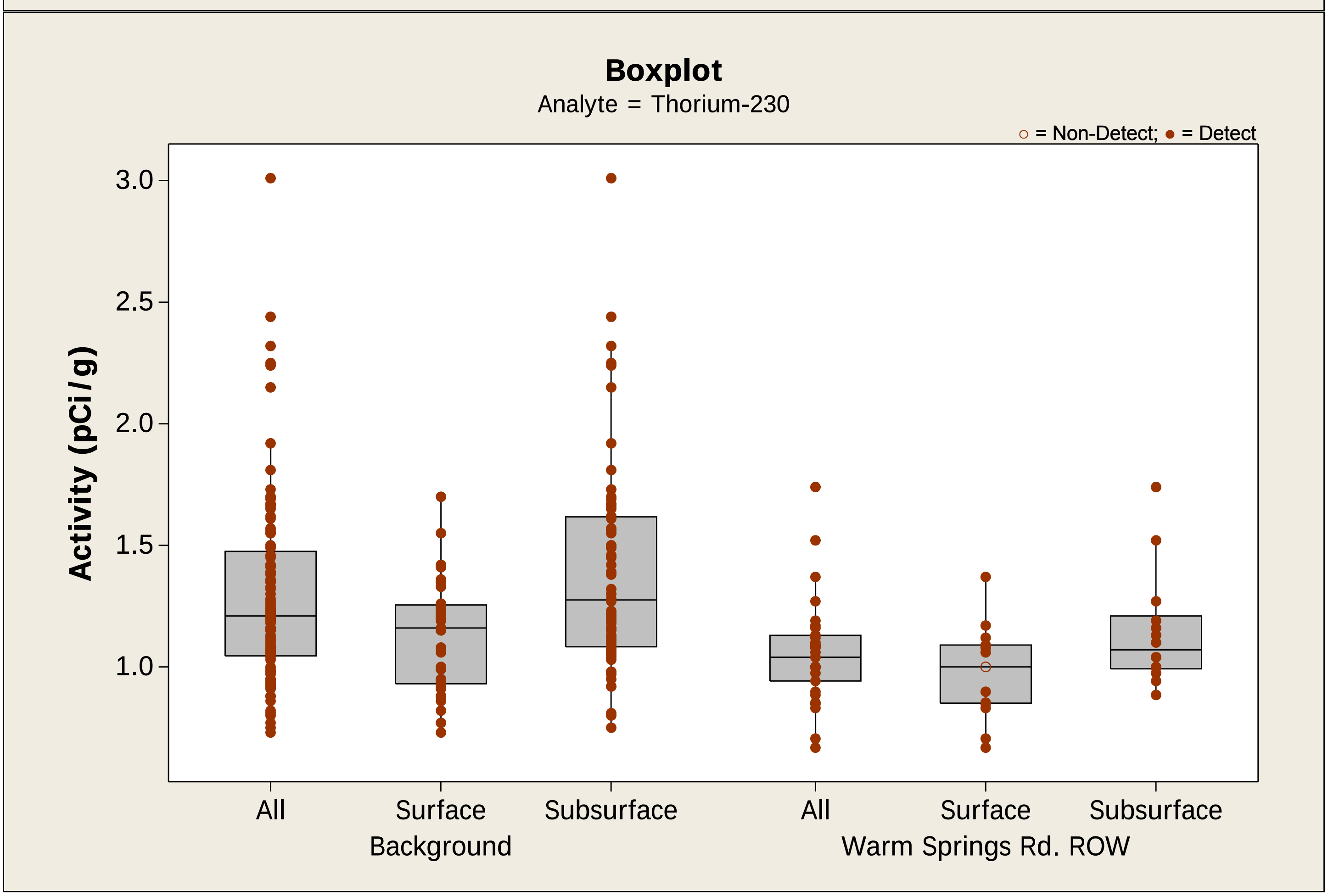
Probability Plot
Normal - 95% CI
Analyte = Thorium-228
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0.5
1.0
1.5
2.0
2.5
3.0
Activity (pCi/g)
Background
Warm Springs Rd. ROW



