

INDOOR SAMPLING REPORT

FOR

EL PASO COUNTY METALS SURVEY SITE
DESIGNATED RESIDENCES IN SEGUNDO BARRIO, CHIHUAHUITA,
KERN PLACE, RIO GRANDE, AND SUNSET HEIGHTS
EL PASO, EL PASO COUNTY, TEXAS

Prepared for

U.S. Environmental Protection Agency Region 6

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EXECUTIVE SUMMARY

Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START-2) was tasked by the U.S. Environmental Protection Agency (EPA) Region 6 under Contract Number 68-W-01-005, Technical Direction Document No. (TDD) 06-03-12-0004 to perform indoor sampling at residential properties located at the El Paso County Metals Survey Site in El Paso, El Paso County, Texas. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Number assigned to the site is TX0000605388. The indoor sampling included soil, indoor dust, wipe, water faucet, and lead based paint sampling at 30 residential properties. START-2 was onsite from 24 January 2004 to 8 February 2004 to conduct the sampling activities.

The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

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- Appendix C Site Photographs (Phototracker)
- Appendix D XRF Lead Based Paint Test Results
- Appendix E Copy of TDD No. 06-03-12-0004 and Amendment A
- Appendix F Logbook
- Appendix G Lead Risk Assessor Certification

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1. INTRODUCTION

Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START-2) was tasked by the U.S. Environmental Protection Agency (EPA) Region 6 Response and Prevention Branch (RPB) under Contract No. 68-W-01-005 and Technical Direction Document No. (TDD) 06-03-12-0004 to perform soil, indoor dust, wipe, water faucet, and lead-based paint sampling at 30 residential properties located at the El Paso County Metals Survey site in El Paso, El Paso County, Texas. A Site Location Map is provided as Figure 1-1. All figures and appendices are provided as separate portable document format (PDF) files. The Comprehensive Environmental Response, and Compensation, and Liability Information System (CERCLIS) database number assigned to the site is TX0000605388. START-2 prepared an Indoor Residential Sampling Quality Assurance Sampling Plan (QASP) in January 2004, which described the technical scope of work to be completed as part of the sampling activities. This Indoor Sampling Report describes the results of those sampling activities.

1.1 PROJECT OBJECTIVES

The objectives of this project were to: 1) collect soil, indoor dust, wipe, paint and drinking water samples from 30 homes as specified by the EPA TM within the El Paso County Metals Survey site; 2) to obtain site access agreements from the 30 specified home owners; and 3) to utilize a private laboratory for sample analysis and to provide the data in a format appropriate for input into the Integrated Exposure Uptake Biokinetics (IEUBK) model to help predict cleanup levels for lead contaminated soils.

1.2 SCOPE OF WORK

START-2 provided technical support to EPA for the performance of this sampling activity. The project objectives were the following:

- To collect two composite soil samples from each residence, one in the front yard and one in the back yard.

- To collect indoor dust and wipe samples from high-traffic areas of residences, including doorways and bedrooms, for lead determination.
- To inspect plumbing systems and to collect water faucet samples to determine the presence of lead piping and lead-contaminated water at each residence.
- To inspect and test for lead-based paint at each residence and to collect paint samples from each residence.
- To compare the results of the soil, indoor dust, water faucet, and lead-based paint samples to EPA actions levels and to determine the potential for human exposure to lead.
- To provide data for the Integrated Exposure Uptake Biokinetics (IEUBK) Model which will help predict cleanup levels for lead-contaminated soils.

The objectives of this sampling activity were achieved by completing the specific elements identified in the TDD and by evaluating data obtained during the field activity through the collection and analysis of soil, dust, paint, and water samples.

1.3 REPORT FORMAT

This report has been organized in the following format:

- Section 1 – Introduction
- Section 2 – Site Background
- Section 3 – Field Sampling Activities
- Section 4 – Summary of Analytical Results

Tables referenced in the text are included at the end of each section. Appendices are attached with the following information:

- Appendix A – Calibration Certificates For HVS3 and Niton XRF
- Appendix B – Data Validation Sheets and Form 1's
- Appendix C – Site Photographs (Phototracker)
- Appendix D – XRF Lead Based Paint Test Results
- Appendix E – Copy of TDD No. 06-03-12-0004 and Amendment A
- Appendix F – Logbook
- Appendix G – Lead Risk Assessor Certification

Figure 1-1
Site Location Map

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TDD NO. 06-03-12-0004
CERCLIS NO. TX0000605388

2. SITE BACKGROUND

Information about the site location, description of the Site, and a summary of previous investigations are presented in the following subsections.

2.1 SITE LOCATION AND DESCRIPTION

The El Paso County Metals Survey site extends throughout the central and west side of the City of El Paso, El Paso County, Texas. The site is approximately 18 square miles and includes residential homes, schools, churches, city properties, commercial properties, public parks and playgrounds. The priority for this study involved sampling 30 residential homes.

2.2 SUMMARY OF PREVIOUS INVESTIGATIONS

Previous investigations have been conducted to determine if high concentrations of metals are prevalent in soils throughout the City of El Paso. These investigations involved surveys conducted by the former Texas Air Control Board (TACB) and numerous environmental investigations associated with individual masters theses from students at the University of Texas at El Paso (UTEP). These investigations identified elevated concentrations of metals in soils throughout areas of El Paso, Texas.

Based on these previous investigations and a request from the local officials, EPA conducted an initial soil and air sampling investigation of El Paso schools and parks during July 2001 to determine if the data from UTEP were reproducible. Based on the results of the soil screening and air sampling, EPA determined that several areas warranted further investigation.

Lead and arsenic are hazardous substances as defined by CERCLA in Section 101(14), 42 USC. §9601(14), and listed in 40 CFR. §302.4. As stated in Office of Solid Waste and Emergency Response (OSWER) Directive #9355.4-02 entitled, "Interim Guidance on Establishing Soil Lead Cleanup Levels at Superfund Sites," it is EPA policy to limit and/or restrict public access in residential areas to surface soils with lead concentrations greater than 500 parts per million (ppm).

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2.3 SITE DESCRIPTIONS

Thirty residential properties were sampled within the El Paso County Metals Survey Site, El Paso, Texas. The designated residences were located in five different neighborhoods. These neighborhoods included Segundo Barrio, Chihuahuita, Kern Place, Rio Grande, and Sunset Heights. The residential properties in these areas varied greatly in size, from one bedroom to five bedrooms. The age of the properties ranged from the early 1900's to the 1980's and the ground cover varied from grass lawns to bare dirt and rock.

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3. FIELD SAMPLING ACTIVITIES

The field activities that were conducted as part of the indoor sampling activities are presented in this section. START-2 performed the work associated with this TDD in general accord with WESTON's Corporate Quality Management Plan and Programmatic Quality Assurance Project Plan, dated May 2003, applicable American Society of Testing and Materials (ASTM) documentation, EPA Environmental Response Team (ERT) guidance, and WESTON Standard Operating Procedures (SOPs). Sampling procedures, locations for sampling, numbers of samples, quality assurance (QA) procedures, and the analytical approach that was used are discussed. Prior to the sampling, START-2 gained access to each location identified by EPA for sampling by meeting with property owners and obtaining written access agreements. START-2 provided assistance in managing community relations while in the field under the direction of EPA TM Jon Rinehart.

3.1 SAMPLING APPROACH

Prior to the sampling activity, START-2 obtained site access to 30 residences selected by EPA for sampling. These houses were selected by the EPA based on the concentrations of lead detected in the soil and the presence or absence of children. The type of landscaping present at each home was noted such as bare dirt, sparse grass, lush grass, or rock, as well as the presence or absence of pets.

A START-2 State of Texas Department of Health certified Lead Inspector and Risk Assessor were present on-site and supervised and participated in all sample collection activities.

The sampling strategy at each residence focused on the following:

- The collection of composite soil samples.
- The collection of indoor dust, wipe and water faucet samples.
- The inspection of plumbing for lead pipes.
- The inspection, field screening, and testing for lead-based paint.

During the sampling activity, START-2 collected soil, dust, wipe, paint and water faucet samples from each residence, inspected each residence for the presence of lead pipes, and field tested each residence for lead-based paint. Table 3-1 presents information about sample collection numbers, specific laboratory methods, and reporting limits.

3.1.1 Sampling Activities

Representative soil, dust, wipe, water faucet, and lead-based paint samples were collected at each designated location. To accomplish this the following sampling was conducted:

- Collected two, five-point composite soil samples from each residence, one from the front yard and one from the back yard for lead determination.
- Collected a maximum of three indoor dust samples from each residence using vacuum sampling techniques for lead determination.
- Collected a maximum of three indoor wipe samples adjacent to the dust sample location for lead determination.
- Inspected and tested for lead-based paint in residences using a Niton XRF and paint chip sampling.
- Inspected plumbing for lead pipes and collected a minimum of two water faucet samples for lead determination.

3.1.1.1 Soil Sampling

Two five-point composite soil samples (one sample each from the front and back yards) were collected at approximately 0 to 2 centimeters (cm) below ground surface (bgs) from 30 residences. Five-point composite samples were collected from the front yard and the back yard of each selected property. Some properties did not have a back yard; therefore, only front yard samples were collected. Each composite sample was collected using plastic scoops in dedicated plastic Ziploc bags, homogenized, and then transferred into two precleaned, laboratory-approved 4-ounce jars. For each composite pair, one sample was sieved by the laboratory through a 250 micron sieve; the other sample pair was not sieved. The samples were analyzed for total lead.

3.1.1.2 Indoor Dust Sampling

START-2 collected a maximum of three indoor dust samples per residence. The dust samples were collected using a high-volume surface sampler (HVS3) in accordance with ASTM Designation: D5438-00 “Standard Collection Method of Floor Dust for Chemical Analysis”. The dust samples were collected from high traffic, carpeted rooms and floor rugs. In homes with no carpet or rugs, the bare floors were vacuumed. Homeowners were instructed to refrain from vacuuming their homes prior to the test day; however, in several instances homeowners had recently cleaned their homes. Particulate matter was withdrawn from the carpet or bare floor by means of flowing air stream passing through a sampling nozzle at a specific velocity and flow rate. The dust and particulate matter was separated mechanically by a cyclone and collected into dedicated sample containers. The samples were labeled and shipped daily to Armstrong Laboratory in Arlington, Texas for lead determination. Analytical results are presented in Section 4.2 in both milligrams per kilogram and micrograms per square foot. The HVS3 sampling unit was decontaminated, calibrated, and pretested as described in the QASP. A calibration certificate was provided by the manufacturer and is included in Appendix A.

