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To:Los Angeles Unified School DistrictDate:June 8, 2016Office of Environmental Health and Safety333 South Beaudry Avenue, 21st FloorLos Angeles, California 90017Leighton Project No. 603378.005

Attention: Mr. Patrick Schanen

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Subject: <u>Revised Preliminary Environmental Assessment (PEA) Equivalent</u> <u>Document, Colfax Charter Elementary School Classroom Addition Project,</u> <u>11724 Addison Street, Valley Village, California 91607</u>

LEIGHTON CONSULTING, INC.

By: Julie Harriman, PE

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PRELIMINARY ENVIRONMENTAL ASSESSMENT EQUIVALENT DOCUMENT COLFAX CHARTER ELEMENTARY SCHOOL CLASSROOM ADDITION PROJECT 11724 ADDISON STREET VALLEY VILLAGE, CALIFORNIA 91607

Prepared For:

LOS ANGELES UNIFIED SCHOOL DISTRICT

Office of Environmental Health and Safety 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017

Project No. 603378.005

June 8, 2016





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Los Angeles Unified School District Office of Environmental Health and Safety 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017

Attention: Mr. Patrick Schanen

Subject: Revised Preliminary Environmental Assessment (PEA) Equivalent Document, Colfax Charter Elementary School Classroom Addition Project, 11724 Addison Street, Valley Village, California 91607

Leighton Consulting, Inc. is pleased to present this Preliminary Environmental Assessment (PEA) Equivalent Document Submission for the subject site which documents historical site land use, outlines the approach and data collected as part of the recently concluded site assessment, and recommends no further action determination.

If you have any questions regarding this report, please do not hesitate to contact the undersigned at your earliest convenience. We appreciate the opportunity to be of service to the District.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Julie Harriman, P.E. Associate Engineer

JCH/KB/lr

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Kevin Bryan, P.G. Senior Principal Geologist



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LIST OF ABBREVIATIONS/ACRONYMS

ACM	asbestos containing material
AIN	Assessor's ID Number
amsl	above mean sea level
bgs	below ground surface
Cal/EPA	California Environmental Protection Agency
COPC	Chemical of potential concern
District	Los Angeles Unified School District
DTSC	Department of Toxic Substances Control
ESA	Environmental Site Assessment
HASP	Site-specific health and safety plan
LAUSD	Los Angeles Unified School District
LBP	lead-based paint
Leighton	Leighton Consulting Inc.
OCPs	Organochlorine Pesticides
OEHS	Office of Environmental Health and Safety
PCBs	Polychlorinated Biphenyls
PEA	Preliminary Environmental Assessment Equivalent Document
PPE	Personal protective equipment
REC	Recognized environmental condition
School property	Colfax Charter Elementary School Campus
Site	Colfax Charter Elementary School Classroom Addition Project
Strongarm	Strongarm Environmental Services, Inc.



EXECUTIVE SUMMARY

This *Preliminary Environmental Assessment (PEA) Equivalent Document* summarizes historical site land use, and outlines the approach utilized and data collected as part of the recently concluded assessment conducted for the Colfax Charter Elementary School Classroom Addition Project (the 'Site', Figures 1, 2 and 3). The Site is part of the Colfax Charter Elementary School property (hereinafter also referred to as 'the School property'), which is located at 11724 Addison Street, Valley Village, California 91607.

The School property was formerly used as an arboretum from at least 1928 to 1940 and included a single-family dwelling in the center of the property. LAUSD purchased the property in 1949 and has operated a school at the property since approximately 1951. Prior to 1928 the land was undeveloped. The majority of the School property is paved and currently developed with 15 various school buildings, approximately 6 intermodal containers used for storage, playground areas and an animal sanctuary. The area surrounding the School property is mainly residential.

The primary objectives of this PEA were to assess shallow soil for potential environmental concerns identified in a Phase I Environmental Site Assessment (ESA) (WorleyParsons, 2016); and to evaluate overall Site health risk based on soil analytical screening results for chemicals of potential concern (COPCs), including lead, arsenic, organochlorine pesticides (OCPs), arsenic and polychlorinated biphenyls (PCBs). This PEA was revised to include additional PCB results, as discussed in Section 3.

Between March 21 and 22, 2016, sixty-one (61) soil borings were advanced to a maximum depth of 2.5 feet below ground surface (bgs) using hand auger methods. Boring locations are shown on Figure 2 and Figure 3. Soil samples were collected from 0.5, 1.5 and 2.5 feet and select samples were analyzed for COPCs. The soil matrix analytical results (Table 1) indicate that COPCs at the Site were either below detection or below regulatory screening levels. Evaluation of the analytical results presented in this report show the data to be of acceptable quality. Therefore, Leighton considers that, from a human health risk evaluation standpoint, the Site has satisfactorily met the risk threshold that is typical of a similar school Site operation in the State of California.

Based upon the findings presented in this report, Leighton concludes that no further action is warranted for the COPCs in shallow soil at the Site and no restrictions should be placed on the planned LAUSD Colfax Charter Elementary School Classroom Addition Project based on this PEA equivalent study. On behalf of the District, Leighton Consulting, Inc. recommends a No Further Action determination for the Site.



1.0 INTRODUCTION

This Preliminary Environmental Assessment (PEA) Equivalent Document (hereinafter also referred to as 'the report') summarizes historical site land use, and outlines the approach utilized and data collected as part of the recently concluded assessment conducted at the Colfax Charter Elementary Classroom Addition Project (the 'Site', Figures 1, 2 and 3).

This report was prepared by Leighton Consulting Inc. (Leighton) on behalf of the District in general conformance with various existing guidance documents related to site assessment, characterization and investigation published by the California Environmental Protection Agency (Cal/EPA) – Department of Toxic Substances Control (DTSC, 2015). Pertinent references related to the Site are listed in Appendix A.

1.1 <u>Site Description</u>

The Site is part of the Colfax Charter Elementary School property (hereinafter also referred to as 'the School property'), which is located at 11724 Addison Street, Valley Village, California 91607. The School property is identified by the Los Angeles County Assessor's Office with Assessor's ID Number (AIN) 2355-013-900 and occupies 8.1 acres. The property is owned and operated by the Los Angeles Unified School District (LAUSD) (hereinafter also referred to as 'the District' or LAUSD).

The Site consists of two separate areas within the Colfax Charter Elementary School property boundary and represents development areas associated with the Colfax Charter Elementary School Classroom Addition Project. The first development area occupies approximately 1.5 acres and is located along the eastern margin of the School property (hereinafter also referred to as "east development area" within the Site) (Figures 1 and 2). The second development area occupies approximately 0.4 acres and is located along the western margin of the School property (hereinafter also referred to as the "west development area" within the Site) (Figures 1 and 3).

1.2 <u>Background</u>

The School property was formerly used as an arboretum from at least 1928 to 1940 and included a single-family dwelling in the center of the property. LAUSD purchased the property in 1949 and has operated a school at the property since



approximately 1951. Prior to 1928 the land was undeveloped. The majority of the School property is paved and currently developed with 15 various school buildings, approximately 6 intermodal containers used for storage, playground areas and an animal sanctuary. The area surrounding the School property is mainly residential.

WorleyParsons completed a Phase I Environmental Site Assessment (ESA) for the School Property in January 2016. Findings from the Phase I ESA are discussed in Section 1.5, below.

The current Site contact related to the environmental matters is listed below:

Mr. Andrew Fowler Los Angeles Unified School District Office of Environmental Health and Safety 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017

1.3 <u>Regional Geology and Hydrogeology</u>

The School property is located at an approximate elevation of 633 feet above mean sea level (amsl), and the local topography generally slopes toward the southeast (WorleyParsons, 2016). The School property is located geographically in the southeastern portion of the San Fernando Valley area approximately 1.5 miles north of the Santa Monica Mountains. This area falls within the Transverse Ranges Geomorphic Province of Southern California (DWR, 1961). The site is underlain by interbedded layers of Quaternary, unconsolidated and poorly sorted sand, silty sand and silty clay from the surface to 71 feet below ground surface (bgs) (WorleyParsons, 2016).

The School property is located within the San Fernando Valley Groundwater Basin. The nearest groundwater well, Observation Well 3831J, is located approximately 840 feet north of the School property. Groundwater in the well was measured at approximately 133.70 feet bgs on December 3, 2009 (WorleyParsons, 2016). No School property-specific groundwater data was available for review.



1.4 <u>Environmental Setting</u>

A Phase I ESA was completed for the School property on January 21, 2016 by WorleyParsons (WorleyParson, 2016). The purpose of the Phase I ESA is to identify recognized environmental conditions (RECs) in order to assist in the evaluation of historical land use, assess potential environmental impacts on- and off-site, and determine if any potential environmental impacts may pose a threat to on-site occupants, off-site individuals and the environment. No other environmental investigations for the School property were located during the Phase I ESA. Information pertaining to the Site as determined by the Phase I ESA is summarized below.

1.4.1 <u>School Property</u>

The Phase I ESA includes a review of historical aerial photographs, topographic maps and Sanborn[®] maps for the School property. According to the Phase I ESA, historical use of the School property from at least 1928 to 1940 included an arboretum with a single-family dwelling located in the center portion of the property. The property was purchased by LAUSD in 1949, and has operated as a school since approximately 1951. Currently, the majority of the School property is paved and is developed with various school buildings, intermodal containers used for storage, playground areas and an animal sanctuary. The findings of the Phase I ESA are discussed in Section 1.5, below.

1.4.2 <u>Site</u>

Based on the Phase I ESA's investigation of historical aerial images, topographic maps, and fire insurance maps, existing and former building footprints were identified within the two proposed development areas at the Site. In the east development area, existing buildings (EB1 through EB4) and former building footprints (FB1 through FB8) are shown in Figure 2. In the west development area, a former building footprint (FB9) is shown on Figure 3. The remaining areas of the Site within the project area are either paved with asphalt or utilized as planters.

The District plans to redevelop the Site as part of the Colfax Charter Elementary School Classroom Addition Project. Leighton was contracted



by the District to complete a PEA equivalent study to address potential soil contamination identified in the Phase I ESA.

1.5 Discussion of Phase I ESA Items

The Phase I ESA found no evidence of the storage or release of hazardous materials during the on-site inspection at the School property with the exception of the storage of small quantities of gasoline, cleaning chemicals and oil storage as janitorial supplies. During review of regulatory databases, Colfax Charter Elementary School was identified in the Phase I ESA as a large quantity waste generator, as a result of past school renovation activities, which included the abatement of asbestos, lead-based paint and polychlorinated biphenyl (PCB) containing equipment. Based on the site reconnaissance and records reviewed as part of the Phase I ESA, WorleyParsons identified the following RECs associated with the Site:

- Potential presence of lead-based paint (LBP) residue in shallow soils around the drip lines of the existing and former buildings at the Site.
- Potential presence of organochlorine pesticides (OCPs) in shallow soils around the foundation of the existing and former buildings at the Site and in areas of former horticulture/agriculture at the School property.
- Potential presence of arsenic in shallow soils under pavement at the School property from possible historic use of arsenical herbicides.
- Potential presence of asbestos containing material (ACM) in building materials at the School property.

A hazardous material survey was recommended in the Phase I ESA to address concerns regarding hazardous materials in construction materials (ACM, LBP, and universal wastes). The hazardous material survey is not part of Leighton's scope for this PEA equivalent study.

DTSC guidance indicates that LBP residue from paint or surface coatings may be present in soil around school structures that are adjacent or near unpaved areas where runoff could occur and were constructed prior to January 1993 (DTSC, 2006). OCPs were commonly used as insecticides for termite control, around structures between 1948 and 1989 (DTSC, 2006). PCBs were used widely in caulking and elastic sealant materials, particularly from 1950 through the 1970s



until PCBs were banned in 1979. DTSC guidance indicates that PCBs may exist in soil near exterior caulking present in buildings meeting the age criteria and adjacent to unpaved areas (DTSC, 2006). PCBs in shallow soil are commonly evaluated at the Phase I ESA Addendum/PEA Equivalent stage of assessment at school sites that meet the age criteria.

Leighton was contracted by the District to complete a PEA equivalent study to address soil concerns identified in the Phase I ESA, specifically to collect shallow soil samples near former and existing buildings at the Site and analyze select samples for lead, OCPs, arsenic and/or PCBs.



2.0 SAMPLING ACTIVITIES

The PEA field sampling activities presented herein were conducted on March 21 and 22, 2016, and were designed to assess lead, OCPs, arsenic and PCBs which were the chemicals of potential concern (COPCs) identified for shallow soil at the Site. Field observations of the soil samples did not provide any indications of hydrocarbon staining and/or odors. Appendix B contains boring logs and boring locations are shown on Figure 2 and Figure 3. Appendix C contains a photographic log showing representative soil boring locations from the sampling event.

The sampling consisted of the collection of select at-depth soil samples to screen shallow soil for lead, OCPs, arsenic and PCBs contamination. Sampling activities consisted of the following components discussed below.

2.1 <u>Objectives</u>

The primary objectives of this PEA were:

- To assess shallow soil for potential environmental concerns identified in the Phase I ESA for the Site; and
- To evaluate the overall Site health risk based on soil analytical screening results.

2.2 <u>Utility Clearance</u>

Prior to collecting the soil samples, Underground Service Alert (USA) was notified more than 48-hours prior to initiation of field sampling activities for marking subsurface utilities in and around the Site. The Site boundary was clearly marked with white water-base chalk paint on March 15, 2016 prior to USA notification. Leighton reviewed an ALTA map provided by the District indicating the anticipated locations of known sub-surface utilities at the School property prior to field activities in an effort to avoid encountering potential subsurface utilities during hand augering and sampling. Based on the ALTA survey map (Soloff, 2015), select proposed boring locations were adjusted in the field where necessary. Additionally, a field decision was made to not install one boring (FB9-3) due to this boring potentially conflicting with the gym facilities nearby.



2.3 <u>Health & Safety Plan</u>

A Site-specific health and safety plan (HASP) was prepared for the field activities. The HASP addressed issues regarding chemical exposure, personal protective equipment (PPE), physical and biological hazards that might be expected at the Site, an emergency response plan, and route to the nearest hospital. Site personnel engaged in field activities were required to read and sign the HASP. Subcontractor(s) were required to prepare and follow their own HASP during field activities, considering the Site-specific conditions.

2.4 Field Procedures

Collection of environmental samples of high integrity is important to the quality of chemical data to be generated. To this end, strict field procedures have been developed. General descriptions of field methods that were employed at various locations during various phases of the field investigation are described below.

2.4.1 Sample Collection and Analysis

Soil borings were advanced by Strongarm Environmental Services, Inc. (Strongarm), a State of California licensed driller, using hand-auger tools. Asphalt or concrete pavement was cored by Strongarm prior to advancing the soil borings. Each boring was advanced to a maximum total depth of 2.5 feet bgs. In general, soil samples were collected from the borings every 1 foot beginning at 0.5 feet bgs and extending to the boring termination. Lithologic information and soil descriptions from the soil borings were recorded by Leighton's on-Site staff and reviewed by a State Certified Professional Geologist. Boring Logs are provided in Appendix B.

Specific sampling approaches are outlined below:

- Discrete soil samples were obtained from 0.5 feet, 1.5 feet and 2.5 feet bgs depths from each boring. Soil samples were collected in laboratory supplied 8-ounce glass jars.
- The upper 0.5 feet and 1.5 feet bgs samples were analyzed for lead, OCPs, arsenic and/or PCBs, as shown in Table 1. Approximately 10% of the samples collected from the 0.5 feet bgs interval (8 samples) were analyzed for PCBs based on field observations and discussions



with District personnel. Select 2.5 feet bgs samples were analyzed for lead, arsenic and/or OCPs and a majority of the 2.5 feet bgs samples were placed on hold. The 2.5 feet bgs samples were intended to allow analysis in a tiered fashion for vertical delineation of soil contamination, such that the deeper 2.5 feet bgs samples would be analyzed if shallow sample results revealed significant concentrations of lead, arsenic or OCPs. A detailed summary of the sample analytical results is included in Table 1.

- Field duplicate samples were collected during the PEA sampling activities at an approximate ratio of 1 duplicate sample for every 10 original samples. The duplicate sample was collected immediately after the original sample. Due to the heterogeneity of the soil matrix the results for duplicate samples may vary from the results of the original sample. The duplicate samples were analyzed for the same parameters as the original samples collected from the same boring and similar interval.
- An equipment rinsate blank was collected from the reusable sampling equipment (hand auger). The equipment blank was collected by pouring distilled water over the cleaned and rinsed hand auger bucket and collecting the poured water in laboratory supplied sample container(s). The equipment blank sample was analyzed for the same parameters as the soil matrix sample(s) collected during the investigation.

Samples were analyzed for the following compounds:

- Arsenic and/or Lead by EPA Method 6010B,
- OCPs by EPA Method 8081A, and/or
- PCBs by EPA Method 8082.

2.4.2 Sample Handling and Storage

In the field, each sample container was marked with their unique sampling location number, date and time of sample collection. Each of the sample containers were wiped with clean paper towels, sealed in a plastic bag, and securely packed in a cooler on ice, in preparation for delivery to the laboratory.



2.4.3 Sample Custody

An entry was made on a chain-of-custody form supplied by the laboratory for each sample that was submitted to the laboratory for analysis. The information recorded included the sampling date and time, sample identification number, matrix type, requested analyses and methods, preservatives, and the sampler's name. Sampling team members maintained custody of the samples until they were relinquished to laboratory personnel or professional courier service. The cooler was appropriately sealed before it was relinquished to laboratory personnel. The chain-of-custody form accompanied the samples from the time of collection until received by the laboratory. Each party in possession of the samples signed the chain-of-custody form signifying receipt.

Collected soil samples were transported using standard chain-of-custody protocol to Advanced Technology Laboratories of Signal Hill, California, an analytical testing laboratory accredited by the California Department of Public Health (CDPH). Upon receipt, the laboratory inspected the condition of the sample containers and reported the information on chain-of-custody or similar form.

A copy of the original completed chain-of-custody form was provided by the laboratory along with the report of results. Appendix D contains copies of the laboratory analytical reports.

2.4.4 Equipment Decontamination

Any equipment that came into contact with potentially contaminated soil or water was decontaminated consistently to assure the quality of samples collected. Disposable equipment intended for one time use was not decontaminated, but was packaged for appropriate disposal. Decontamination occurred prior to and after each use of a reusable piece of equipment. The sampling devices used (e.g., hand auger) were decontaminated using the following procedures:

- Non-phosphate detergent and tap water scrub, using a brush if necessary;
- Tap water rinse; and
- Final deionized/distilled water rinse.



2.5 <u>Laboratory Quality Control</u>

The laboratory data package provided includes quality control sample results for blanks, matrix spike/matrix spike duplicates, surrogate recoveries, and laboratory control samples/laboratory control sample duplicates, as specified by the method. The laboratory also provided narrative stating whether or not quality control guidelines were met and listed discrepancies and laboratory data qualifiers. The laboratory reports containing the quality control results are included in Appendix D.

2.6 Abandonment of Soil Borings

Upon completion of sampling, all soil borings were backfilled with native soil (soil cuttings) and tamped per the request of the District personnel. Boring locations were resurfaced with concrete dyed black to match existing asphalt hardscape, as applicable.

2.7 Investigation Derived Waste Management

In the process of collecting environmental samples during the PEA activities, different types of potentially contaminated Investigation Derived Waste (IDW) were generated that included used PPE, disposable sampling equipment, excess soil cuttings, and decontamination fluids.

Listed below are the procedures that were followed for handling the IDW:

- Used PPE and disposable equipment were double bagged and placed in a municipal refuse dumpster. These wastes are not considered hazardous and could be sent to a municipal landfill.
- Remaining soil cuttings (not used as backfill) and decontamination wastewater were placed in US Department of Transportation (DOT)-approved 55-gallon drums. The drums were labeled and sealed, pending receipt of analytical results, waste profiling and off-Site disposal.

Two 55-gallon drums containing IDW were generated during the PEA. The first 55-gallon drum contained excess soil cuttings from the hand-auger borings while the second drum contained sample equipment decontamination water. Grab samples were collected directly from the 55-gallon drums containing IDW after the completion of the soil borings on March 22, 2016 (Sample IDs "WC-Soil" and



"WC-Liquid", Appendix D). IDW samples were analyzed for the following compounds:

- California Code of Regulations (CCR) Title 22 Code of Administrative Manual (CAM) 17 metals (CAM 17 metals) by EPA Method 6010B/7471A,
- OCPs by EPA Method 8081A, and
- Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Oil Range Organics (ORO) by EPA Method 8015B.

Additionally, one sample (FB4-4-0.5) was also analyzed for lead using the Waste Extraction Test for Soluble Threshold Limit Concentration (STLC) by EPA Method 6010B, because the Total Threshold Limit Concentration (TTLC) lead result in this sample was greater than 50 mg/kg. With the result below the STLC regulatory limit of 5 mg/L, the material is considered non-hazardous under California waste disposal regulations, per the California Code of Regulations, Title 22, Chapter 11, Article 3.

The PEA and IDW sample results indicate that the IDW is classified as nonhazardous waste. The two drums were transported to Waste Management in Kettleman City, California for disposal. Appendix E provides waste disposal documentation.



3.0 RESULTS

Information collected from Leighton's hand-auger soil borings (Appendix B) indicated that the upper four inches from each boring was characterized by asphalt material in areas surrounding the former portable classroom buildings, and sandy top soil material beneath the portable classroom buildings. Between four inches and 2.5 feet bgs, Leighton typically observed poorly graded sand some silty sand at depth. In general the soil was observed to be brown in color and moist with no chemical odor or visible hydrocarbon staining. Groundwater was not encountered in any of the boreholes during the sampling activities. During the PEA, soil samples were collected from three depth intervals (0.5, 1.5 and 2.5 feet bgs) from 61 distinct soil borings. From these samples, all of the 0.5 and 1.5 feet bgs samples were analyzed along with 4 of the 2.5 feet bgs samples for lead, arsenic, and/or OCPs. Approximately 10% of the 0.5 feet samples (8 of the 61 samples) were analyzed to screen shallow soil for PCBs. The remaining samples collected from the 2.5 feet bgs depth interval were not analyzed based on the laboratory results from the shallower samples which were below screening levels and did not require vertical delineation.

This PEA was revised on June 8, 2016 to include PCB results for four samples which were not previously reported. Due to a laboratory receiving error, these samples were not logged properly for PCB analysis and were analyzed past hold time. The data has been qualified with a H1 data qualifier as shown in Table 1 and in select laboratory reports in Appendix D.

Duplicate samples show similar results to the original samples considering the observed heterogeneity of the soil matrix. The equipment blank sample results indicated non-detectable levels of arsenic, lead, OCPs and PCBs. Field procedures (sampling and decontamination) were conducted in compliance with the above procedures. Laboratory procedures were in compliance with the method requirements, including acceptable reporting limits, laboratory selection, and laboratory reporting of quality control information. Only one boring was not installed as planned (FB9-3) therefore, the completeness percentage of 98% was achieved and represents an acceptable level of completeness. The decision to omit soil boring FB9-3 was made in the field based on a discussion with District personnel regarding potential site facilities in the vicinity that could not be disturbed. Acceptable sensitivity was achieved by selecting analytical methods with reporting limits suitable for comparison with action levels. Overall, the dataset is considered to be of acceptable quality. As such, the data set is considered acceptable for use in assessing human health risk at the Site.



In summary, the soil matrix analytical results indicate the following:

- Low concentrations of OCPs were detected in eight samples. Detections included 4,4-DDE, 4,4-DDT, alpha-Chlordane, Chlordane, and gamma-Chlordane. All concentrations for the above compounds were below published regulatory screening levels (Table 1).
- Lead was detected at concentrations below the EPA Region 9 Regional Screening Level (RSL) of 400 mg/kg (RSL for soil considering residential land use) (EPA, 2016) and below the DTSC-modified screening level of 80 mg/kg (screening level for use in human health risk assessments) (DTSC, 2016) in all soil samples analyzed (Table 1). The concentration of lead in 122 soil samples analyzed ranged from 1.8 mg/kg (FB1-4 at 1.5 feet bgs) to 70 mg/kg (FB6-4 at 0.5 feet bgs).
- Arsenic was detected at concentrations below the DTSC-adopted background arsenic concentration of 12 mg/kg (DTSC, 2008) in all soil samples analyzed (Table 1). The concentration of arsenic in 139 soil samples analyzed ranged from 1.2 mg/kg (FB6-3 at 1.5 feet bgs [duplicate]) to 8.5 mg/kg (FB7-4 at 0.5 feet bgs).
- PCB concentrations were below the laboratory detection limit in the subset of soil samples chosen for PCB analysis (8 samples collected from a depth of 0.5 feet bgs) (Table 1).



4.0 HUMAN HEALTH SCREENING EVALUATION

The low concentrations of OCPs detected in eight samples were below published regulatory screening levels (Table 1). Lead was not detected above 80 mg/kg in any soil sample. Arsenic was not detected above the DTSC-adopted background arsenic concentration for Southern California of 12 mg/kg (DTSC, 2008) in any soil sample. PCBs were not detected in the subset of soil samples chosen for PCB analysis (8 samples collected from a depth of 0.5 feet bgs).

The PEA sampling results presented in this report, demonstrate that shallow soil analytical results for OCPs, lead, arsenic and PCBs at the Site were either below detection or below regulatory screening levels. Therefore, Leighton considers that, from a human health risk evaluation standpoint, the Site has satisfactorily met the risk threshold that is typical of a similar school Site operation in the State of California for these COPCs in shallow soil.



5.0 COMMUNITY PROFILE

5.1 <u>Community Demographics</u>

A brief summary of the community demographics for the zip code 91607 in Los Angeles County According to the 2010 US Census (factfinder.census.gov) is as follows:

- Total population: 27,927
- Male: 13,635 (48.8%)
- Female: 14,292 (51.2%)
- Median Age: 38.2
- Population 18 years and over: 82.5%
- Total Housing units: 12,859
- Average Household Size: 2.15
- Population by race: White: 18,523 (66.3%) Hispanic or Latino: 5,463 (19.6%) Asian: 1,586 (5.7%) Black or African American: 1,470 (5.3%) Other: 885 (3.1%)

5.2 Local Participation and Involvement

At the time of this investigation, Leighton is not aware of any current or past media coverage with relation to the School property or the Site. A community meeting was hosted by the Community Relations Department of the LAUSD Facilities Services Division on January 28, 2016 and interested community members were given the opportunity to sign up for a project work notice mailing list. A fact sheet, in the form of a flyer, was produced in English and Spanish (double-sided flyer) to provide members of the community with details regarding the PEA investigation including who would perform the work, project schedule, when and where the results of the investigation would be posted, and who to contact regarding additional information. This work notice flyer was handed out to all Colfax Charter Elementary School staff, mailed to all parents of students and interested community members added to the work notice mailing list at the



community meeting, hand-delivered to all line-of-site neighbors of the School, and posted along the boundary fence of the School property.

No specific environmental concerns or issues have been brought to the District's attention regarding the onsite activities at this time. In terms of project visibility, the onsite work took place during a School shut down (Spring break) to minimize any interference with school activities. Line-of-site neighbors, School staff, parents and interested community members were given copies of the work notice flyer. At this time, Leighton is unaware of environmental concerns or issues with relation to neighboring sites.



6.0 OPINION OF ENVIRONMENTAL PROFESSIONAL

Adequate data exists to screen shallow soil in the vicinity of FB9-3, and that this boring was not installed does not appear significant to affect the conclusions and recommendations in this report.

This PEA was revised on June 8, 2016 to include PCB results for four samples which were not previously reported. Due to a laboratory receiving error, these samples were not logged properly for PCB analysis and were analyzed past hold time. The data has been qualified with a H1 data qualifier as shown in Table 1 and in select laboratory reports in Appendix D. As qualified, these PCB results appear acceptable for screening level assessment.

Based on the PEA sampling results (Table 1), no significantly elevated levels of lead, arsenic, OCPs or PCBs were reported for shallow soil in the areas investigated. A no further action determination appears warranted for the COPCs in shallow soil at the Site. Limitations that apply to this PEA equivalent study are shown in Section 8.0.



7.0 CONCLUSIONS AND RECOMMENDATIONS

The Site is comprised of two areas, referred to as the east and west development areas, within the Colfax Charter Elementary School property (Figure 2 and Figure 3). The primary objectives of this PEA were to assess shallow soil for potential environmental concerns identified in the Phase I ESA for the Site; and to evaluate the overall Site health risk based on soil analytical screening results for COPCs (lead, arsenic, OCPs and PCBs).