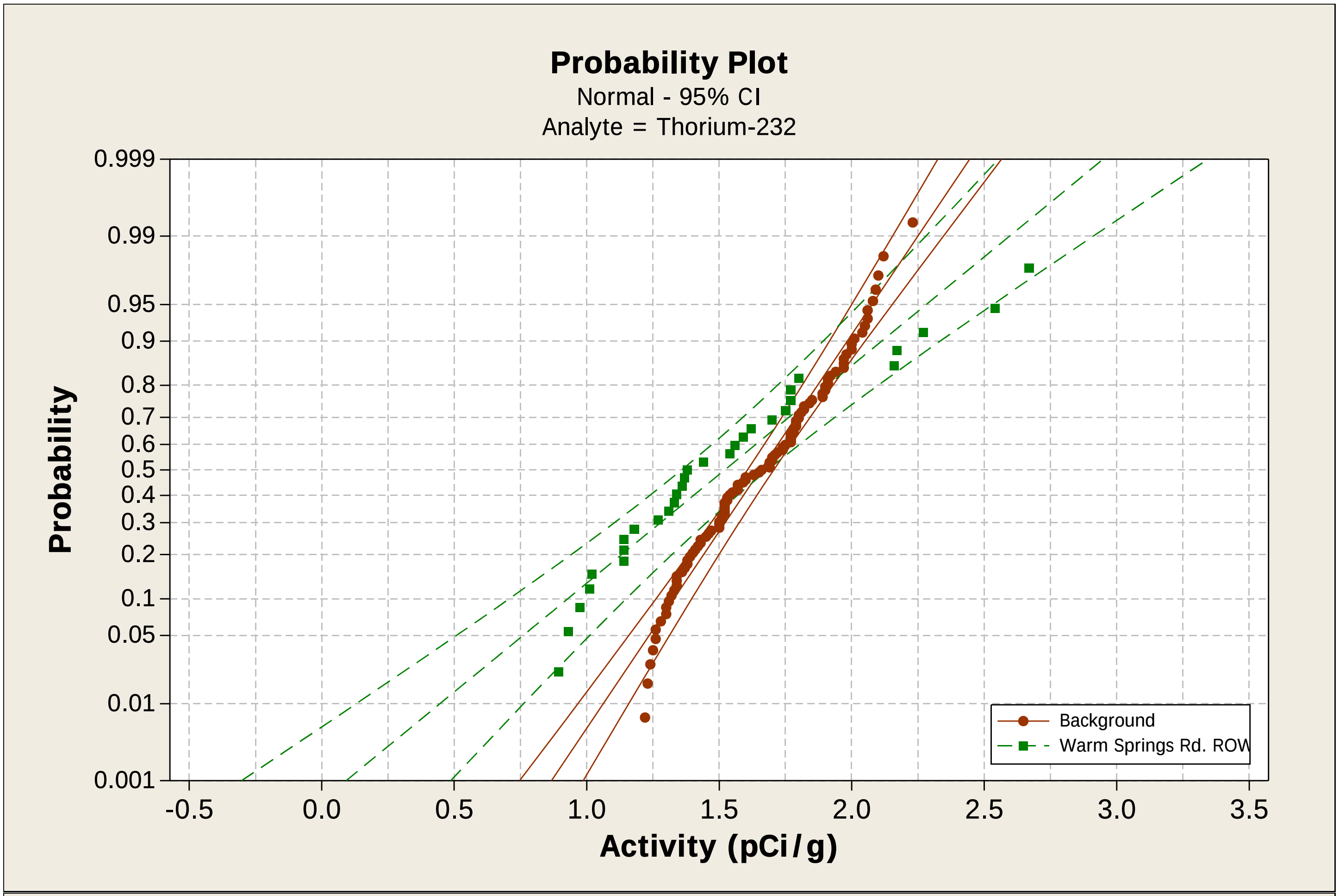
Boxplot
Analyte = Thorium-228
○ = Non-Detect; ● = Detect
Activity (pCi/g)
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW

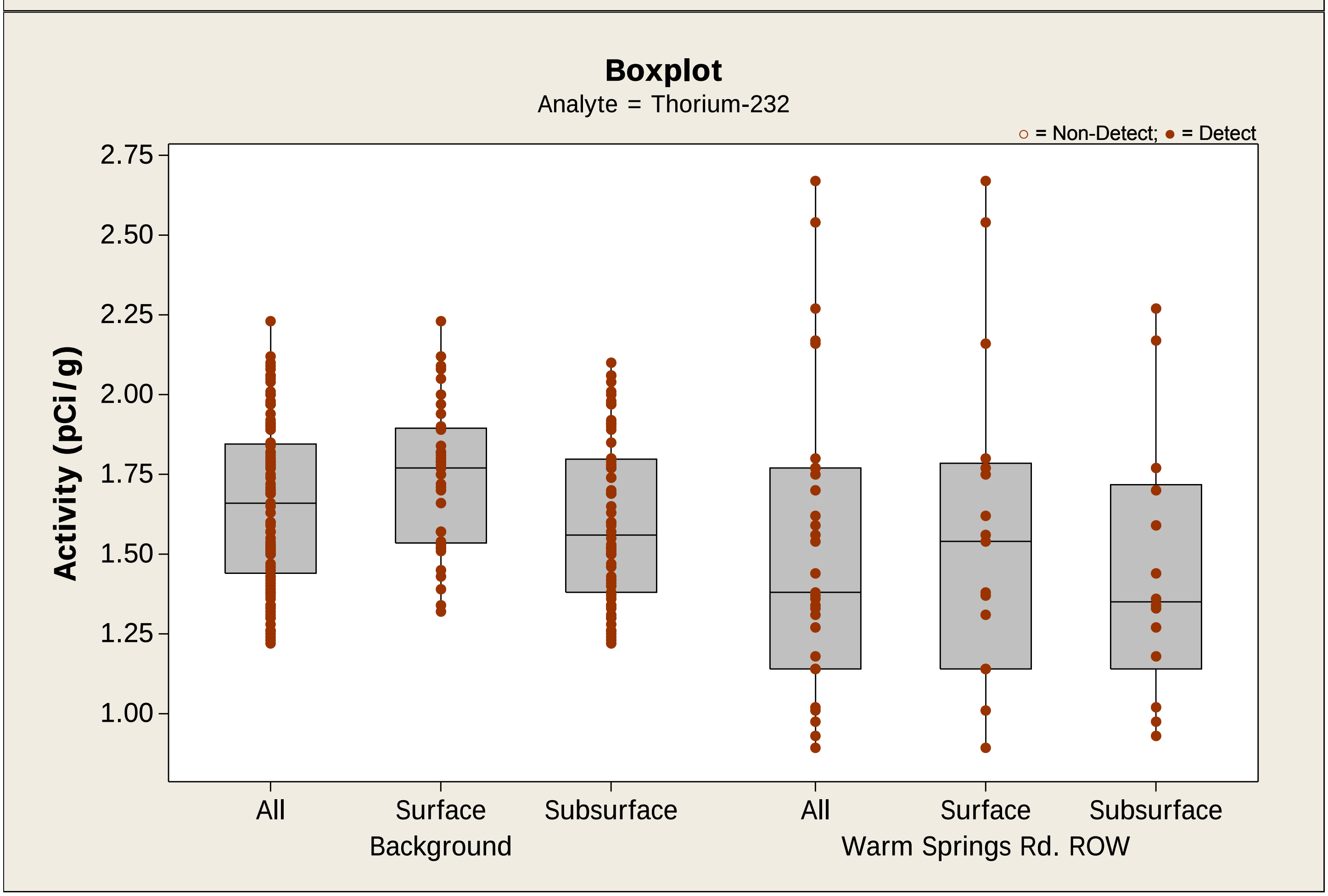


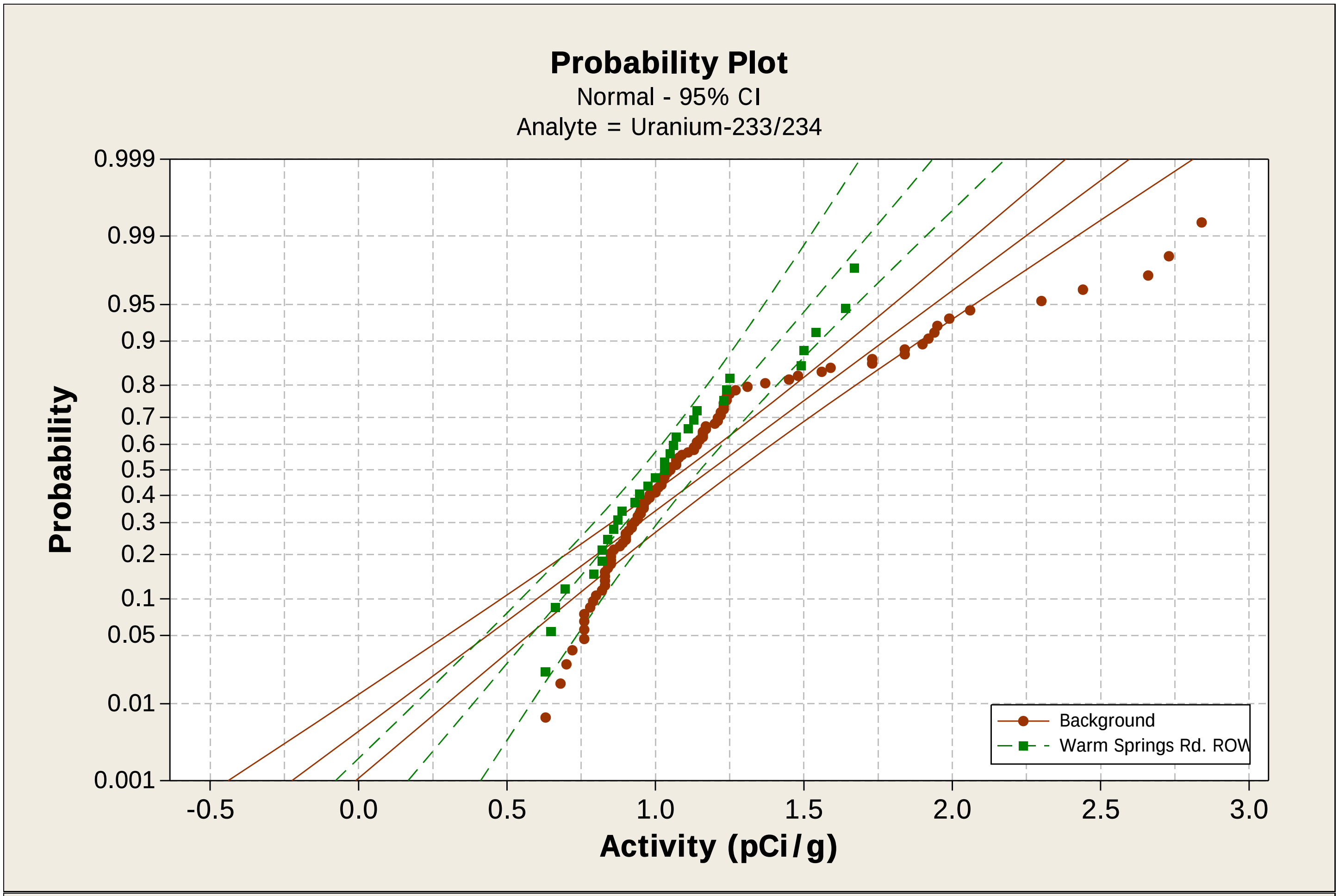
Probability Plot
Normal - 95% CI
Analyte = Thorium-230
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Activity (pCi/g)
Background
Warm Springs Rd. ROW