3.1.1.3 Wipe Sampling

START-2 collected three indoor wipe samples per residence. The wipe samples were collected in accordance with EPA/ERT SOP 2011 for “Chip, Wipe and Sweep Sampling”. Wipe samples were collected from flat surfaces using a 1-foot by 1-foot square disposable template. The surface was wiped using a sterile gauze pad in vertical strokes, then folded in half and wiped horizontally, and finally folded in thirds and wiped vertically again. The wipe was then labeled and packaged in a precleaned laboratory-approved container for shipment to the laboratory. The surface wipe was used for QA purposes, and most samples were collected adjacent to the dust samples that were collected using the HVS3 unit. Analytical results for wipe samples as presented in Section 4.3 were reported in micrograms per square foot.

3.1.1.4 Plumbing Inspection and Water Sampling

As part of the assessment activities, START-2 and the certified lead inspector conducted the inspection of the plumbing systems and collected two water faucet samples for lead determination at each residence designated by EPA. Homeowners were notified to refrain from using the faucet for 24 hours prior to the inspection and sampling event. However, some homeowners did not refrain from using their faucets. The approximate time the faucet had last been used was noted in the logbook. The plumbing inspections were conducted to determine the presence of lead piping within the respective residence. A visual inspection of the piping was conducted to determine the presence of lead or copper piping and the potential presence of lead solder. Lead piping and solder were field-screened using a colorimetric procedure (HybriVet Lead Check™ Test Kit). In the colorimetric procedure, a swab is rubbed over the material of interest, and a pink color forms from reagents placed on the swab when lead is present. Following the plumbing inspection, START-2 collected two, 1-liter water samples per home from the kitchen faucet or other source designated by EPA. The first or initial water sample was collected immediately after the valve was opened in an effort to collect static water from within the pipes. The second sample was collected approximately 30 seconds after the pipes were flushed. The samples were collected in appropriate sample containers, labeled, and placed in a cooler with ice prior to shipment to the laboratory. Samples were collected according to EPA's ERT SOP No. 2001 "General Field Sampling Guidelines".

3.1.1.5 Lead-Based Paint Testing and Sampling

A START-2 accredited and state-licensed Lead Risk Assessor conducted lead-based paint surveys of each residence selected by EPA. The lead-based paint inspections were conducted to determine the presence and location of lead-based paint in the residence. The inspection included an inventory of the visible painted surfaces and of peeling paint surfaces inside the residence. The selection of the test location for a specific testing combination was representative of the paint over the areas that were most likely to be coated with suspect lead-based coatings.

A lead-based paint inspection and test was performed in the field utilizing a Niton XL 309 Series X-ray Fluorescence (XRF) Spectrum Analyzer, with a Cadmium¹⁰⁹ source. START-2 performed Niton calibration validation checks using NIST SRM #2579 at the beginning of the inspection, approximately every 2 hours, and/or at the end of the inspection. Copies of a Niton calibration validation data sheet are included in Appendix A.

This instrument provides an almost instantaneous measurement of lead content of the material being tested in milligrams per square centimeter (mg/cm²). The serial number for the Niton XRF used during the inspection is U1824NR2250. This Niton utilizes software version 5.3, and has an assay date of August 2001. START-2 referenced the EPA ERT SOP No. 1713, “Spectrace 9000 Field Portable X-Ray Fluorescence Operating Procedures”, which is equivalent to the Niton XL-309.

The Niton XL-309 provided an initial determination for the presence or absence of lead-based paint in a home. When the Niton XL-309 suggested the presence of lead-based paint, START-2 collected paint chip samples for laboratory confirmation analysis of lead. A sample of paint from an area of 1.25 by 1.25 inches was removed from a surface using tools such as chisels and/or scrapers. In homes determined to be free of lead paint, one paint sample was collected for negative confirmation purposes. The layers of paint in the sampled area were included in the sample. The Niton XL-309 was then placed over the scraped area to determine if all of the lead paint had been completely removed. Each paint chip sample was placed in a sample jar, and labeled prior to transport to Armstrong Laboratory for testing. Lead-based paint chip samples were collected following EPA/ERT SOP No. 2011 “Chip, Wipe, and Sweep Sampling”. START-2 repaired the area from which the paint sample was removed.

3.2 FIELD QC SAMPLES

During residential sampling activities, field QC samples were periodically collected. The two types of field QC samples that were collected were equipment rinsate blanks and blind field duplicates. These two types of samples were collected and analyzed as described in Table 3-1.

Equipment rinsate blanks identify any potential systematic lead contamination present in the HVS3 and ensure the proper decontamination of the unit. An equipment rinsate blank was collected after a thorough cleaning of the instrument using methanol for approximately 1 of every 20 samples submitted. ASTM D5438-00 does not specify any QC requirements for this method of dust sampling. The equipment rinsate blank was collected by pouring laboratory-grade deionized water through the cyclone, cone, and nozzle of the HVS3 unit. The water sample was collected in a 1-liter plastic bottle.

Blind field duplicate samples were collected for water, dust, wipe, soil, and lead-based paint samples. The blind field duplicate sample is used to ensure laboratory consistency and accuracy. For water, dust, and wipe samples, blind field duplicates were collected at the rate of 1 per 20 samples submitted. For lead-based paint samples, blind duplicates were collected at the rate of 1 per 10. A total of 10 blind field duplicate soil samples were collected during the field activities as described in Table 3-1. The data obtained from these samples was used to assist in the quality assurance of the sampling procedures and laboratory analytical data by allowing an evaluation of reproducibility of results.

Table 3-1

Sample Collection and Laboratory Analysis Summary

Sample Type	Number of Samples/QA Samples	Analyte	Analytical Method	Reporting Limit
Soil ¹	60/5	Lead	EPA Method 6010B	200 mg/Kg
Indoor Dust ²	66/8	Lead	EPA Method 6010B	0.16 mg/ ft ²
Water Faucet ³	60/4	Lead	EPA Method 200.9	0.001mg/L
Lead-based Paint ⁴	44/4	Lead	EPA Method 6010B	0.3 mg/ft ²
Wipe Samples ⁵	88/4	Lead	EPA Method 6010B	0.2 µg/ft ²

¹ Soil field duplicate samples were collected at a rate of 1 per 12 samples collected.

² Indoor dust QC samples consisted of four equipment rinsate blanks and four field duplicate samples.

³ Water faucet field duplicate samples were collected at a rate of 1 per 15 samples collected.

⁴ Lead-based paint field duplicate samples were collected at a rate of 1 per 10 samples collected.

⁵ Wipe field duplicate samples were collected at a rate of 1 per 20 samples collected.

4. SUMMARY OF ANALYTICAL RESULTS

Soil, dust, wipe, water faucet, and paint chip samples collected during the assessment were shipped to the designated laboratory recognized by the EPA National Lead Laboratory Accreditation Program (NLLAP) and analyzed for lead by EPA Method 6010B (except for water samples). Water faucet samples were analyzed by EPA Method 200.9.

4.1 SOIL SAMPLE RESULTS

A total of 60 soil samples were collected from 30 properties and analyzed for total lead by EPA Method 6010B. A portion of each soil sample was sieved through a 250-micron sieve prior to analysis. The remaining portion of each sample was analyzed without sieving. The laboratory analytical results for the sieved soil samples are summarized in Table 4-1. The analytical results for the unsieved soil samples are summarized in Table 4-2. Tables 4-1 and 4-2 include a brief description of the vegetation in each yard and if pets were present at the home. Elevated lead concentrations from the sieved soil samples ranged from 518 mg/Kg to 1,130 mg/Kg. Elevated lead concentrations from the unsieved soil samples ranged from 508 mg/Kg to 1,040 mg/Kg. Sixteen of the sieved soil and 11 of the unsieved soil samples had lead concentrations above the EPA Region 6 soil screening level of 500 mg/Kg. Ten of the 30 properties sampled had lead concentrations in the soil above the action level.

4.2 VACUUM DUST RESULTS

A total of 66 dust samples were collected from 30 properties and analyzed for total lead by EPA Method 6010B. All of the samples were sieved through a 250-micron sieve prior to analysis. Twenty percent of the samples were analyzed for lead in both the coarse (greater than 250-micron) and the fine (less than 250-micron) particle sizes. The laboratory analytical results for the sieved dust samples are summarized in Table 4-3 and the unsieved are summarized in Table 4-4. Thirty-five of the 66 sieved dust samples had elevated lead concentrations in the dust greater than of 40 micrograms per square foot, the Toxic Substance Control Act (TSCA) Residential Lead Standard screening level. Elevated lead concentrations of sieved dust samples

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ranged from 42.4 micrograms per square foot ($\mu\text{g}/\text{ft}^2$) to 2,960 $\mu\text{g}/\text{ft}^2$. Elevated lead concentrations of unsieved dust samples ranged from 46.6 $\mu\text{g}/\text{ft}^2$ to 3,060 $\mu\text{g}/\text{ft}^2$. Twenty of the 30 properties sampled had lead concentrations in dust above the action level.

4.3 WIPE SAMPLE RESULTS

A total of 88 wipe samples were collected from 30 properties and analyzed for total lead by EPA Method 6010B. The laboratory analytical results for the wipe samples are summarized in Table 5-5. No elevated lead concentrations were identified during the wipe sampling event above the TSCA Residential Lead Standard screening level of 40 $\mu\text{g}/\text{ft}^2$.

4.4 WATER SAMPLE RESULTS

A total of 60 water samples were collected from 30 properties and analyzed for total lead by EPA Method 200.9. The analytical results for the water samples are summarized in Table 4-6. Homeowners had been instructed to refrain from using one faucet in their home for 24 hours prior to sampling. Four homeowners did not refrain from using the faucet within 24 hours of sampling. Sixteen of the 60 water samples collected had elevated concentrations of lead in the drinking water above the State of Texas Drinking Water Standard of 1 microgram per liter ($\mu\text{g}/\text{L}$). Of the 16 elevated water samples, 10 came from first draw samples and 6 came from flush water samples. Elevated drinking water results ranged from 1.0 $\mu\text{g}/\text{L}$ to 5.4 $\mu\text{g}/\text{L}$. The 16 elevated water samples were collected from 12 properties.