As presented in this PEA equivalent report, shallow soil analytical results for OCPs, lead, arsenic and PCBs at the Site were either below detection or below regulatory screening levels. Evaluation of the analytical results presented in this report show the data to be of acceptable quality, as qualified. Therefore, Leighton considers that, from a human health risk evaluation standpoint, the Site has satisfactorily met the risk threshold that is typical of a similar school Site operation in the State of California for these COPCs.

Based upon the findings presented in this report, Leighton concludes that no further action is warranted for arsenic, lead, OCPs and PCBs in shallow soil at the Site and no restrictions should be placed on the planned LAUSD Colfax Charter Elementary School Classroom Addition Project based on this PEA equivalent study. On behalf of the District, Leighton Consulting, Inc. recommends a No Further Action determination for the Site.



8.0 LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. Opinions, conclusions, and recommendations contained in this report apply to conditions existing when the services were performed and are intended only for the client, purposes, locations, time frames, and project parameters Where subsurface exploratory work, monitoring, and/or testing was indicated. performed, our professional opinions and conclusions are based in part on interpretation of data from discrete sampling or measurement locations that may not represent actual conditions at un-sampled or un-measured locations. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of the services. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when the services were performed. We do not warranty the accuracy of information supplied by others, or the use of segregated portions of this report.

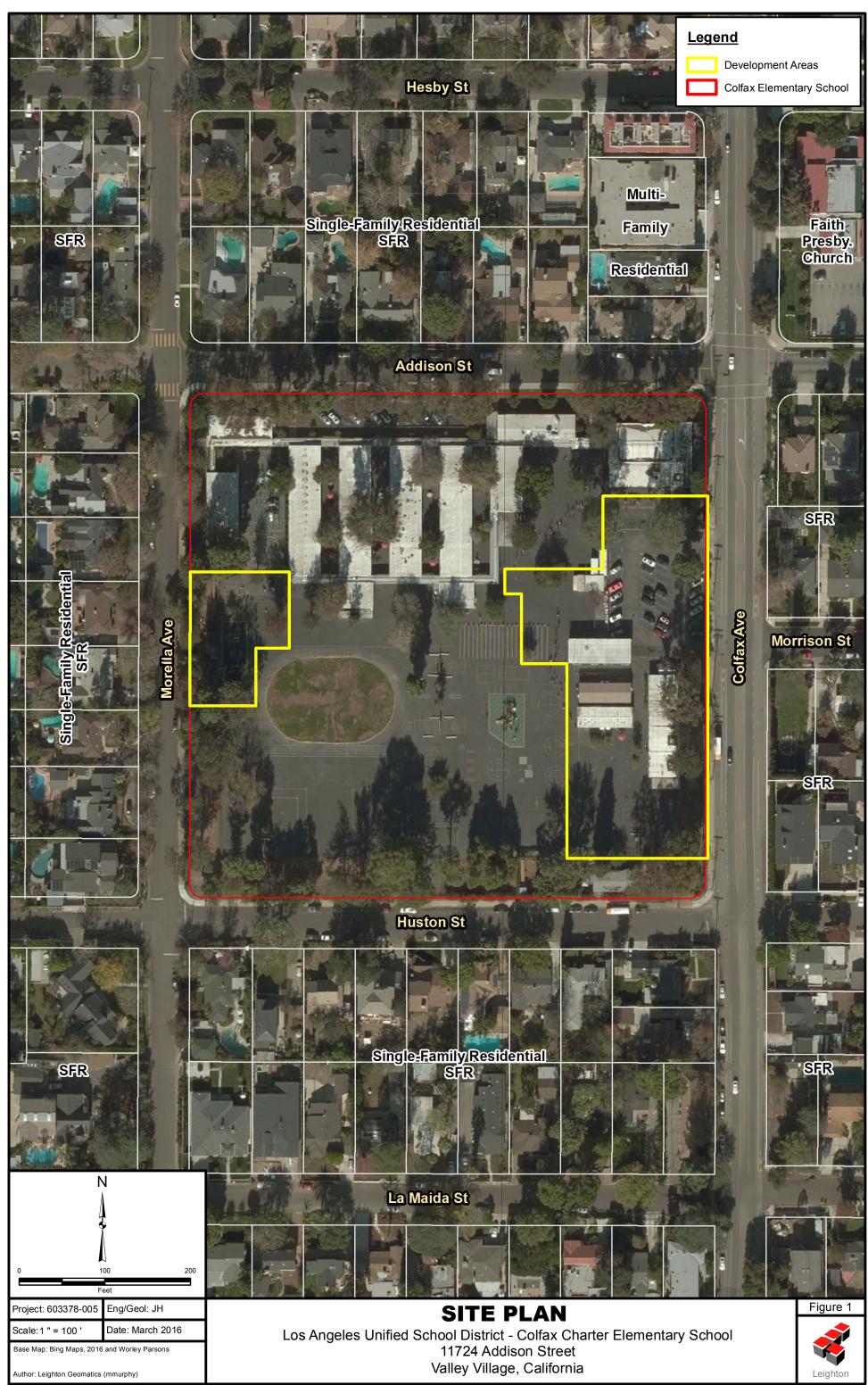
This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Leighton should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

Leighton's professional opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analyses data. Further assessment of potential adverse environmental impacts from past on-Site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between and beyond the sampling locations. Variations in soil conditions likely exist beyond the points explored in this assessment and related excavation.

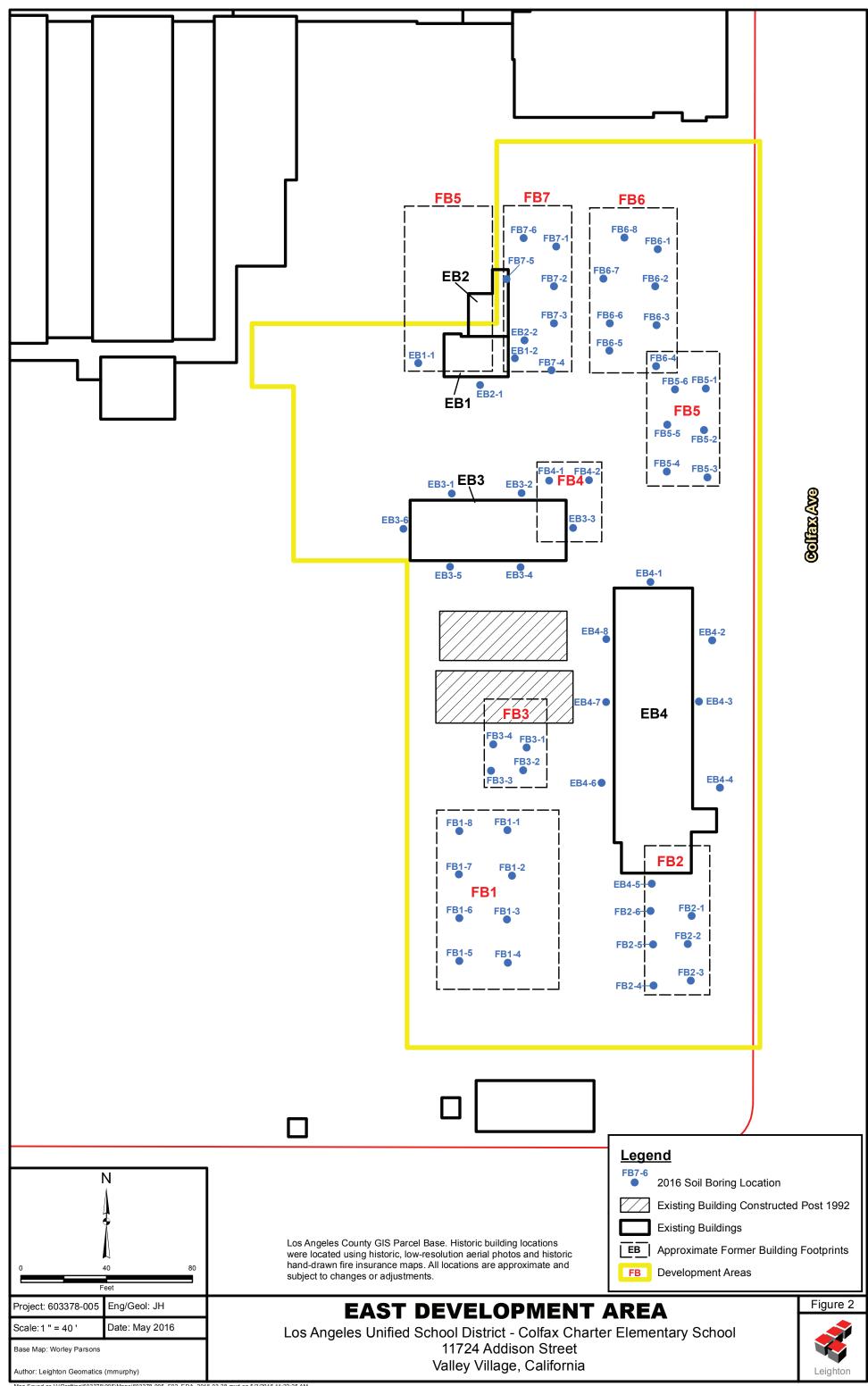


FIGURES

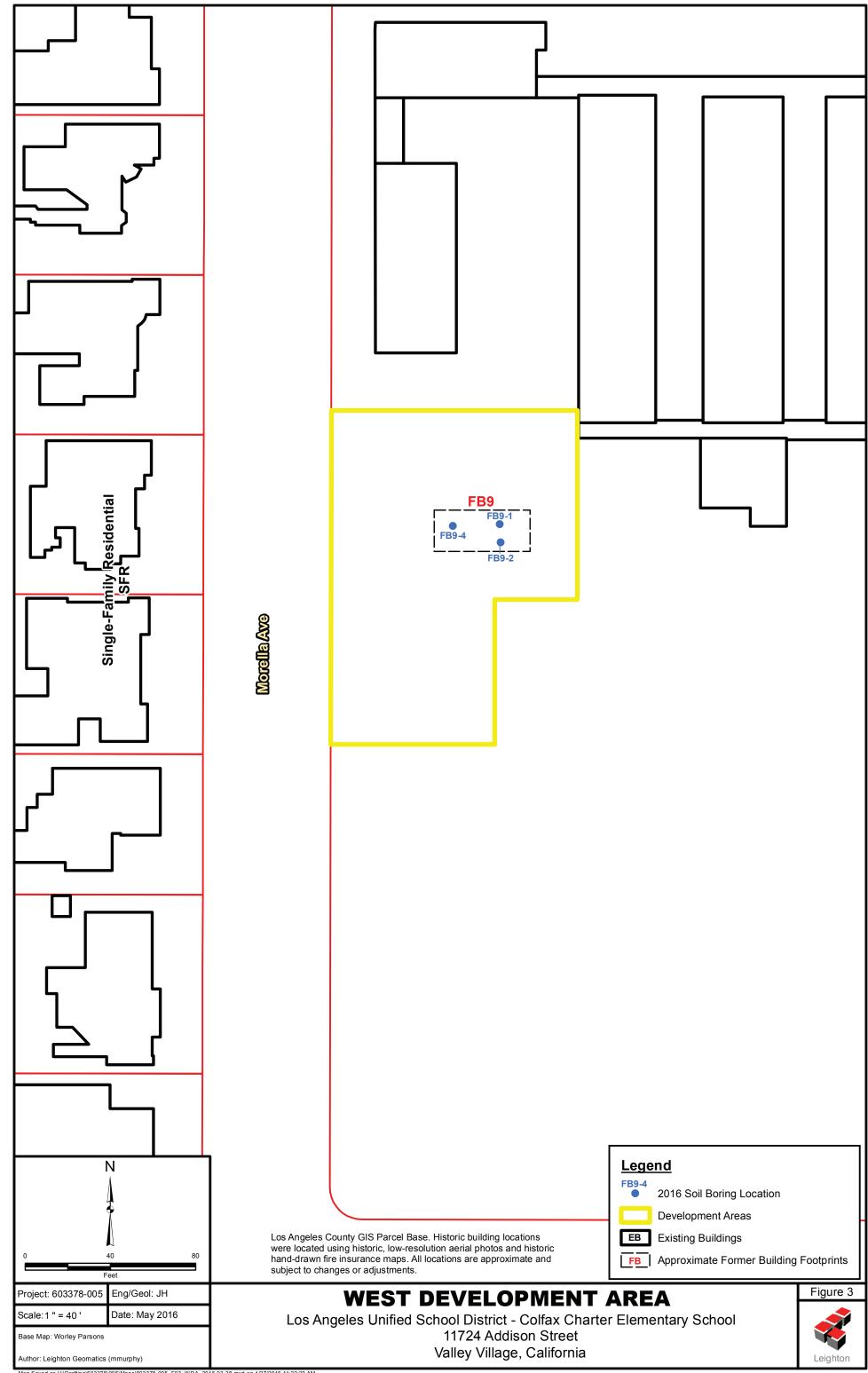




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TABLES



TABLE 1 Summary of Soil Sampling Results – Organochlorine Pesticides (OCPs), Arsenic, Lead and Polychlorinated Biphenyls (PCBs) Colfax Charter Elementary School, 11724 Addison Street, Valley Village, California

Location	Boring ID	Sample ID	Sample Depth (feet	Date Sampled		OC	Ps by EPA Me	thod 8081 (uç	g/kg)			Lead by EPA)10B (mg/kg)	PCBs by EPA Method 8082
			bgs)	Jampieu	4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)
		FB1-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.4	6.3	-
	FB1-1	FB1-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.7	2.9	-
		FB1-1-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-2-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.9	8.4	-
	FB1-2	FB1-2-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.2	4.2	-
		FB1-2-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-3-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.3	3.5	-
		FB1-3-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	5.5	-
	FB1-3	FB1-3-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-3-2.5-D	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-4-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	7.6	ND (H1)
	FB1-4	FB1-4-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	1.8	-
Former		FB1-4-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
Building 1		FB1-5-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	4.0	-
U	FB1-5	FB1-5-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.9	1.9	-
		FB1-5-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-6-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.5	2.9	-
	FB1-6	FB1-6-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	1.9	-
		FB1-6-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-7-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.3	3.0	-
		FB1-7-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.2	5.0	-
	FB1-7	FB1-7-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-7-2.5-D	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB1-8-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.6	4.2	-
	FB1-8	FB1-8-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.1	4.2	-
		FB1-8-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB2-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	8.9	<1.0	ND	4.6	7.8	-
		FB2-1-0.5-D	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.9	8.0	-
	FB2-1	FB2-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	3.3	-
		FB2-1-2.5	2.5	3/21/2016	-	-	-	-	-	_		-	-
Former		FB2-2-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	5.2	-
Building 2	FB2-2	FB2-2-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	5.6	-
		FB2-2-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	_
		FB2-3-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	8.9	ND
	FB2-3	FB2-3-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.5	6.3	-
		FB2-3-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	_

TABLE 1Summary of Soil Sampling Results – Organochlorine Pesticides (OCPs), Arsenic, Lead and Polychlorinated Biphenyls (PCBs)Colfax Charter Elementary School, 11724 Addison Street, Valley Village, California

Location Former Building 2	Boring ID	Sample ID	Sample Depth (feet	Date		-	Ps by EPA Me	Arsenic & Lead by EPA Method 6010B (mg/kg)		PCBs by EPA Method 8082			
			bgs)		4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)
		FB2-4-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	7.4	-
	FB2-4	FB2-4-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	2.1	-
		FB2-4-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB2-5-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.6	6.8	-
Former	FB2-5	FB2-5-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	Method 6010B (mg/kg) Arsenic Lead 2.4 7.4 1 2.5 2.1 1 - - 1 2.6 6.8 1 2.3 2.1 1 3.0 2.1 1 - - 1 3.0 2.1 1 - - 1 3.0 2.2 1 - - 1 3.0 2.2 1 - - 1 3.1 5.3 1 2.6 7.6 1 3.1 5.3 1 2.6 7.6 1 3.1 5.3 1 3.1 5.3 1 3.1 5.3 1 3.1 5.3 1 3.2 3.0 1 3.1 2.7 1 3.2 3.0 1 3.7 4.6 1 3.0 7.0 1	-	
Building 2	FB2-3	FB2-5-1.5-D	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	2.1	-
		FB2-5-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB2-6-0.5	0.5	3/21/2016	3.7	<2.0	<1.0	<8.5	<1.0	ND	2.6	16	-
	FB2-6	FB2-6-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	2.2	-
		FB2-6-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	010B (mg/kg) Lead 7.4 2.1 - 6.8 2.1 2.1 - 16 2.2 - 7.9 4.5 7.6 - 5.3 2.7 - 5.3 2.7 - 3.0 8.5 - 4.6 2.7 - 3.0 8.5 - - 3.0 8.5 - - 3.0 8.5 - - 7.0 2.5 - 17 18 2.4	-
		FB3-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.4	7.9	-
		FB3-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND		4.5	-
	FB3-1	FB3-1-1.5-D	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND			-
		FB3-1-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB3-2-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.1	5.3	-
F	FB3-2	FB3-2-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.1	2.7	-
		FB3-2-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	2.6 4.5 2.6 7.6 - - 3.1 5.3 2.1 2.7 - - 3.2 3.0 2.4 8.5 - -	-
Building 3		FB3-3-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.2		-
	FB3-3	FB3-3-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND			-
		FB3-3-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB3-4-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.7	4.6	-
	FB3-4	FB3-4-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND			-
		FB3-4-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		FB4-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	3.3	-
		FB4-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND		D10B (mg/kg) Lead 7.4 2.1 - 6.8 2.1 2.1 - 16 2.2 - 16 2.2 - 7.9 4.5 7.6 - 5.3 2.7 - 5.3 2.7 - 3.0 8.5 - 4.6 2.7 - 3.0 8.5 - 3.0 8.5 - - 3.3 2.5 - - 3.3 2.5 - - 3.3 2.5 - - 3.1 7.0 1.5 - - 3.3 2.5 - - 3.1 7.0 1.5 - - 3.1 7.0 1.5 - - 3.1 7.0 1.5 - - 3.1 7.0 1.5 - - - 3.1 7.0 1.5 - - - 3.1 7.0 - - - - 3.3 2.5 - - - 7.0 1.5 - - - 7.0 1.5 - - - - 7.0 1.5 - - - - 7.0 1.5 - - - 7.0 1.5 - - - 7.0 1.5 - - - 7.0 1.5 - - 1.7 1.5 - - - 1.7 1.5 - - 1.7 1.5 - - - 1.7 1.5 - - - 1.7 1.5 - - - 1.7 1.5 - - 1.7 1.5 - - - 1.7 1.5 - - - 1.7 1.5 - - - - 1.7 1.5 - - - - 1.7 1.5 - - - - 1.7 1.5 - - - - - - - - - - - - -	-
_	FB4-1	FB4-1-2.5	2.5	3/21/2016	-	-	-	-	-	-	-		-
Former		FB4-1-2.5-D	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
Building 4		FB4-2-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	7.0	ND
	FB4-2	FB4-2-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND			-
		FB4-2-2.5	2.5	3/21/2016	-	-	-	-	-	-			-
		FB5-1-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	4.6	17	-
Former		FB5-1-0.5-D	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND			-
Building 5	FB5-1	FB5-1-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND			-
Ŭ		FB5-1-2.5	2.5	3/22/2016	-	-	-	-	-	-	-		-

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Location	Boring ID	Sample ID	Sample ID	Sample Depth (feet	Date Sampled		·	Ps by EPA Me					-	PCBs by EPA Method 8082
			bgs)		4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)	
		FB5-2-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	4.1	22	-	
	FB5-2	FB5-2-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.1	2.2	-	
	1 00-2	FB5-2-1.5-D	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	4.6	-	
		FB5-2-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB5-3-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	4.3	20	-	
	FB5-3	FB5-3-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.9	2.6	-	
		FB5-3-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
Former		FB5-4-0.5	0.5	3/22/2016	<10 D1	<10 D1	5.4	50	6.1	ND	4.7	21	-	
Building 5	FB5-4	FB5-4-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	2.7	-	
		FB5-4-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB5-5-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	3.9		-	
	FB5-5	FB5-5-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.2	2.8	-	
		FB5-5-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB5-6-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	5.2		ND (H1)	
	FB5-6	FB5-6-1.5	1.5	3/22/2016	<2.0	<2.0	4.7	48	5.1	ND	2.2	8.1	-	
		FB5-6-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB6-1-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4		-	
	FB6-1	FB6-1-0.5-D	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	4.2		-	
		FB6-1-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.1	2.5	-	
		FB6-1-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB6-2-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	3.6		-	
	FB6-2	FB6-2-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.9	2.5	-	
		FB6-2-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB6-3-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	5.6		-	
Former	FB6-3	FB6-3-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.6		-	
Building 6		FB6-3-1.5-D	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.2	2.3	-	
Dullaring 0		FB6-3-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
	FB6-4	FB6-4-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	51	5.3	ND	4.7	10B (mg/kg) Lead 22 2.2 4.6 - 20 2.6 - 21 2.7	-	
	1 00-4	FB6-4-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	4.2	-	
		FB6-4-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	d 6010B (mg/kg) ic Lead 22 2.2 4.6 - 20 2.6 - 21 2.7 - 21 2.7 - 21 2.7 - 21 2.7 - 23 8.1 - 6.7 23 8.1 - 6.7 23 2.5 - 18 2.5 - 18 2.5 - 18 2.5 - 1.3 mg/L ⁵) 4.2 - 6.7 3.2 3.4	-	
		FB6-5-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.1		-	
		FB6-5-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.1		-	
	FB6-5	FB6-5-1.5-D	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	C Lead 22 2.2 4.6 - 20 2.6 - 21 2.7 - 18 2.3 8.1 - 6.7 23 8.1 - 18 2.5 - 18 2.5 - 1.3 mg/L ⁵) 4.2 - 6.7 3.4	-	
		FB6-5-2.5	2.5	3/22/2016	-	-	-	-	-	-	-		-	

TABLE 1 Summary of Soil Sampling Results – Organochlorine Pesticides (OCPs), Arsenic, Lead and Polychlorinated Biphenyls (PCBs) Colfax Charter Elementary School, 11724 Addison Street, Valley Village, California

Location	Boring ID	Sample ID	Sample Depth (feet	Date		OC	Ps by EPA Me			PCBs by EPA Method 8082			
			bgs)	Sampled	4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)
		FB6-6-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.6	9.7	-
	FB6-6	FB6-6-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	2.4	-
	1 00-0	FB6-6-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	9.7 2.4 - 7.8 2.6 - 7.8 2.6 - 7.0 2.2 - 4.3 2.3 - 4.3 2.3 - 7.0 2.2 - 7.0 2.2 - 7.0 2.2 - 7.0 2.3 - 5.5 4.8 - 5.5 4.8 - - 3 2.6 - - 3 2.3 - - - - - - - - - - - - -	-
		FB6-6-2.5-D	2.5	3/22/2016	-	-	-	-	-	-	-		-
Former		FB6-7-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.9		-
Building 6	FB6-7	FB6-7-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.9	2.6	-
Building 0	FD0-7	FB6-7-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB6-7-2.5-D	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB6-8-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	5.0	7.0	-
	FB6-8	FB6-8-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	1.9	2.2	-
		FB6-8-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB7-1-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	4.3	-
	FB7-1	FB7-1-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	- - - <8.5	ND	2.3	2.3	-
		FB7-1-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB7-2-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	5.3	2.9	-
	FB7-2	FB7-2-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	2.6	-
		FB7-2-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB7-3-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	6.9	2.6 - 7.9	-
	FB7-2 F F	FB7-3-0.5-D	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	5.2	5.3	-
	FD7-3	FB7-3-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.3	D10B (mg/kg) Lead 9.7 2.4 - - 7.8 2.6 - 7.0 2.2 - 4.3 2.3 - 4.3 2.3 - 2.9 2.6 - 7.9 5.3 2.3 - 7.9 5.3 2.3 - 5.5 4.8 - - 3 2.6 - 3 2.6 - 3 2.3 - - 3 2.3 - - 3 2.3 - - 3 2.6 - - - - - - - - - - - - -	-
Former		FB7-3-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
Former		FB7-4-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	8.5	D10B (mg/kg) Lead 9.7 2.4 - 7.8 2.6 - 7.0 2.2 - 4.3 2.3 - 2.9 2.6 - 7.9 2.6 - 7.9 2.6 - 7.9 5.3 2.3 - 5.5 4.8 - 5.5 4.8 - - 3 2.6 - - 3 2.3 - - - 3 2.3 - - - - - - - - - - - - -	-
Building 7	FB7-4	FB7-4-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.2	4.8	-
	ГD/-4	FB7-4-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	10B (mg/kg) Lead 9.7 2.4 - - 7.8 2.6 - 7.0 2.2 - 4.3 2.3 - 2.9 2.6 - 7.9 5.3 2.3 - 7.9 5.3 2.3 - 5.5 4.8 - - 3 2.6 - - 3 2.8 - - 3 2.3 - - 3 2.3 - - 3 2.3 - - - - - - - - - - - - -	-
		FB7-4-2.5-D	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB7-5-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	4.0	3	-
	FB7-5	FB7-5-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	2.6	-
		FB7-5-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
		FB7-6-0.5	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	5.4	38	-
	ED7 6	FB7-6-0.5-D	0.5	3/22/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	3.9	18	-
	FB7-6	FB7-6-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	8.8	-
		FB7-6-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-
Former Building 8	See Existing	Buildings EB1	and EB2.										