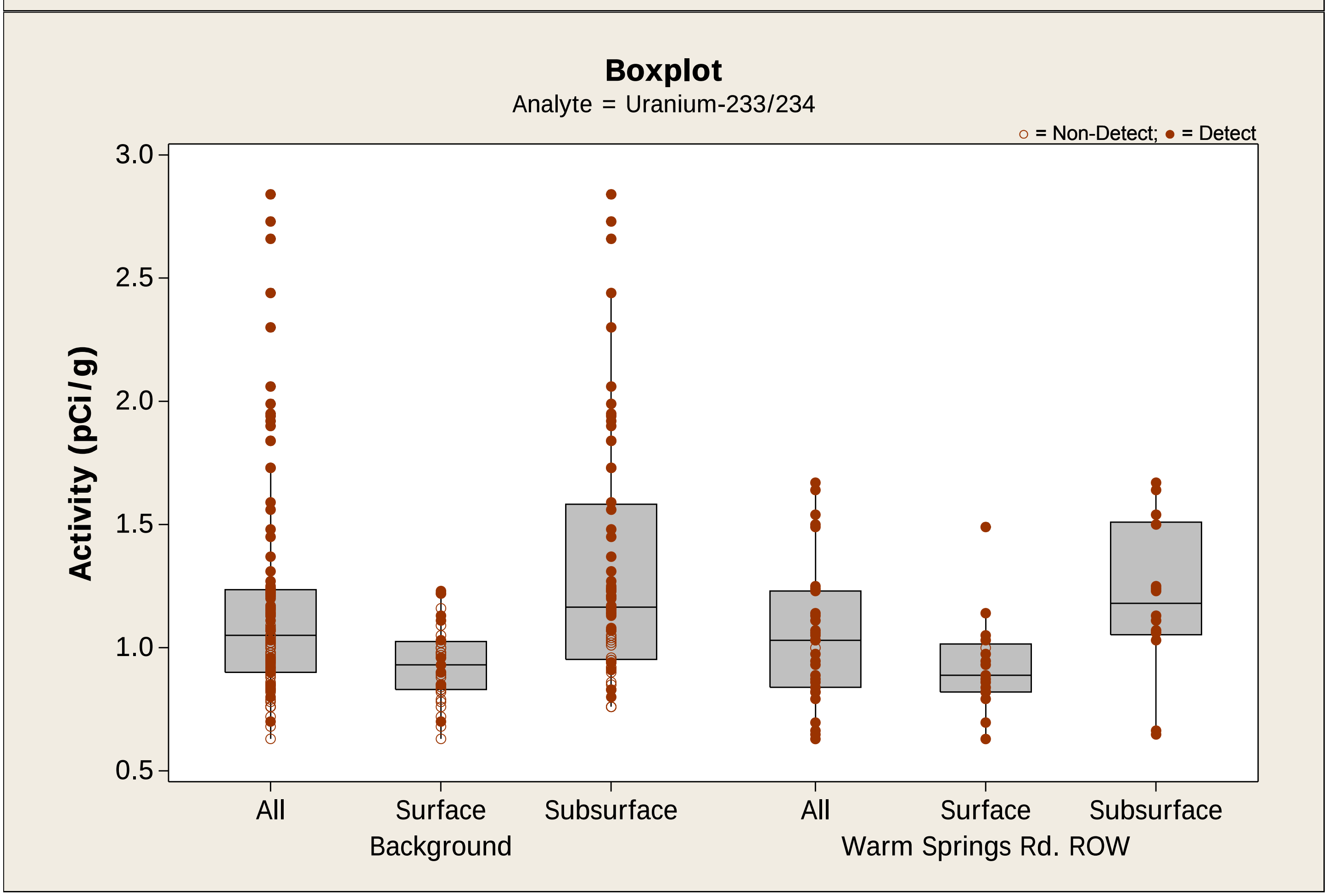


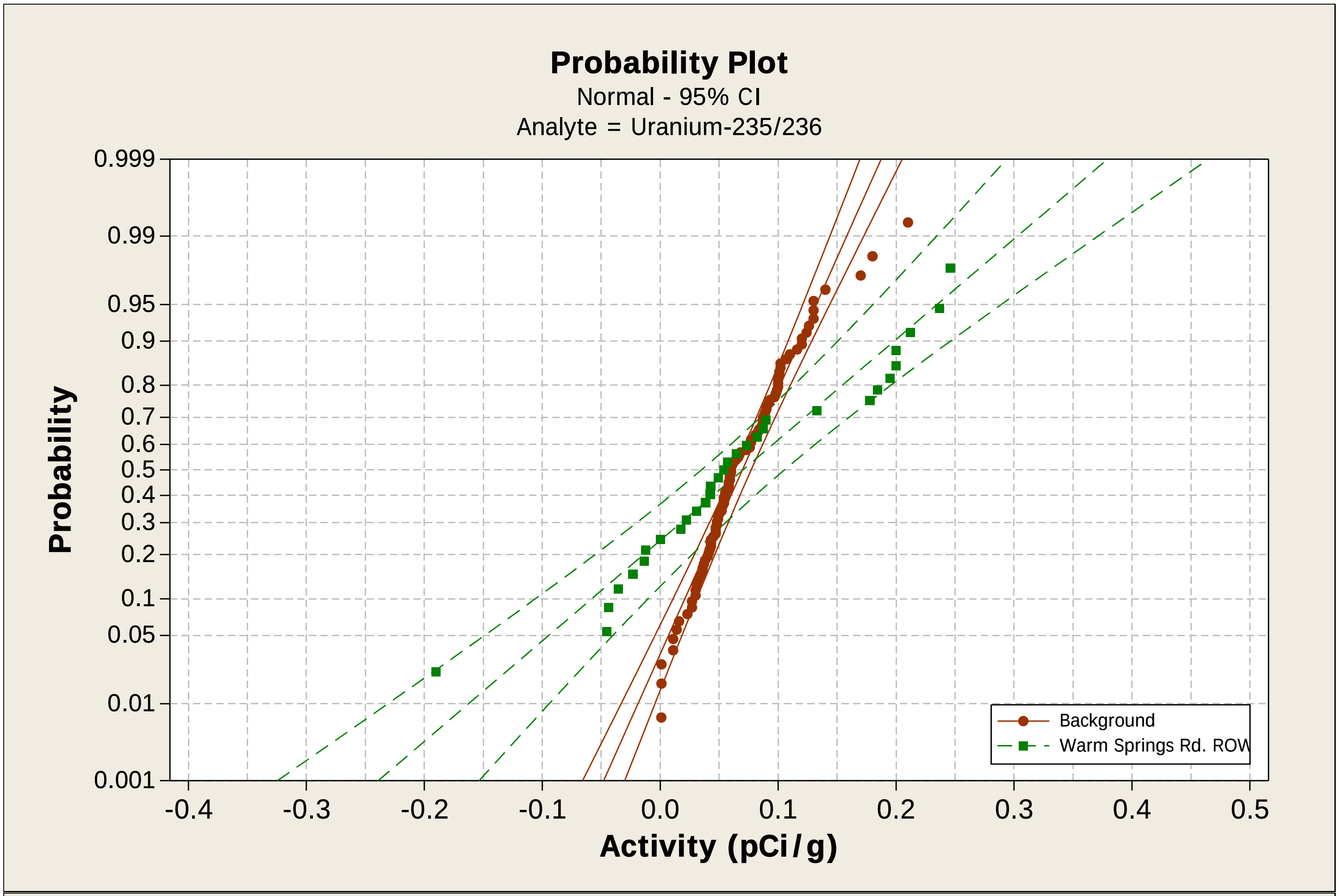
Boxplot
Analyte = Thorium-230
○ = Non-Detect; ● = Detect
Activity (pCi/g)
3.0
2.5
2.0
1.5
1.0
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW

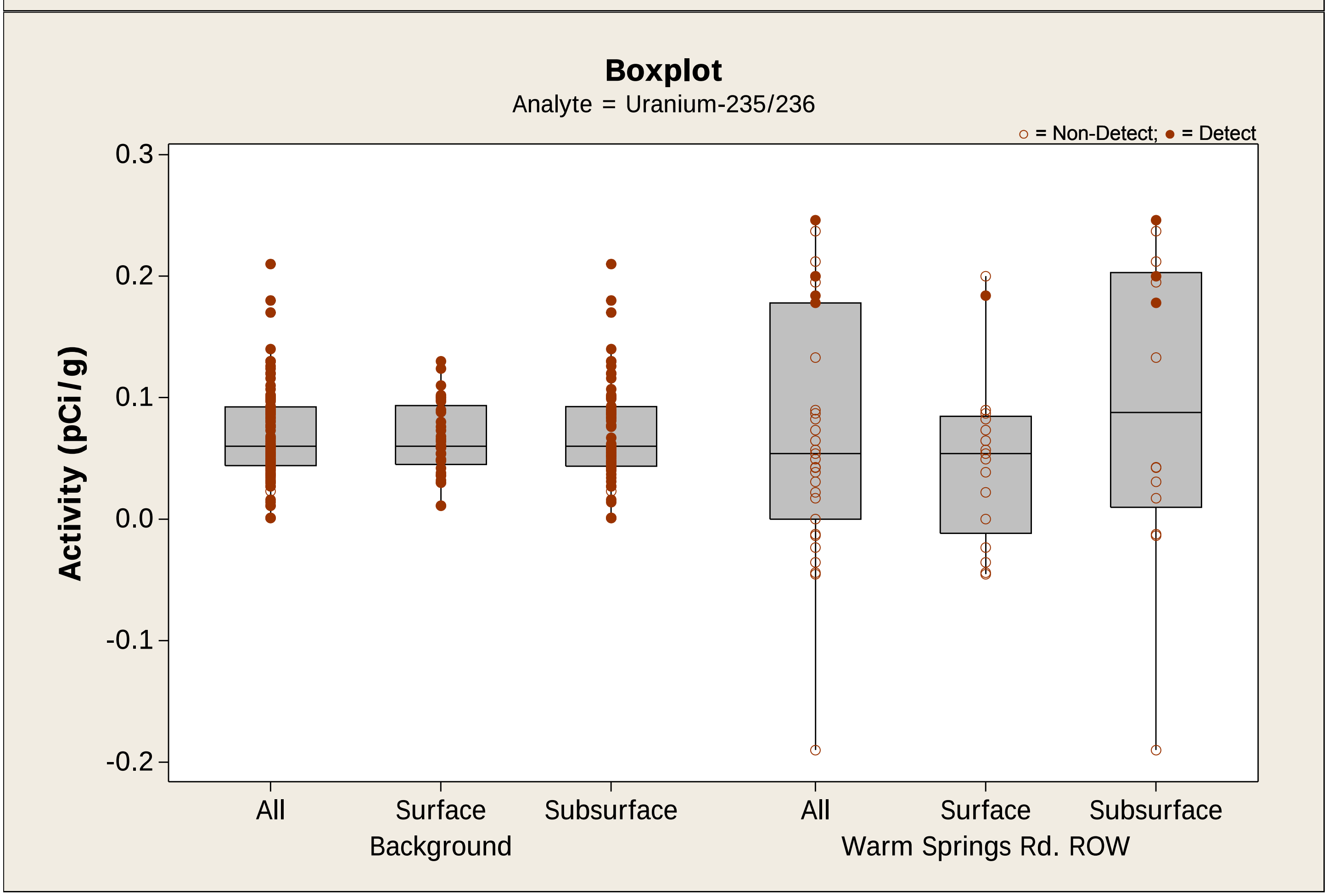

Probability Plot
Normal - 95% CI
Analyte = Thorium-232
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Activity (pCi/g)
Background
Warm Springs Rd. ROW