4.5 COLORIMETRIC LEAD ALERT RESULTS

A total of 36 colorimetric lead alert kits were used to determine the presence of lead pipes. The result of the colorimetric testing is summarized in Table 4-7. Fifteen of the 30 homes sampled tested positive for the presence of lead pipes using the colorimetric test kits. Ten of those homes had lead concentrations in water that exceeded the State of Texas Drinking Water Standard.

4.6 PAINT CHIP RESULTS

A total of 44 paint chip samples were collected from 30 homes and analyzed for total lead by EPA Method 6010B. The Texas Department of Health (TDH) and the EPA define lead-based paint as paint with a concentration of lead that is equal to or greater than 0.5 percent by weight, which is equivalent to 5,000 milligrams of lead per kilogram of sample (mg/kg), or 1,000 $\mu\text{g}/\text{cm}^2$ by area. The laboratory analytical results for the paint chip samples are summarized in Table 4-8 and are reported in both mg/Kg and micrograms per square centimeter ($\mu\text{g}/\text{cm}^2$). Elevated paint chip results range from 20,700 mg/Kg to 537,000 mg/Kg and 1,190 $\mu\text{g}/\text{cm}^2$ to 55,900 $\mu\text{g}/\text{cm}^2$. Elevated lead concentrations in paint were identified in 27 of 30 homes.

4.7 NITON XRF PAINT TESTS

On average, over 100 XRF tests were conducted per home, depending upon the size of the property. The results of the XRF screening are summarized in Appendix D. The Texas Department of Health (TDH) defines lead-based paint as coatings where the concentration of lead is equal to or exceeds 1.0 milligram of lead per square centimeter of surface area ($1.0 \text{ mg}/\text{cm}^2$), when tested by XRF. The EPA has similarly defined lead-based paint as coatings where the concentration of lead is equal to or exceeds $1.0 \text{ mg}/\text{cm}^2$, when tested by XRF.

Two of the 30 homes screened using the XRF had negative lead results for the interior and exterior paint; the remaining 28 had positive results in at least one room of the house. Of the 28 that had positive results, 17 were considered potential lead hazards due to peeling paint conditions. The majority of lead-based paint hazards are from window sills, doors, door frames, and baseboards.

Table 4-1
Lead Results for Sieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
1	A0001I-67B-2-00	A40257A-013A	1/24/2004	422	JL	Back Yard Surface	Sparse	Present	Sunset
1	A0001I-67F-2-00	A40257A-015A	1/24/2004	752	JL	Front Yard Surface	Sparse	Present	Sunset
2	A0002I-67B-2-00	A40257A-052A	1/24/2004	137	JL	Back Yard Surface	None	Present	Rio Grande
2	A0002I-67F-2-00	A40257A-054A	1/24/2004	215	JL	Front Yard Surface	None	Present	Rio Grande
3	A0003I-67B-2-00	A40257A-066A	1/25/2004	518	JL	Back Yard Surface	Sparse	Absent	Rio Grande
3	A0003I-67F-2-00	A40257A-068A	1/25/2004	263	JL	Front Yard Surface	Sparse	Absent	Rio Grande
4	A0004I-67B-2-00	A40257A-078A	1/25/2004	398	JL	Back Yard Surface	Moderate	Absent	Rio Grande
4	A0004I-67F-2-00	A40257A-080A	1/25/2004	450	JL	Front Yard Surface	Moderate	Absent	Rio Grande
5	A0005I-67B-2-00	A40257A-106A	1/25/2004	205	JL	Back Yard Surface	Heavy	Present	Kern Place
5	A0005I-67F-2-00	A40257A-108A	1/25/2004	492	JL	Front Yard Surface	Heavy	Present	Kern Place
5	A0005I-67L-2-00	A40257A-110A	1/25/2004	360		Left Yard Surface	Heavy	Present	Kern Place
6	A0006I-67B-2-00	A40257A-092A	1/26/2004	294	JL	Back Yard Surface	Heavy	Absent	Rio Grande
6	A0006I-67F-2-00	A40257A-094A	1/26/2004	642	JL	Front Yard Surface	Heavy	Absent	Rio Grande
7	A0007I-672F-2-00	A40274A-027A	1/27/2004	526		Front Yard Surface	Sparse	Present	Rio Grande
7	A0007I-67B-2-00	A40274A-029A	1/27/2004	559		Back Yard Surface	Sparse	Present	Rio Grande
7	A0007I-67F-2-00	A40274A-031A	1/27/2004	465		Front Yard Surface	Sparse	Present	Rio Grande
8	A0008I-67B-2-00	A40274A-043A	1/27/2004	10	U	Back Yard Surface	Moderate	Present	Kern Place
8	A0008I-67F-2-00	A40274A-045A	1/27/2004	478		Front Yard Surface	Moderate	Present	Kern Place
9	A0009I-67B-2-00	A40274A-054A	1/27/2004	270	JK	Back Yard Surface	Sparse	Absent	Rio Grande
9	A0009I-67F-2-00	A40274A-056A	1/27/2004	463		Front Yard Surface	Sparse	Absent	Rio Grande

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Table 4-1 (Continued)
Lead Results for Sieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
10	A0010I-67F1-2-00	A40257A-038A	1/28/2004	375	JL	Front Yard 1 Surface	Moderate	Absent	Rio Grande
10	A0010I-67F2-2-00	A40257A-040A	1/28/2004	465	JL	Front Yard 2 Surface	Moderate	Absent	Rio Grande
11	A0011I-67B-2-00	A40291A-025A	1/28/2004	485		Back Yard Surface	Heavy	Absent	Sunset
11	A0011I-67F-2-00	A40291A-027A	1/28/2004	371		Front Yard Surface	Heavy	Absent	Sunset
12	A0012I-67B-2-00	A40274A-010A	1/28/2004	719		Back Yard Surface	Gravel	Present	Sunset
12	A0012I-67F-2-00	A40274A-012A	1/28/2004	1,130	J	Front Yard Surface	Gravel	Present	Sunset
13	A0013I-67B-2-00	A40291A-011A	1/29/2004	538		Back Yard Surface	Heavy	Absent	Sunset
13	A0013I-67F-2-00	A40291A-013A	1/29/2004	416		Front Yard Surface	Heavy	Absent	Sunset
14	A0014I-67B-2-00	A40316A-009A	1/29/2004	252		Back Yard Surface	None	Absent	Kern Place
14	A0014I-67F-2-00	A40316A-011A	1/29/2004	345		Front Yard Surface	None	Absent	Kern Place
15	A0015I-67F-2-00	A40316A-019A	1/30/2004	350		Front Yard Surface	None	Absent	Rio Grande
16	A0016I-672B-2-00	A40332A-043A	1/31/2004	533	JH	Back Yard Surface	Heavy	Present	Kern Place
16	A0016I-672F-2-00	A40332A-045A	1/31/2004	678	JH	Front Yard Surface	Heavy	Present	Kern Place
16	A0016I-67B-2-00	A40332A-047A	1/31/2004	506	JH	Back Yard Surface	Heavy	Present	Kern Place
16	A0016I-67F-2-00	A40332A-049A	1/31/2004	720	JH	Front Yard Surface	Heavy	Present	Kern Place
17	A0017I-67B-2-00	A40332A-059A	1/31/2004	288	JH	Back Yard Surface	Heavy	Absent	Kern Place
17	A0017I-67F-2-00	A40332A-061A	1/31/2004	825	JH	Front Yard Surface	Heavy	Absent	Kern Place
18	A0018I-67B-2-00	A40332A-025A	2/2/2004	438	JH	Back Yard Surface	Moderate	Absent	Sunset
18	A0018I-67F-2-00	A40332A-027A	2/2/2004	558	JH	Front Yard Surface	Moderate	Absent	Sunset
19	A0019I-67B-2-00	A40332A-009A	2/2/2004	301	JH	Back Yard Surface	Moderate	Present	Kern Place

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Table 4-1 (Continued)
Lead Results for Sieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
19	A0019I-67F-2-00	A40332A-011A	2/2/2004	35	JH	Front Yard Surface	Moderate	Present	Kern Place
20	A0020I-672B-2-00	A40353A-021A	2/3/2004	487		Back Yard Surface	Moderate	Present	Sunset
20	A0020I-672F-2-00	A40353A-023A	2/3/2004	644		Front Yard Surface	Moderate	Present	Sunset
20	A0020I-67B-2-00	A40353A-025A	2/3/2004	491		Back Yard Surface	Moderate	Present	Sunset
20	A0020I-67F-2-00	A40353A-027A	2/3/2004	608		Front Yard Surface	Moderate	Present	Sunset
21	A0021I-67B-2-00	A40257A-025A	1/25/2004	284	JL	Back Yard Surface	Sparse	Absent	Segundo Barrio
21	A0021I-67F-2-00	A40257A-027A	1/25/2004	159	JL	Front Yard Surface	Sparse	Absent	Segundo Barrio
22	A0022I-67B-2-00	A40353A-037A	2/4/2004	315		Back Yard Surface	Gravel	Present	Segundo Barrio
22	A0022I-67F-2-00	A40353A-039A	2/4/2004	231		Front Yard Surface	Gravel	Present	Segundo Barrio
23	A0023I-67F-2-00	A40353A-009A	2/4/2004	192		Front Yard Surface	Sparse	Absent	Chihuahuita
24	A0024I-67B-2-00	A40391A-028A	2/5/2004	304		Back Yard Surface	Moderate	Absent	Kern Place
24	A0024I-67F-2-00	A40391A-030A	2/5/2004	205		Front Yard Surface	Moderate	Absent	Kern Place
25	A0025I-67B-2-00	A40391A-013A	2/5/2004	399		Back Yard Surface	Sparse	Absent	Sunset
25	A0025I-67F-2-00	A40391A-015A	2/5/2004	404		Front Yard Surface	Sparse	Absent	Sunset
26	A0026I-67B-2-00	A40430A-064A	2/6/2004	186		Back Yard Surface	Gravel	Absent	Rio Grande
26	A0026I-67F-2-00	A40430A-066A	2/6/2004	362		Front Yard Surface	Gravel	Absent	Rio Grande
27	A0027I-67B-2-00	A40430A-051A	2/7/2004	275		Back Yard Surface	Moderate	Absent	Sunset
27	A0027I-67F-2-00	A40430A-053A	2/7/2004	437		Front Yard Surface	Moderate	Absent	Sunset
28	A0028I-67B-2-00	A40430A-038A	2/7/2004	178		Back Yard Surface	Moderate	Absent	Rio Grande
28	A0028I-67F-2-00	A40430A-040A	2/7/2004	322		Front Yard Surface	Moderate	Absent	Rio Grande

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Table 4-1 (Continued)
Lead Results for Sieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
29	A0029I-67B-2-00	A40430A-025A	2/7/2004	165		Back Yard Surface	Heavy	Absent	Kern Place
29	A0029I-67F-2-00	A40430A-027A	2/7/2004	338		Front Yard Surface	Heavy	Absent	Kern Place
30	A0030I-67B-2-00	A40430A-012A	2/8/2004	370		Back Yard Surface	Gravel	Absent	Sunset
30	A0030I-67F-2-00	A40430A-014A	2/8/2004	438		Front Yard Surface	Gravel	Absent	Sunset
Note: Highlighted values exceed action level for soil (500 mg/Kg, EPA Region 6 Lead Screening Level)									
The samples were analyzed by EPA Method 6010B.									