TABLE 1 Summary of Soil Sampling Results – Organochlorine Pesticides (OCPs), Arsenic, Lead and Polychlorinated Biphenyls (PCBs) Colfax Charter Elementary School, 11724 Addison Street, Valley Village, California

Location	Boring ID	Sample ID	Sample Depth (feet	Date			Ps by EPA Me				Arsenic & Method 60	PCBs by EPA Method 8082		
			bgs)	Sampled	4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)	
		FB9-1-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.6	6.0	-	
	FB9-1	FB9-1-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.6	2.4	-	
		FB9-1-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		FB9-2-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	4.7	-	
Former	FB9-2	FB9-2-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	3.2	-	
		FB9-2-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
Building 9	FB9-3	Boring FB9-3 v	vas not installe	ed due to con	cern that it wa	s too close to	gym facilities r	nearby that cou	uld not be distu	ırbed.				
		FB9-4-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.3	3.7	ND	
		FB9-4-0.5-D	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	4.5	-	
	FB9-4	FB9-4-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	2.1	-	
		FB9-4-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		EB1-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.0	4.7	-	
	EB1-1	EB1-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	12	-	
– • <i>•</i>		EB1-1-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-	
Existing		EB1-2-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	8.0	3.7	ND (H1)	
Building 1	EB1-2	EB1-2-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.8	5.1	-	
		EB1-2-1.5-D	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.6	6.5	-	
		EB1-2-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		EB2-1-0.5	0.5	3/21/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	3.1	2.8	-	
	EB2-1	EB2-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.6	-	-	
Existing		EB2-1-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-	
Building 2		EB2-2-0.5	0.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	4.4	3.9	-	
U	EB2-2	EB2-2-1.5	1.5	3/22/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.1	2.9	-	
		EB2-2-2.5	2.5	3/22/2016	-	-	-	-	-	-	-	-	-	
		EB3-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.6	6.5	-	
	EB3-1	EB3-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.9	-	-	
		EB3-1-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-	
		EB3-2-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.1	3.0	-	
	EB3-2	EB3-2-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.2	-	-	
Existing		EB3-2-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-	
Building 3		EB3-3-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.5	8.9	-	
5 -	EB3-3	EB3-3-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.3	3.0	-	
		EB3-3-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-	
		EB3-4-0.5	0.5	3/21/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	3.6	3.9	-	
	EB3-4	EB3-4-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.2	-	-	
		EB3-4-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-	

TABLE 1 Summary of Soil Sampling Results – Organochlorine Pesticides (OCPs), Arsenic, Lead and Polychlorinated Biphenyls (PCBs) Colfax Charter Elementary School, 11724 Addison Street, Valley Village, California

Location	Boring ID	Sample ID	Sample Depth (feet bgs)	Date Sampled			Ps by EPA Me			Lead by EPA 10B (mg/kg)	PCBs by EPA Method 8082		
			bgs)	oumpieu	4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)
		EB3-5-0.5	0.5	3/21/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	4.3	7.7	-
	EB3-5	EB3-5-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.1	-	-
Existing		EB3-5-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
Building 3		EB3-6-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.5	2.7	-
Building 5	EB3-6	EB3-6-0.5-D	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	2.2	ND (H1)
	ED3-0	EB3-6-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	-	-
		EB3-6-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		EB4-1-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.7	2.5	-
	EB4-1	EB4-1-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.4	-	-
		EB4-1-2.5	2.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.4	-	-
		EB4-2-0.5	0.5	3/21/2016	2.8	9.2	3.0	22	3.4	ND	5.5	20	-
	EB4-2	EB4-2-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.9	-	-
		EB4-2-2.5	2.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.8	-	-
	EB4-3	EB4-3-0.5	0.5	3/21/2016	<10 D1	<10 D1	<5.0 D1	<42 D1	<5.0 D1	ND	4.0	19	-
		EB4-3-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	5.5	-	-
		EB4-3-2.5	2.5	3/21/2016	<2.0	<2.0	9.4	93	8.5	ND	3.9	-	-
		EB4-4-0.5	0.5	3/21/2016	<2.0	4.4	<1.0	<8.5	<1.0	ND	4.8	14	ND
Existing	EB4-4	EB4-4-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.9	-	-
Building 4		EB4-4-2.5	2.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.4	-	-
		EB4-5-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.6	2.6	-
	EB4-5	EB4-5-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.3	2.3	-
		EB4-5-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		EB4-6-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.4	5.1	-
	EB4-6	EB4-6-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.3	-	-
		EB4-6-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		EB4-7-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	3.6	3.8	-
	EB4-7	EB4-7-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.3	-	-
	EB4-7	EB4-7-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
		EB4-7-2.5-D	2.5	3/21/2016	-	-	-	-	-	-	-	-	-

TABLE 1 Summary of Soil Sampling Results – Organochlorine Pesticides (OCPs), Arsenic, Lead and Polychlorinated Biphenyls (PCBs) Colfax Charter Elementary School, 11724 Addison Street, Valley Village, California

Location	Boring ID	Sample ID	Sample Depth (feet bgs)	Date		OCI	Ps by EPA Me			Lead by EPA)10B (mg/kg)	PCBs by EPA Method 8082		
				Sampled -	4,4-DDE	4,4-DDT	alpha- Chlordane	Chlordane (Total)	gamma- Chlordane	All Other OCPs	Arsenic	Lead	(ug/kg)
Existing		EB4-8-0.5	0.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.5	6.2	-
Building 4	EB4-8	B EB4-8-1.5	1.5	3/21/2016	<2.0	<2.0	<1.0	<8.5	<1.0	ND	2.0	-	-
Building 4		EB4-8-2.5	2.5	3/21/2016	-	-	-	-	-	-	-	-	-
Regulatory S	Screening Lev	els:											
[[DTSC HERO	HHRA Note 3 (January 2016) ¹	NA	NA	NA	430	NA	NA	0.067	80 ²	NA
	R	SLs (May 2016	6) ³		2,000	1,900	NA	1,700	NA	NA	0.68	400	NA
Southern (California Reg	gional Backgrou	Ind Level (DT	SC, 2008) ⁴	NA	NA	NA	NA	NA	NA	12	NA	NA

NOTES:

- 1. DTSC, HERO HHRA Note Number 3 (January 2016). Criteria selected: Residential soil, cancer endpoint (carcinogens), non-cancer endpoint (all others)
- 2. DTSC recommends that a 95% upper confidence limit on the arithmetic mean calculated to be 80 mg/kg or less is protective of human health
- 3. RSLs, Regional Screening Levels for Region 9, Updated May 2016, Criteria selected: Residential soil, Total Hazard Quotient = 1.0, Target risk of 1.0E-6 4. DTSC, Determination of a Southern California Regional Background Arsenic Concentration in Soil, March 2008.
- 5. Because TTLC lead was greater than 50 mg/kg, the sample was analyzed for lead using the Waste Extraction Test for STLC by EPA Method 6010B. With the result below the STLC regulatory limit of 5 mg/L, the material is non-hazardous under California waste disposal regulations, as per the California Code of Regulations, Title 22, Chapter 11, Article 3.

Acronyms/Abbreviations:

- bgs Below ground surface
- D1 Laboratory data qualifier indicating that the sample required dilution due to possible matrix interference.
- DTSC California Department of Toxic Substances Control
- EPA United States Environmental Protection Agency
- HERO Office of Human and Ecological Risk
- HHRA Human Health Risk Assessment
- mg/kg milligrams per kilogram
- mg/L milligrams per liter
- NA Not applicable or not available.
- ND Not detected above the laboratory reporting limit.
- OCPs Organochlorine Pesticides
- PCBs Polychlorinated biphenyls
- RSLs Regional Screening Levels (see Note 3, above)
- STLC Soluble Threshold Limit Concentration
- TTLC Total Threshold Limit Concentration
- ug/kg micrograms per kilogram
- 4,4-DDE Dichlorodiphenyldichloroethylene
- 4,4-DDT Dichlorodiphenyltrichloroethane
 - < 1.0 Analyte not detected above the referenced detection limit.
 - Not analyzed.
 - H1 Sample was analyzed past holding time, due to a laboratory sample receiving error where PCB analysis was not logged by the laboratory.

APPENDIX A REFERENCES



APPENDIX A

<u>References</u>

- California Department of Water Resources (DWR), Bulletin No. 104, Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County, Reprinted April 1998, Appendix A, Groundwater Geology, 1961.
- Soloff Surveying and Consulting, Title, Topographic and Utility Mapping, ALTA Survey, Colfax Elementary School, 11724 Addison Street, Los Angeles, CA 91607, Drawing No. CES-1.DWG, August 7, 2015.
- State of California Environmental Protection Agency Department of Toxic Substances Control (DTSC), Interim Guidance, Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers, dated June 9, 2006.
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- _____, Interim Guidance for Sampling Agricultural Properties (Third Revision), dated April 30, 2008.
- _____, Preliminary Endangerment Assessment Guidance Manual, January 1994, Revised October 2015.
- _____, Human Health Risk Assessment (HRRA) Note Number: 3, DTSC-modified screening levels, https://www.dtsc.ca.gov/AssessingRisk/upload/HHRA-Note-3-2016-01.pdf, January 2016.
- United States Census Bureau, Profile of General Population and Housing Characteristics: 2010, Zip Code 91607, http://factfinder.census.gov/, 2010.
- United States Environmental Protection Agency (EPA), Regional Screening Levels, Region 9: Pacific Southwest, Residential Soil Tables (TR-1E-06, THQ=1.0), http://www.epa.gov/region9/superfund/prg/, May 2016.
- WorleyParsons, Phase I Environmental Site Assessment, Colfax Elementary School, 11724 Addison Street, Los Angeles, California, January 21, 2016.



APPENDIX B BORING LOGS





								BORING/WELL NUMBER EB1 Area
	JECT N							Dol Soil Sampling DATE DRILLED 3/21/2016
	ATION							age, CA CASING TYPE/DIAMETER
-		METHOD						
								GROUT TYPE
								DEPTH TO WATER
								TOTAL DRILL DEPTH 2.5 ft.
REM	IARKS					1		
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
						SP		Poorly-graded SAND, brown, moist, fine only to fine to medium grained sand, contains locally trace coarse grains or very fine grained sand and some non-plastic fines
-	-							
							· · · ·	
_	-							
GE_SBL LAUSD COLFAX ES BORING LOGS.GPJ LAEWNN01.GDT 4/19/16								Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
GE_SBL LA	_							



		UMBER						BORING/WELL NUMBER EB2 Area
	JECT N							ool Soil Sampling DATE DRILLED 3/21/2016
	ATION							age, CA CASING TYPE/DIAMETER
-		METHO						FILTER PACK TYPE
								GROUT TYPE
								DEPTH TO WATER
								TOTAL DRILL DEPTH 2.5 ft.
REIM	ARKS						· · ·	
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
						SP		Poorly-graded SAND, brown, moist, fine only to fine to medium grained sand, contains locally trace coarse grains or very fine grained sand and some non-plastic fines
	_						· · · ·	
							· · · ·	
GE_SBL LAUSD COLFAX ES BORING LOGS.GPJ LAEWNN01.GDT 4/19/16	_							Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
GE_SBL LAUSD COLFAX ES BOR								



PROJ	IECT N	UMBER	6033					BORING/WELL NUMBER EB3 Area
PROJ							-	ool Soil Sampling DATE DRILLED 3/21/2016
LOCA	TION	Colf	ax Eleme	enta	ry Scho	ool, Va	lley Vill	age, CA CASING TYPE/DIAMETER
DRILI	LING M	ethod	Hand	d Au	iger			SCREEN TYPE/SLOT
SAMF	LING N	NETHOD						FILTER PACK TYPE
GROU	JND EL	EVATIO						GROUT TYPE
								DEPTH TO WATER
								TOTAL DRILL DEPTH 2.5 ft.
REM/								
						1		
DEPTH (ft. BGL)	DEPTH (ft. BGL) (ft. BGL) BLOW COUNTS RECOVERY (inches)			EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
						SP	· . ·	Poorly-graded SAND, brown, moist, fine only to fine to medium grained sand, contains
							. [.]	locally trace coarse grains or very fine grained sand and some non-plastic fines
							.· ·.	
							$ \cdot \cdot $	
	-					-sm-	· _ +	SILTY SAND, brown, moist. fine to medium grained sand with non-plastic fines
								SILTE SAND, DOWN, MOISE HER ROMERIUM GRAINER SAND WITH NON-PLASTIC TIMES
	-							
								Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs
GE_SBL_LAUSD_COLFAX_ES_BORING_LOGS.GPJ_LAEWINN01.GDT_4/19/16	-							No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
GE_SBL LAUSD COLF/	-							



PROJECT NUMBER	Area				
PROJECT NAME LAUSD Colfax Elementary School Soil Sampling DATE DRILLED 3/21/2016					
LOCATION Colfax Elementary School, Valley Village, CA CASING TYPE/DIAMETER					
DRILLING METHOD Hand Auger SCREEN TYPE/SLOT	FILTER PACK TYPE				
	_ GROUT TYPE				
TOP OF CASING ELEV DEPTH TO WATER					
LOGGED BY WBS TOTAL DRILL DEPTH 2.5 ft.					
REMARKS					
Lithorogic description	DN				
4 inches of asphalt (EB4-1, EB4-5, EB4-6, EB4-7, EB4-8 locations	3 only); topsoil in non-paved				
B1-0.5 B101-0.5 B101-0.5 B101-0.5 B102-1.5 B102-	d with non-plastic fines, some				
Image: State of the state o	grade with black-dyed concrete				



PRO	JECT N	UMBER						BORING/WELL NUMBER _ FB1 Area
	JECT N						-	bol Soil Sampling DATE DRILLED 3/21/2016
	ATION							age, CA CASING TYPE/DIAMETER
	LING M							SCREEN TYPE/SLOT
	PLING							FILTER PACK TYPE
								GROUT TYPE
								DEPTH TO WATER
		<u></u> W	BS					TOTAL DRILL DEPTH2.5 ft.
REM	ARKS							
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
			B2-0.5			SP		Poorly-graded SAND, brown, moist, fine only to fine to medium grained sand, coarsens upward to SW in west portion of the area, slightly more reddish brown in coarser grained soils
_	_							
			B2-1.5					
_	-							
LAEWNN01.GDT 4/19/16	-							Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
GE_SBL LAUSD COLFAX ES BORING LOGS.GPJ LAEWNN01.GDT 4/19/16	-							



	PROJ	PROJECT NUMBER				005			BORING/WELL NUMBER FB2 Area
	PROJ	ECT N/	AME	LAUSE	<u>) C</u>	olfax El	ementa	ary Sch	ool Soil Sampling DATE DRILLED 3/21/2016
	LOCA	TION	Col					-	age, CA CASING TYPE/DIAMETER
									SCREEN TYPE/SLOT
			IETHO						FILTER PACK TYPE
									GROUT TYPE
			VV	5					TOTAL DRILL DEPTH 2.5 ft.
	REMA	KKS							
	DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
									4 inches of asphalt (FB2-4, FB2-5, FB2-6 only); topsoil in non-paved locations
							SP	· . ·	Poorly-graded SAND, brown to light brown, moist, fine grained sand
				DA				$ \cdot \cdot $	r cong graded on the, brown to light brown, molet, line granied dand
				B3-0.5				$ \cdot \cdot $	
								$ \cdot\cdot $	
								<u> </u> ∙. •	
								· · ·	
								<u> </u> .∵	
								.··.	
								<u> </u> ∙	
SBL LAUSD COLFAX ES BORING LOGS GPJ LAEWNN01.GDT 4/19/16									Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete (where cored).
В	- 5 -								



PROJ	JECT N	UMBER	_ 6033	378-	005			BORING/WELL NUMBER FB3 Area
PROJ	JECT N	AME	LAUSE) Co	olfax El	ementa	ary Sch	ool Soil Sampling DATE DRILLED 3/21/2016
LOCA	ATION	Col					-	age, CA CASING TYPE/DIAMETER
DRILI	LING M							SCREEN TYPE/SLOT
		NETHO						FILTER PACK TYPE
								GROUT TYPE
								DEPTH TO WATER
	GED BY							TOTAL DRILL DEPTH 2.5 ft.
REM/								
		/ERY (es)	Е D.	ENT	(mdo	.S.		
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID	EXTENT	PID (ppm)	U.S.C.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
						SP	• • •	Poorly-graded SAND, brown, moist, fine only to fine to medium grained sand
			B5-0.5					
F -	1							
							···.	
			B5-1.5					
							· · ·	
L -							$\left \cdot\right $	
N01.GDT 4/19/16	-							Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
GE_SBL LAUSD COLFAX ES BORING LOGS.GPJ LAEWNN01.GDT 4/19/16	_							
GE_SBL_LAUSD_COLF/ 5 1	_							



PROJ	ECT N	JMBER	6033	378-	005			BORING/WELL NUMBER FB4 Area
PROJ	ECT N/	AME	LAUSE) Co	olfax El	ementa	ary Scho	
LOCA	TION	Co	lfax Eleme	enta	ry Scho	ool, Va	lley Villa	age, CA CASING TYPE/DIAMETER
DRILL	ING M	ETHOD	Hand	d Au	iger			
SAMP	LING	IETHO	D					FILTER PACK TYPE
GROL	IND EL	EVATIO	DN					GROUT TYPE
TOP (OF CAS							
LOGG	ED BY	W	BS					TOTAL DRILL DEPTH 2.5 ft.
REMA	RKS							
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
			B7-0.5			SP		Poorly-graded SAND, brown, moist, fine only to fine to medium grained sand, contains locally trace coarse grains or very fine grained sand and some non-plastic fines
						SM		SILTY SAND, brown, moist. fine to medium grained sand with non-plastic fines
			B7-1.5					
								Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
	PROJ LOCA DRILL SAMP GROU TOP C LOGG REMA (199 ;i))	PROJECT N/ LOCATION DRILLING MI SAMPLING M GROUND EL TOP OF CAS LOGGED BY REMARKS	PROJECT NAME LOCATIONCo DRILLING METHOD SAMPLING METHOD GROUND ELEVATIO TOP OF CASING ELL LOGGED BYW REMARKS HIGGIND NOTOD BUILING METHOD SAMPLING METHOD SAMPLIN	PROJECT NAME LAUSI LOCATION <u>Colfax Element</u> DRILLING METHOD <u>Hand</u> SAMPLING METHOD <u>GROUND ELEVATION</u> TOP OF CASING ELEV. <u>LOGGED BY WBS</u> REMARKS <u>TO OF CASING ELEV.</u> LOGGED BY WBS REMARKS <u>B7-0.5</u> B7-0.5	PROJECT NAME LAUSD C. LOCATION Colfax Elementa DRILLING METHOD Hand Au SAMPLING METHOD GROUND ELEVATION TOP OF CASING ELEV. IOGGED BY REMARKS WBS REMARKS IOI HANKS (1) MOTOO JUNDOO MOTOO JUNDOO BT-0.5 BT-0.5 BT-1.5 BT-1.5	PROJECT NAME LAUSD Colfax Elementary School LOCATION Colfax Elementary School DRILLING METHOD Hand Auger SAMPLING METHOD	PROJECT NAME LAUSD Colfax Elementary LOCATION Colfax Elementary School, Va DRILLING METHOD Hand Auger SAMPLING METHOD GROUND ELEVATION TOP OF CASING ELEV. LOGGED BY WBS REMARKS THOM BOUND BULL VALUE NOTED OF CASING ELEV. LOGGED BY BOUND BULL VALUE BT-0.5 F BT-0.5 SP BT-0.5 SP SP SP SP SP SP SP SP SP SP SP SP SP S	PROJECT NAME LAUSD Colfax Elementary School, Valley Villa LOCATION Colfax Elementary School, Valley Villa DRILLING METHOD



PROJ LOCA DRILI SAMF GROU TOP	JECT NA ATION LING MI PLING N UND EL OF CAS	Col ETHOD METHOE EVATIO SING ELI	LAUSI fax Elemo Hano D DN EV BS	D Co enta d Au	olfax El iry Schi iger	ool, Va	lley Villa	BORING/WELL NUMBER FB5 Area bool Soil Sampling DATE DRILLED 3/22/2016 age, CA CASING TYPE/DIAMETER SCREEN TYPE/SLOT
4/19/16								
GE_SBL_LAUSD_COLFAX ES_BORING_LOGS.GPJ_LAEWNN01.GDT CD	-							



PROJ LOCA DRILL SAMP GROL TOP (ect NA Tion Ling Mi Pling N JND EL OF CAS GED BY	Col ETHOD METHOD EVATIC SING EL	LAUSI fax Elemo Hano D DN EV BS	D Co enta d Au	olfax El iry Schi iger	ool, Va	lley Villa	BORING/WELL NUMBER FB6 Area ool Soil Sampling DATE DRILLED 3/22/2016 age, CA CASING TYPE/DIAMETER SCREEN TYPE/SLOT
SBL LAUSD COLFAX ES BORING LOGS.GPJ LAEWNN01.GDT 4/19/16	RKS	RECOVERY (inches)	SAMPLE ID.	EXTENT		SP SP		LITHOLOGIC DESCRIPTION 4 inches of asphalt Poorly-graded SAND, brown to light brown, moist, fine only to fine to medium grained sand, contains locally trace coarse grains or very fine grained sand Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
GE_SBL LAUSD COLFAX								



PROJECT NUMBER	603378-005	BORING/WELL NUMBER FB7 Area
PROJECT NAME		hool Soil Sampling DATE DRILLED 3/22/2016
	ax Elementary School, Valley Vil	
	Hand Auger	
SAMPLING METHOD		
	N	
		DEPTH TO WATER
	S	TOTAL DRILL DEPTH 2.5 ft.
REMARKS		
DEPTH (ft. BGL) BLOW COUNTS RECOVERY (inches)	SAMPLE ID. EXTENT PID (ppm) U.S.C.S.	LITHOLOGIC DESCRIPTION
		4 inches of asphalt
	SP · . ·	Poorly-graded SAND, brown to light brown, moist, fine only to fine to medium grained
		sand, contains locally trace coarse grains or very fine grained sand
$\left - \right $		
SBL LAUSD COLFAX ES BORING LOGS.GPJ LAEWNN01.GDT 4/19/16		Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
- 5		



PROJ	ECT NU	AME	LAUSE) Co	olfax El			BORING/WELL NUMBER FB9 Area lool Soil Sampling DATE DRILLED 3/22/2016
SAMF		ethod Metho	Hand	d Au	iger			lage, CA CASING TYPE/DIAMETER SCREEN TYPE/SLOT
TOP	OF CAS GED BY	ING EL	.EV					GROUT TYPE DEPTH TO WATER
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.		LITHOLOGIC DESCRIPTION
								4 inches of asphalt
			B8-0.5			SP		Poorly-graded SAND, brown, moist, fine grained sand over
	-					-sw-	0	Well-graded SAND, brown to grayish brown, moist, fine to coarse grained sand
			B8-1.5				0	
GE_SBL_LAUSD_COLFAX_ES_BORING_LOGS.GPJ_LAEWNN01.GDT_4/19/16 								Total Depth = 2.5 feet bgs Total Sampled Depth = 2.5 feet bgs No groundwater encountered Backfilled with cuttings, tamped, and finished to surface grade with black-dyed concrete.
в ш 9 — 5 —	-							

APPENDIX C PHOTOGRAPHIC LOG





PHOTOGRAPHIC LOG

3/21/2016-3/22/2016

Client Name:

Los Angeles Unified School District

Site Location: Colfax Elementary School, 11724 Addison Street, Valley Village, California

Project No. 603378-005

Photo No. 1	
View Direction of Photo:	
East	
Description: FB3-3 hand auger boring in progress.	
Photo No. 2	
View Direction of Photo:	
South	
Description: FB3-2 boring completed. View of borehole prior to concrete patch closure and esurfacing.	





APPENDIX D

LABORATORY ANALYTICAL REPORTS





March 29, 2016

Julie Harriman Leighton Consulting, Inc. 17781 Cowan Street Irvine, CA 92614 Tel: (949) 250-1421 Fax:(949) 757-7230

ELAP No.: 1838 CSDLAC No.: 10196 ORELAP No.: CA300003 TCEQ No. : T104704502

Re: ATL Work Order Number : 1601093 Client Reference : Colfax ES, 603378.005

Enclosed are the results for sample(s) received on March 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040 www.atlglobal.com



Certificate of Analysis

Leighton Consulting, Inc.

17781 Cowan Street

Irvine , CA 92614

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 03/29/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB3-1-0.5	1601093-01	Soil	3/21/16 13:36	3/22/16 14:30
EB3-1-1.5	1601093-02	Soil	3/21/16 13:38	3/22/16 14:30
EB3-2-0.5	1601093-04	Soil	3/21/16 14:02	3/22/16 14:30
EB3-2-1.5	1601093-05	Soil	3/21/16 14:04	3/22/16 14:30
EB3-3-0.5	1601093-07	Soil	3/21/16 14:52	3/22/16 14:30
EB3-3-1.5	1601093-08	Soil	3/21/16 14:54	3/22/16 14:30
EB3-4-0.5	1601093-10	Soil	3/21/16 13:10	3/22/16 14:30
EB3-4-1.5	1601093-11	Soil	3/21/16 13:12	3/22/16 14:30
EB3-5-0.5	1601093-13	Soil	3/21/16 13:20	3/22/16 14:30
EB3-5-1.5	1601093-14	Soil	3/21/16 13:21	3/22/16 14:30
EB3-6-0.5	1601093-16	Soil	3/21/16 13:29	3/22/16 14:30
EB3-6-0.5-D	1601093-17	Soil	3/21/16 13:29	3/22/16 14:30
EB3-6-1.5	1601093-18	Soil	3/21/16 13:30	3/22/16 14:30
FB1-1-0.5	1601093-20	Soil	3/21/16 10:58	3/22/16 14:30
FB1-1-1.5	1601093-21	Soil	3/21/16 10:59	3/22/16 14:30
FB1-2-0.5	1601093-23	Soil	3/21/16 10:36	3/22/16 14:30
FB1-2-1.5	1601093-24	Soil	3/21/16 10:37	3/22/16 14:30
FB1-3-0.5	1601093-26	Soil	3/21/16 9:50	3/22/16 14:30
FB1-3-1.5	1601093-27	Soil	3/21/16 9:51	3/22/16 14:30
FB1-4-0.5	1601093-30	Soil	3/21/16 9:36	3/22/16 14:30
FB1-4-1.5	1601093-31	Soil	3/21/16 9:37	3/22/16 14:30
FB1-5-0.5	1601093-33	Soil	3/21/16 9:45	3/22/16 14:30
FB1-5-1.5	1601093-34	Soil	3/21/16 9:46	3/22/16 14:30
FB1-6-0.5	1601093-36	Soil	3/21/16 9:57	3/22/16 14:30
FB1-6-1.5	1601093-37	Soil	3/21/16 9:59	3/22/16 14:30
FB1-7-0.5	1601093-39	Soil	3/21/16 10:46	3/22/16 14:30
FB1-7-1.5	1601093-40	Soil	3/21/16 10:47	3/22/16 14:30
FB1-8-0.5	1601093-43	Soil	3/21/16 10:53	3/22/16 14:30
FB1-8-1.5	1601093-44	Soil	3/21/16 10:54	3/22/16 14:30
FB2-1-0.5	1601093-46	Soil	3/21/16 8:39	3/22/16 14:30
FB2-1-0.5-D	1601093-47	Soil	3/21/16 8:39	3/22/16 14:30
FB2-1-1.5	1601093-48	Soil	3/21/16 8:41	3/22/16 14:30
FB2-2-0.5	1601093-50	Soil	3/21/16 8:47	3/22/16 14:30
FB2-2-1.5	1601093-51	Soil	3/21/16 8:48	3/22/16 14:30
FB2-3-0.5	1601093-53	Soil	3/21/16 8:53	3/22/16 14:30
FB2-3-1.5	1601093-54	Soil	3/21/16 8:54	3/22/16 14:30
FB2-4-0.5	1601093-56	Soil	3/21/16 9:00	3/22/16 14:30



Certificate of Analysis

	Certificate of Analysis							
Leighton Consulting, Inc.		Project Number :	Colfax ES, 603378.005					
17781 Cowan Street		Report To :	Julie Harriman					
Irvine , CA 92614		Reported :	03/29/2016					
FB2-4-1.5	1601093-57	Soil	3/21/16 9:02	3/22/16 14:30				
FB2-5-0.5	1601093-59	Soil	3/21/16 9:10	3/22/16 14:30				
FB2-5-1.5	1601093-60	Soil	3/21/16 9:12	3/22/16 14:30				
FB2-5-1.5-D	1601093-61	Soil	3/21/16 9:12	3/22/16 14:30				
FB2-6-0.5	1601093-63	Soil	3/21/16 9:18	3/22/16 14:30				
FB2-6-1.5	1601093-64	Soil	3/21/16 9:20	3/22/16 14:30				
FB3-1-0.5	1601093-66	Soil	3/21/16 11:28	3/22/16 14:30				
FB3-1-1.5	1601093-67	Soil	3/21/16 11:29	3/22/16 14:30				
FB3-1-1.5-D	1601093-68	Soil	3/21/16 11:29	3/22/16 14:30				
FB3-2-0.5	1601093-70	Soil	3/21/16 11:15	3/22/16 14:30				
FB3-2-1.5	1601093-71	Soil	3/21/16 11:16	3/22/16 14:30				
FB3-3-0.5	1601093-73	Soil	3/21/16 11:06	3/22/16 14:30				
FB3-3-1.5	1601093-74	Soil	3/21/16 11:07	3/22/16 14:30				
FB3-4-0.5	1601093-76	Soil	3/21/16 11:45	3/22/16 14:30				
FB3-4-1.5	1601093-77	Soil	3/21/16 11:47	3/22/16 14:30				
FB4-1-0.5	1601093-79	Soil	3/21/16 14:40	3/22/16 14:30				
FB4-1-1.5	1601093-80	Soil	3/21/16 14:41	3/22/16 14:30				
FB4-2-0.5	1601093-83	Soil	3/21/16 14:46	3/22/16 14:30				
FB4-2-1.5	1601093-84	Soil	3/21/16 14:48	3/22/16 14:30				



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-1-0.5 Lab ID: 1601093-01

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0683	03/25/2016	03/25/16 15:43	
Lead	6.5	1.0	1	B6C0683	03/25/2016	03/25/16 15:43	

Organochlorine Pesticides by EPA 8081

	Result	PQL				Date/Time	
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
4,4'-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
4,4'-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
alpha-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 15:47	
delta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 15:47	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 15:47	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 15:47	
Surrogate: Decachlorobiphenyl	67.0 %	16 - 137		B6C0663	03/24/2016	03/24/16 15:47	
Surrogate: Tetrachloro-m-xylene	81.8 %	16 - 105		B6C0663	03/24/2016	03/24/16 15:47	