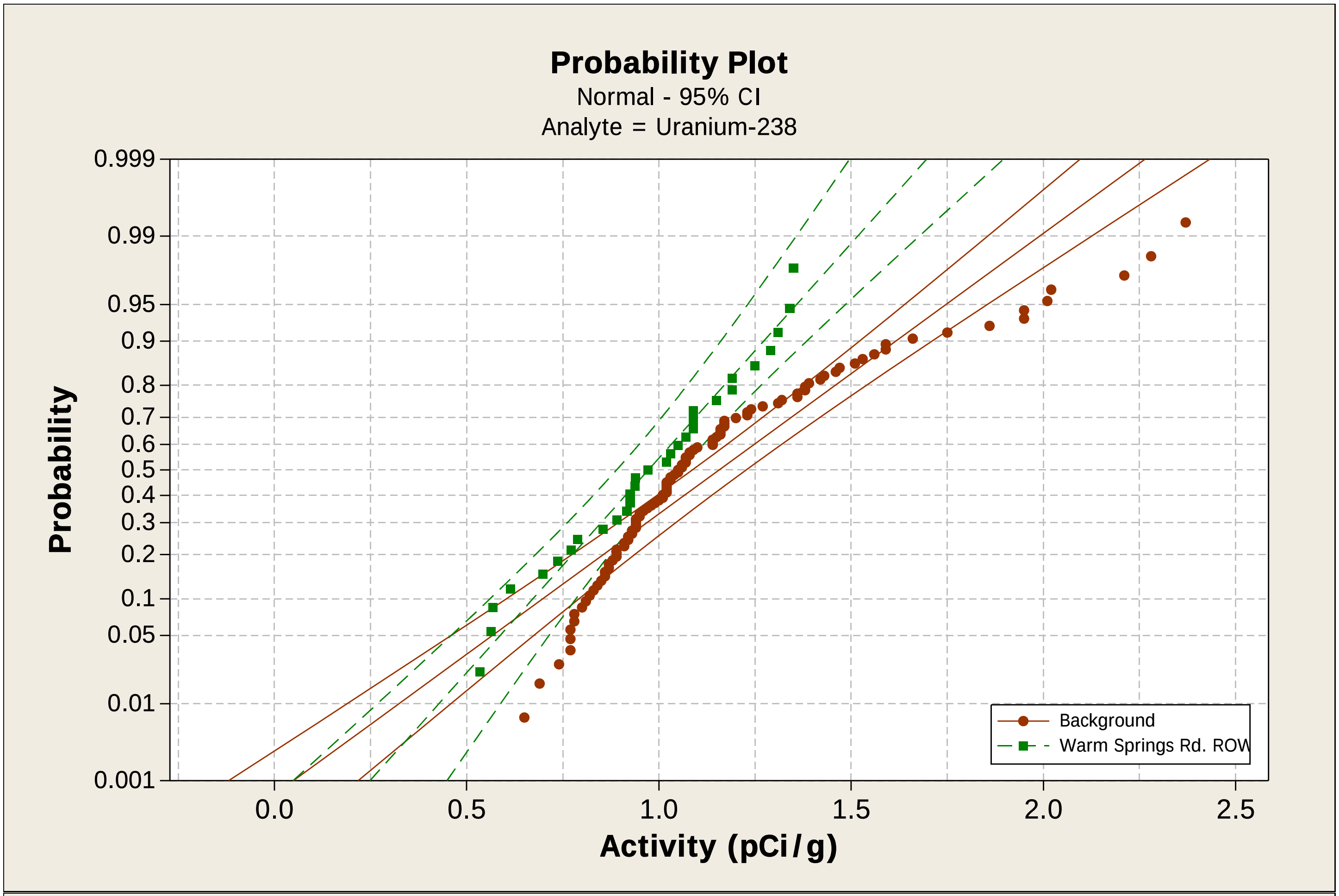

Boxplot
Analyte = Thorium-232
○ = Non-Detect; ● = Detect
Activity (pCi/g)
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Uranium-233/234
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Activity (pCi/g)
Background
Warm Springs Rd. ROW