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Table 4-2
Lead Results for Unsieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
1	A0001I-67B-1-00	A40257A-012A	1/24/2004	351	JH	Back Yard Surface	Sparse	Present	Sunset
1	A0001I-67F-1-00	A40257A-014A	1/24/2004	826	JH	Front Yard Surface	Sparse	Present	Sunset
2	A0002I-67B-1-00	A40257A-051A	1/24/2004	130	JH	Back Yard Surface	None	Present	Rio Grande
2	A0002I-67F-1-00	A40257A-053A	1/24/2004	204	JH	Front Yard Surface	None	Present	Rio Grande
3	A0003I-67B-1-00	A40257A-065A	1/25/2004	711	JH	Back Yard Surface	Sparse	Absent	Rio Grande
3	A0003I-67F-1-00	A40257A-067A	1/25/2004	250	JH	Front Yard Surface	Sparse	Absent	Rio Grande
4	A0004I-67B-1-00	A40257A-077A	1/25/2004	459		Back Yard Surface	Moderate	Absent	Rio Grande
4	A0004I-67F-1-00	A40257A-079A	1/25/2004	508		Front Yard Surface	Moderate	Absent	Rio Grande
5	A0005I-67B-1-00	A40257A-105A	1/25/2004	189		Back Yard Surface	Heavy	Present	Kern Place
5	A0005I-67F-1-00	A40257A-107A	1/25/2004	463		Front Yard Surface	Heavy	Present	Kern Place
5	A0005I-67L-1-00	A40257A-109A	1/25/2004	357		Left Yard Surface	Heavy	Present	Kern Place
6	A0006I-67B-1-00	A40257A-091A	1/26/2004	270		Back Yard Surface	Heavy	Absent	Rio Grande
6	A0006I-67F-1-00	A40257A-093A	1/26/2004	628		Front Yard Surface	Heavy	Absent	Rio Grande
7	A0007I-67B-1-00	A40274A-028A	1/27/2004	408	JK	Back Yard Surface	Sparse	Present	Rio Grande
7	A0007I-672F-1-00	A40274A-026A	1/27/2004	409	JK	Front Yard Surface	Sparse	Present	Rio Grande
7	A0007I-67F-1-00	A40274A-030A	1/27/2004	381	JK	Front Yard Surface	Sparse	Present	Rio Grande
8	A0008I-67B-1-00	A40274A-042A	1/27/2004	1,040	JK	Back Yard Surface	Moderate	Present	Kern Place
8	A0008I-67F-1-00	A40274A-044A	1/27/2004	477	JK	Front Yard Surface	Moderate	Present	Kern Place
9	A0009I-67B-1-00	A40274A-053A	1/27/2004	189	JK	Back Yard Surface	Sparse	Absent	Rio Grande

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Table 4-2 (Continued)
Lead Results for Unsieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
9	A0009I-67F-1-00	A40274A-055A	1/27/2004	485	JK	Front Yard Surface	Sparse	Absent	Rio Grande
10	A0010I-67F1-1-00	A40257A-037A	1/28/2004	435	JH	Front Yard 1 Surface	Moderate	Absent	Rio Grande
10	A0010I-67F2-1-00	A40257A-039A	1/28/2004	487	JH	Front Yard 2 Surface	Moderate	Absent	Rio Grande
11	A0011I-67B-1-00	A40291A-024A	1/28/2004	422		Back Yard Surface	Heavy	Absent	Sunset
11	A0011I-67F-1-00	A40291A-026A	1/28/2004	408		Front Yard Surface	Heavy	Absent	Sunset
12	A0012I-67B-1-00	A40274A-009A	1/28/2004	334	JL	Back Yard Surface	Gravel	Present	Sunset
12	A0012I-67F-1-00	A40274A-011A	1/28/2004	960	JL	Front Yard Surface	Gravel	Present	Sunset
13	A0013I-67B-1-00	A40291A-010A	1/29/2004	373		Back Yard Surface	Heavy	Absent	Sunset
13	A0013I-67F-1-00	A40291A-012A	1/29/2004	491		Front Yard Surface	Heavy	Absent	Sunset
14	A0014I-67B-1-00	A40316A-008A	1/29/2004	212		Back Yard Surface	None	Absent	Kern Place
14	A0014I-67F-1-00	A40316A-010A	1/29/2004	283		Front Yard Surface	None	Absent	Kern Place
15	A0015I-67F-1-00	A40316A-018A	1/30/2004	492		Front Yard Surface	None	Absent	Rio Grande
16	A0016I-672B-1-00	A40332A-042A	1/31/2004	429	JH	Back Yard Surface	Heavy	Present	Kern Place
16	A0016I-67B-1-00	A40332A-046A	1/31/2004	425	JH	Back Yard Surface	Heavy	Present	Kern Place
16	A0016I-672F-1-00	A40332A-044A	1/31/2004	536	JH	Front Yard Surface	Heavy	Present	Kern Place
16	A0016I-67F-1-00	A40332A-048A	1/31/2004	350	JH	Front Yard Surface	Heavy	Present	Kern Place
17	A0017I-67B-1-00	A40332A-058A	1/31/2004	178	JH	Back Yard Surface	Heavy	Absent	Kern Place
17	A0017I-67F-1-00	A40332A-060A	1/31/2004	597	JH	Front Yard Surface	Heavy	Absent	Kern Place
18	A0018I-67B-1-00	A40332A-024A	2/2/2004	299	JH	Back Yard Surface	Moderate	Absent	Sunset

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Table 4-2 (Continued)
Lead Results for Unsieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
18	A0018I-67F-1-00	A40332A-026A	2/2/2004	512	JH	Front Yard Surface	Moderate	Absent	Sunset
19	A0019I-67B-1-00	A40332A-008A	2/2/2004	347	JH	Back Yard Surface	Moderate	Present	Kern Place
19	A0019I-67F-1-00	A40332A-010A	2/2/2004	25	JH	Front Yard Surface	Moderate	Present	Kern Place
20	A0020I-672B-1-00	A40353A-020A	2/3/2004	378		Back Yard Surface	Moderate	Present	Sunset
20	A0020I-67B-1-00	A40353A-024A	2/3/2004	356		Back Yard Surface	Moderate	Present	Sunset
20	A0020I-672F-1-00	A40353A-022A	2/3/2004	607		Front Yard Surface	Moderate	Present	Sunset
20	A0020I-67F-1-00	A40353A-026A	2/3/2004	636		Front Yard Surface	Moderate	Present	Sunset
21	A0021I-67B-1-00	A40257A-024A	1/25/2004	238	JH	Back Yard Surface	Sparse	Absent	Segundo Barrio
21	A0021I-67F-1-00	A40257A-026A	1/25/2004	133	JH	Front Yard Surface	Sparse	Absent	Segundo Barrio
22	A0022I-67B-1-00	A40353A-036A	2/4/2004	294		Back Yard Surface	Gravel	Present	Segundo Barrio
22	A0022I-67F-1-00	A40353A-038A	2/4/2004	154		Front Yard Surface	Gravel	Present	Segundo Barrio
23	A0023I-67F-1-00	A40353A-008A	2/4/2004	168		Front Yard Surface	Sparse	Absent	Chihuahuita
24	A0024I-67B-1-00	A40391A-027A	2/5/2004	244		Back Yard Surface	Moderate	Absent	Kern Place
24	A0024I-67F-1-00	A40391A-029A	2/5/2004	163		Front Yard Surface	Moderate	Absent	Kern Place
25	A0025I-67B-1-00	A40391A-012A	2/5/2004	385		Back Yard Surface	Sparse	Absent	Sunset
25	A0025I-67F-1-00	A40391A-014A	2/5/2004	494		Front Yard Surface	Sparse	Absent	Sunset
26	A0026I-67B-1-00	A40430A-063A	2/6/2004	204		Back Yard Surface	Gravel	Absent	Rio Grande
26	A0026I-67F-1-00	A40430A-065A	2/6/2004	364		Front Yard Surface	Gravel	Absent	Rio Grande
27	A0027I-67B-1-00	A40430A-050A	2/7/2004	188		Back Yard Surface	Moderate	Absent	Sunset

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Table 4-2 (Continued)
Lead Results for Unsieved Soil Samples (mg/Kg)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description	Vegetation Type	Pets	Neighborhood
27	A0027I-67F-1-00	A40430A-052A	2/7/2004	277		Front Yard Surface	Moderate	Absent	Sunset
28	A0028I-67B-1-00	A40430A-037A	2/7/2004	148		Back Yard Surface	Moderate	Absent	Rio Grande
28	A0028I-67F-1-00	A40430A-039A	2/7/2004	347		Front Yard Surface	Moderate	Absent	Rio Grande
29	A0029I-67B-1-00	A40430A-024A	2/7/2004	149		Back Yard Surface	Heavy	Absent	Kern Place
29	A0029I-67F-1-00	A40430A-026A	2/7/2004	353		Front Yard Surface	Heavy	Absent	Kern Place
30	A0030I-67B-1-00	A40430A-011A	2/8/2004	235		Back Yard Surface	Gravel	Absent	Sunset
30	A0030I-67F-1-00	A40430A-013A	2/8/2004	331		Front Yard Surface	Gravel	Absent	Sunset
Note: Highlighted values exceed action level for soil (500 mg/Kg, EPA Region 6 Lead Screening Level)									
The samples were analyzed by EPA Method 6010B.									