Analyst: RR

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-1-1.5 Lab ID: 1601093-02

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.9	1.0	1	B6C0683	03/25/2016	03/25/16 15:45	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
4,4´-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
4,4´-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
alpha-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 16:00	
delta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:00	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 16:00	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 16:00	
Surrogate: Decachlorobiphenyl	63.0 %	16 - 137		B6C0663	03/24/2016	03/24/16 16:00	
Surrogate: Tetrachloro-m-xylene	76.7 %	16 - 105		B6C0663	03/24/2016	03/24/16 16:00	

Analyst: CL



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-2-0.5 Lab ID: 1601093-04

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.1	1.0	1	B6C0683	03/25/2016	03/25/16 15:47	
Lead	3.0	1.0	1	B6C0683	03/25/2016	03/25/16 15:47	

Organochlorine Pesticides by EPA 8081

Ç 7							
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
4.4'-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
4,4′-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
alpha-Chlordane [2C]	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 16:12	
delta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:12	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 16:12	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 16:12	
Surrogate: Decachlorobiphenyl	61.5 %	16 - 137		B6C0663	03/24/2016	03/24/16 16:12	
Surrogate: Tetrachloro-m-xylene	75.2 %	16 - 105		B6C0663	03/24/2016	03/24/16 16:12	

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Analyst: CL



17781 Cowan Street

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-2-1.5 Lab ID: 1601093-05

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0683	03/25/2016	03/25/16 15:49	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
4,4´-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
4,4´-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
alpha-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 16:24	
delta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:24	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 16:24	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 16:24	
Surrogate: Decachlorobiphenyl	64.1 %	16 - 137		B6C0663	03/24/2016	03/24/16 16:24	
Surrogate: Tetrachloro-m-xylene	74.9 %	16 - 105		B6C0663	03/24/2016	03/24/16 16:24	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-3-0.5 Lab ID: 1601093-07

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.5	1.0	1	B6C0683	03/25/2016	03/25/16 15:51	
Lead	8.9	1.0	1	B6C0683	03/25/2016	03/25/16 15:51	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
4,4´-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
4,4′-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
alpha-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 16:36	
lelta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:36	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 16:36	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 16:36	
Surrogate: Decachlorobiphenyl	68.5 %	16 - 137		B6C0663	03/24/2016	03/24/16 16:36	
Surrogate: Tetrachloro-m-xylene	71.8 %	16 - 105		B6C0663	03/24/2016	03/24/16 16:36	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-3-1.5 Lab ID: 1601093-08

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.3	1.0	1	B6C0683	03/25/2016	03/25/16 15:53	
Lead	3.0	1.0	1	B6C0683	03/25/2016	03/25/16 15:53	

Organochlorine Pesticides by EPA 8081

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4 1 .	Result	PQL		D (1	D I	Date/Time	N. (
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
4,4´-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
4,4´-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
alpha-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 16:49	
delta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 16:49	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 16:49	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 16:49	
Surrogate: Decachlorobiphenyl	67.8 %	16 - 137		B6C0663	03/24/2016	03/24/16 16:49	
Surrogate: Tetrachloro-m-xylene	80.7 %	16 - 105		B6C0663	03/24/2016	03/24/16 16:49	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-4-0.5 Lab ID: 1601093-10

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0683	03/25/2016	03/25/16 15:55	
Lead	3.9	1.0	1	B6C0683	03/25/2016	03/25/16 15:55	

Organochlorine Pesticides by EPA 8081

	Result	PQL	Dilution	Detah	Duran and	Date/Time	Neter
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4′-DDD	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
4,4´-DDE	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
4,4´-DDT	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Aldrin	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
alpha-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
alpha-Chlordane [2C]	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
beta-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Chlordane [2C]	ND	42	5	B6C0663	03/24/2016	03/24/16 17:01	D1
delta-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Dieldrin	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Endosulfan I	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Endosulfan II	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Endosulfan sulfate	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Endrin	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Endrin aldehyde	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Endrin ketone	ND	10	5	B6C0663	03/24/2016	03/24/16 17:01	D1
gamma-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
gamma-Chlordane	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Heptachlor	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Heptachlor epoxide	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Methoxychlor	ND	25	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Toxaphene	ND	250	5	B6C0663	03/24/2016	03/24/16 17:01	D1
Surrogate: Decachlorobiphenyl	55.1 %	16 - 137		B6C0663	03/24/2016	03/24/16 17:01	D1
Surrogate: Tetrachloro-m-xylene	61.7 %	16 - 105		B6C0663	03/24/2016	03/24/16 17:01	D1



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-4-1.5 Lab ID: 1601093-11

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0683	03/25/2016	03/25/16 15:57	

Organochlorine Pesticides by EPA 8081

Batch B6C0663 B6C0663 B6C0663	Prepared 03/24/2016 03/24/2016	Date/Time Analyzed 03/24/16 17:13 03/24/16 17:13	Notes
B6C0663 B6C0663	03/24/2016		
B6C0663		03/24/16 17:13	
		03/24/10 17.13	
DICOLU	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
B6C0663	03/24/2016	03/24/16 17:13	
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Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-5-0.5 Lab ID: 1601093-13

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.3	1.0	1	B6C0683	03/25/2016	03/25/16 16:03	
Lead	7.7	1.0	1	B6C0683	03/25/2016	03/25/16 16:03	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
7 mary to			Dilution	Baten	I	7 mary 200	110105
4,4´-DDD	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
4,4´-DDE	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
4,4´-DDT	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Aldrin	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
alpha-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
alpha-Chlordane [2C]	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
beta-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Chlordane	ND	42	5	B6C0663	03/24/2016	03/24/16 17:25	D1
delta-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Dieldrin	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Endosulfan I	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Endosulfan II	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Endosulfan sulfate	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Endrin	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Endrin aldehyde	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Endrin ketone	ND	10	5	B6C0663	03/24/2016	03/24/16 17:25	D1
gamma-BHC	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
gamma-Chlordane	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Heptachlor	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Heptachlor epoxide	ND	5.0	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Methoxychlor	ND	25	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Toxaphene	ND	250	5	B6C0663	03/24/2016	03/24/16 17:25	D1
Surrogate: Decachlorobiphenyl	49.7 %	16 - 137		B6C0663	03/24/2016	03/24/16 17:25	D1
Surrogate: Tetrachloro-m-xylene	61.5 %	16 - 105		B6C0663	03/24/2016	03/24/16 17:25	D1



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-5-1.5 Lab ID: 1601093-14

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.1	1.0	1	B6C0683	03/25/2016	03/25/16 16:05	

Organochlorine Pesticides by EPA 8081

g							Analyst. CI
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
4,4´-DDE	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
4,4´-DDT	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Aldrin	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
alpha-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
alpha-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
beta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Chlordane	ND	8.5	1	B6C0663	03/24/2016	03/24/16 17:37	
delta-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Dieldrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Endosulfan I	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Endosulfan II	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Endosulfan sulfate	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Endrin	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Endrin aldehyde	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Endrin ketone	ND	2.0	1	B6C0663	03/24/2016	03/24/16 17:37	
gamma-BHC	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
gamma-Chlordane	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Heptachlor	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Heptachlor epoxide	ND	1.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Methoxychlor	ND	5.0	1	B6C0663	03/24/2016	03/24/16 17:37	
Toxaphene	ND	50	1	B6C0663	03/24/2016	03/24/16 17:37	
Surrogate: Decachlorobiphenyl	65.0 %	16 - 137		B6C0663	03/24/2016	03/24/16 17:37	
Surrogate: Tetrachloro-m-xylene	77.0 %	16 - 105		B6C0663	03/24/2016	03/24/16 17:37	

Analyst: CL



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Project Number: Colfax ES, 603378.005

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Reported : 03/29/2016

Client Sample ID EB3-6-0.5 Lab ID: 1601093-16

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.5	1.0	1	B6C0683	03/25/2016	03/25/16 16:07	
Lead	2.7	1.0	1	B6C0683	03/25/2016	03/25/16 16:07	

Organochlorine Pesticides by EPA 8081

Angleda	Result	PQL	Dilation	Detal	Duran and	Date/Time	Nata
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 09:00	
lelta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:00	
amma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
amma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 09:00	
Foxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 09:00	
Surrogate: Decachlorobiphenyl	73.3 %	16 - 137		B6C0695	03/24/2016	03/25/16 09:00	
Surrogate: Tetrachloro-m-xylene	60.1 %	16 - 105		B6C0695	03/24/2016	03/25/16 09:00	

Analyst: CL

Analyst: RR

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-6-0.5-D Lab ID: 1601093-17

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0683	03/25/2016	03/25/16 16:09	
Lead	2.2	1.0	1	B6C0683	03/25/2016	03/25/16 16:09	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
4,4′-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 09:10	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:10	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 09:10	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 09:10	
Surrogate: Decachlorobiphenyl	57.9 %	16 - 137		B6C0695	03/24/2016	03/25/16 09:10	
Surrogate: Tetrachloro-m-xylene	53.0 %	16 - 105		B6C0695	03/24/2016	03/25/16 09:10	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID EB3-6-1.5 Lab ID: 1601093-18

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0683	03/25/2016	03/25/16 16:11	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 09:20	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:20	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 09:20	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 09:20	
Surrogate: Decachlorobiphenyl	76.3 %	16 - 137		B6C0695	03/24/2016	03/25/16 09:20	
Surrogate: Tetrachloro-m-xylene	63.4 %	16 - 105		B6C0695	03/24/2016	03/25/16 09:20	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-1-0.5 Lab ID: 1601093-20

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.4	1.0	1	B6C0683	03/25/2016	03/25/16 16:13	
Lead	6.3	1.0	1	B6C0683	03/25/2016	03/25/16 16:13	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 09:31	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:31	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 09:31	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 09:31	
Surrogate: Decachlorobiphenyl	89.3 %	16 - 137		B6C0695	03/24/2016	03/25/16 09:31	
Surrogate: Tetrachloro-m-xylene	79.5 %	16 - 105		B6C0695	03/24/2016	03/25/16 09:31	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-1-1.5 Lab ID: 1601093-21

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.7	1.0	1	B6C0683	03/25/2016	03/25/16 16:14	
Lead	2.9	1.0	1	B6C0683	03/25/2016	03/25/16 16:14	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 09:41	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:41	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 09:41	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 09:41	
Surrogate: Decachlorobiphenyl	84.4 %	16 - 137		B6C0695	03/24/2016	03/25/16 09:41	
Surrogate: Tetrachloro-m-xylene	75.6 %	16 - 105		B6C0695	03/24/2016	03/25/16 09:41	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-2-0.5 Lab ID: 1601093-23

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.9	1.0	1	B6C0683	03/25/2016	03/25/16 16:16	
Lead	8.4	1.0	1	B6C0683	03/25/2016	03/25/16 16:16	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
4,4′-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 09:52	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 09:52	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 09:52	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 09:52	
Surrogate: Decachlorobiphenyl	87.3 %	16 - 137		B6C0695	03/24/2016	03/25/16 09:52	
Surrogate: Tetrachloro-m-xylene	76.6 %	16 - 105		B6C0695	03/24/2016	03/25/16 09:52	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-2-1.5 Lab ID: 1601093-24

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0684	03/25/2016	03/25/16 16:26	
Lead	4.2	1.0	1	B6C0684	03/25/2016	03/25/16 16:26	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dirution	Baten	riepaieu	Analyzeu	INOLES
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 10:02	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:02	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 10:02	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 10:02	
Surrogate: Decachlorobiphenyl	93.7 %	16 - 137		B6C0695	03/24/2016	03/25/16 10:02	
Surrogate: Tetrachloro-m-xylene	76.5 %	16 - 105		B6C0695	03/24/2016	03/25/16 10:02	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-3-0.5 Lab ID: 1601093-26

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.3	1.0	1	B6C0684	03/25/2016	03/25/16 16:32	
Lead	3.5	1.0	1	B6C0684	03/25/2016	03/25/16 16:32	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 10:13	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:13	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 10:13	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 10:13	
Surrogate: Decachlorobiphenyl	88.1 %	16 - 137		B6C0695	03/24/2016	03/25/16 10:13	
Surrogate: Tetrachloro-m-xylene	75.5 %	16 - 105		B6C0695	03/24/2016	03/25/16 10:13	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-3-1.5 Lab ID: 1601093-27

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0684	03/25/2016	03/25/16 16:34	
Lead	5.5	1.0	1	B6C0684	03/25/2016	03/25/16 16:34	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 10:23	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:23	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 10:23	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 10:23	
Surrogate: Decachlorobiphenyl	67.9 %	16 - 137		B6C0695	03/24/2016	03/25/16 10:23	
Surrogate: Tetrachloro-m-xylene	60.6 %	16 - 105		B6C0695	03/24/2016	03/25/16 10:23	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-4-0.5 Lab ID: 1601093-30

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0684	03/25/2016	03/25/16 16:36	
Lead	7.6	1.0	1	B6C0684	03/25/2016	03/25/16 16:36	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
	(88)	(-88)					
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
4,4'-DDE [2C]	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
4,4´-DDT [2C]	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 10:34	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:34	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 10:34	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 10:34	
Surrogate: Decachlorobiphenyl	90.3 %	16 - 137		B6C0695	03/24/2016	03/25/16 10:34	
Surrogate: Tetrachloro-m-xylene	80.8 %	16 - 105		B6C0695	03/24/2016	03/25/16 10:34	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-4-1.5 Lab ID: 1601093-31

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B6C0684	03/25/2016	03/25/16 16:38	
Lead	1.8	1.0	1	B6C0684	03/25/2016	03/25/16 16:38	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 10:44	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:44	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 10:44	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 10:44	
Surrogate: Decachlorobiphenyl	62.5 %	16 - 137		B6C0695	03/24/2016	03/25/16 10:44	
Surrogate: Tetrachloro-m-xylene	57.6 %	16 - 105		B6C0695	03/24/2016	03/25/16 10:44	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-5-0.5 Lab ID: 1601093-33

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B6C0684	03/25/2016	03/25/16 16:40	
Lead	4.0	1.0	1	B6C0684	03/25/2016	03/25/16 16:40	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Flepaleu	Allalyzeu	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
4,4´-DDE [2C]	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 10:54	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 10:54	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 10:54	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 10:54	
Surrogate: Decachlorobiphenyl	88.9 %	16 - 137		B6C0695	03/24/2016	03/25/16 10:54	
Surrogate: Tetrachloro-m-xylene	89.0 %	16 - 105		B6C0695	03/24/2016	03/25/16 10:54	

Analyst: RR

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-5-1.5 Lab ID: 1601093-34

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.9	1.0	1	B6C0684	03/25/2016	03/25/16 16:46	
Lead	1.9	1.0	1	B6C0684	03/25/2016	03/25/16 16:46	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
4,4′-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 11:05	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:05	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 11:05	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 11:05	
Surrogate: Decachlorobiphenyl	88.2 %	16 - 137		B6C0695	03/24/2016	03/25/16 11:05	
Surrogate: Tetrachloro-m-xylene	74.9 %	16 - 105		B6C0695	03/24/2016	03/25/16 11:05	

Analyst: CL



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Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-6-0.5 Lab ID: 1601093-36

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.5	1.0	1	B6C0684	03/25/2016	03/25/16 16:48	
Lead	2.9	1.0	1	B6C0684	03/25/2016	03/25/16 16:48	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
4,4'-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
4,4′-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 11:15	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:15	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 11:15	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 11:15	
Surrogate: Decachlorobiphenyl	70.6 %	16 - 137		B6C0695	03/24/2016	03/25/16 11:15	
Surrogate: Tetrachloro-m-xylene	59.2 %	16 - 105		B6C0695	03/24/2016	03/25/16 11:15	

Analyst: RR

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-6-1.5 Lab ID: 1601093-37

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0684	03/25/2016	03/25/16 16:50	
Lead	1.9	1.0	1	B6C0684	03/25/2016	03/25/16 16:50	

Organochlorine Pesticides by EPA 8081

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A	Result	PQL	Dilution	Datab	Decessed	Date/Time	Nata
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 11:26	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:26	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 11:26	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 11:26	
Surrogate: Decachlorobiphenyl	73.2 %	16 - 137		B6C0695	03/24/2016	03/25/16 11:26	
Surrogate: Tetrachloro-m-xylene	66.4 %	16 - 105		B6C0695	03/24/2016	03/25/16 11:26	

Analyst: RR

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-7-0.5 Lab ID: 1601093-39

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.3	1.0	1	B6C0684	03/25/2016	03/25/16 16:52	
Lead	3.0	1.0	1	B6C0684	03/25/2016	03/25/16 16:52	

Organochlorine Pesticides by EPA 8081

<u> </u>							
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Anaryte	(ug/kg)	(ug/kg)	Dilution	Dateil	Tiepareu	Anaryzed	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 11:36	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:36	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 11:36	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 11:36	
Surrogate: Decachlorobiphenyl	86.4 %	16 - 137		B6C0695	03/24/2016	03/25/16 11:36	
Surrogate: Tetrachloro-m-xylene	75.9 %	16 - 105		B6C0695	03/24/2016	03/25/16 11:36	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-7-1.5 Lab ID: 1601093-40

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0684	03/25/2016	03/25/16 16:53	
Lead	5.0	1.0	1	B6C0684	03/25/2016	03/25/16 16:53	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Allalyte	(ug/kg)	(ug/kg)	Dilution	Batch	Flepaled	Allalyzeu	Notes
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 11:47	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:47	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 11:47	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 11:47	
Surrogate: Decachlorobiphenyl	88.6 %	16 - 137		B6C0695	03/24/2016	03/25/16 11:47	
Surrogate: Tetrachloro-m-xylene	82.9 %	16 - 105		B6C0695	03/24/2016	03/25/16 11:47	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Analyst: RR

Analyst: CL

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-8-0.5 Lab ID: 1601093-43

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0684	03/25/2016	03/25/16 16:55	
Lead	4.2	1.0	1	B6C0684	03/25/2016	03/25/16 16:55	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
4,4'-DDE [2C]	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 11:57	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 11:57	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 11:57	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 11:57	
Surrogate: Decachlorobiphenyl	90.2 %	16 - 137		B6C0695	03/24/2016	03/25/16 11:57	
Surrogate: Tetrachloro-m-xylene	87.4 %	16 - 105		B6C0695	03/24/2016	03/25/16 11:57	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Analyst: RR

Analyst: CL

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB1-8-1.5 Lab ID: 1601093-44

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0684	03/25/2016	03/25/16 16:57	
Lead	4.2	1.0	1	B6C0684	03/25/2016	03/25/16 16:57	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
4,4´-DDE [2C]	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Chlordane	ND	8.5	1	B6C0695	03/24/2016	03/25/16 12:07	
lelta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:07	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
gamma-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 12:07	
Foxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 12:07	
Surrogate: Decachlorobiphenyl	87.1 %	16 - 137		B6C0695	03/24/2016	03/25/16 12:07	
Surrogate: Tetrachloro-m-xylene	78.3 %	16 - 105		B6C0695	03/24/2016	03/25/16 12:07	



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-1-0.5 Lab ID: 1601093-46

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.6	1.0	1	B6C0684	03/25/2016	03/25/16 16:59	
Lead	7.8	1.0	1	B6C0684	03/25/2016	03/25/16 16:59	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
-maryte	(ug/Kg)	(ug/kg)	Dilution	Datti	ricpaicu	Anaryzed	110105
4,4´-DDD	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
4,4´-DDE	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
4,4´-DDT	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Aldrin	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
alpha-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
alpha-Chlordane	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
beta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Chlordane	8.9	8.5	1	B6C0695	03/24/2016	03/25/16 12:18	
delta-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Dieldrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Endosulfan I	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Endosulfan II	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Endosulfan sulfate	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Endrin	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Endrin aldehyde	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Endrin ketone	ND	2.0	1	B6C0695	03/24/2016	03/25/16 12:18	
gamma-BHC	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
gamma-Chlordane [2C]	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Heptachlor	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Heptachlor epoxide	ND	1.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Methoxychlor	ND	5.0	1	B6C0695	03/24/2016	03/25/16 12:18	
Toxaphene	ND	50	1	B6C0695	03/24/2016	03/25/16 12:18	
Surrogate: Decachlorobiphenyl	73.0 %	16 - 137		B6C0695	03/24/2016	03/25/16 12:18	
Surrogate: Tetrachloro-m-xylene	64.1 %	16 - 105		B6C0695	03/24/2016	03/25/16 12:18	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-1-0.5-D Lab ID: 1601093-47

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.9	1.0	1	B6C0684	03/25/2016	03/25/16 17:01	
Lead	8.0	1.0	1	B6C0684	03/25/2016	03/25/16 17:01	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Flepaled	Allalyzeu	INOLES
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
alpha-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 13:08	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:08	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 13:08	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 13:08	
Surrogate: Decachlorobiphenyl	44.1 %	16 - 137		B6C0708	03/25/2016	03/25/16 13:08	
Surrogate: Tetrachloro-m-xylene	43.7 %	16 - 105		B6C0708	03/25/2016	03/25/16 13:08	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-1-1.5 Lab ID: 1601093-48

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0684	03/25/2016	03/25/16 17:03	
Lead	3.3	1.0	1	B6C0684	03/25/2016	03/25/16 17:03	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 13:21	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:21	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 13:21	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 13:21	
Surrogate: Decachlorobiphenyl	49.9 %	16 - 137		B6C0708	03/25/2016	03/25/16 13:21	
Surrogate: Tetrachloro-m-xylene	47.7 %	16 - 105		B6C0708	03/25/2016	03/25/16 13:21	

Analyst: RR

Analyst: CL

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-2-0.5 Lab ID: 1601093-50

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B6C0684	03/25/2016	03/25/16 17:09	
Lead	5.2	1.0	1	B6C0684	03/25/2016	03/25/16 17:09	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 13:33	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 13:33	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 13:33	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 13:33	
Surrogate: Decachlorobiphenyl	54.3 %	16 - 137		B6C0708	03/25/2016	03/25/16 13:33	
Surrogate: Tetrachloro-m-xylene	54.0 %	16 - 105		B6C0708	03/25/2016	03/25/16 13:33	

Analyst: CL

Analyst: RR

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-2-1.5 Lab ID: 1601093-51

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0684	03/25/2016	03/25/16 17:11	
Lead	5.6	1.0	1	B6C0684	03/25/2016	03/25/16 17:11	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
4,4'-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 17:10	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:10	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
gamma-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 17:10	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 17:10	
Surrogate: Decachlorobiphenyl	46.4 %	16 - 137		B6C0708	03/25/2016	03/25/16 17:10	
Surrogate: Tetrachloro-m-xylene	49.7 %	16 - 105		B6C0708	03/25/2016	03/25/16 17:10	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-3-0.5 Lab ID: 1601093-53

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0684	03/25/2016	03/25/16 17:13	
Lead	8.9	1.0	1	B6C0684	03/25/2016	03/25/16 17:13	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
4,4′-DDE	ND	2.0	1	B6C0708	03/25/2010	03/25/16 17:22	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
alpha-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 17:22	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:22	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
gamma-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 17:22	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 17:22	
Surrogate: Decachlorobiphenyl	46.0 %	16 - 137		B6C0708	03/25/2016	03/25/16 17:22	
Surrogate: Tetrachloro-m-xylene	50.0 %	16 - 105		B6C0708	03/25/2016	03/25/16 17:22	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-3-0.5 Lab ID: 1601093-53

Polychlorinated Biphenyls by EPA 8082

Polychlorinated Biphenyls by E	CPA 8082						Analyst: CL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1221	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1232	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1242	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1248	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1254	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1260	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1262	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1268	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Surrogate: Decachlorobiphenyl	74.7 %	24 - 135		B6C0739	03/26/2016	03/28/16 16:15	
Surrogate: Tetrachloro-m-xylene	67.4 %	29 - 105		B6C0739	03/26/2016	03/28/16 16:15	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-3-1.5 Lab ID: 1601093-54

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.5	1.0	1	B6C0684	03/25/2016	03/25/16 17:15	
Lead	6.3	1.0	1	B6C0684	03/25/2016	03/25/16 17:15	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
4,4′-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 17:34	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:34	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 17:34	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 17:34	
Surrogate: Decachlorobiphenyl	49.7 %	16 - 137		B6C0708	03/25/2016	03/25/16 17:34	
Surrogate: Tetrachloro-m-xylene	51.4 %	16 - 105		B6C0708	03/25/2016	03/25/16 17:34	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-4-0.5 Lab ID: 1601093-56

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0685	03/25/2016	03/25/16 17:21	
Lead	7.4	1.0	1	B6C0685	03/25/2016	03/25/16 17:21	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Baten	Tieparea	7 mary 200	110105
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
alpha-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Chlordane [2C]	ND	8.5	1	B6C0708	03/25/2016	03/25/16 17:47	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:47	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
gamma-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 17:47	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 17:47	
Surrogate: Decachlorobiphenyl	45.7 %	16 - 137		B6C0708	03/25/2016	03/25/16 17:47	
Surrogate: Tetrachloro-m-xylene	43.9 %	16 - 105		B6C0708	03/25/2016	03/25/16 17:47	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-4-1.5 Lab ID: 1601093-57

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0685	03/25/2016	03/25/16 17:27	
Lead	2.1	1.0	1	B6C0685	03/25/2016	03/25/16 17:27	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
4,4′-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 17:59	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 17:59	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 17:59	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 17:59	
Surrogate: Decachlorobiphenyl	57.8 %	16 - 137		B6C0708	03/25/2016	03/25/16 17:59	
Surrogate: Tetrachloro-m-xylene	63.9 %	16 - 105		B6C0708	03/25/2016	03/25/16 17:59	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-5-0.5 Lab ID: 1601093-59

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0685	03/25/2016	03/25/16 17:33	
Lead	6.8	1.0	1	B6C0685	03/25/2016	03/25/16 17:33	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 18:11	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:11	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 18:11	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 18:11	
Surrogate: Decachlorobiphenyl	44.1 %	16 - 137		B6C0708	03/25/2016	03/25/16 18:11	
Surrogate: Tetrachloro-m-xylene	45.3 %	16 - 105		B6C0708	03/25/2016	03/25/16 18:11	

Analyst: CL

Analyst: RR

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-5-1.5 Lab ID: 1601093-60

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.3	1.0	1	B6C0685	03/25/2016	03/25/16 17:35	
Lead	2.1	1.0	1	B6C0685	03/25/2016	03/25/16 17:35	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
4,4'-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 18:23	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:23	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 18:23	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 18:23	
Surrogate: Decachlorobiphenyl	52.9 %	16 - 137		B6C0708	03/25/2016	03/25/16 18:23	
Surrogate: Tetrachloro-m-xylene	65.3 %	16 - 105		B6C0708	03/25/2016	03/25/16 18:23	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-5-1.5-D Lab ID: 1601093-61

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B6C0685	03/25/2016	03/25/16 17:38	
Lead	2.1	1.0	1	B6C0685	03/25/2016	03/25/16 17:38	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 18:35	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:35	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 18:35	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 18:35	
Surrogate: Decachlorobiphenyl	60.6 %	16 - 137		B6C0708	03/25/2016	03/25/16 18:35	
Surrogate: Tetrachloro-m-xylene	68.0 %	16 - 105		B6C0708	03/25/2016	03/25/16 18:35	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-6-0.5 Lab ID: 1601093-63

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0685	03/25/2016	03/25/16 17:40	
Lead	16	1.0	1	B6C0685	03/25/2016	03/25/16 17:40	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
4,4´-DDE	3.7	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 18:48	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 18:48	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 18:48	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 18:48	
Surrogate: Decachlorobiphenyl	53.9 %	16 - 137		B6C0708	03/25/2016	03/25/16 18:48	
Surrogate: Tetrachloro-m-xylene	53.4 %	16 - 105		B6C0708	03/25/2016	03/25/16 18:48	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB2-6-1.5 Lab ID: 1601093-64

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B6C0685	03/25/2016	03/25/16 17:42	
Lead	2.2	1.0	1	B6C0685	03/25/2016	03/25/16 17:42	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 19:00	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:00	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 19:00	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 19:00	
Surrogate: Decachlorobiphenyl	60.5 %	16 - 137		B6C0708	03/25/2016	03/25/16 19:00	
Surrogate: Tetrachloro-m-xylene	67.9 %	16 - 105		B6C0708	03/25/2016	03/25/16 19:00	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-1-0.5 Lab ID: 1601093-66