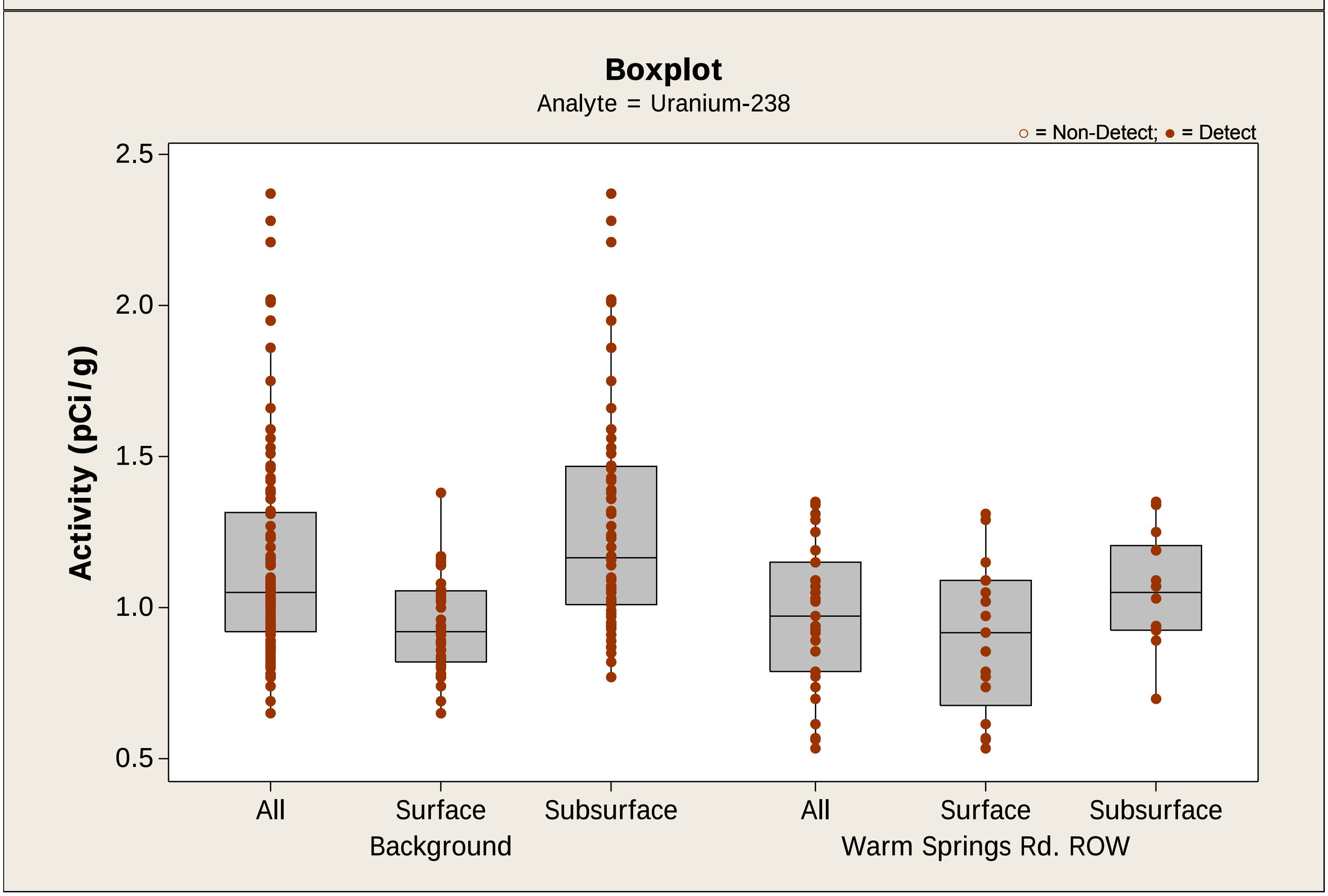

Boxplot
Analyte = Uranium-233/234
○ = Non-Detect; ● = Detect
Activity (pCi/g)
3.0
2.5
2.0
1.5
1.0
0.5
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW


Probability Plot
Normal - 95% CI
Analyte = Uranium-235/236
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
-0.4
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
Activity (pCi/g)
Background
Warm Springs Rd. ROW


Boxplot
Analyte = Uranium-235/236
○ = Non-Detect; ● = Detect
Activity (pCi/g)
0.3
0.2
0.1
0.0
-0.1
-0.2
All
Surface
Subsurface
All
Surface
Subsurface
Background
Warm Springs Rd. ROW



Probability Plot
Normal - 95% CI
Analyte = Uranium-238
Probability
0.999
0.99
0.95
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.05
0.01
0.001
0.0
0.5
1.0
1.5
2.0
2.5
Activity (pCi/g)
Background
Warm Springs Rd. ROW



Boxplot
Analyte = Uranium-238
○ = Non-Detect; ● = Detect
Activity (pCi/g)
2.5
2.0
1.5
1.0
0.5
All
Surface
Subsurface
Background
All
Surface
Subsurface
Warm Springs Rd. ROW