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Table 4-3

Lead Results for Sieved Dust Samples (mg/Kg and µg/ft²)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
1	A0001I-642-FR	A40257A-003A	1/24/2004	442.08	318.0		vinyl and carpet	Family Room
1	A0001I-64-BR1	A40257A-004A	1/24/2004	309.25	2,960.0		carpet	Bedroom 1
1	A0001I-64-BR2	A40257A-005A	1/24/2004	428.44	1,250.0		carpet	Bedroom 2
1	A0001I-64-FR	A40257A-006A	1/24/2004	330.68	265.0		vinyl and carpet	Family Room
2	A0002I-64-BR1	A40257A-043A	1/24/2004	22.63	18.3	JL	carpet	Bedroom 1
2	A0002I-64-FR	A40257A-044A	1/24/2004	21.99	20.9	JL	carpet	Family Room
2	A0002I-64-LDR	A40257A-045A	1/24/2004	60.58	56.8	JL	carpet	Laundry room
3	A0003I-64-BR1	A40257A-057A	1/25/2004	100.95	109.0	JL	carpet	Bedroom 1
3	A0003I-64-BR2	A40257A-058A	1/25/2004	188.39	91.3	JL	carpet	Bedroom 2
3	A0003I-64-FR	A40257A-059A	1/25/2004	189.15	785.0	JL	carpet	Family Room
4	A0004I-64-DR	A40257A-071A	1/25/2004	379.48	53.7	JL	vinyl	Dining Room
4	A0004I-64-KC	A40257A-072A	1/25/2004	248.69	13.3	JL	vinyl	Kitchen
5	A0005I-64-BR1	A40257A-097A	1/25/2004	273.08	87.9	JL	carpet	Bedroom 1
5	A0005I-64-BR2/BR3	A40257A-098A	1/25/2004	91.26	8.8	JL	rugs	Bedroom 2 and 3
5	A0005I-64-FR	A40257A-099A	1/25/2004	124.17	23.6	JL	carpet	Family Room
6	A0006I-64-BR1	A40257A-083A	1/26/2004	119.09	16.5	JL	carpet	Bedroom 1
6	A0006I-64-BR3	A40257A-084A	1/26/2004	80.21	18.9	JL	carpet	Bedroom 3
6	A0006I-64-PR	A40257A-085A	1/26/2004	176.28	52.2	JL	carpet	Play Room
7	A0007I-64-BR1/BR2	A40274A-017A	1/27/2004	183.16	5.9		hardwood	Bedroom 1 and 2

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Table 4-3 (Continued)**Lead Results for Sieved Dust Samples (mg/Kg and µg/ft²)**

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
7	A0007I-64-LR	A40274A-018A	1/27/2004	433.98	264.0		rug	Living Room
8	A0008I-64-BR1	A40274A-035A	1/27/2004	338.65	90.5		carpet	Bedroom 1
8	A0008I-64-BR2	A40274A-036A	1/27/2004	397.00	27.5		carpet	Bedroom 2
8	A0008I-64-FR	A40274A-037A	1/27/2004	233.11	34.6		rug	Family Room
9	A0009I-64-BR2	A40274A-048A	1/27/2004	130.22	200.0		rug	Bedroom 2
10	A0010I-64-BR2	A40257A-028A	1/28/2004	318.39	94.0	JL	rug	Bedroom 2
10	A0010I-64-FR	A40257A-029A	1/28/2004	398.36	129.0	JL	rug	Family Room
10	A0010I-64-HW	A40257A-030A	1/28/2004	4,841.40	2,040.0	JL	rug	Hall Way
11	A0011I-64-BR2	A40291A-016A	1/28/2004	61.83	61.3		carpet	Bedroom 2
11	A0011I-64-BR3	A40291A-017A	1/28/2004	95.22	22.8		carpet	Bedroom 3
11	A0011I-64-LR2	A40291A-018A	1/28/2004	148.39	95.8		carpet	Living Room 2
12	A0012I-64-BR1	A40274A-003A	1/28/2004	191.72	48.9		rug	Bedroom 1
12	A0012I-64-BR2	A40274A-004A	1/28/2004	173.85	44.7		carpet	Bedroom 2
13	A0013I-64-BR3	A40291A-003A	1/29/2004	136.19	128.0		carpet	Bedroom 3
13	A0013I-64-FR	A40291A-004A	1/29/2004	156.60	24.4		carpet	Family Room
13	A0013I-64-LR	A40291A-005A	1/29/2004	129.65	14.2		carpet	Living Room
14	A0014I-64-BR1/OF/LR	A40316A-003A	1/29/2004	189.85	9.4		carpet	Bedroom 1, Office, and Living Room
15	A0015I-64-LR	A40316A-014A	1/30/2004	114.22	140.0		carpet	Living Room
16	A0016I-642-BR1/OF	A40332B-032A	1/31/2004	401.07	47.8		rug	Bedroom 1, and Office

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Table 4-3 (Continued)

Lead Results for Sieved Dust Samples (mg/Kg and $\mu\text{g}/\text{ft}^2$)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result ($\mu\text{g}/\text{ft}^2$)	Validation Flag	Surface Description	Sample Description
16	A0016I-64-BR1/OF	A40332B-034A	1/31/2004	391.04	43.7		rug	Bedroom 1, and Office
16	A0016I-64-LR	A40332B-035A	1/31/2004	352.68	108.0		rug	Living Room
17	A0017I-64-LR/BR3/BR2/FR	A40332B-052A	1/31/2004	217.49	9.4		rug	Living Room, Bedroom 2 and 3, and Family Room
18	A0018I-64-BR1/DR	A40332B-014A	2/2/2004	340.30	10.7		rugs	Bedroom 1, and Dining Room
18	A0018I-64-BR3/BR2	A40332B-015A	2/2/2004	287.04	6.5		rug	Bedroom 2 and 3
18	A0018I-64-LR	A40332B-016A	2/2/2004	301.28	17.2		rug	Living Room
19	A0019I-64-LR/OF/KC/DR/BR1	A40332B-003A	2/2/2004	153.85	0.9		rugs	Living Room, Office, Kitchen, Dining Room, and Bedroom 1
20	A0020I-642-BR5	A40353A-012A	2/3/2004	197.02	7.2		carpet	Bedroom 5
20	A0020I-64-BR5	A40353A-013A	2/3/2004	176.30	8.9		carpet	Bedroom 5
20	A0020I-64-HW/BR1	A40353A-014A	2/3/2004	200.23	7.7		rugs	Hall Way, and Bedroom 1
20	A0020I-64-LR	A40353A-015A	2/3/2004	241.43	75.7		rug	Living Room
21	A0021I-64-2-FR	A40257A-018A	1/25/2004	67.18	1.8	JL	vinyl	Family Room
22	A0022I-64-BR2/BR3	A40353A-030A	2/4/2004	200.86	5.7		carpet	Bedroom 2 and 3
22	A0022I-64-LR/BR1	A40353A-031A	2/4/2004	171.36	8.5		rug and vinyl	Living Room, and Bedroom 1
23	A0023I-64-LR/BR1/BR2/KC/LDR	A40353A-003A	2/4/2004	99.29	0.3		vinyl	Living Room, Bedroom 1 and 2, kitchen and laundry
24	A0024I-642-BR1	A40391A-019A	2/5/2004	207.16	2.1	JK	carpet	Bedroom 1
24	A0024I-64-BR1	A40391A-020A	2/5/2004	207.36	5.0	JK	carpet	Bedroom 1

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Table 4-3 (Continued)**Lead Results for Sieved Dust Samples (mg/Kg and µg/ft²)**

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
24	A0024I-64-BR3/BR2/HW/BA	A40391A-021A	2/5/2004	92.71	7.7	JL	rug	Bedroom 2 and 3, Hallway, and Bathroom
24	A0024I-64-BR4	A40391A-022A	2/5/2004	206.65	29.3		carpet	Bedroom 4
25	A0025I-64-DR/KC	A40391A-003A	2/5/2004	1,105.71	29.2		hardwood	Dining Room, and Kitchen
25	A0025I-64-HW	A40391A-004A	2/5/2004	222.67	8.5	JL	hardwood	Hall Way
25	A0025I-64-LR	A40391A-005A	2/5/2004	429.09	110.0		hardwood and rug	Living Room
26	A0026I-64-BR1	A40430A-056A	2/6/2004	117.65	87.3		rug	Bedroom 1
26	A0026I-64-BR2	A40430A-057A	2/6/2004	66.36	25.9		rug	Bedroom 2
26	A0026I-64-LR	A40430A-058A	2/6/2004	126.08	390.0	JL	rug	Living Room
27	A0027I-64-BR2	A40430A-043A	2/7/2004	161.57	42.4		rug	Bedroom 2
27	A0027I-64-BR4	A40430A-044A	2/7/2004	105.36	3.1		rug and hardwood	Bedroom 4
27	A0027I-64-FR	A40430A-045A	2/7/2004	183.60	18.8		rug	Family Room
28	A0028I-64-BR1	A40430A-030A	2/7/2004	85.49	8.5	JL	rug	Bedroom 1
28	A0028I-64-DR	A40430A-031A	2/7/2004	185.96	31.6		rug	Dining Room
28	A0028I-64-LR	A40430A-032A	2/7/2004	220.52	50.3		rug	Living Room
29	A0029I-64-BR1/BR2/HW	A40430A-018A	2/7/2004	51.95	3.2	JL	rugs	Bedroom 1 and 2, and Hallway

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Table 4-3 (Continued)

Lead Results for Sieved Dust Samples (mg/Kg and µg/ft²)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
29	A0029I-64-FR	A40430A-019A	2/7/2004	1.07	7.3	JL	rug	Family Room
30	A0030I-64-BR1	A40430A-003A	2/8/2004	399.97	57.2	JL	rug	Bedroom 1
30	A0030I-64-DR	A40430A-004A	2/8/2004	787.40	122.0	JL	rug	Dining Room
30	A0030I-64-LR	A40430A-005A	2/8/2004	215.36	182.0	JL	rug	Living Room
Note: Highlighted values exceed action level for dust (40µg/ft ² , TSCA 403 Residential Lead Standard)								
The samples were analyzed by EPA Method 6010B.								