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.4	1.0	1	B6C0685	03/25/2016	03/25/16 17:44	
Lead	7.9	1.0	1	B6C0685	03/25/2016	03/25/16 17:44	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
alpha-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Chlordane [2C]	ND	8.5	1	B6C0708	03/25/2016	03/25/16 19:12	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:12	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 19:12	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 19:12	
Surrogate: Decachlorobiphenyl	52.6 %	16 - 137		B6C0708	03/25/2016	03/25/16 19:12	
Surrogate: Tetrachloro-m-xylene	50.3 %	16 - 105		B6C0708	03/25/2016	03/25/16 19:12	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-1-1.5 Lab ID: 1601093-67

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0685	03/25/2016	03/25/16 17:46	
Lead	4.5	1.0	1	B6C0685	03/25/2016	03/25/16 17:46	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
4,4'-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
alpha-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 19:24	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:24	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 19:24	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 19:24	
Surrogate: Decachlorobiphenyl	59.3 %	16 - 137		B6C0708	03/25/2016	03/25/16 19:24	
Surrogate: Tetrachloro-m-xylene	63.9 %	16 - 105		B6C0708	03/25/2016	03/25/16 19:24	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-1-1.5-D Lab ID: 1601093-68

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0685	03/25/2016	03/25/16 17:48	
Lead	7.6	1.0	1	B6C0685	03/25/2016	03/25/16 17:48	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Allalyzed	INOLES
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
4,4′-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
alpha-Chlordane [2C]	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 19:37	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:37	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 19:37	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 19:37	
Surrogate: Decachlorobiphenyl	56.2 %	16 - 137		B6C0708	03/25/2016	03/25/16 19:37	
Surrogate: Tetrachloro-m-xylene	64.1 %	16 - 105		B6C0708	03/25/2016	03/25/16 19:37	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-2-0.5 Lab ID: 1601093-70

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.1	1.0	1	B6C0685	03/25/2016	03/25/16 17:50	
Lead	5.3	1.0	1	B6C0685	03/25/2016	03/25/16 17:50	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 19:49	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 19:49	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 19:49	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 19:49	
Surrogate: Decachlorobiphenyl	52.1 %	16 - 137		B6C0708	03/25/2016	03/25/16 19:49	
Surrogate: Tetrachloro-m-xylene	51.6 %	16 - 105		B6C0708	03/25/2016	03/25/16 19:49	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-2-1.5 Lab ID: 1601093-71

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0685	03/25/2016	03/25/16 17:52	
Lead	2.7	1.0	1	B6C0685	03/25/2016	03/25/16 17:52	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
4,4´-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 20:01	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:01	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 20:01	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 20:01	
Surrogate: Decachlorobiphenyl	64.2 %	16 - 137		B6C0708	03/25/2016	03/25/16 20:01	
Surrogate: Tetrachloro-m-xylene	72.6 %	16 - 105		B6C0708	03/25/2016	03/25/16 20:01	

Analyst: CL



17781 Cowan Street

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-3-0.5 Lab ID: 1601093-73

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.2	1.0	1	B6C0685	03/25/2016	03/25/16 17:58	
Lead	3.0	1.0	1	B6C0685	03/25/2016	03/25/16 17:58	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
4,4'-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
4,4´-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 20:13	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:13	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 20:13	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 20:13	
Surrogate: Decachlorobiphenyl	48.3 %	16 - 137		B6C0708	03/25/2016	03/25/16 20:13	
Surrogate: Tetrachloro-m-xylene	51.4 %	16 - 105		B6C0708	03/25/2016	03/25/16 20:13	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-3-1.5 Lab ID: 1601093-74

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0685	03/25/2016	03/25/16 18:00	
Lead	8.5	1.0	1	B6C0685	03/25/2016	03/25/16 18:00	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
4,4'-DDE	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
4,4′-DDT	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Aldrin	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
alpha-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
alpha-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
beta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Chlordane	ND	8.5	1	B6C0708	03/25/2016	03/25/16 20:25	
delta-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Dieldrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Endosulfan I	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Endosulfan II	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Endosulfan sulfate	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Endrin	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Endrin aldehyde	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Endrin ketone	ND	2.0	1	B6C0708	03/25/2016	03/25/16 20:25	
gamma-BHC	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
gamma-Chlordane	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Heptachlor	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Heptachlor epoxide	ND	1.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Methoxychlor	ND	5.0	1	B6C0708	03/25/2016	03/25/16 20:25	
Toxaphene	ND	50	1	B6C0708	03/25/2016	03/25/16 20:25	
Surrogate: Decachlorobiphenyl	54.9 %	16 - 137		B6C0708	03/25/2016	03/25/16 20:25	
Surrogate: Tetrachloro-m-xylene	51.8 %	16 - 105		B6C0708	03/25/2016	03/25/16 20:25	

Analyst: CL



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-4-0.5 Lab ID: 1601093-76

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.7	1.0	1	B6C0685	03/25/2016	03/25/16 18:02	
Lead	4.6	1.0	1	B6C0685	03/25/2016	03/25/16 18:02	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
-					Ĩ	5	
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
4,4'-DDE	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
4,4'-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
alpha-Chlordane [2C]	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Chlordane [2C]	ND	8.5	1	B6C0710	03/25/2016	03/25/16 15:29	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Dieldrin [2C]	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:29	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
gamma-Chlordane [2C]	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 15:29	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 15:29	
Surrogate: Decachlorobiphenyl	58.8 %	16 - 137		B6C0710	03/25/2016	03/25/16 15:29	
Surrogate: Tetrachloro-m-xylene	54.6 %	16 - 105		B6C0710	03/25/2016	03/25/16 15:29	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB3-4-1.5 Lab ID: 1601093-77

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0685	03/25/2016	03/25/16 18:03	
Lead	2.7	1.0	1	B6C0685	03/25/2016	03/25/16 18:03	

Organochlorine Pesticides by EPA 8081

<u> </u>							
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
4,4′-DDE	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
4,4′-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 15:39	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:39	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 15:39	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 15:39	
Surrogate: Decachlorobiphenyl	71.6 %	16 - 137		B6C0710	03/25/2016	03/25/16 15:39	
Surrogate: Tetrachloro-m-xylene	69.2 %	16 - 105		B6C0710	03/25/2016	03/25/16 15:39	

Analyst: RR

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB4-1-0.5 Lab ID: 1601093-79

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0685	03/25/2016	03/25/16 18:05	
Lead	3.3	1.0	1	B6C0685	03/25/2016	03/25/16 18:05	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
4,4'-DDE	ND	2.0	1	B6C0710	03/25/2010	03/25/16 15:49	
4,4'-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 15:49	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 15:49	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 15:49	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 15:49	
Surrogate: Decachlorobiphenyl	58.0 %	16 - 137		B6C0710	03/25/2016	03/25/16 15:49	
Surrogate: Tetrachloro-m-xylene	49.8 %	16 - 105		B6C0710	03/25/2016	03/25/16 15:49	

Analyst: RR

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB4-1-1.5 Lab ID: 1601093-80

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.8	1.0	1	B6C0685	03/25/2016	03/25/16 18:08	
Lead	2.5	1.0	1	B6C0685	03/25/2016	03/25/16 18:08	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
-					Ĩ	5	
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
4,4'-DDE	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
4,4´-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 16:00	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:00	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 16:00	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 16:00	
Surrogate: Decachlorobiphenyl	75.2 %	16 - 137		B6C0710	03/25/2016	03/25/16 16:00	
Surrogate: Tetrachloro-m-xylene	77.8 %	16 - 105		B6C0710	03/25/2016	03/25/16 16:00	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB4-2-0.5 Lab ID: 1601093-83

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.0	1.0	1	B6C0685	03/25/2016	03/25/16 18:10	
Lead	7.0	1.0	1	B6C0685	03/25/2016	03/25/16 18:10	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
4,4'-DDE	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
4,4´-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 16:10	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:10	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 16:10	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 16:10	
Surrogate: Decachlorobiphenyl	52.1 %	16 - 137		B6C0710	03/25/2016	03/25/16 16:10	
Surrogate: Tetrachloro-m-xylene	50.8 %	16 - 105		B6C0710	03/25/2016	03/25/16 16:10	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB4-2-0.5 Lab ID: 1601093-83

Polychlorinated Biphenyls by EPA 8082

Polychlorinated Biphenyls by E	CPA 8082						Analyst: CL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1221	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1232	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1242	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1248	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1254	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1260	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1262	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1268	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Surrogate: Decachlorobiphenyl	82.0 %	24 - 135		B6C0739	03/26/2016	03/28/16 16:34	
Surrogate: Tetrachloro-m-xylene	72.5 %	29 - 105		B6C0739	03/26/2016	03/28/16 16:34	



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Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/29/2016

Client Sample ID FB4-2-1.5 Lab ID: 1601093-84

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0685	03/25/2016	03/25/16 18:12	
Lead	2.5	1.0	1	B6C0685	03/25/2016	03/25/16 18:12	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
4,4'-DDE	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
4,4′-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 16:21	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:21	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 16:21	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 16:21	
Surrogate: Decachlorobiphenyl	80.5 %	16 - 137		B6C0710	03/25/2016	03/25/16 16:21	
Surrogate: Tetrachloro-m-xylene	78.7 %	16 - 105		B6C0710	03/25/2016	03/25/16 16:21	

Analyst: CL



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614

Certificate of Analysis

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 03/29/2016

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0683 - EPA 3050B_S									
Blank (B6C0683-BLK1)				Prepared	: 3/25/2016 /	Analyzed: 3/25/	2016		
Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
LCS (B6C0683-BS1)				Prepared	: 3/25/2016	Analyzed: 3/25/	2016		
Arsenic	44.2080	1.0	50.0000		88.4	80 - 120			
Lead	45.7934	1.0	50.0000		91.6	80 - 120			
Matrix Spike (B6C0683-MS1)		Source: 1601	081-27	Prepared	: 3/25/2016	Analyzed: 3/25/	2016		
Arsenic	95.0808	1.0	125.000	3.11113	73.6	57 - 109			
Lead	92.3666	1.0	125.000	2.82971	71.6	35 - 129			
Matrix Spike Dup (B6C0683-MSD1)		Source: 1601	081-27	Prepared	: 3/25/2016	Analyzed: 3/25/	2016		
Arsenic	94.1558	1.0	125.000	3.11113	72.8	57 - 109	0.978	20	
Lead	91.7104	1.0	125.000	2.82971	71.1	35 - 129	0.713	20	



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Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6C0684 - EPA 3050B_S									
Blank (B6C0684-BLK1)				Prepared	: 3/25/2016	Analyzed: 3/25/	2016		
Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
LCS (B6C0684-BS1)				Prepared	: 3/25/2016	Analyzed: 3/25/	2016		
Arsenic	45.1885	1.0	50.0000		90.4	80 - 120			
Lead	47.0451	1.0	50.0000		94.1	80 - 120			
Matrix Spike (B6C0684-MS1)		Source: 1601	093-24	Prepared	: 3/25/2016	Analyzed: 3/25/	2016		
Arsenic	96.4482	1.0	125.000	2.24624	75.4	57 - 109			
Lead	96.1510	1.0	125.000	4.16430	73.6	35 - 129			
Matrix Spike Dup (B6C0684-MSD1)		Source: 1601	093-24	Prepared	: 3/25/2016	Analyzed: 3/25/	/2016		
Arsenic	95.9849	1.0	125.000	2.24624	75.0	57 - 109	0.482	20	
Lead	94.5024	1.0	125.000	4.16430	72.3	35 - 129	1.73	20	



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Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
	(118,118)	(8/.1.8)	20101	Iteoute	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2	14.5	Linny	110000
Batch B6C0685 - EPA 3050B_S									
Blank (B6C0685-BLK1)				Prepared	: 3/25/2016 A	Analyzed: 3/25/	2016		
Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
LCS (B6C0685-BS1)				Prepared	: 3/25/2016 A	Analyzed: 3/25/	/2016		
Arsenic	44.7986	1.0	50.0000		89.6	80 - 120			
Lead	45.7334	1.0	50.0000		91.5	80 - 120			
Matrix Spike (B6C0685-MS1)		Source: 1601	093-56	Prepared	: 3/25/2016 A	Analyzed: 3/25/	/2016		
Arsenic	97.5993	1.0	125.000	2.42574	76.1	57 - 109			
Lead	100.110	1.0	125.000	7.38136	74.2	35 - 129			
Matrix Spike Dup (B6C0685-MSD1)		Source: 1601	093-56	Prepared	: 3/25/2016 A	Analyzed: 3/25/	/2016		
Arsenic	96.1798	1.0	125.000	2.42574	75.0	57 - 109	1.47	20	
Lead	99.2594	1.0	125.000	7.38136	73.5	35 - 129	0.853	20	



	Certificate of Analysis
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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0663 - GCSEMI_PCB/PEST_S									
Blank (B6C0663-BLK1)				Prepareo	d: 3/24/2016 A	Analyzed: 3/24	/2016		
4,4′-DDD	ND	2.0			NR				
4,4'-DDD [2C]	ND	2.0			NR				
4,4´-DDE	ND	2.0			NR				
4,4'-DDE [2C]	ND	2.0			NR				
4,4'-DDT	ND	2.0			NR				
4,4'-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0663 - GCSEMI_PCB/PES	Γ_S (continued)								
Blank (B6C0663-BLK1) - Continued				Preparec	1: 3/24/2016	Analyzed: 3/24/	2016		
Aethoxychlor [2C]	ND	5.0			NR				
oxaphene	ND	50			NR				
oxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	12.65		16.6667		75.9	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	12.19		16.6667		73.2	16 - 137			
Surrogate: Tetrachloro-m-xylene	13.91		16.6667		83.4	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	14.33		16.6667		86.0	16 - 105			
LCS (B6C0663-BS1)				Preparec	1: 3/24/2016 A	Analyzed: 3/24/	2016		
,4′-DDD	13.6717	2.0	16.6667		82.0	58 - 100			
,4'-DDD [2C]	13.6727	2.0	16.6667		82.0	58 - 100			
,4′-DDE	13.8050	2.0	16.6667		82.8	65 - 99			
,4'-DDE [2C]	13.6798	2.0	16.6667		82.1	65 - 99			
,4′-DDT	14.0267	2.0	16.6667		84.2	39 - 116			
,4′-DDT [2C]	13.0092	2.0	16.6667		78.1	39 - 116			
ldrin	13.9923	1.0	16.6667		84.0	57 - 94			
ldrin [2C]	13.8330	1.0	16.6667		83.0	57 - 94			
pha-BHC	14.1723	1.0	16.6667		85.0	58 - 84			L3
pha-BHC [2C]	14.1167	1.0	16.6667		84.7	58 - 84			L3
pha-Chlordane	13.7815	1.0	16.6667		82.7	58 - 96			
pha-Chlordane [2C]	13.7382	1.0	16.6667		82.4	58 - 96			
eta-BHC	13.2600	1.0	16.6667		79.6	58 - 87			
eta-BHC [2C]	13.3247	1.0	16.6667		79.9	58 - 87			
elta-BHC	13.9953	1.0	16.6667		84.0	18 - 75			L3
elta-BHC [2C]	14.0207	1.0	16.6667		84.1	18 - 75			L3
lieldrin	13.9223	2.0	16.6667		83.5	62 - 94			
Dieldrin [2C]	13.9833	2.0	16.6667		83.9	62 - 94			
ndosulfan I	13.4895	1.0	16.6667		80.9	58 - 90			
ndosulfan I [2C]	13.3670	1.0	16.6667		80.2	58 - 90			
ndosulfan II	12.9252	2.0	16.6667		77.6	63 - 95 (2 - 95			
ndosulfan II [2C]	13.2215	2.0	16.6667		79.3	63 - 95			
ndosulfan sulfate	13.1597	2.0	16.6667		79.0	59 - 89			
ndosulfan Sulfate [2C]	13.1038	2.0	16.6667		78.6	59 - 89 (4 - 9)			
ndrin ndrin [2C]	14.0930 13.9342	2.0	16.6667 16.6667		84.6 83.6	64 - 96 64 - 96			
ndrin [20]	13.2055	2.0 2.0	16.6667		83.6 79.2	64 - 96 65 - 95			
ndrin aldehyde [2C]	13.2055	2.0	16.6667		79.2 82.6	65 - 95 65 - 95			
ndrin ketone	13.7678	2.0	16.6667		82.0 84.4	65 - 95 59 - 101			
Endrin ketone [2C]	14.0723	2.0	16.6667		84.4 83.6	59 - 101 59 - 101			
amma-BHC	14.3023	1.0	16.6667		85.8	63 - 89			
amma-BHC [2C]	14.5658	1.0	16.6667		87.4	63 - 89			



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Irvine , CA 92614	Reported :	03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0663 - GCSEMI_PCB/PES	T_S (continued)							
LCS (B6C0663-BS1) - Continued				Prepared	: 3/24/2016	Analyzed: 3/24/	2016		
gamma-Chlordane	13.3292	1.0	16.6667		80.0	61 - 95			
gamma-Chlordane [2C]	13.3807	1.0	16.6667		80.3	61 - 95			
Heptachlor	14.0183	1.0	16.6667		84.1	65 - 102			
Heptachlor [2C]	13.4432	1.0	16.6667		80.7	65 - 102			
Heptachlor epoxide	13.7918	1.0	16.6667		82.8	61 - 95			
Heptachlor epoxide [2C]	13.6103	1.0	16.6667		81.7	61 - 95			
Methoxychlor	12.4407	5.0	16.6667		74.6	29 - 128			
Methoxychlor [2C]	12.1432	5.0	16.6667		72.9	29 - 128			
Surrogate: Decachlorobiphenyl	12.40		16.6667		74.4	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	12.09		16.6667		72.6	16 - 137			
Surrogate: Tetrachloro-m-xylene	13.23		16.6667		79.4	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.52		16.6667		81.1	16 - 105			
Duplicate (B6C0663-DUP1)		Source: 1600	999-19	Prepared	: 3/24/2016	Analyzed: 3/24/	2016		
,4´-DDD	ND	2.0		ND	NR			20	
,4′-DDD [2C]	ND	2.0		ND	NR			20	
,4′-DDE	0.314167	2.0		0.326000	NR		3.70	20	
,4′-DDE [2C]	0.225833	2.0		0.226167	NR		0.148	20	
,4′-DDT	0.274333	2.0		0.269667	NR		1.72	20	
,4′-DDT [2C]	1.75367	2.0		1.72017	NR		1.93	20	
Aldrin	ND	1.0		ND	NR			20	
Aldrin [2C]	ND	1.0		ND	NR			20	
lpha-BHC	ND	1.0		ND	NR			20	
lpha-BHC [2C]	ND	1.0		ND	NR			20	
lpha-Chlordane	ND	1.0		ND	NR			20	
lpha-Chlordane [2C]	ND	1.0		ND	NR			20	
eta-BHC	ND	1.0		ND	NR			20	
eta-BHC [2C]	ND	1.0		ND	NR			20	
elta-BHC	ND	1.0		ND	NR			20	
elta-BHC [2C]	ND	1.0		ND	NR			20	
Dieldrin	ND	2.0		ND	NR			20	
Dieldrin [2C]	ND	2.0		ND	NR			20	
Endosulfan I	ND	1.0		ND	NR			20	
Endosulfan I [2C]	ND	1.0		ND	NR			20	
Endosulfan II	ND	2.0		ND	NR			20	
Endosulfan II [2C]	ND	2.0		ND	NR			20	
Endosulfan sulfate	ND	2.0		ND	NR			20	
Endosulfan Sulfate [2C]	ND	2.0		ND	NR			20	
Endrin	ND	2.0		ND	NR			20	
ndrin [2C]	ND	2.0		ND	NR			20	
ndrin aldehyde	ND	2.0		ND	NR			20	



	Certificate of Analysis	
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Irvine , CA 92614	Reported : 03/29/2016	

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0663 - GCSEMI_PCB/PEST	_S (continued)							
Duplicate (B6C0663-DUP1) - Continued		Source: 1600	999-19	Prepared	l: 3/24/2016 /	Analyzed: 3/24/	2016		
ndrin aldehyde [2C]	ND	2.0		ND	NR			20	
Indrin ketone	ND	2.0		ND	NR			20	
Indrin ketone [2C]	ND	2.0		ND	NR			20	
amma-BHC	ND	1.0		ND	NR			20	
amma-BHC [2C]	ND	1.0		ND	NR			20	
amma-Chlordane	ND	1.0		ND	NR			20	
amma-Chlordane [2C]	ND	1.0		ND	NR			20	
Ieptachlor	ND	1.0		ND	NR			20	
Ieptachlor [2C]	ND	1.0		ND	NR			20	
Ieptachlor epoxide	ND	1.0		ND	NR			20	
Ieptachlor epoxide [2C]	ND	1.0		ND	NR			20	
ſethoxychlor	ND	5.0		ND	NR			20	
1ethoxychlor [2C]	ND	5.0		ND	NR			20	
Surrogate: Decachlorobiphenyl	10.07		16.6667		60.4	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.45		16.6667		62.7	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.18		16.6667		67.1	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.96		16.6667		71.8	16 - 105			
Matrix Spike (B6C0663-MS1)		Source: 1601		Prepared		Analyzed: 3/24/	2016		
.4′-DDD	8.60117	2.0	16.6667	ND	51.6	27 - 123			
,4´-DDD [2C]	8.74317	2.0	16.6667	ND	52.5	27 - 123			
,4´-DDE	8.68683	2.0	16.6667	ND	52.1	28 - 126			
,4´-DDE [2C]	8.00483	2.0	16.6667	ND	48.0	28 - 126			
,4'-DDT	9.48167	2.0	16.6667	ND	56.9	12 - 149			
,4´-DDT [2C]	7.43567	2.0	16.6667	ND	44.6	12 - 149			
ldrin	8.73117	1.0	16.6667	ND	52.4	29 - 116			
Idrin [2C]	8.93300	1.0	16.6667	ND	53.6	29 - 116			
lpha-BHC	8.75883	1.0	16.6667	ND	52.6	27 - 104			
lpha-BHC [2C]	8.96167	1.0	16.6667	ND	53.8	27 - 104			
lpha-Chlordane	8.65367	1.0	16.6667	ND	51.9	14 - 130			
lpha-Chlordane [2C]	8.87200	1.0	16.6667	ND	53.2	14 - 130			
eta-BHC	8.48400	1.0	16.6667	ND	50.9	20 - 115			
eta-BHC [2C]	8.49467	1.0	16.6667	ND	51.0	20 - 115			
elta-BHC	8.78383	1.0	16.6667	ND	52.7	8 - 78			
elta-BHC [2C]	9.00200	1.0	16.6667	ND	54.0	8 - 78			
Dieldrin	8.66800	2.0	16.6667	ND	52.0	20 - 134			
Dieldrin [2C]	8.93900	2.0	16.6667	ND	53.6	20 - 134			
ndosulfan I	8.48750	1.0	16.6667	ND	50.9	27 - 114			
		1.0	16.6667	ND	52.2	27 - 114			
ndosulfan I [2C]	0.09001								
ndosulfan I [2C] Indosulfan II	8.69683 8.34417	2.0	16.6667	ND	50.1	16 - 125			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0663 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0663-MS1) - Continued		Source: 160	1081-28	Prepared	l: 3/24/2016	Analyzed: 3/24/2	2016		
Endosulfan sulfate	8.35183	2.0	16.6667	ND	50.1	1 - 126			
Endosulfan Sulfate [2C]	8.47783	2.0	16.6667	ND	50.9	1 - 126			
Endrin	8.88817	2.0	16.6667	ND	53.3	33 - 122			
Endrin [2C]	9.24400	2.0	16.6667	ND	55.5	33 - 122			
Endrin aldehyde	7.07717	2.0	16.6667	ND	42.5	0 - 137			
Endrin aldehyde [2C]	8.63917	2.0	16.6667	ND	51.8	0 - 137			
Endrin ketone	8.88517	2.0	16.6667	ND	53.3	10 - 126			
Endrin ketone [2C]	9.19850	2.0	16.6667	ND	55.2	10 - 126			
gamma-BHC	8.93567	1.0	16.6667	ND	53.6	30 - 111			
gamma-BHC [2C]	9.37183	1.0	16.6667	ND	56.2	30 - 111			
gamma-Chlordane	8.40667	1.0	16.6667	ND	50.4	16 - 130			
gamma-Chlordane [2C]	8.56833	1.0	16.6667	ND	51.4	16 - 130			
Heptachlor	8.92083	1.0	16.6667	ND	53.5	34 - 127			
Heptachlor [2C]	8.97667	1.0	16.6667	ND	53.9	34 - 127			
Heptachlor epoxide	8.64617	1.0	16.6667	ND	51.9	19 - 130			
Heptachlor epoxide [2C]	8.84267	1.0	16.6667	ND	53.1	19 - 130			
Methoxychlor	8.07650	5.0	16.6667	ND	48.5	16 - 153			
Methoxychlor [2C]	8.85983	5.0	16.6667	ND	53.2	16 - 153			
Surrogate: Decachlorobiphenyl	7.656		16.6667		45.9	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	8.013		16.6667		48.1	16 - 137			
Surrogate: Tetrachloro-m-xylene	8.114		16.6667		48.7	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	8.744		16.6667		52.5	16 - 105			
Matrix Spike Dup (B6C0663-MSD1)		Source: 160	1081-28	Prepared	l: 3/24/2016	Analyzed: 3/24/2	2016		
4,4′-DDD	9.23083	2.0	16.6667	ND	55.4	27 - 123	7.06	20	
4,4'-DDD [2C]	9.55583	2.0	16.6667	ND	57.3	27 - 123	8.88	20	
4,4'-DDE	9.35283	2.0	16.6667	ND	56.1	28 - 126	7.38	20	
4,4'-DDE [2C]	8.43667	2.0	16.6667	ND	50.6	28 - 126	5.25	20	
4,4'-DDT	10.1937	2.0	16.6667	ND	61.2	12 - 149	7.24	20	
4,4'-DDT [2C]	7.87000	2.0	16.6667	ND	47.2	12 - 149	5.68	20	
Aldrin	9.40600	1.0	16.6667	ND	56.4	29 - 116	7.44	20	
Aldrin [2C]	9.69400	1.0	16.6667	ND	58.2	29 - 116	8.17	20	
alpha-BHC	9.46433	1.0	16.6667	ND	56.8	27 - 104	7.74	20	
alpha-BHC [2C]	9.68117	1.0	16.6667	ND	58.1	27 - 104	7.72	20	
alpha-Chlordane	9.30067	1.0	16.6667	ND	55.8	14 - 130	7.21	20	
alpha-Chlordane [2C]	9.65317	1.0	16.6667	ND	57.9	14 - 130	8.43	20	
beta-BHC	9.17917	1.0	16.6667	ND	55.1	20 - 115	7.87	20	
beta-BHC [2C]	9.22850	1.0	16.6667	ND	55.4	20 - 115	8.28	20	
delta-BHC	9.58350	1.0	16.6667	ND	57.5	8 - 78	8.71	20	
delta-BHC [2C]	9.89100	1.0	16.6667	ND	59.3	8 - 78	9.41	20	
Dieldrin	9.29833	2.0	16.6667	ND	55.8	20 - 134	7.02	20	



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17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/29/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0663 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0663-MSD1) - Continued		Source: 160	1081-28	Prepared: 3/24/2016 Analyzed: 3/24/2016				
Dieldrin [2C]	9.68733	2.0	16.6667	ND	58.1	20 - 134	8.04	20
Endosulfan I	9.08150	1.0	16.6667	ND	54.5	27 - 114	6.76	20
Endosulfan I [2C]	9.42300	1.0	16.6667	ND	56.5	27 - 114	8.02	20
Endosulfan II	8.92867	2.0	16.6667	ND	53.6	16 - 125	6.77	20
Endosulfan II [2C]	9.28300	2.0	16.6667	ND	55.7	16 - 125	7.59	20
Endosulfan sulfate	8.88600	2.0	16.6667	ND	53.3	1 - 126	6.20	20
Endosulfan Sulfate [2C]	9.20733	2.0	16.6667	ND	55.2	1 - 126	8.25	20
Endrin	9.62067	2.0	16.6667	ND	57.7	33 - 122	7.92	20
Endrin [2C]	10.0838	2.0	16.6667	ND	60.5	33 - 122	8.69	20
Endrin aldehyde	7.38500	2.0	16.6667	ND	44.3	0 - 137	4.26	20
Endrin aldehyde [2C]	9.33600	2.0	16.6667	ND	56.0	0 - 137	7.75	20
Endrin ketone	9.59233	2.0	16.6667	ND	57.6	10 - 126	7.65	20
Endrin ketone [2C]	9.96867	2.0	16.6667	ND	59.8	10 - 126	8.04	20
gamma-BHC	9.66767	1.0	16.6667	ND	58.0	30 - 111	7.87	20
gamma-BHC [2C]	10.1818	1.0	16.6667	ND	61.1	30 - 111	8.28	20
gamma-Chlordane	9.03767	1.0	16.6667	ND	54.2	16 - 130	7.23	20
gamma-Chlordane [2C]	9.32683	1.0	16.6667	ND	56.0	16 - 130	8.48	20
Heptachlor	9.67167	1.0	16.6667	ND	58.0	34 - 127	8.08	20
Heptachlor [2C]	9.88433	1.0	16.6667	ND	59.3	34 - 127	9.62	20
Heptachlor epoxide	9.28383	1.0	16.6667	ND	55.7	19 - 130	7.11	20
Heptachlor epoxide [2C]	9.57500	1.0	16.6667	ND	57.4	19 - 130	7.95	20
Methoxychlor	8.61017	5.0	16.6667	ND	51.7	16 - 153	6.40	20
Methoxychlor [2C]	9.67117	5.0	16.6667	ND	58.0	16 - 153	8.76	20
Surrogate: Decachlorobiphenyl	7.980		16.6667		47.9	16 - 137		
Surrogate: Decachlorobiphenyl [2C]	8.543		16.6667		51.3	16 - 137		
Surrogate: Tetrachloro-m-xylene	8.710		16.6667		52.3	16 - 105		
Surrogate: Tetrachloro-m-xylene [2C]	9.403		16.6667		56.4	16 - 105		



	Certificate of Analysis
Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
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		Result	PQL	Spike	Source		% Rec		RPD	
Blank (B6C0695-BLK1) Prepared: 3/24/2016 Analyzed: 3/25/2016 4'-DDD ND 2.0 NR 4'-DDE ND 2.0 NR 4'-DDE ND 2.0 NR 4'-DDE [2C] ND 2.0 NR 4'-DDE [2C] ND 2.0 NR 4'-DDT ND 2.0 NR 4'-DDT [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR drin ND 2.0 NR drin ND 2.0 NR drin ND 1.0 NR drin ND 1.0 NR oha-BHC ND 1.0 NR oha-Chlordane ND 1.0 NR	yte					% Rec		RPD		Notes
A'-DDD ND 2.0 NR 4'-DDD [2C] ND 2.0 NR 4'-DDE ND 2.0 NR 4'-DDE [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR 4'-DT ND 2.0 NR ND 4'-DT [2C] ND 2.0 NR drin ND 1.0 NR oha-BHC ND 1.0 NR oha-Chlordane ND 1.0 NR	h B6C0695 - GCSEMI_PCB/PEST	_S								
4'-DDD [2C] ND 2.0 NR 4'-DDE [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR drin ND 2.0 NR drin [2C] ND 2.0 NR bha-BHC ND 1.0 NR bha-BHC [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR bha-BHC ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR	k (B6C0695-BLK1)				Prepared	l: 3/24/2016 A	nalyzed: 3/25/	2016		
4'-DDD [2C] ND 2.0 NR 4'-DDE [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR 4'-DDT [2C] ND 2.0 NR drin ND 2.0 NR drin [2C] ND 2.0 NR bha-BHC ND 1.0 NR bha-BHC [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR bha-BHC ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR	DDD	ND	2.0			NR				
4'-DD ND 2.0 NR 4'-DDE [2C] ND 2.0 NR 4'-DDT ND 2.0 NR 4'-DDT [2C] ND 2.0 NR drin ND 1.0 NR drin [2C] ND 1.0 NR oha-BHC ND 1.0 NR oha-BHC [2C] ND 1.0 NR oha-Chlordane ND 1.0 NR oha-Chlordane [2C] ND 1.0 NR oha-BHC ND 1.0 NR oha-Chlordane ND 1.0 NR oha-Chlordane ND 1.0 NR oha-BHC ND 1.0 NR oha-Chlordane ND 1.0 NR oha-Chlordane [2C] ND 1.0 NR	DDD [2C]	ND				NR				
4'-DDT ND 2.0 NR 4'-DDT 2.0 NR 4'-DDT ND 2.0 NR drin ND 1.0 NR drin [2C] ND 1.0 NR bha-BHC ND 1.0 NR bha-BHC [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR										
4'-DDT [2C] ND 2.0 NR drin ND 1.0 NR drin [2C] ND 1.0 NR oha-BHC ND 1.0 NR oha-BHC [2C] ND 1.0 NR oha-Chlordane ND 1.0 NR oha-Chlordane [2C] ND 1.0 NR ta-BHC ND 1.0 NR	DDE [2C]	ND	2.0			NR				
A'-DDT [2C] ND 2.0 NR drin ND 1.0 NR drin [2C] ND 1.0 NR oha-BHC ND 1.0 NR oha-BHC [2C] ND 1.0 NR oha-Chlordane ND 1.0 NR oha-Chlordane [2C] ND 1.0 NR ta-BHC ND 1.0 NR	DDT	ND	2.0			NR				
drin [2C] ND 1.0 NR oha-BHC ND 1.0 NR oha-BHC [2C] ND 1.0 NR oha-Chlordane ND 1.0 NR oha-Chlordane [2C] ND 1.0 NR ta-BHC ND 1.0 NR	DDT [2C]	ND	2.0			NR				
pha-BHC ND 1.0 NR pha-BHC [2C] ND 1.0 NR pha-Chlordane ND 1.0 NR pha-Chlordane [2C] ND 1.0 NR ta-BHC ND 1.0 NR										
bha-BHC [2C] ND 1.0 NR bha-Chlordane ND 1.0 NR bha-Chlordane [2C] ND 1.0 NR ta-BHC ND 1.0 NR						NR				
bha-ChlordaneND1.0NRbha-Chlordane [2C]ND1.0NRta-BHCND1.0NR										
bha-Chlordane [2C]ND1.0NRta-BHCND1.0NR	·BHC [2C]	ND	1.0			NR				
ta-BHC ND 1.0 NR			1.0							
ta-BHC [2C] ND 1.0 NR										
nlordane ND 8.5 NR										
nlordane [2C] ND 8.5 NR										
lta-BHC ND 1.0 NR										
Ita-BHC [2C] ND 1.0 NR										
eldrin ND 2.0 NR										
eldrin [2C] ND 2.0 NR										
ndosulfan I ND 1.0 NR										
ndosulfan I [2C] ND 1.0 NR										
ndosulfan II ND 2.0 NR										
ndosulfan II [2C] ND 2.0 NR										
ndosulfan sulfate ND 2.0 NR										
ndosulfan Sulfate [2C] ND 2.0 NR										
ndrin ND 2.0 NR										
hdrin [2C] ND 2.0 NR										
hdrin aldehyde ND 2.0 NR	-									
hdrin aldehyde [2C] ND 2.0 NR										
hdrin ketone ND 2.0 NR										
ndrin ketone [2C] ND 2.0 NR										
mma-BHC ND 1.0 NR										
mma-BHC [2C] ND 1.0 NR										
mma-Chlordane ND 1.0 NR										
mma-Chlordane [2C] ND 1.0 NR										
eptachlor ND 1.0 NR										
eptachlor [2C] ND 1.0 NR										
eptachlor epoxide ND 1.0 NR										
eptachlor epoxide [2C] ND 1.0 NR	11 10 00		1.0							
ethoxychlor ND 5.0 NR										



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Irvine , CA 92614	Reported :	03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0695 - GCSEMI_PCB/PES	T_S (continued)								
Blank (B6C0695-BLK1) - Continued				Prepared	d: 3/24/2016	Analyzed: 3/25/	/2016		
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	13.91		16.6667		83.4	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.44		16.6667		80.7	16 - 137			
Surrogate: Tetrachloro-m-xylene	13.43		16.6667		80.6	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.37		16.6667		80.2	16 - 105			
LCS (B6C0695-BS1)				Prepared	1: 3/24/2016	Analyzed: 3/25/	/2016		
l,4′-DDD	15.5498	2.0	16.6667		93.3	58 - 100			
4,4´-DDD [2C]	15.8793	2.0	16.6667		95.3	58 - 100			
i,4´-DDE	14.5392	2.0	16.6667		87.2	65 - 99			
,4'-DDE [2C]	14.8362	2.0	16.6667		89.0	65 - 99			
4,4´-DDT	17.9280	2.0	16.6667		108	39 - 116			
,4′-DDT [2C]	16.5932	2.0	16.6667		99.6	39 - 116			
Aldrin	14.2117	1.0	16.6667		85.3	57 - 94			
Aldrin [2C]	14.1563	1.0	16.6667		84.9	57 - 94			
llpha-BHC	13.8793	1.0	16.6667		83.3	58 - 84			
lpha-BHC [2C]	13.8067	1.0	16.6667		82.8	58 - 84			
lpha-Chlordane	14.4322	1.0	16.6667		86.6	58 - 96			
lpha-Chlordane [2C]	14.3117	1.0	16.6667		85.9	58 - 96			
peta-BHC	13.5583	1.0	16.6667		81.3	58 - 87			
peta-BHC [2C]	13.1645	1.0	16.6667		79.0	58 - 87			
lelta-BHC	14.4573	1.0	16.6667		86.7	18 - 75			L3
lelta-BHC [2C]	14.4333	1.0	16.6667		86.6	18 - 75			L3
Dieldrin	14.7513	2.0	16.6667		88.5	62 - 94			
Dieldrin [2C]	14.9672	2.0	16.6667		89.8	62 - 94			
Endosulfan I	13.9542	1.0	16.6667		83.7	58 - 90			
Endosulfan I [2C]	14.1793	1.0	16.6667		85.1	58 - 90			
Endosulfan II	14.4467	2.0	16.6667		86.7	63 - 95			
Endosulfan II [2C]	14.6817	2.0	16.6667		88.1	63 - 95			× 0
Endosulfan sulfate	16.2778	2.0	16.6667		97.7	59 - 89			L3
Endosulfan Sulfate [2C]	14.7453	2.0	16.6667		88.5	59 - 89			
Endrin	15.2728	2.0	16.6667		91.6	64 - 96			
Endrin [2C]	15.9458	2.0	16.6667		95.7	64 - 96			1.2
Endrin aldehyde	16.4057	2.0	16.6667		98.4	65 - 95			L3
Endrin aldehyde [2C]	16.2778	2.0	16.6667		97.7	65 - 95			L3
Endrin ketone	16.1707	2.0	16.6667		97.0	59 - 101			
Endrin ketone [2C]	15.0475	2.0	16.6667		90.3	59 - 101			
gamma-BHC	14.4508	1.0	16.6667		86.7	63 - 89			
gamma-BHC [2C]	14.2047	1.0	16.6667		85.2	63 - 89			



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0695 - GCSEMI_PCB/PES	T_S (continued)							
LCS (B6C0695-BS1) - Continued				Prepareo	d: 3/24/2016	Analyzed: 3/25	/2016		
gamma-Chlordane	14.0877	1.0	16.6667		84.5	61 - 95			
gamma-Chlordane [2C]	14.2010	1.0	16.6667		85.2	61 - 95			
Heptachlor	15.5020	1.0	16.6667		93.0	65 - 102			
Heptachlor [2C]	14.2747	1.0	16.6667		85.6	65 - 102			
Heptachlor epoxide	14.4212	1.0	16.6667		86.5	61 - 95			
Heptachlor epoxide [2C]	13.9930	1.0	16.6667		84.0	61 - 95			
Methoxychlor	21.5512	5.0	16.6667		129	29 - 128			L3
Methoxychlor [2C]	18.4352	5.0	16.6667		111	29 - 128			
Surrogate: Decachlorobiphenyl	14.54		16.6667		87.2	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.61		16.6667		81.6	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.73		16.6667		76.4	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	12.68		16.6667		76.1	16 - 105			
Matrix Spike (B6C0695-MS1)		Source: 1601	093-17	Prepareo	d: 3/24/2016	Analyzed: 3/25	/2016		
,4′-DDD	15.7777	2.0	16.6667	ND	94.7	27 - 123			
,4′-DDD [2C]	16.5298	2.0	16.6667	ND	99.2	27 - 123			
,4′-DDE	14.6383	2.0	16.6667	ND	87.8	28 - 126			
,4'-DDE [2C]	15.5878	2.0	16.6667	ND	93.5	28 - 126			
,4′-DDT	14.8157	2.0	16.6667	ND	88.9	12 - 149			
,4'-DDT [2C]	17.5040	2.0	16.6667	ND	105	12 - 149			
Aldrin	13.9368	1.0	16.6667	ND	83.6	29 - 116			
Aldrin [2C]	14.7177	1.0	16.6667	ND	88.3	29 - 116			
llpha-BHC	14.1577	1.0	16.6667	ND	84.9	27 - 104			
lpha-BHC [2C]	14.6363	1.0	16.6667	ND	87.8	27 - 104			
lpha-Chlordane	14.6610	1.0	16.6667	ND	88.0	14 - 130			
lpha-Chlordane [2C]	14.9648	1.0	16.6667	ND	89.8	14 - 130			
eta-BHC	13.8178	1.0	16.6667	ND	82.9	20 - 115			
eta-BHC [2C]	14.0347	1.0	16.6667	ND	84.2	20 - 115			
elta-BHC	14.7660	1.0	16.6667	ND	88.6	8 - 78			M7
lelta-BHC [2C]	15.1720	1.0	16.6667	ND	91.0	8 - 78			M7
Dieldrin	14.8140	2.0	16.6667	ND	88.9	20 - 134			
Dieldrin [2C]	15.5952	2.0	16.6667	ND	93.6	20 - 134			
Endosulfan I	13.9338	1.0	16.6667	ND	83.6	27 - 114			
Endosulfan I [2C]	14.6005	1.0	16.6667	ND	87.6	27 - 114			
Endosulfan II	14.4750	2.0	16.6667	ND	86.8	16 - 125			
Endosulfan II [2C]	15.1215	2.0	16.6667	ND	90.7	16 - 125			
Endosulfan sulfate	16.2007	2.0	16.6667	ND	97.2	1 - 126			
Endosulfan Sulfate [2C]	15.4018	2.0	16.6667	ND	92.4	1 - 126			
Endrin	15.3762	2.0	16.6667	ND	92.3	33 - 122			
Endrin [2C]	16.4457	2.0	16.6667	ND	98.7	33 - 122			
Endrin aldehyde	15.7962	2.0	16.6667	ND	94.8	0 - 137			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0695 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0695-MS1) - Continued		Source: 160	1093-17	Preparec	1: 3/24/2016	Analyzed: 3/25/2	2016		
Endrin aldehyde [2C]	11.1192	2.0	16.6667	ND	66.7	0 - 137			
Endrin ketone	16.3370	2.0	16.6667	ND	98.0	10 - 126			
Endrin ketone [2C]	15.8843	2.0	16.6667	ND	95.3	10 - 126			
gamma-BHC	14.7612	1.0	16.6667	ND	88.6	30 - 111			
gamma-BHC [2C]	15.0968	1.0	16.6667	ND	90.6	30 - 111			
gamma-Chlordane	14.2597	1.0	16.6667	ND	85.6	16 - 130			
gamma-Chlordane [2C]	14.8513	1.0	16.6667	ND	89.1	16 - 130			
Heptachlor	15.6720	1.0	16.6667	ND	94.0	34 - 127			
Heptachlor [2C]	14.8958	1.0	16.6667	ND	89.4	34 - 127			
Heptachlor epoxide	14.4618	1.0	16.6667	ND	86.8	19 - 130			
Heptachlor epoxide [2C]	14.4627	1.0	16.6667	ND	86.8	19 - 130			
Methoxychlor	23.6257	5.0	16.6667	ND	142	16 - 153			
Methoxychlor [2C]	19.4510	5.0	16.6667	ND	117	16 - 153			
Surrogate: Decachlorobiphenyl	14.53		16.6667		87.2	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	14.62		16.6667		87.7	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.61		16.6667		75.7	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.23		16.6667		79.4	16 - 105			
Matrix Spike Dup (B6C0695-MSD1)		Source: 160	1093-17	Prepared	1: 3/24/2016	Analyzed: 3/25/2	2016		
4,4'-DDD	15.1460	2.0	16.6667	ND	90.9	27 - 123	4.09	20	
4,4'-DDD [2C]	16.0003	2.0	16.6667	ND	96.0	27 - 123	3.26	20	
4,4′-DDE	14.0492	2.0	16.6667	ND	84.3	28 - 126	4.11	20	
4,4'-DDE [2C]	14.8707	2.0	16.6667	ND	89.2	28 - 126	4.71	20	
4,4′-DDT	14.2857	2.0	16.6667	ND	85.7	12 - 149	3.64	20	
4,4'-DDT [2C]	16.7760	2.0	16.6667	ND	101	12 - 149	4.25	20	
Aldrin	13.3647	1.0	16.6667	ND	80.2	29 - 116	4.19	20	
Aldrin [2C]	14.0682	1.0	16.6667	ND	84.4	29 - 116	4.51	20	
alpha-BHC	13.5200	1.0	16.6667	ND	81.1	27 - 104	4.61	20	
alpha-BHC [2C]	13.9633	1.0	16.6667	ND	83.8	27 - 104	4.71	20	
alpha-Chlordane	14.0550	1.0	16.6667	ND	84.3	14 - 130	4.22	20	
alpha-Chlordane [2C]	14.2848	1.0	16.6667	ND	85.7	14 - 130	4.65	20	
beta-BHC	13.2858	1.0	16.6667	ND	79.7	20 - 115	3.93	20	
beta-BHC [2C]	13.5008	1.0	16.6667	ND	81.0	20 - 115	3.88	20	
delta-BHC	14.1898	1.0	16.6667	ND	85.1	8 - 78	3.98	20	M7
delta-BHC [2C]	14.6013	1.0	16.6667	ND	87.6	8 - 78	3.83	20	M7
Dieldrin	14.1865	2.0	16.6667	ND	85.1	20 - 134	4.33	20	
Dieldrin [2C]	15.0930	2.0	16.6667	ND	90.6	20 - 134	3.27	20	
Endosulfan I	13.3252	1.0	16.6667	ND	80.0	27 - 114	4.47	20	
Endosulfan I [2C]	13.9823	1.0	16.6667	ND	83.9	27 - 114	4.33	20	
Endosulfan II	13.8987	2.0	16.6667	ND	83.4	16 - 125	4.06	20	
Endosulfan II [2C]	14.5718	2.0	16.6667	ND	87.4	16 - 125	3.70	20	



Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
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Irvine , CA 92614	Reported :	03/29/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0695 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0695-MSD1) - Co	ntinued	Source: 1601093-17		Preparec	d: 3/24/2016	2016			
Endosulfan sulfate	14.8015	2.0	16.6667	ND	88.8	1 - 126	9.03	20	
Endosulfan Sulfate [2C]	14.8347	2.0	16.6667	ND	89.0	1 - 126	3.75	20	
Endrin	14.7347	2.0	16.6667	ND	88.4	33 - 122	4.26	20	
Endrin [2C]	15.8740	2.0	16.6667	ND	95.2	33 - 122	3.54	20	
Endrin aldehyde	14.9245	2.0	16.6667	ND	89.5	0 - 137	5.67	20	
Endrin aldehyde [2C]	10.7297	2.0	16.6667	ND	64.4	0 - 137	3.57	20	
Endrin ketone	14.1387	2.0	16.6667	ND	84.8	10 - 126	14.4	20	
Endrin ketone [2C]	15.2823	2.0	16.6667	ND	91.7	10 - 126	3.86	20	
gamma-BHC	14.1433	1.0	16.6667	ND	84.9	30 - 111	4.28	20	
gamma-BHC [2C]	14.4255	1.0	16.6667	ND	86.6	30 - 111	4.55	20	
gamma-Chlordane	13.6670	1.0	16.6667	ND	82.0	16 - 130	4.24	20	
gamma-Chlordane [2C]	14.1698	1.0	16.6667	ND	85.0	16 - 130	4.70	20	
Heptachlor	14.9802	1.0	16.6667	ND	89.9	34 - 127	4.51	20	
Heptachlor [2C]	14.2620	1.0	16.6667	ND	85.6	34 - 127	4.35	20	
Heptachlor epoxide	13.8698	1.0	16.6667	ND	83.2	19 - 130	4.18	20	
Heptachlor epoxide [2C]	13.8090	1.0	16.6667	ND	82.9	19 - 130	4.62	20	
Methoxychlor	21.0782	5.0	16.6667	ND	126	16 - 153	11.4	20	
Methoxychlor [2C]	18.5352	5.0	16.6667	ND	111	16 - 153	4.82	20	
Surrogate: Decachlorobiphenyl	14.13		16.6667		84.8	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.80		16.6667		82.8	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.07		16.6667		72.4	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	12.62		16.6667		75.7	16 - 105			



	Certificate of Analysis
Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
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Irvine , CA 92614	Reported : 03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0708 - GCSEMI_PCB/PEST_S									
Blank (B6C0708-BLK1)				Preparec	1: 3/25/2016 A	Analyzed: 3/25/	/2016		
4,4′-DDD	ND	2.0			NR				
4,4´-DDD [2C]	ND	2.0			NR				
4,4´-DDE	ND	2.0			NR				
4,4´-DDE [2C]	ND	2.0			NR				
4,4´-DDT	ND	2.0			NR				
4,4´-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



	Certificate of Tillary	515
Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
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Irvine , CA 92614	Reported :	03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0708 - GCSEMI_PCB/PES	T S (continued)								
Blank (B6C0708-BLK1) - Continued				Prenared	1: 3/25/2016	Analyzed: 3/25/	2016		
	ND	5.0		repared	NR				
Methoxychlor [2C]	ND ND	5.0 50			NR NR				
Foxaphene	ND ND	50 50			NR NR				
Foxaphene [2C]		50	16 6667			16 127			
Surrogate: Decachlorobiphenyl Surrogate: Decachlorobiphenyl [2C]	10.31 9.298		16.6667 16.6667		61.9 55.8	16 - 137 16 - 137			
Surrogate: Tetrachloro-m-xylene	11.29 11.62		16.6667 16.6667		67.8 69.7	16 - 105 16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.62		10.000/		09./	10 - 103			
LCS (B6C0708-BS1)				Preparec	1: 3/25/2016 #	Analyzed: 3/25/	2016		
ł,4´-DDD	11.2348	2.0	16.6667		67.4	58 - 100			
4,4´-DDD [2C]	10.9817	2.0	16.6667		65.9	58 - 100			
I,4´-DDE	11.4547	2.0	16.6667		68.7	65 - 99			
I,4'-DDE [2C]	11.0952	2.0	16.6667		66.6	65 - 99			
I,4´-DDT	11.5995	2.0	16.6667		69.6	39 - 116			
I,4'-DDT [2C]	10.7232	2.0	16.6667		64.3	39 - 116			
Aldrin	11.9867	1.0	16.6667		71.9	57 - 94			
Aldrin [2C]	11.4165	1.0	16.6667		68.5	57 - 94			
llpha-BHC	12.2780	1.0	16.6667		73.7	58 - 84			
llpha-BHC [2C]	11.8727	1.0	16.6667		71.2	58 - 84			
llpha-Chlordane	11.5410	1.0	16.6667		69.2	58 - 96			
llpha-Chlordane [2C]	11.2318	1.0	16.6667		67.4	58 - 96			
beta-BHC	11.5533	1.0	16.6667		69.3	58 - 87			
beta-BHC [2C]	11.1882	1.0	16.6667		67.1	58 - 87			
lelta-BHC	12.0910	1.0	16.6667		72.5	18 - 75			
lelta-BHC [2C]	11.8670	1.0	16.6667		71.2	18 - 75			
Dieldrin	11.4915	2.0	16.6667		68.9	62 - 94			
Dieldrin [2C]	11.4405	2.0	16.6667		68.6	62 - 94			
Endosulfan I	11.1812	1.0	16.6667		67.1	58 - 90			
Endosulfan I [2C]	10.9843	1.0	16.6667		65.9	58 - 90			
Endosulfan II	10.6595	2.0	16.6667		64.0	63 - 95 62 - 05			
Endosulfan II [2C]	10.6990	2.0	16.6667		64.2	63 - 95			
Endosulfan sulfate	10.8063	2.0	16.6667		64.8	59 - 89			
Endosulfan Sulfate [2C]	10.3840	2.0	16.6667		62.3	59 - 89			
Endrin Endrin [20]	11.6363	2.0	16.6667 16.6667		69.8	64 - 96			
Endrin [2C]	11.6462	2.0			69.9	64 - 96 65 - 05			
Endrin aldehyde	11.4067	2.0	16.6667		68.4	65 - 95 65 - 05			
Endrin aldehyde [2C]	11.2775	2.0	16.6667		67.7	65 - 95			
Endrin ketone	11.1610	2.0	16.6667		67.0	59 - 101			
Endrin ketone [2C]	10.6868	2.0	16.6667		64.1	59 - 101			
gamma-BHC	12.3752	1.0	16.6667		74.3	63 - 89			
amma-BHC [2C]	12.2527	1.0	16.6667		73.5	63 - 89			