Table 4-4
Lead Results for Unsieved Dust Samples (mg/Kg and µg/ft²)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
16	A0016I-642-BR1/OF	A40332A-032A	1/31/2004	257.03	35.5	JL	rug	Bedroom 1, and Office
16	A0016I-64-BR1/OF	A40332A-034A	1/31/2004	232.44	30.5	JL	rug	Bedroom 1, and Office
16	A0016I-64-LR	A40332A-035A	1/31/2004	167.38	60.2	JL	rug	Living Room
17	A0017I-64-LR/BR3/BR2/FR	A40332A-052A	1/31/2004	142.30	14.1	JL	rug	Living Room, Bedroom 2 and 3, and Family Room
18	A0018I-64-BR1/DR	A40332A-014A	2/2/2004	227.60	13.2	JL	rugs	Bedroom 1, and Dining Room
18	A0018I-64-BR3/BR2	A40332A-015A	2/2/2004	174.25	7.1	JL	rug	Bedroom 2 and 3
18	A0018I-64-LR	A40332A-016A	2/2/2004	164.89	13.9	JL	rug	Living Room
19	A0019I-64-LR/OF/KC/DR/BR1	A40332A-003A	2/2/2004	90.73	2.1	JL	rugs	Living Room, Office, Kitchen, Dining Room, and Bedroom 1
20	A0020I-642-BR5	A40353B-012A	2/3/2004	130.25	8.3	JL	carpet	Bedroom 5
20	A0020I-64-BR5	A40353B-013A	2/3/2004	96.51	7.4	JL	carpet	Bedroom 5
20	A0020I-64-HW/BR1	A40353B-014A	2/3/2004	70.12	6.5	JL	rugs	Hall Way, and Bedroom 1
20	A0020I-64-LR	A40353B-015A	2/3/2004	132.82	50.1	JL	rug	Living Room
22	A0022I-64-BR2/BR3	A40353B-030A	2/4/2004	65.21	4.7	JL	carpet	Bedroom 2 and 3
22	A0022I-64-LR/BR1	A40353B-031A	2/4/2004	99.09	8.8	JL	rug and vinyl	Living Room, and Bedroom 1
23	A0023I-64-LR/BR1/BR2/KC/LDR	A40353B-003A	2/4/2004	44.05	0.5	JL	vinyl	Living Room, Bedroom 1 and 1, kitchen and laundry
24	A0024I-642-BR1	A40391B-019A	2/5/2004	115.99	3.5	JL	carpet	Bedroom 1

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Table 4-4 (Continued)**Lead Results for Unsieved Dust Samples (mg/Kg and µg/ft²)**

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
24	A0024I-64-BR1	A40391B-020A	2/5/2004	110.11	4.1	JL	carpet	Bedroom 1
24	A0024I-64-BR3/BR2/HW/BA	A40391B-021A	2/5/2004	137.00	14.3	JL	rug	Bedroom 2 and 3, Hallway, and Bathroom
24	A0024I-64-BR4	A40391B-022A	2/5/2004	206.82	37.2	JL	carpet	Bedroom 4
25	A0025I-64-DR/KC	A40391B-003A	2/5/2004	578.30	26.1	JL	hardwood	Dining Room, and Kitchen
25	A0025I-64-HW	A40391B-004A	2/5/2004	482.51	36.6	JL	hardwood	Hall Way
25	A0025I-64-LR	A40391B-005A	2/5/2004	209.35	68.4	JL	hardwood and rug	Living Room
26	A0026I-64-BR1	A40430B-056A	2/6/2004	117.14	128.0	JL	rug	Bedroom 1
26	A0026I-64-BR2	A40430B-057A	2/6/2004	73.39	46.6	JL	rug	Bedroom 2
26	A0026I-64-LR	A40430B-058A	2/6/2004	865.44	3,060.0	JL	rug	Living Room
27	A0027I-64-BR2	A40430B-043A	2/7/2004	135.51	50.0	JL	rug	Bedroom 2
27	A0027I-64-BR4	A40430B-044A	2/7/2004	85.54	6.2	JL	rug and hardwood	Bedroom 4
27	A0027I-64-FR	A40430B-045A	2/7/2004	183.97	24.1	JL	rug	Family Room
28	A0028I-64-BR1	A40430B-030A	2/7/2004	168.87	22.4	JL	rug	Bedroom 1
28	A0028I-64-DR	A40430B-031A	2/7/2004	184.10	39.6	JL	rug	Dining Room
28	A0028I-64-LR	A40430B-032A	2/7/2004	266.32	64.0	JL	rug	Living Room
29	A0029I-64-BR1/BR2/HW	A40430B-018A	2/7/2004	76.93	6.5	JL	rugs	Bedroom 1 and 2, and Hallway

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Table 4-4 (Continued)

Lead Results for Unsieved Dust Samples (mg/Kg and µg/ft²)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result (mg/Kg)	Lead Result (µg/ft ²)	Validation Flag	Surface Description	Sample Description
29	A0029I-64-FR	A40430B-019A	2/7/2004	83.98	8.0	JL	rug	Family Room
30	A0030I-64-BR1	A40430B-003A	2/8/2004	1,668.42	302.0		rug	Bedroom 1
30	A0030I-64-DR	A40430B-004A	2/8/2004	165.59	34.8	JL	rug	Dining Room
30	A0030I-64-LR	A40430B-005A	2/8/2004	390.49	354.0	JL	rug	Living Room
Note: Highlighted values exceed action level for dust (40µg/ft ² , TSCA 403 Residential Lead Standard)								
The samples were analyzed by EPA Method 6010B.								

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Table 4-5
Lead Results for Wipe Samples ($\mu\text{g}/\text{ft}^2$)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description
1	A0001I-65-BR1	A40257A-007A	1/24/2004	3.1		Bedroom 1
1	A0001I-65-BR2	A40257A-008A	1/24/2004	2.5		Bedroom 2
1	A0001I-65-FR	A40257A-009A	1/24/2004	3.9		Family Room
2	A0002I-65-BR1	A40257A-046A	1/24/2004	1.5		Bedroom 1
2	A0002I-65-FR	A40257A-047A	1/24/2004	1.4		Family Room
2	A0002I-65-LDR	A40257A-048A	1/24/2004	1.4		Laundry room
3	A0003I-65-BR1	A40257A-060A	1/25/2004	1.1		Bedroom 1
3	A0003I-65-BR2	A40257A-061A	1/25/2004	1.1		Bedroom 2
3	A0003I-65-FR	A40257A-062A	1/25/2004	1.2		Family Room
4	A0004I-65-BR3	A40257A-073A	1/25/2004	7.9		Bedroom 3
4	A0004I-65-DR	A40257A-074A	1/25/2004	6.1		Dining Room
4	A0004I-65-KC	A40257A-075A	1/25/2004	14.9		Kitchen
5	A0005I-65-BR1	A40257A-100A	1/25/2004	2.9	JL	Bedroom 1
5	A0005I-65-BR2	A40257A-101A	1/25/2004	1.2	JL	Bedroom 2
5	A0005I-65-FR	A40257A-102A	1/25/2004	0.6	JL	Family Room
6	A0006I-65-BR1	A40257A-086A	1/26/2004	0.6		Bedroom 1
6	A0006I-65-BR3	A40257A-087A	1/26/2004	2		Bedroom 3
6	A0006I-65-PR	A40257A-088A	1/26/2004	2.2	JL	Play Room
7	A0007I-652-LR	A40274A-019A	1/27/2004	4.1	JL	Living Room
7	A0007I-65-BR2	A40274A-021A	1/27/2004	3.3	JL	Bedroom 2
7	A0007I-65-LR	A40274A-022A	1/27/2004	5.3	JL	Living Room
8	A0008I-65-BR1	A40274A-038A	1/27/2004	1.4	JL	Bedroom 1
8	A0008I-65-BR2	A40274A-039A	1/27/2004	12.7	JL	Bedroom 2
8	A0008I-65-FR	A40274A-040A	1/27/2004	5	JL	Family Room
9	A0009I-65-BR1	A40274A-049A	1/27/2004	3.2	JL	Bedroom 1
9	A0009I-65-BR2	A40274A-050A	1/27/2004	1.3	JL	Bedroom 2
9	A0009I-65-LR	A40274A-051A	1/27/2004	4.1	JL	Living Room
10	A0010I-65-BR2	A40257A-031A	1/28/2004	1.5		Bedroom 2
10	A0010I-65-FR	A40257A-032A	1/28/2004	2.7		Family Room
10	A0010I-65-HW	A40257A-033A	1/28/2004	1.5		Hall Way

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Table 4-5 (Continued)
Lead Results for Wipe Samples ($\mu\text{g}/\text{ft}^2$)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description
11	A0011I-65-BR2	A40291A-019A	1/28/2004	9.7		Bedroom 2
11	A0011I-65-BR3	A40291A-020A	1/28/2004	9		Bedroom 3
11	A0011I-65-PR	A40291A-021A	1/28/2004	6.9		Play Room
12	A0012I-65-BR1	A40274A-005A	1/28/2004	1.6	JL	Bedroom 1
12	A0012I-65-BR2	A40274A-006A	1/28/2004	4.4	JL	Bedroom 2
13	A0013I-65-BR3	A40291A-006A	1/29/2004	2.1		Bedroom 3
13	A0013I-65-FR	A40291A-007A	1/29/2004	3.4		Family Room
13	A0013I-65-LR	A40291A-008A	1/29/2004	1.4		Living Room
14	A0014I-65-BR	A40316A-004A	1/29/2004	3.4		Bedroom
14	A0014I-65-LR	A40316A-005A	1/29/2004	19.5		Living Room
14	A0014I-65-OF	A40316A-006A	1/29/2004	32.6		Office
15	A0015I-65-BR1	A40316A-015A	1/30/2004	13		Bedroom 1
15	A0015I-65-LR	A40316A-016A	1/30/2004	1.1		Living Room
16	A0016I-65-LR	A40332A-037A	1/31/2004	1.2	JL	Living Room
16	A0016I-65-OF	A40332A-038A	1/31/2004	4.3	JL	Office
17	A0017I-65-BR2	A40332A-053A	1/31/2004	0.87	JL	Bedroom 2
17	A0017I-65-BR3	A40332A-054A	1/31/2004	1.1	JL	Bedroom 3
17	A0017I-65-LR	A40332A-055A	1/31/2004	0.59	JL	Living Room
18	A0018I-652-BR2	A40332A-017A	2/2/2004	2.3	JKN	Bedroom 2
18	A0018I-652-DR	A40332A-018A	2/2/2004	1.3	JN	Dining Room
18	A0018I-65-BR1	A40332A-019A	2/2/2004	2.2	JN	Bedroom 1
18	A0018I-65-BR2	A40332A-020A	2/2/2004	5.2	JN	Bedroom 2
18	A0018I-65-BR3	A40353A-040A	2/2/2004	2.7	JL	Bedroom 3
18	A0018I-65-DR	A40332A-021A	2/2/2004	1.6	JN	Dining Room
18	A0018I-65-LR	A40332A-036A	1/31/2004	2.1	JN	Living Room
19	A0019I-65-KC	A40332A-004A	2/2/2004	1.8	JN	Kitchen
19	A0019I-65-LR	A40332A-005A	2/2/2004	1.5	JN	Living Room
19	A0019I-65-OF	A40332A-006A	2/2/2004	1.2	JN	Office
20	A0020I-65-BR5	A40353A-016A	2/3/2004	1.3	JL	Bedroom 5
20	A0020I-65-HW	A40353A-017A	2/3/2004	3.8	JL	Hall Way

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Table 4-5 (Continued)
Lead Results for Wipe Samples ($\mu\text{g}/\text{ft}^2$)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description
20	A0020I-65-LR	A40353A-018A	2/3/2004	6.2	JL	Living Room
21	A0021I-65-FR	A40257A-019A	2/4/2004	5.2		Family Room
21	A0021I-65-HW	A40257A-020A	1/25/2004	5		Hall Way
21	A0021I-65-KC	A40257A-021A	1/25/2004	16.8		Kitchen
22	A0022I-65-BR1	A40353A-032A	2/4/2004	3.6	JL	Bedroom 1
22	A0022I-65-BR2	A40353A-033A	2/4/2004	1.2	JL	Bedroom 2
22	A0022I-65-BR3	A40353A-034A	2/4/2004	4.4	JL	Bedroom 3
23	A0023I-65-BR1	A40353A-004A	2/4/2004	4.7	JL	Bedroom 1
23	A0023I-65-KC	A40353A-005A	2/4/2004	4.6	JL	Kitchen
23	A0023I-65-LR	A40353A-006A	2/4/2004	3	JL	Living Room
24	A0024I-65-BR1	A40391A-023A	2/5/2004	2.4		Bedroom 1
24	A0024I-65-BR2	A40391A-024A	2/5/2004	1		Bedroom 2
24	A0024I-65-BR3	A40391A-025A	2/5/2004	1.2		Bedroom 3
25	A0025I-65-DR	A40391A-006A	2/5/2004	11.9		Dining Room
25	A0025I-65-HW	A40391A-007A	2/5/2004	20.8		Hall Way
25	A0025I-65-LR	A40391A-008A	2/5/2004	3		Living Room
26	A0026I-65-BR1	A40430A-059A	2/6/2004	2	JL	Bedroom 1
26	A0026I-65-BR2	A40430A-060A	2/6/2004	3.7	JL	Bedroom 2
26	A0026I-65-LR	A40430A-061A	2/6/2004	2.1	JL	Living Room
27	A0027I-65-BR2	A40430A-046A	2/7/2004	0.53	JL	Bedroom 2
27	A0027I-65-BR4	A40430A-047A	2/7/2004	0.95	JL	Bedroom 4
27	A0027I-65-FR	A40430A-048A	2/7/2004	0.93	JL	Family Room
28	A0028I-65-BR1	A40430A-033A	2/7/2004	1.5	JL	Bedroom 1
28	A0028I-65-DR	A40430A-034A	2/7/2004	1.6	JL	Dining Room
28	A0028I-65-LR	A40430A-035A	2/7/2004	1.4	JL	Living Room
29	A0029I-65-BR1	A40430A-020A	2/7/2004	0.73	JL	Bedroom 1
29	A0029I-65-FR	A40430A-021A	2/7/2004	2.8	JL	Family Room
29	A0029I-65-LR	A40430A-022A	2/7/2004	2	JL	Living Room
30	A0030I-652-DR	A40430A-006A	2/8/2004	2.8	JL	Dining Room

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Table 4-5 (Continued)
Lead Results for Wipe Samples ($\mu\text{g}/\text{ft}^2$)

Property ID	Sample ID	Lab Sample ID	Sample Date	Lead Result	Validation Flag	Sample Description
30	A0030I-65-BR1	A40430A-007A	2/8/2004	0.54	JL	Bedroom 1
30	A0030I-65-DR	A40430A-008A	2/8/2004	0.31	JL	Dining Room
30	A0030I-65-LR	A40430A-009A	2/8/2004	3.5	JL	Living Room
Note: No values exceed the action level for wipe samples ($40\mu\text{g}/\text{ft}^2$), TSCA 403 Residential Lead Standard)						
The samples were analyzed by EPA Method 6010B.						

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Table 4-6
Lead Results for Water Samples (µg/L)

Property ID	Sample ID	Lab Sample ID	Lead Result	Validation Flag	Sample Description
1	A0001I-21-1-BA2	A40257A-001A	5.4		Bath Room 2 Faucet Storage Water
1	A0001I-21-2-BA2	A40257A-002A	1.4		Bath Room 2 Faucet Flush Water
2	A0002I-21-1-BA1	A40257A-041A	1.0	U	Bath Room 1 Faucet Storage Water
2	A0002I-21-2-BA1	A40257A-042A	1.0	U	Bath Room 1 Faucet Flush Water
3	A0003I-21-1-KC	A40257A-055A	1.0	U	Kitchen Faucet Storage Water
3	A0003I-21-2-KC	A40257A-056A	1.0	U	Kitchen Faucet Flush Water
4	A0004I-21-1-KA	A40257A-069A	1.0	U	Kitchen Faucet Storage Water
4	A0004I-21-2-KA	A40257A-070A	1.0	U	Kitchen Faucet Flush Water
5	A0005I-21-1-BA1	A40257A-095A	1.0	U	Bath Room 1 Faucet Storage Water
5	A0005I-21-2-BA1	A40257A-096A	1.0	UJ	Bath Room 1 Faucet Flush Water
6	A0006I-21-1-BA1	A40257A-081A	1.0	U	Bath Room 1 Faucet Storage Water
6	A0006I-21-2-BA1	A40257A-082A	1.0	U	Bath Room 1 Faucet Flush Water
7	A0007I-212-1-BA2	A40274A-014A	1.4		Bath Room 2 Faucet Storage Water
7	A0007I-21-1-BA2	A40274A-013A	1.0	U	Bath Room 2 Faucet Storage Water
7	A0007I-212-2-BA2	A40274A-015A	1.0	U	Bath Room 2 Faucet Flush Water
7	A0007I-21-2-BA2	A40274A-016A	1.0	U	Bath Room 2 Faucet Flush Water
8	A0008I-21-1-BA	A40274A-032A	1.0	U	Bath Room 1 Faucet Storage Water
8	A0008I-21-2-BA	A40274A-033A	1.0	U	Bath Room 1 Faucet Flush Water
9	A0009I-21-1-KC	A40274A-046A	1.0	U	Kitchen Faucet Storage Water
9	A0009I-21-2-KC	A40274A-047A	1.0	U	Kitchen Faucet Flush Water

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Table 4-6 (Continued)
Lead Results for Water Samples (µg/L)

Property ID	Sample ID	Lab Sample ID	Lead Result	Validation Flag	Sample Description
10	A0010I-21-1-KC	A40274A-057A	1.0	U	Kitchen Faucet Storage Water
10	A0010I-21-2-KC	A40274A-058A	1.0	U	Kitchen Faucet Flush Water
11	A0011I-21-1-BA3	A40291A-014A	1.0	U	Bath Room 3 Faucet Storage Water
11	A0011I-21-2-BA3	A40291A-015A	1.0	U	Bath Room 3 Faucet Flush Water
12	A0012I-21-1-BA1	A40274A-001A	1.0	U	Bath Room 1 Faucet Storage Water
12	A0012I-21-2-BA1	A40274A-002A	1.0	U	Bath Room 1 Faucet Flush Water
13	A0013I-21-1-BA1	A40291A-001A	1.0	U	Bath Room 1 Faucet Storage Water
13	A0013I-21-2-BA1	A40291A-002A	1.0	U	Bath Room 1 Faucet Flush Water
14	A0014I-21-1-KC	A40316A-001A	1.1	JH	Kitchen Faucet Storage Water
14	A0014I-21-2-KC	A40316A-002A	1.0	U	Kitchen Faucet Flush Water
15	A0015I-21-1-BA	A40316A-012A	1.0	U	Bath Room 1 Faucet Storage Water
15	A0015I-21-2-BA	A40316A-013A	1.2	JH	Bath Room 1 Faucet Flush Water
16	A0016I-21-1-BA	A40332A-028A	1.0	U	Bath Room Faucet Storage Water
16	A0016I-212-1-BA	A40332A-029A	1.0	J	Bath Room Faucet Flush Water
16	A0016I-212-2-BA	A40332A-030A	1.6	J	Bath Room Faucet Flush Water
16	A0016I-21-2-BA	A40332A-031A	1.0	U	Bath Room Faucet Flush Water
17	A0017I-21-1-BA2	A40332A-050A	1.2		Bath Room 2 Faucet Storage Water
17	A0017I-21-2-BA2	A40332A-051A	1.0	U	Bath Room 2 Faucet Flush Water
18	A0018I-21-1-BA2	A40332A-012A	1.0	U	Bath Room 2 Faucet Storage Water
18	A0018I-21-2-BA2	A40332A-013A	1.6		Bath Room 2 Faucet Flush Water

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Table 4-6 (Continued)
Lead Results for Water Samples (µg/L)

Property ID	Sample ID	Lab Sample ID	Lead Result	Validation Flag	Sample Description
19	A0019I-21-1-KC	A40332A-001A	1.0	U	Kitchen Faucet Storage Water
19	A0019I-21-2-KC	A40332A-002A	1.0	U	Kitchen Faucet Flush Water
20	A0020I-21-1-BA5	A40353A-010A	4.6		Bath Room 5 Faucet Storage Water
20	A0020I-21-2-BA5	A40353A-011A	2.3		Bath Room 5 Faucet Flush Water
21	A0021I-21-1-BA1	A40257A-016A	1.0	U	Bath Room 1 Faucet Storage Water
21	A0021I-21-2-BA1	A40257A-017A	1.0	U	Bath Room 1 Faucet Flush Water
22	A0022I-21-1-KC	A40353A-028A	1.0	UJ	Kitchen Faucet Storage Water
22	A0022I-21-2-KC	A40353A-029A	1.0	UJ	Kitchen Faucet Flush Water
23	A0023I-21-1-KC	A40353A-001A	1.0	U	Kitchen Faucet Storage Water
23	A0023I-21-2-KC	A40353A-002A	1.0	U	Kitchen Faucet Flush Water
24	A0024I-21-1-BA2	A40391A-017A	1.0		Bath Room 2 Faucet Storage Water
24	A0024I-21-2-BA2	A40391A-018A	1.0	U	Bath Room 2 Faucet Flush Water
25	A0025I-21-1-BA1	A40391A-001A	1.5		Bath Room 1 Faucet Storage Water
25	A0025I-21-2-BA1	A40391A-002A	1.0	U	Bath Room 1 Faucet Flush Water
26	A0026I-21-1-BA1	A40430A-054A	1.0	U	Bath Room 1 Faucet Storage Water
26	A0026I-21-2-BA1	A40430A-055A	1.0	U	Bath Room 1 Faucet Flush Water
27	A0027I-21-1-FR	A40430A-041A	1.5		Family Room Storage Water
27	A0027I-21-2-FR	A40430A-042A	1.0	U	Family Room Flush Water
28	A0028I-21-1-KC	A40430A-028A	1.0	U	Kitchen Faucet Storage Water
28	A0028I-21-2-KC	A40430A-029A	1.0	U	Kitchen Faucet Flush Water

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Table 4-6 (Continued)
Lead Results for Water Samples (µg/L)

Property ID	Sample ID	Lab Sample ID	Lead Result	Validation Flag	Sample Description
29	A0029I-21-1-BA2	A40430A-015A	2.1		Bath Room 2 Faucet Storage Water
29	A0029I-21-2-BA2	A40430A-016A	1.0	U	Bath Room 2 Faucet Flush Water
30	A0030I-21-1-KC	A40430A-001A	7.5		Kitchen Faucet Storage Water
30	A0030I-21-2-KC	A40430A-002A	1.0	J	Kitchen Faucet Flush Water
NA	A0016I-643-LR	A40332A-033A	4.8	U	Equipment Rinsate
NA	A0029I-643-BR1/BR2/HW	A40430A-017A	4.8	U	Equipment Rinsate
NA	A0008I-643-BR2	A40274A-034A	4.8	U	Equipment Rinsate
NA	A0022I-643-LR/BR1	A40391A-016A	4.8	U	Equipment Rinsate
Note: Highlighted values exceed action level for drinking water (1 µg/L drinking water standard)					
The samples were analyzed by EPA Method 200.9.					

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Table 4-7

Results for Colorimetric Lead Alert Samples

Property ID	Colorimetric Swab Results	Location of Pipe
1	Positive	2nd Floor Bathroom
2	Negative	Bathroom 1
3	Negative	Kitchen
4	N/A (poly pipes)	NA
5	Negative	Bathroom 1
6	Positive	Bathroom 4
7	Positive	Kitchen
8	Negative	Bathroom 1
9	Negative	Kitchen
10	Positive	Kitchen
11	Negative	Bathroom 3
12	Negative	Bathroom 1
13	Negative	Bathroom 1
14	Negative	Kitchen
15	Positive	Kitchen
16	Positive	Kitchen
17	Positive	Bathroom 1
18	Positive	Upstairs Master Bath
19	Positive	Kitchen
20	Positive	Bathroom 3
20	Positive	Bathroom 4
20	Positive	Bathroom 5
21	Negative	Bathroom 1
22	Negative	Kitchen
23	N/A (poly pipes)	NA
24	Positive	Kitchen
24	Positive	Bathroom 1 (main level)
24	Positive	Bathroom 1 (second/top floor)
25	Positive	Bathroom
26	Positive	Bathroom 1
27	Positive	Bathroom 3

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Table 4-7 (Continued)
Results for Colorimetric Lead Alert Samples

Property ID	Colorimetric Swab Results	Location of Pipe
28	Negative	Kitchen
29	Positive	Kitchen
29	Positive	Bathroom 1
29	Positive	Bathroom 2
30	Negative	Kitchen
Note: Positive results are based on the color change indicator present on the colorimetric test swab.		

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Table 4-8

Lead Results for Paint Chip Samples (mg/Kg and µg/cm²)

Property ID	Sample ID	Lab Sample ID	Lead Result (mg/Kg)	Validation Flag	Lead Result (µg/cm ²)	Validation Flag	Sample Description
1	A0001I-66-BA1	A40257A-010A	7,150		912		Bathroom 1
1	A0001I-66-HW	A40257A-011A	6,220		322		Hall Way
2	A0002I-66-BR1W	A40257A-049A	24,500		2,350		Bedroom 1 Window
2	A0002I-66-PDF	A40257A-050A	31,000		3,890		Pantry Door Frame
3	A0003I-66-BR2D	A40257A-063A	19,200		695		Bedroom 2
3	A0003I-66-BR2W	A40257A-064A	20,700		1,350		Bedroom 2 Window
4	A0004I-66-BA1	A40257A-076A	64,500		11,700		Bathroom 1
5	A0005I-66-BR1	A40257A-103A	17,500		545		Bedroom 1
5	A0005I-66-BR3	A40257A-104A	59,600		327		Bedroom 3
6	A0006I-66-PRD	A40257A-089A	92,900		8,890		Play Room Door
6	A0006I-66-PRW	A40257A-090A	15,700		1,610		Play Room Window
7	A0007I-662-OF	A40274A-023A	77,900	JK	8,850	JK	Office
7	A0007I-66-LDR	A40274A-024A	40,000		2,310		Laundry Room
7	A0007I-66-OF	A40274A-025A	20,600	JK	2,520	JK	Office
8	A0008I-66-BR2	A40274A-041A	20,300		2,150		Bedroom 2
9	A0009I-66-BAW	A40274A-052A	79,800		13,600		Bathroom Window
10	A0010I-66-BR2	A40257A-034A	261,000		31,300		Bedroom 2
10	A0010I-66-KC	A40257A-035A	55,400		4,950		Kitchen
10	A0010I-66-STR	A40257A-036A	13,300		197		Storage

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Table 4-8 (Continued)

Lead Results for Paint Chip Samples (mg/Kg and µg/cm²)

Property ID	Sample ID	Lab Sample ID	Lead Result (mg/Kg)	Validation Flag	Lead Result (µg/cm ²)	Validation Flag	Sample Description
11	A0011I-66-BR2	A40291A-022A	54,500	JK	9,620	JK	Bedroom 2
11	A0011I-66-PR	A40291A-023A	62,100	JKN	3,060	JK	Play Room
12	A0012I-66-BR1	A40274A-007A	44,200		1,800		Bedroom 1
12	A0012I-66-LR	A40274A-008A	1,200		65		Living Room
13	A0013I-66-BR3	A40291A-009A	85	JK	6	JK	Bedroom 3
14	A0014I-66-LR	A40316A-007A	2,130		179		Living Room
15	A0015I-66-LR	A40316A-017A	1,230		73		Living Room
16	A0016I-662-KC	A40332A-039A	180,000	JH	11,500	JH	Kitchen
16	A0016I-66-BR	A40332A-040A	537,000	JH	55,900	JH	Bedroom
16	A0016I-66-KC	A40332A-041A	212,000	JH	21,400	JH	Kitchen
17	A0017I-66-BR1	A40332A-056A	106,000		12,800		Bedroom 1
17	A0017I-66-BR2	A40332A-057A	244,000	JH	23,100	JH	Bedroom 2
18	A0018I-662-KC	A40332A-022A	154,000	JH	9,710	JH	Kitchen
18	A0018I-66-KC	A40332A-023A	300,000	JH	18,800	JH	Kitchen
19	A0019I-66-KC	A40332A-007A	16,100	JH	1,190	JH	Kitchen
20	A0020I-66-OF	A40353A-019A	28,900	JH	2,550	JH	Office
21	A0021I-66-FR	A40257A-022A	34,000		2,240		Family Room
21	A0021I-66-KC	A40257A-023A	31,800		2,820		Kitchen
22	A0022I-66-BR1	A40353A-035A	17,500	JH	1,250	JH	Bedroom 1

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Table 4-8 (Continued)

Lead Results for Paint Chip Samples (mg/Kg and µg/cm²)

Property ID	Sample ID	Lab Sample ID	Lead Result (mg/Kg)	Validation Flag	Lead Result (µg/cm ²)	Validation Flag	Sample Description
23	A0023I-66-BR1	A40353A-007A	10,400	JH	751	JH	Bedroom 1
-24	A0024I-66-PR	A40391A-026A	170,000	JH	17,300	JH	Play Room
25	A0025I-662-BA1	A40391A-009A	290,000	JH	51,900	JH	Bathroom 1
25	A0025I-66-BA1	A40391A-010A	242,000	JH	46,800	JH	Bathroom 1
25	A0025I-66-LR	A40391A-011A	40,800	JH	3,220	JH	Living Room
26	A0026I-66-KC	A40430A-062A	195,000	JH	19,100	JH	Kitchen
27	A0027I-66-LR	A40430A-049A	115,000	JH	8,540	JH	Living Room
28	A0028I-66-BR2	A40430A-036A	341,000	JH	22,600	JH	Bedroom 2
29	A0029I-66-BR3	A40430A-023A	31,000	JH	1,480	JH	Bedroom 3
30	A0030I-66-KC	A40430A-010A	179,000	JH	16,700	JH	Kitchen
Note: Highlighted values exceed the lead based paint action level (1,000 µg/cm ²) or 5,000 mg/Kg, Texas Department of Health)							
The samples were analyzed by EPA Method 6010B.							

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Appendix A

Calibration Certificates For HVS3 and Niton XRF

Appendix B

Data Validation Sheets and Form 1's

Appendix C

Site Photographs (Phototracker)

Appendix D

XRF Lead Based Paint Test Results

Appendix E

Copy of TDD No. 06-03-12-0004 and Amendment A

Appendix F

Logbook

Appendix G

Lead Risk Assessor Certification