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0708 - GCSEMI_PCB/PES	T_S (continued)							
LCS (B6C0708-BS1) - Continued				Prepareo	d: 3/25/2016 A	Analyzed: 3/25	/2016		
gamma-Chlordane	11.2670	1.0	16.6667		67.6	61 - 95			
gamma-Chlordane [2C]	10.9723	1.0	16.6667		65.8	61 - 95			
Heptachlor	12.3202	1.0	16.6667		73.9	65 - 102			
Heptachlor [2C]	11.9953	1.0	16.6667		72.0	65 - 102			
Heptachlor epoxide	11.7993	1.0	16.6667		70.8	61 - 95			
Heptachlor epoxide [2C]	11.2775	1.0	16.6667		67.7	61 - 95			
Methoxychlor	10.7030	5.0	16.6667		64.2	29 - 128			
Methoxychlor [2C]	9.97500	5.0	16.6667		59.8	29 - 128			
Surrogate: Decachlorobiphenyl	10.37		16.6667		62.2	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	9.215		16.6667		55.3	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.16		16.6667		67.0	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.44		16.6667		68.7	16 - 105			
Matrix Spike (B6C0708-MS1)		Source: 1601	093-61	Prepareo	d: 3/25/2016 A	Analyzed: 3/25	/2016		
4,4′-DDD	11.6878	2.0	16.6667	ND	70.1	27 - 123			
4,4'-DDD [2C]	11.0842	2.0	16.6667	ND	66.5	27 - 123			
4,4′-DDE	11.6903	2.0	16.6667	ND	70.1	28 - 126			
4,4′-DDE [2C]	9.89583	2.0	16.6667	ND	59.4	28 - 126			
4,4′-DDT	12.6542	2.0	16.6667	ND	75.9	12 - 149			
4,4´-DDT [2C]	7.41117	2.0	16.6667	ND	44.5	12 - 149			
Aldrin	11.7930	1.0	16.6667	ND	70.8	29 - 116			
Aldrin [2C]	11.3057	1.0	16.6667	ND	67.8	29 - 116			
alpha-BHC	11.8882	1.0	16.6667	ND	71.3	27 - 104			
alpha-BHC [2C]	11.5578	1.0	16.6667	ND	69.3	27 - 104			
alpha-Chlordane	11.5540	1.0	16.6667	ND	69.3	14 - 130			
alpha-Chlordane [2C]	11.3708	1.0	16.6667	ND	68.2	14 - 130			
beta-BHC	11.5148	1.0	16.6667	ND	69.1	20 - 115			
beta-BHC [2C]	10.9667	1.0	16.6667	ND	65.8	20 - 115			
delta-BHC	12.0595	1.0	16.6667	ND	72.4	8 - 78			
delta-BHC [2C]	11.8987	1.0	16.6667	ND	71.4	8 - 78			
Dieldrin	11.5253	2.0	16.6667	ND	69.2	20 - 134			
Dieldrin [2C]	11.3103	2.0	16.6667	ND	67.9	20 - 134			
Endosulfan I	11.3890	1.0	16.6667	ND	68.3	27 - 114			
Endosulfan I [2C]	11.4597	1.0	16.6667	ND	68.8	27 - 114			
Endosulfan II	11.2728	2.0	16.6667	ND	67.6	16 - 125			
Endosulfan II [2C]	10.6677	2.0	16.6667	ND	64.0	16 - 125			
Endosulfan sulfate	10.8720	2.0	16.6667	ND	65.2	1 - 126			
Endosulfan Sulfate [2C]	10.6032	2.0	16.6667	ND	63.6	1 - 126			
Endrin	12.1593	2.0	16.6667	ND	73.0	33 - 122			
Endrin [2C]	11.7525	2.0	16.6667	ND	70.5	33 - 122			
Endrin aldehyde	8.74317	2.0	16.6667	ND	52.5	0 - 137			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0708 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0708-MS1) - Continued		Source: 160	1093-61	Prepared	1: 3/25/2016	Analyzed: 3/25/	/2016		
Endrin aldehyde [2C]	10.5377	2.0	16.6667	ND	63.2	0 - 137			
Endrin ketone	11.2653	2.0	16.6667	ND	67.6	10 - 126			
Endrin ketone [2C]	10.5860	2.0	16.6667	ND	63.5	10 - 126			
gamma-BHC	12.1612	1.0	16.6667	ND	73.0	30 - 111			
gamma-BHC [2C]	12.1352	1.0	16.6667	ND	72.8	30 - 111			
gamma-Chlordane	11.2898	1.0	16.6667	ND	67.7	16 - 130			
gamma-Chlordane [2C]	11.0995	1.0	16.6667	ND	66.6	16 - 130			
Heptachlor	12.2650	1.0	16.6667	ND	73.6	34 - 127			
Heptachlor [2C]	12.0140	1.0	16.6667	ND	72.1	34 - 127			
Heptachlor epoxide	11.7127	1.0	16.6667	ND	70.3	19 - 130			
Heptachlor epoxide [2C]	11.1797	1.0	16.6667	ND	67.1	19 - 130			
Methoxychlor	11.3252	5.0	16.6667	ND	68.0	16 - 153			
Methoxychlor [2C]	11.0620	5.0	16.6667	ND	66.4	16 - 153			
Surrogate: Decachlorobiphenyl	9.676		16.6667		58.1	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	9.645		16.6667		57.9	16 - 137			
Surrogate: Tetrachloro-m-xylene	10.64		16.6667		63.9	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.13		16.6667		66.8	16 - 105			
Matrix Spike Dup (B6C0708-MSD1)		Source: 160	1093-61	Prepared	l: 3/25/2016	Analyzed: 3/25/	/2016		
4,4′-DDD	11.7968	2.0	16.6667	ND	70.8	27 - 123	0.928	20	
4,4'-DDD [2C]	10.8650	2.0	16.6667	ND	65.2	27 - 123	2.00	20	
4,4′-DDE	11.6997	2.0	16.6667	ND	70.2	28 - 126	0.0799	20	
4,4'-DDE [2C]	9.83983	2.0	16.6667	ND	59.0	28 - 126	0.567	20	
4,4′-DDT	12.6953	2.0	16.6667	ND	76.2	12 - 149	0.325	20	
4,4´-DDT [2C]	7.33167	2.0	16.6667	ND	44.0	12 - 149	1.08	20	
Aldrin	11.8157	1.0	16.6667	ND	70.9	29 - 116	0.192	20	
Aldrin [2C]	11.3235	1.0	16.6667	ND	67.9	29 - 116	0.158	20	
alpha-BHC	11.8383	1.0	16.6667	ND	71.0	27 - 104	0.420	20	
alpha-BHC [2C]	11.5000	1.0	16.6667	ND	69.0	27 - 104	0.502	20	
alpha-Chlordane	11.5723	1.0	16.6667	ND	69.4	14 - 130	0.159	20	
alpha-Chlordane [2C]	11.3490	1.0	16.6667	ND	68.1	14 - 130	0.192	20	
beta-BHC	11.5205	1.0	16.6667	ND	69.1	20 - 115	0.0492	20	
beta-BHC [2C]	10.9277	1.0	16.6667	ND	65.6	20 - 115	0.356	20	
delta-BHC	12.1088	1.0	16.6667	ND	72.7	8 - 78	0.408	20	
delta-BHC [2C]	11.9225	1.0	16.6667	ND	71.5	8 - 78	0.200	20	
Dieldrin	11.4997	2.0	16.6667	ND	69.0	20 - 134	0.223	20	
Dieldrin [2C]	11.2937	2.0	16.6667	ND	67.8	20 - 134	0.147	20	
Endosulfan I	11.4010	1.0	16.6667	ND	68.4	27 - 114	0.105	20	
Endosulfan I [2C]	11.4358	1.0	16.6667	ND	68.6	27 - 114	0.208	20	
Endosulfan II	11.4637	2.0	16.6667	ND	68.8	16 - 125	1.68	20	
Endosulfan II [2C]	10.4437	2.0	16.6667	ND	62.7	16 - 125	2.12	20	



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0708 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0708-MSD1) - Co	ontinued	Source: 160	1093-61	Preparec	d: 3/25/2016	Analyzed: 3/25	/2016	
Endosulfan sulfate	10.9580	2.0	16.6667	ND	65.7	1 - 126	0.788	20
Endosulfan Sulfate [2C]	10.4602	2.0	16.6667	ND	62.8	1 - 126	1.36	20
Endrin	12.0893	2.0	16.6667	ND	72.5	33 - 122	0.577	20
Endrin [2C]	11.6977	2.0	16.6667	ND	70.2	33 - 122	0.468	20
Endrin aldehyde	8.79183	2.0	16.6667	ND	52.8	0 - 137	0.555	20
Endrin aldehyde [2C]	10.3945	2.0	16.6667	ND	62.4	0 - 137	1.37	20
Endrin ketone	11.7145	2.0	16.6667	ND	70.3	10 - 126	3.91	20
Endrin ketone [2C]	10.6220	2.0	16.6667	ND	63.7	10 - 126	0.339	20
gamma-BHC	12.1630	1.0	16.6667	ND	73.0	30 - 111	0.0150	20
gamma-BHC [2C]	12.0882	1.0	16.6667	ND	72.5	30 - 111	0.388	20
gamma-Chlordane	11.3145	1.0	16.6667	ND	67.9	16 - 130	0.218	20
gamma-Chlordane [2C]	11.0433	1.0	16.6667	ND	66.3	16 - 130	0.507	20
Heptachlor	12.2795	1.0	16.6667	ND	73.7	34 - 127	0.118	20
Heptachlor [2C]	11.9840	1.0	16.6667	ND	71.9	34 - 127	0.250	20
Heptachlor epoxide	11.7375	1.0	16.6667	ND	70.4	19 - 130	0.212	20
Heptachlor epoxide [2C]	11.1788	1.0	16.6667	ND	67.1	19 - 130	0.00752	20
Methoxychlor	11.2988	5.0	16.6667	ND	67.8	16 - 153	0.233	20
Methoxychlor [2C]	11.0313	5.0	16.6667	ND	66.2	16 - 153	0.278	20
Surrogate: Decachlorobiphenyl	10.24		16.6667		61.4	16 - 137		
Surrogate: Decachlorobiphenyl [2C]	9.520		16.6667		57.1	16 - 137		
Surrogate: Tetrachloro-m-xylene	10.53		16.6667		63.2	16 - 105		
Surrogate: Tetrachloro-m-xylene [2C]	11.23		16.6667		67.4	16 - 105		



	Certificate of Analysis
Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
17781 Cowan Street	Report To: Julie Harriman
Irvine , CA 92614	Reported : 03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0710 - GCSEMI_PCB/PEST_S									
Blank (B6C0710-BLK1)				Prepare	d: 3/25/2016 A	Analyzed: 3/25	/2016		
4,4′-DDD	ND	2.0			NR				
4,4'-DDD [2C]	ND	2.0			NR				
4,4'-DDE	ND	2.0			NR				
4,4´-DDE [2C]	ND	2.0			NR				
4,4´-DDT	ND	2.0			NR				
4,4´-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



	Certificate of Allary	515
Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0710 - GCSEMI_PCB/PES	T_S (continued)								
Blank (B6C0710-BLK1) - Continued				Prepareo	d: 3/25/2016	Analyzed: 3/25/	/2016		
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	12.83		16.6667		77.0	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	12.40		16.6667		74.4	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.77		16.6667		76.6	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	12.61		16.6667		75.7	16 - 105			
LCS (B6C0710-BS1)				Prepareo	d: 3/25/2016	Analyzed: 3/25/	/2016		
4,4′-DDD	14.0123	2.0	16.6667		84.1	58 - 100			
4,4′-DDD [2C]	13.9118	2.0	16.6667		83.5	58 - 100			
4,4′-DDE	12.7895	2.0	16.6667		76.7	65 - 99			
4,4´-DDE [2C]	13.2632	2.0	16.6667		79.6	65 - 99			
4,4´-DDT	12.8158	2.0	16.6667		76.9	39 - 116			
4,4´-DDT [2C]	12.5987	2.0	16.6667		75.6	39 - 116			
Aldrin	12.9030	1.0	16.6667		77.4	57 - 94			
Aldrin [2C]	12.9605	1.0	16.6667		77.8	57 - 94			
alpha-BHC	12.9342	1.0	16.6667		77.6	58 - 84			
alpha-BHC [2C]	12.8957	1.0	16.6667		77.4	58 - 84			
alpha-Chlordane	12.8160	1.0	16.6667		76.9	58 - 96			
alpha-Chlordane [2C]	12.8328	1.0	16.6667		77.0	58 - 96			
beta-BHC	12.5303	1.0	16.6667		75.2	58 - 87			
beta-BHC [2C]	12.2403	1.0	16.6667		73.4	58 - 87			
delta-BHC	13.5897	1.0	16.6667		81.5	18 - 75			L3
delta-BHC [2C]	13.3487	1.0	16.6667		80.1	18 - 75			L3
Dieldrin	13.0038	2.0	16.6667		78.0	62 - 94			
Dieldrin [2C]	13.2180	2.0	16.6667		79.3	62 - 94			
Endosulfan I	12.7542	1.0	16.6667		76.5	58 - 90			
Endosulfan I [2C]	12.7003	1.0	16.6667		76.2	58 - 90			
Endosulfan II	12.4712	2.0	16.6667		74.8	63 - 95			
Endosulfan II [2C]	12.5330	2.0	16.6667		75.2	63 - 95			
Endosulfan sulfate	14.3715	2.0	16.6667		86.2	59 - 89			
Endosulfan Sulfate [2C]	12.6635	2.0	16.6667		76.0	59 - 89			
Endrin	12.6460	2.0	16.6667		75.9	64 - 96			
Endrin [2C]	13.0085	2.0	16.6667		78.1	64 - 96			
Endrin aldehyde	14.3018	2.0	16.6667		85.8	65 - 95			
Endrin aldehyde [2C]	14.2222	2.0	16.6667		85.3	65 - 95			
Endrin ketone	14.0147	2.0	16.6667		84.1	59 - 101			
Endrin ketone [2C]	13.1022	2.0	16.6667		78.6	59 - 101			
gamma-BHC	13.3287	1.0	16.6667		80.0	63 - 89			
gamma-BHC [2C]	13.1967	1.0	16.6667		79.2	63 - 89			



Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
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Irvine , CA 92614	Reported :	03/29/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0710 - GCSEMI_PCB/PES	T_S (continued)							
LCS (B6C0710-BS1) - Continued				Prepareo	d: 3/25/2016 A	Analyzed: 3/25	/2016		
gamma-Chlordane	12.5748	1.0	16.6667		75.4	61 - 95			
gamma-Chlordane [2C]	12.7745	1.0	16.6667		76.6	61 - 95			
Heptachlor	13.7487	1.0	16.6667		82.5	65 - 102			
Heptachlor [2C]	12.8872	1.0	16.6667		77.3	65 - 102			
Heptachlor epoxide	12.9425	1.0	16.6667		77.7	61 - 95			
Heptachlor epoxide [2C]	12.6370	1.0	16.6667		75.8	61 - 95			
Methoxychlor	15.8795	5.0	16.6667		95.3	29 - 128			
Methoxychlor [2C]	14.2322	5.0	16.6667		85.4	29 - 128			
Surrogate: Decachlorobiphenyl	13.46		16.6667		80.8	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	12.09		16.6667		72.6	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.08		16.6667		72.5	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.94		16.6667		71.7	16 - 105			
Matrix Spike (B6C0710-MS1)		Source: 1601	093-84	Prepareo	d: 3/25/2016	Analyzed: 3/25	/2016		
4,4´-DDD	14.2598	2.0	16.6667	ND	85.6	27 - 123			
4,4'-DDD [2C]	15.2467	2.0	16.6667	ND	91.5	27 - 123			
4,4′-DDE	13.0243	2.0	16.6667	ND	78.1	28 - 126			
4,4´-DDE [2C]	13.6323	2.0	16.6667	ND	81.8	28 - 126			
4,4′-DDT	10.5363	2.0	16.6667	ND	63.2	12 - 149			
4,4′-DDT [2C]	13.7872	2.0	16.6667	ND	82.7	12 - 149			
Aldrin	12.4263	1.0	16.6667	ND	74.6	29 - 116			
Aldrin [2C]	13.4613	1.0	16.6667	ND	80.8	29 - 116			
alpha-BHC	12.6478	1.0	16.6667	ND	75.9	27 - 104			
alpha-BHC [2C]	13.5877	1.0	16.6667	ND	81.5	27 - 104			
alpha-Chlordane	13.0740	1.0	16.6667	ND	78.4	14 - 130			
alpha-Chlordane [2C]	13.2793	1.0	16.6667	ND	79.7	14 - 130			
beta-BHC	12.5112	1.0	16.6667	ND	75.1	20 - 115			
beta-BHC [2C]	13.0990	1.0	16.6667	ND	78.6	20 - 115			
delta-BHC	13.4025	1.0	16.6667	ND	80.4	8 - 78			M7
delta-BHC [2C]	14.0348	1.0	16.6667	ND	84.2	8 - 78			M7
Dieldrin	13.0550	2.0	16.6667	ND	78.3	20 - 134			
Dieldrin [2C]	13.8527	2.0	16.6667	ND	83.1	20 - 134			
Endosulfan I	12.2083	1.0	16.6667	ND	73.2	27 - 114			
Endosulfan I [2C]	12.8207	1.0	16.6667	ND	76.9	27 - 114			
Endosulfan II	12.6038	2.0	16.6667	ND	75.6	16 - 125			
Endosulfan II [2C]	13.2333	2.0	16.6667	ND	79.4	16 - 125			
Endosulfan sulfate	14.2598	2.0	16.6667	ND	85.6	1 - 126			
Endosulfan Sulfate [2C]	13.1367	2.0	16.6667	ND	78.8	1 - 126			
Endrin	13.0697	2.0	16.6667	ND	78.4	33 - 122			
Endrin [2C]	14.3478	2.0	16.6667	ND	86.1	33 - 122			
Endrin aldehyde	13.5873	2.0	16.6667	ND	81.5	0 - 137			



Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/29/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0710 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0710-MS1) - Continued		Source: 160	1093-84	Prepared	1: 3/25/2016	Analyzed: 3/25/	2016		
Endrin aldehyde [2C]	9.46050	2.0	16.6667	ND	56.8	0 - 137			
Endrin ketone	14.0132	2.0	16.6667	ND	84.1	10 - 126			
Endrin ketone [2C]	13.8242	2.0	16.6667	ND	82.9	10 - 126			
gamma-BHC	13.2798	1.0	16.6667	ND	79.7	30 - 111			
gamma-BHC [2C]	13.9928	1.0	16.6667	ND	84.0	30 - 111			
gamma-Chlordane	12.5992	1.0	16.6667	ND	75.6	16 - 130			
gamma-Chlordane [2C]	13.3037	1.0	16.6667	ND	79.8	16 - 130			
Heptachlor	13.6858	1.0	16.6667	ND	82.1	34 - 127			
Heptachlor [2C]	13.5740	1.0	16.6667	ND	81.4	34 - 127			
Heptachlor epoxide	12.8520	1.0	16.6667	ND	77.1	19 - 130			
Heptachlor epoxide [2C]	13.0418	1.0	16.6667	ND	78.3	19 - 130			
Methoxychlor	17.6462	5.0	16.6667	ND	106	16 - 153			
Methoxychlor [2C]	15.7908	5.0	16.6667	ND	94.7	16 - 153			
Surrogate: Decachlorobiphenyl	12.28		16.6667		73.7	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.24		16.6667		79.4	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.48		16.6667		68.9	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	12.18		16.6667		73.1	16 - 105			
Matrix Spike Dup (B6C0710-MSD1)		Source: 160	1093-84	Prepared	1: 3/25/2016	Analyzed: 3/25/	2016		
4,4′-DDD	14.0835	2.0	16.6667	ND	84.5	27 - 123	1.24	20	
4,4'-DDD [2C]	15.3943	2.0	16.6667	ND	92.4	27 - 123	0.964	20	
4,4′-DDE	12.8292	2.0	16.6667	ND	77.0	28 - 126	1.51	20	
4,4'-DDE [2C]	13.8008	2.0	16.6667	ND	82.8	28 - 126	1.23	20	
4,4′-DDT	10.1887	2.0	16.6667	ND	61.1	12 - 149	3.35	20	
4,4'-DDT [2C]	13.7598	2.0	16.6667	ND	82.6	12 - 149	0.198	20	
Aldrin	12.1547	1.0	16.6667	ND	72.9	29 - 116	2.21	20	
Aldrin [2C]	13.1972	1.0	16.6667	ND	79.2	29 - 116	1.98	20	
alpha-BHC	12.3890	1.0	16.6667	ND	74.3	27 - 104	2.07	20	
alpha-BHC [2C]	13.2657	1.0	16.6667	ND	79.6	27 - 104	2.40	20	
alpha-Chlordane	12.8833	1.0	16.6667	ND	77.3	14 - 130	1.47	20	
alpha-Chlordane [2C]	13.2257	1.0	16.6667	ND	79.4	14 - 130	0.405	20	
beta-BHC	12.3197	1.0	16.6667	ND	73.9	20 - 115	1.54	20	
beta-BHC [2C]	12.9422	1.0	16.6667	ND	77.7	20 - 115	1.20	20	
delta-BHC	13.1787	1.0	16.6667	ND	79.1	8 - 78	1.68	20	M7
delta-BHC [2C]	13.7947	1.0	16.6667	ND	82.8	8 - 78	1.73	20	M7
Dieldrin	12.7895	2.0	16.6667	ND	76.7	20 - 134	2.05	20	
Dieldrin [2C]	13.9672	2.0	16.6667	ND	83.8	20 - 134	0.823	20	
Endosulfan I	11.9802	1.0	16.6667	ND	71.9	27 - 114	1.89	20	
Endosulfan I [2C]	12.9082	1.0	16.6667	ND	77.4	27 - 114	0.680	20	
Endosulfan II	12.4600	2.0	16.6667	ND	74.8	16 - 125	1.15	20	
Endosulfan II [2C]	13.1880	2.0	16.6667	ND	79.1	16 - 125	0.343	20	



Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/29/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0710 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0710-MSD1) - Co	ntinued	Source: 160	1093-84	Preparec	1: 3/25/2016	Analyzed: 3/25/	2016	
Endosulfan sulfate	13.9478	2.0	16.6667	ND	83.7	1 - 126	2.21	20
Endosulfan Sulfate [2C]	13.1538	2.0	16.6667	ND	78.9	1 - 126	0.131	20
Endrin	12.8835	2.0	16.6667	ND	77.3	33 - 122	1.43	20
Endrin [2C]	14.4273	2.0	16.6667	ND	86.6	33 - 122	0.553	20
Endrin aldehyde	13.3237	2.0	16.6667	ND	79.9	0 - 137	1.96	20
Endrin aldehyde [2C]	9.44767	2.0	16.6667	ND	56.7	0 - 137	0.136	20
Endrin ketone	13.7438	2.0	16.6667	ND	82.5	10 - 126	1.94	20
Endrin ketone [2C]	13.7970	2.0	16.6667	ND	82.8	10 - 126	0.197	20
gamma-BHC	13.0230	1.0	16.6667	ND	78.1	30 - 111	1.95	20
gamma-BHC [2C]	13.7372	1.0	16.6667	ND	82.4	30 - 111	1.84	20
gamma-Chlordane	12.3795	1.0	16.6667	ND	74.3	16 - 130	1.76	20
gamma-Chlordane [2C]	13.2210	1.0	16.6667	ND	79.3	16 - 130	0.623	20
Heptachlor	13.3993	1.0	16.6667	ND	80.4	34 - 127	2.12	20
Heptachlor [2C]	13.3538	1.0	16.6667	ND	80.1	34 - 127	1.64	20
Heptachlor epoxide	12.6292	1.0	16.6667	ND	75.8	19 - 130	1.75	20
Heptachlor epoxide [2C]	13.0795	1.0	16.6667	ND	78.5	19 - 130	0.288	20
Methoxychlor	17.3750	5.0	16.6667	ND	104	16 - 153	1.55	20
Methoxychlor [2C]	15.8688	5.0	16.6667	ND	95.2	16 - 153	0.493	20
Surrogate: Decachlorobiphenyl	12.06		16.6667		72.4	16 - 137		
Surrogate: Decachlorobiphenyl [2C]	12.67		16.6667		76.0	16 - 137		
Surrogate: Tetrachloro-m-xylene	11.18		16.6667		67.1	16 - 105		
Surrogate: Tetrachloro-m-xylene [2C]	11.92		16.6667		71.5	16 - 105		



Leighton Consulting, Inc.	Project Number : 0	Colfax ES, 603378.005
17781 Cowan Street	Report To : J	Julie Harriman
Irvine , CA 92614	Reported : (03/29/2016

Polychlorinated Biphenyls by EPA 8082 - Quality Control

[Dagult	DOI	Smilto	Source		% Rec		RPD	
A	Result	PQL	Spike	Source	0/ D		DDD		Nata
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0739 - GCSEMI_PCB/PES	ST_S								
Blank (B6C0739-BLK1)				Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	12.54		16.6667		75.3	24 - 135			
Surrogate: Tetrachloro-m-xylene	11.66		16.6667		70.0	29 - 105			
LCS (B6C0739-BS1)				Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	127.633	16	166.667		76.6	68 - 94			
Aroclor 1260	144.489	16	166.667		86.7	68 - 98			
Surrogate: Decachlorobiphenyl	12.46		16.6667		74.7	24 - 135			
Surrogate: Tetrachloro-m-xylene	11.13		16.6667		66.8	29 - 105			
Matrix Spike (B6C0739-MS1)		Source: 1601	081-11	Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	118.237	16	166.667	ND	70.9	39 - 127			
Aroclor 1260	130.968	16	166.667	ND	78.6	46 - 127			
Surrogate: Decachlorobiphenyl	11.43		16.6667		68.6	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.62		16.6667		63.7	29 - 105			
Matrix Spike Dup (B6C0739-MSD1)		Source: 1601	081-11	Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	120.606	16	166.667	ND	72.4	39 - 127	1.98	20	
Aroclor 1260	129.134	16	166.667	ND	77.5	46 - 127	1.41	20	
Surrogate: Decachlorobiphenyl	11.32		16.6667		67.9	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.58		16.6667		63.5	29 - 105			



Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/29/2016

Notes and Definitions

- M7 Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- D1 Sample required dilution due to possible matrix interference.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)
- TX1 TX-NELAP (TCEQ)

Notes:

(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.

(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

(3) Results are wet unless otherwise specified.

				TECHNOLOGY	λŰ	CHAII	Ζ	OF CUSTODY RECORD	TODY	RECC	DRD	Method of Transport		2	IĕF	ATLCOC on Receipt	6 F
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June 08, 2016

Julie Harriman Leighton Consulting, Inc. 17781 Cowan Street Irvine, CA 92614 Tel: (949) 250-1421 Fax:(949) 757-7230

ELAP No.: 1838 CSDLAC No.: 10196 ORELAP No.: CA300003 TCEQ No. : T104704502

Re: ATL Work Order Number : 1601093 Client Reference : Colfax ES, 603378.005

Enclosed are the results for sample(s) received on March 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040 www.atlglobal.com



Leighton Consulting, Inc.

17781 Cowan Street

Irvine, CA 92614

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 06/08/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB3-6-0.5-D	1601093-17	Soil	3/21/16 13:29	3/22/16 14:30
FB1-4-0.5	1601093-30	Soil	3/21/16 9:36	3/22/16 14:30
FB2-3-0.5	1601093-53	Soil	3/21/16 8:53	3/22/16 14:30
FB4-2-0.5	1601093-83	Soil	3/21/16 14:46	3/22/16 14:30



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

Client Sample ID EB3-6-0.5-D Lab ID: 1601093-17

Polychlorinated Biphenyls by EPA 8082

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1221	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1232	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1242	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1248	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1254	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1260	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1262	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Aroclor 1268	ND	16	1	B6F0058	06/02/2016	06/02/16 17:06	H1
Surrogate: Decachlorobiphenyl	97.5 %	24 - 135		B6F0058	06/02/2016	06/02/16 17:06	
Surrogate: Tetrachloro-m-xylene	57.8 %	29 - 105		B6F0058	06/02/2016	06/02/16 17:06	



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

Client Sample ID FB1-4-0.5 Lab ID: 1601093-30

Polychlorinated Biphenyls by H	EPA 8082						Analyst: RL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1221	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1232	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1242	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1248	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1254	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1260	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1262	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Aroclor 1268	ND	16	1	B6F0058	06/02/2016	06/02/16 17:26	H1
Surrogate: Decachlorobiphenyl	95.0 %	24 - 135		B6F0058	06/02/2016	06/02/16 17:26	
Surrogate: Tetrachloro-m-xylene	69.9 %	29 - 105		B6F0058	06/02/2016	06/02/16 17:26	



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

Client Sample ID FB2-3-0.5 Lab ID: 1601093-53

Polychlorinated Biphenyls by E	CPA 8082						Analyst: CL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1221	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1232	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1242	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1248	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1254	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1260	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1262	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Aroclor 1268	ND	16	1	B6C0739	03/26/2016	03/28/16 16:15	
Surrogate: Decachlorobiphenyl	74.7 %	24 - 135		B6C0739	03/26/2016	03/28/16 16:15	
Surrogate: Tetrachloro-m-xylene	67.4 %	29 - 105		B6C0739	03/26/2016	03/28/16 16:15	



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

Client Sample ID FB4-2-0.5 Lab ID: 1601093-83

Polychlorinated Biphenyls by E	CPA 8082						Analyst: CL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1221	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1232	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1242	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1248	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1254	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1260	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1262	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Aroclor 1268	ND	16	1	B6C0739	03/26/2016	03/28/16 16:34	
Surrogate: Decachlorobiphenyl	82.0 %	24 - 135		B6C0739	03/26/2016	03/28/16 16:34	
Surrogate: Tetrachloro-m-xylene	72.5 %	29 - 105		B6C0739	03/26/2016	03/28/16 16:34	



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614

Certificate of Analysis

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 06/08/2016

QUALITY CONTROL SECTION

Polychlorinated Biphenyls by EPA 8082 - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0739 - GCSEMI_PCB/PES	T_S								
Blank (B6C0739-BLK1)				Preparec	d: 3/26/2016	Analyzed: 3/28/	/2016		
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	12.54		16.6667		75.3	24 - 135			
Surrogate: Tetrachloro-m-xylene	11.66		16.6667		70.0	29 - 105			
LCS (B6C0739-BS1)				Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	127.633	16	166.667		76.6	68 - 94			
Aroclor 1260	144.489	16	166.667		86.7	68 - 98			
Surrogate: Decachlorobiphenyl	12.46		16.6667		74.7	24 - 135			
Surrogate: Tetrachloro-m-xylene	11.13		16.6667		66.8	29 - 105			
Matrix Spike (B6C0739-MS1)		Source: 1601	081-11	Preparec	d: 3/26/2016	Analyzed: 3/28/	/2016		
Aroclor 1016	118.237	16	166.667	ND	70.9	39 - 127			
Aroclor 1260	130.968	16	166.667	ND	78.6	46 - 127			
Surrogate: Decachlorobiphenyl	11.43		16.6667		68.6	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.62		16.6667		63.7	29 - 105			
Matrix Spike Dup (B6C0739-MSD1)		Source: 1601	081-11	Preparec	d: 3/26/2016	Analyzed: 3/28/	/2016		
Aroclor 1016	120.606	16	166.667	ND	72.4	39 - 127	1.98	20	
Aroclor 1260	129.134	16	166.667	ND	77.5	46 - 127	1.41	20	
Surrogate: Decachlorobiphenyl	11.32		16.6667		67.9	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.58		16.6667		63.5	29 - 105			



Leighton Consulting, Inc.	Project Number: Colfax ES, 603378.005	
17781 Cowan Street	Report To: Julie Harriman	
Irvine , CA 92614	Reported : 06/08/2016	

Polychlorinated Biphenyls by EPA 8082 - Quality Control

[D 1	DOL	<i>a</i> "			0 (P			
	Result	PQL	Spike	Source	0 (P	% Rec		RPD	NT .
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6F0058 - GCSEMI_PCB/PES	T_S								
Blank (B6F0058-BLK1)				Preparec	d: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	17.55		16.6667		105	24 - 135			
Surrogate: Tetrachloro-m-xylene	13.95		16.6667		83.7	29 - 105			
LCS (B6F0058-BS1)				Preparec	d: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	148.508	16	166.667		89.1	68 - 94			
Aroclor 1260	154.126	16	166.667		92.5	68 - 98			
Surrogate: Decachlorobiphenyl	16.89		16.6667		101	24 - 135			
Surrogate: Tetrachloro-m-xylene	13.42		16.6667		80.5	29 - 105			
Matrix Spike (B6F0058-MS1)		Source: 1601	093-17	Preparec	d: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	128.457	16	166.667	ND	77.1	39 - 127			
Aroclor 1260	142.079	16	166.667	ND	85.2	46 - 127			
Surrogate: Decachlorobiphenyl	16.28		16.6667		97.7	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.63		16.6667		63.8	29 - 105			
Matrix Spike Dup (B6F0058-MSD1)		Source: 1601	093-17	Preparec	d: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	127.314	16	166.667	ND	76.4	39 - 127	0.894	20	
Aroclor 1260	139.352	16	166.667	ND	83.6	46 - 127	1.94	20	
Surrogate: Decachlorobiphenyl	16.19		16.6667		97.1	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.52		16.6667		63.1	29 - 105			



Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005	
17781 Cowan Street	Report To: Julie Harriman	
Irvine , CA 92614	Reported : 06/08/2016	

Notes and Definitions

H1 Sample was received past holding time.

- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)
- TX1 TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

		ADVANCED		TECHNOLOGY	At	CHAII	Ζ	OF CUSTODY RECORD	ΓODΥ	RECC	RD	Method of Transport		2	ĕ ⊨	ATLCOC Vel eceipt	61 F
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W 8 3 J F		TAT = 2 : 56 TAT = 3 : 30 TAT = 4 : 20 TAT = 5 : NC	3% Surcharge 2ND BU % Surcharge 3RD BU % Surcharge 4TH BUS 5 SURCHARGE 5th BL 5 SURCHARGE 5th BL	TAT = 2:50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM) TAT = 3:50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM) TAT = 4:20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM) TAT = 4:20% SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)	- liquid & somplex: Complimentary Storage for forty-in ve (43), Calendar days from receipt of samplex; 5x/5ample/month if extended storage or hold is requested. - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples, 520/ sample/week if extended storage is requested.	y storage for forty-flive or ten (10) calendar da	 (45) Catendar days from receipt of ys from receipt of samples; \$20/ sai 	samples; >2/sample/month if mple/week if extended storage		hereby guarantee payment as quoted	loted,		
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ADVANCED JAD A T O R I E S L A B O R A T O R I E S 3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040 Tel: (562) 989-4045 • Fax: (562) 989-4045 • Fax: (562) 989-4040 Tel: (562) 989-4045 • Fax: (572) 555 • Fax: (562) 989-4045 • Fax: (572) 555 • Fax: (562) 989-4045 • Fax: (572) 555 • Fa	VD REPORT TO:	CHAIN Inst Inst Inst Inst Inst	Contraction Contraction	Method of Transport Method	Reduction Solution Solution	Image: Conditions Upon Receiv Sample Conditions Introver. 2013U15 Image: Conditions Sample Conditions Introver. 2013U15 Image: Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 Image: Sample Conditions Introver. 2013U15 </th
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March 30, 2016

Julie Harriman Leighton Consulting, Inc. 17781 Cowan Street Irvine, CA 92614 Tel: (949) 250-1421 Fax:(949) 757-7230

ELAP No.: 1838 CSDLAC No.: 10196 ORELAP No.: CA300003 TCEQ No. : T104704502

Re: ATL Work Order Number : 1601094 Client Reference : Colfax ES, 603378.005

Enclosed are the results for sample(s) received on March 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040 www.atlglobal.com



Leighton Consulting, Inc.

17781 Cowan Street

Irvine, CA 92614

Project Number: Colfax ES, 603378.005 Report To: Julie Harriman

Reported : 03/30/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EQB-3-22-2016	1601094-01	Water	3/22/16 7:15	3/22/16 14:40
FB9-2-0.5	1601094-02	Soil	3/22/16 7:35	3/22/16 14:40
FB9-2-1.5	1601094-03	Soil	3/22/16 7:39	3/22/16 14:40
FB9-1-0.5	1601094-05	Soil	3/22/16 7:45	3/22/16 14:40
FB9-1-1.5	1601094-06	Soil	3/22/16 7:46	3/22/16 14:40
FB9-4-0.5	1601094-08	Soil	3/22/16 7:57	3/22/16 14:40
FB9-4-0.5-D	1601094-09	Soil	3/22/16 7:57	3/22/16 14:40
FB9-4-1.5	1601094-10	Soil	3/22/16 7:59	3/22/16 14:40
FB5-4-0.5	1601094-12	Soil	3/22/16 8:24	3/22/16 14:40
FB5-4-1.5	1601094-13	Soil	3/22/16 8:26	3/22/16 14:40
FB5-3-0.5	1601094-15	Soil	3/22/16 8:38	3/22/16 14:40
FB5-3-1.5	1601094-16	Soil	3/22/16 8:45	3/22/16 14:40
FB5-5-0.5	1601094-18	Soil	3/22/16 9:06	3/22/16 14:40
FB5-5-1.5	1601094-19	Soil	3/22/16 9:09	3/22/16 14:40
FB5-2-0.5	1601094-21	Soil	3/22/16 9:22	3/22/16 14:40
FB5-2-1.5	1601094-22	Soil	3/22/16 9:24	3/22/16 14:40
FB5-2-1.5-D	1601094-23	Soil	3/22/16 9:24	3/22/16 14:40
FB5-1-0.5	1601094-25	Soil	3/22/16 9:37	3/22/16 14:40
FB5-1-0.5-D	1601094-26	Soil	3/22/16 9:37	3/22/16 14:40
FB5-1-1.5	1601094-27	Soil	3/22/16 9:42	3/22/16 14:40
FB5-6-0.5	1601094-29	Soil	3/22/16 9:54	3/22/16 14:40
FB5-6-1.5	1601094-30	Soil	3/22/16 10:06	3/22/16 14:40
FB6-5-0.5	1601094-32	Soil	3/22/16 9:34	3/22/16 14:40
FB6-5-1.5	1601094-33	Soil	3/22/16 9:36	3/22/16 14:40
FB6-5-1.5-D	1601094-34	Soil	3/22/16 9:36	3/22/16 14:40
FB6-6-0.5	1601094-36	Soil	3/22/16 9:22	3/22/16 14:40
FB6-6-1.5	1601094-37	Soil	3/22/16 9:24	3/22/16 14:40
FB6-7-0.5	1601094-40	Soil	3/22/16 9:44	3/22/16 14:40
FB6-7-1.5	1601094-41	Soil	3/22/16 9:45	3/22/16 14:40
FB6-8-0.5	1601094-44	Soil	3/22/16 9:57	3/22/16 14:40
FB6-8-1.5	1601094-45	Soil	3/22/16 9:58	3/22/16 14:40
FB6-4-0.5	1601094-47	Soil	3/22/16 10:15	3/22/16 14:40
FB6-4-1.5	1601094-48	Soil	3/22/16 10:20	3/22/16 14:40
FB6-3-0.5	1601094-50	Soil	3/22/16 10:49	3/22/16 14:40
FB6-3-1.5	1601094-51	Soil	3/22/16 10:52	3/22/16 14:40
FB6-3-1.5-D	1601094-52	Soil	3/22/16 10:52	3/22/16 14:40
FB6-2-0.5	1601094-54	Soil	3/22/16 11:01	3/22/16 14:40



Leighton Consulting, Inc.	I	Project Number : Col	fax ES, 603378.005	
17781 Cowan Street		Report To : Juli		
Irvine , CA 92614		Reported : 03/2		
FB6-2-1.5	1601094-55	Soil	3/22/16 11:05	3/22/16 14:40
FB6-1-0.5	1601094-57	Soil	3/22/16 11:12	3/22/16 14:40
FB6-1-0.5-D	1601094-58	Soil	3/22/16 11:12	3/22/16 14:40
FB6-1-1.5	1601094-59	Soil	3/22/16 11:16	3/22/16 14:40
FB7-1-0.5	1601094-61	Soil	3/22/16 10:10	3/22/16 14:40
FB7-1-1.5	1601094-62	Soil	3/22/16 10:11	3/22/16 14:40
FB7-6-0.5	1601094-64	Soil	3/22/16 11:28	3/22/16 14:40
FB7-6-0.5-D	1601094-65	Soil	3/22/16 11:28	3/22/16 14:40
FB7-6-1.5	1601094-66	Soil	3/22/16 11:32	3/22/16 14:40
FB7-2-0.5	1601094-68	Soil	3/22/16 10:41	3/22/16 14:40
FB7-2-1.5	1601094-69	Soil	3/22/16 10:43	3/22/16 14:40
FB7-5-0.5	1601094-71	Soil	3/22/16 11:39	3/22/16 14:40
FB7-5-1.5	1601094-72	Soil	3/22/16 11:44	3/22/16 14:40
FB7-3-0.5	1601094-74	Soil	3/22/16 10:53	3/22/16 14:40
FB7-3-0.5-D	1601094-75	Soil	3/22/16 10:53	3/22/16 14:40
FB7-3-1.5	1601094-76	Soil	3/22/16 10:55	3/22/16 14:40
FB7-4-0.5	1601094-78	Soil	3/22/16 11:02	3/22/16 14:40
FB7-4-1.5	1601094-79	Soil	3/22/16 11:03	3/22/16 14:40
EB1-2-0.5	1601094-82	Soil	3/22/16 12:05	3/22/16 14:40
EB1-2-1.5	1601094-83	Soil	3/22/16 12:08	3/22/16 14:40
EB1-2-1.5-D	1601094-84	Soil	3/22/16 12:08	3/22/16 14:40
EB2-2-0.5	1601094-86	Soil	3/22/16 11:54	3/22/16 14:40
EB2-2-1.5	1601094-87	Soil	3/22/16 11:57	3/22/16 14:40
WC-Soil	1601094-89	Soil	3/22/16 14:30	3/22/16 14:40
WC-Liquid	1601094-90	Water	3/22/16 14:31	3/22/16 14:40



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EQB-3-22-2016 Lab ID: 1601094-01

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	0.010	1	B6C0668	03/24/2016	03/25/16 13:39	
Lead	ND	0.0050	1	B6C0668	03/24/2016	03/25/16 13:39	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
4,4´-DDE	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
4,4´-DDT	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
Aldrin	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
alpha-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
alpha-Chlordane	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
beta-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
Chlordane	ND	0.25	1	B6C0728	03/25/2016	03/29/16 10:44	
delta-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
Dieldrin	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
Endosulfan I	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
Endosulfan II	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
Endosulfan sulfate	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
Endrin	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
Endrin aldehyde	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
Endrin ketone	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:44	
gamma-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
gamma-Chlordane	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
Heptachlor	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
Heptachlor epoxide	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:44	
Methoxychlor	ND	0.25	1	B6C0728	03/25/2016	03/29/16 10:44	
Toxaphene	ND	2.5	1	B6C0728	03/25/2016	03/29/16 10:44	
Surrogate: Decachlorobiphenyl	67.8 %	7 - 127		B6C0728	03/25/2016	03/29/16 10:44	
Surrogate: Tetrachloro-m-xylene	75.6 %	14 - 122		B6C0728	03/25/2016	03/29/16 10:44	

Analyst: RR

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EQB-3-22-2016 Lab ID: 1601094-01

Polychlorinated Biphenyls by E	EPA 8082						Analyst: CL
Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1221	ND	1.0	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1232	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1242	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1248	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1254	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1260	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1262	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Aroclor 1268	ND	0.50	1	B6C0728	03/25/2016	03/28/16 13:20	
Surrogate: Decachlorobiphenyl	59.3 %	7 - 127		B6C0728	03/25/2016	03/28/16 13:20	
Surrogate: Tetrachloro-m-xylene	71.8 %	14 - 122		B6C0728	03/25/2016	03/28/16 13:20	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-2-0.5 Lab ID: 1601094-02

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:22	
Lead	4.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:22	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
4,4'-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
alpha-Chlordane [2C]	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Chlordane [2C]	ND	8.5	1	B6C0725	03/27/2016	03/29/16 08:53	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Dieldrin [2C]	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 08:53	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
gamma-Chlordane [2C]	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 08:53	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 08:53	
Surrogate: Decachlorobiphenyl	63.0 %	16 - 137		B6C0725	03/27/2016	03/29/16 08:53	
Surrogate: Tetrachloro-m-xylene	56.8 %	16 - 105		B6C0725	03/27/2016	03/29/16 08:53	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-2-1.5 Lab ID: 1601094-03

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:27	
Lead	3.2	1.0	1	B6C0686	03/25/2016	03/25/16 18:27	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
·	ND		1	B6C0725	03/27/2016	03/29/16 09:04	
4,4'-DDE [2C]	ND	2.0 2.0	1	В6С0725	03/27/2016	03/29/16 09:04	
4,4'-DDT	ND		1				
Aldrin		1.0	•	B6C0725	03/27/2016	03/29/16 09:04	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 09:04	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:04	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 09:04	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 09:04	
Surrogate: Decachlorobiphenyl	63.2 %	16 - 137		B6C0725	03/27/2016	03/29/16 09:04	
Surrogate: Tetrachloro-m-xylene	55.6 %	16 - 105		B6C0725	03/27/2016	03/29/16 09:04	



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Project Number: Colfax ES, 603378.005

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Reported : 03/30/2016

Client Sample ID FB9-1-0.5 Lab ID: 1601094-05

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0686	03/25/2016	03/25/16 18:29	
Lead	6.0	1.0	1	B6C0686	03/25/2016	03/25/16 18:29	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg) (ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Anaryzed	Notes
4,4´-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
4,4´-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 09:14	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:14	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 09:14	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 09:14	
Surrogate: Decachlorobiphenyl	61.9 %	16 - 137		B6C0725	03/27/2016	03/29/16 09:14	
Surrogate: Tetrachloro-m-xylene	53.9 %	16 - 105		B6C0725	03/27/2016	03/29/16 09:14	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-1-1.5 Lab ID: 1601094-06

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0686	03/25/2016	03/25/16 18:30	
Lead	2.4	1.0	1	B6C0686	03/25/2016	03/25/16 18:30	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
4,4´-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 09:25	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:25	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 09:25	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 09:25	
Surrogate: Decachlorobiphenyl	74.4 %	16 - 137		B6C0725	03/27/2016	03/29/16 09:25	
Surrogate: Tetrachloro-m-xylene	75.0 %	16 - 105		B6C0725	03/27/2016	03/29/16 09:25	

Analyst: RR

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-4-0.5 Lab ID: 1601094-08

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.3	1.0	1	B6C0686	03/25/2016	03/25/16 18:32	
Lead	3.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:32	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
4,4´-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 09:35	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:35	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 09:35	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 09:35	
Surrogate: Decachlorobiphenyl	59.8 %	16 - 137		B6C0725	03/27/2016	03/29/16 09:35	
Surrogate: Tetrachloro-m-xylene	56.5 %	16 - 105		B6C0725	03/27/2016	03/29/16 09:35	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-4-0.5 Lab ID: 1601094-08

Polychlorinated Biphenyls by EPA 8082

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1221	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1232	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1242	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1248	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1254	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1260	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1262	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Aroclor 1268	ND	16	1	B6C0739	03/26/2016	03/28/16 16:53	
Surrogate: Decachlorobiphenyl	82.0 %	24 - 135		B6C0739	03/26/2016	03/28/16 16:53	
Surrogate: Tetrachloro-m-xylene	73.6 %	29 - 105		B6C0739	03/26/2016	03/28/16 16:53	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-4-0.5-D Lab ID: 1601094-09

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0686	03/25/2016	03/25/16 18:34	
Lead	4.5	1.0	1	B6C0686	03/25/2016	03/25/16 18:34	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
4,4´-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
4,4′-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 09:46	
lelta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:46	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 09:46	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 09:46	
Surrogate: Decachlorobiphenyl	60.8 %	16 - 137		B6C0725	03/27/2016	03/29/16 09:46	
Surrogate: Tetrachloro-m-xylene	60.5 %	16 - 105		B6C0725	03/27/2016	03/29/16 09:46	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB9-4-1.5 Lab ID: 1601094-10

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0686	03/25/2016	03/25/16 18:40	
Lead	2.1	1.0	1	B6C0686	03/25/2016	03/25/16 18:40	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
7 mary te	(ug/kg)	(ug/kg)	Dilution	Daten	Tiepareu	7 mary 200	110tes
4,4′-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
4,4´-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 09:56	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 09:56	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 09:56	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 09:56	
Surrogate: Decachlorobiphenyl	75.7 %	16 - 137		B6C0725	03/27/2016	03/29/16 09:56	
Surrogate: Tetrachloro-m-xylene	66.9 %	16 - 105		B6C0725	03/27/2016	03/29/16 09:56	

Analyst: CL



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Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB5-4-0.5 Lab ID: 1601094-12

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:42	
Lead	21	1.0	1	B6C0686	03/25/2016	03/25/16 18:42	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
4.4´-DDE	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
4,4′-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
alpha-Chlordane [2C]	5.4	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Chlordane	50	42	5	B6C0725	03/27/2016	03/29/16 10:07	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Dieldrin [2C]	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 10:07	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
gamma-Chlordane [2C]	6.1	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 10:07	D1
Surrogate: Decachlorobiphenyl	32.9 %	16 - 137		B6C0725	03/27/2016	03/29/16 10:07	D1
Surrogate: Tetrachloro-m-xylene	30.7 %	16 - 105		B6C0725	03/27/2016	03/29/16 10:07	D1



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Reported : 03/30/2016

Client Sample ID FB5-4-1.5 Lab ID: 1601094-13

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:44	
Lead	2.7	1.0	1	B6C0686	03/25/2016	03/25/16 18:44	

Organochlorine Pesticides by EPA 8081

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Austra	Result	PQL	Dilution	D-t-h	Duranad	Date/Time	Netes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
4,4′-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 10:17	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:17	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 10:17	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 10:17	
Surrogate: Decachlorobiphenyl	68.9 %	16 - 137		B6C0725	03/27/2016	03/29/16 10:17	
Surrogate: Tetrachloro-m-xylene	69.7 %	16 - 105		B6C0725	03/27/2016	03/29/16 10:17	



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Reported : 03/30/2016

Client Sample ID FB5-3-0.5 Lab ID: 1601094-15

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.3	1.0	1	B6C0686	03/25/2016	03/25/16 18:46	
Lead	20	1.0	1	B6C0686	03/25/2016	03/25/16 18:46	

Organochlorine Pesticides by EPA 8081

Analyta	Result	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Datch	Plepaled	Allalyzed	Inotes
4,4′-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
4,4´-DDE	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
4,4′-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
alpha-Chlordane [2C]	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Chlordane [2C]	ND	42	5	B6C0725	03/27/2016	03/29/16 10:27	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Dieldrin [2C]	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 10:27	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 10:27	D1
Surrogate: Decachlorobiphenyl	30.0 %	16 - 137		B6C0725	03/27/2016	03/29/16 10:27	D1
Surrogate: Tetrachloro-m-xylene	27.0 %	16 - 105		B6C0725	03/27/2016	03/29/16 10:27	D1



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Project Number: Colfax ES, 603378.005

Analyst: RR

Analyst: CL

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB5-3-1.5 Lab ID: 1601094-16

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.9	1.0	1	B6C0686	03/25/2016	03/25/16 18:48	
Lead	2.6	1.0	1	B6C0686	03/25/2016	03/25/16 18:48	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
4,4′-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
4,4′-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 10:38	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:38	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 10:38	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 10:38	
Surrogate: Decachlorobiphenyl	62.8 %	16 - 137		B6C0725	03/27/2016	03/29/16 10:38	
Surrogate: Tetrachloro-m-xylene	56.8 %	16 - 105		B6C0725	03/27/2016	03/29/16 10:38	



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Project Number: Colfax ES, 603378.005

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Reported : 03/30/2016

Client Sample ID FB5-5-0.5 Lab ID: 1601094-18

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.9	1.0	1	B6C0686	03/25/2016	03/25/16 18:50	
Lead	18	1.0	1	B6C0686	03/25/2016	03/25/16 18:50	

Organochlorine Pesticides by EPA 8081

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Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Plepaleu	Analyzeu	Notes
4,4′-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
4,4′-DDE	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
4,4´-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
alpha-Chlordane	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Chlordane	ND	42	5	B6C0725	03/27/2016	03/29/16 10:48	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Dieldrin	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 10:48	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 10:48	D1
Surrogate: Decachlorobiphenyl	29.5 %	16 - 137		B6C0725	03/27/2016	03/29/16 10:48	D1
Surrogate: Tetrachloro-m-xylene	24.7 %	16 - 105		B6C0725	03/27/2016	03/29/16 10:48	D1



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Client Sample ID FB5-5-1.5 Lab ID: 1601094-19

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0686	03/25/2016	03/25/16 18:51	
Lead	2.8	1.0	1	B6C0686	03/25/2016	03/25/16 18:51	

Organochlorine Pesticides by EPA 8081

- ·							1111119500 0
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Anaryte	(ug/kg)	(ug/kg)	Dilution	Batch	Flepaleu	Analyzed	110105
4,4´-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
4,4′-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 10:59	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 10:59	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 10:59	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 10:59	
Surrogate: Decachlorobiphenyl	59.4 %	16 - 137		B6C0725	03/27/2016	03/29/16 10:59	
Surrogate: Tetrachloro-m-xylene	57.5 %	16 - 105		B6C0725	03/27/2016	03/29/16 10:59	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB5-2-0.5 Lab ID: 1601094-21

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.1	1.0	1	B6C0686	03/25/2016	03/25/16 18:53	
Lead	22	1.0	1	B6C0686	03/25/2016	03/25/16 18:53	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
4,4'-DDE	ND	10	5	B6C0725	03/27/2010	03/29/16 11:09	D1
4,4'-DDL 4,4'-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
alpha-Chlordane	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Chlordane	ND	42	5	B6C0725	03/27/2016	03/29/16 11:09	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Dieldrin	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 11:09	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 11:09	D1
Surrogate: Decachlorobiphenyl	21.0 %	16 - 137		B6C0725	03/27/2016	03/29/16 11:09	D1
Surrogate: Tetrachloro-m-xylene	15.9 %	16 - 105		B6C0725	03/27/2016	03/29/16 11:09	D1, S10



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Reported : 03/30/2016

Client Sample ID FB5-2-1.5 Lab ID: 1601094-22

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0686	03/25/2016	03/25/16 18:55	
Lead	2.2	1.0	1	B6C0686	03/25/2016	03/25/16 18:55	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
4,4′-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
4,4′-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 11:20	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:20	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 11:20	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 11:20	
Surrogate: Decachlorobiphenyl	55.0 %	16 - 137		B6C0725	03/27/2016	03/29/16 11:20	
Surrogate: Tetrachloro-m-xylene	56.6 %	16 - 105		B6C0725	03/27/2016	03/29/16 11:20	

Analyst: CL



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Reported : 03/30/2016

Client Sample ID FB5-2-1.5-D Lab ID: 1601094-23

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0686	03/25/2016	03/25/16 18:57	
Lead	4.6	1.0	1	B6C0686	03/25/2016	03/25/16 18:57	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Datell	Ttepateu	Anaryzea	Notes
4,4′-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
4,4´-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
4,4´-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Chlordane [2C]	ND	8.5	1	B6C0725	03/27/2016	03/29/16 11:30	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Dieldrin [2C]	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 11:30	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 11:30	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 11:30	
Surrogate: Decachlorobiphenyl	44.4 %	16 - 137		B6C0725	03/27/2016	03/29/16 11:30	
Surrogate: Tetrachloro-m-xylene	44.4 %	16 - 105		B6C0725	03/27/2016	03/29/16 11:30	

Analyst: CL



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Reported : 03/30/2016

Client Sample ID FB5-1-0.5 Lab ID: 1601094-25

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.6	1.0	1	B6C0686	03/25/2016	03/25/16 19:03	
Lead	17	1.0	1	B6C0686	03/25/2016	03/25/16 19:03	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Daten	Tiepareu	Anaryzea	Notes
4,4'-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
4,4′-DDE	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
4,4´-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
alpha-Chlordane [2C]	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Chlordane	ND	42	5	B6C0725	03/27/2016	03/29/16 11:40	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Dieldrin	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 11:40	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
gamma-Chlordane	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 11:40	D1
Surrogate: Decachlorobiphenyl	33.8 %	16 - 137		B6C0725	03/27/2016	03/29/16 11:40	D1
Surrogate: Tetrachloro-m-xylene	24.8 %	16 - 105		B6C0725	03/27/2016	03/29/16 11:40	D1



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Client Sample ID FB5-1-0.5-D Lab ID: 1601094-26

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0686	03/25/2016	03/25/16 19:05	
Lead	18	1.0	1	B6C0686	03/25/2016	03/25/16 19:05	

Organochlorine Pesticides by EPA 8081

	Result	PQL		D . 1		Date/Time	N
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4'-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
4,4´-DDE	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
4,4´-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
alpha-Chlordane	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Chlordane	ND	42	5	B6C0725	03/27/2016	03/29/16 11:51	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Dieldrin [2C]	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 11:51	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
gamma-Chlordane	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 11:51	D1
Surrogate: Decachlorobiphenyl	31.2 %	16 - 137		B6C0725	03/27/2016	03/29/16 11:51	D1
Surrogate: Tetrachloro-m-xylene	18.3 %	16 - 105		B6C0725	03/27/2016	03/29/16 11:51	D1



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Client Sample ID FB5-1-1.5 Lab ID: 1601094-27

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.8	1.0	1	B6C0686	03/25/2016	03/25/16 19:07	
Lead	2.4	1.0	1	B6C0686	03/25/2016	03/25/16 19:07	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
4,4'-DDE	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
4,4′-DDT	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Aldrin	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
alpha-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
alpha-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
beta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Chlordane	ND	8.5	1	B6C0725	03/27/2016	03/29/16 12:01	
delta-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Dieldrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Endosulfan I	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Endosulfan II	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Endosulfan sulfate	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Endrin	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Endrin aldehyde	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Endrin ketone	ND	2.0	1	B6C0725	03/27/2016	03/29/16 12:01	
gamma-BHC	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
gamma-Chlordane	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Heptachlor	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Heptachlor epoxide	ND	1.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Methoxychlor	ND	5.0	1	B6C0725	03/27/2016	03/29/16 12:01	
Toxaphene	ND	50	1	B6C0725	03/27/2016	03/29/16 12:01	
Surrogate: Decachlorobiphenyl	62.2 %	16 - 137		B6C0725	03/27/2016	03/29/16 12:01	
Surrogate: Tetrachloro-m-xylene	64.2 %	16 - 105		B6C0725	03/27/2016	03/29/16 12:01	

Analyst: CL



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Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB5-6-0.5 Lab ID: 1601094-29

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.2	1.0	1	B6C0686	03/25/2016	03/25/16 19:09	
Lead	23	1.0	1	B6C0686	03/25/2016	03/25/16 19:09	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
4,4'-DDE	ND	10	5	B6C0725	03/27/2010	03/29/16 12:12	D1
4,4'-DDT	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Aldrin	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
alpha-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
alpha-Chlordane	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
beta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Chlordane	ND	42	5	B6C0725	03/27/2016	03/29/16 12:12	D1
delta-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Dieldrin	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Endosulfan I	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Endosulfan II	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Endosulfan sulfate	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Endrin	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Endrin aldehyde	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Endrin ketone	ND	10	5	B6C0725	03/27/2016	03/29/16 12:12	D1
gamma-BHC	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Heptachlor	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Heptachlor epoxide	ND	5.0	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Methoxychlor	ND	25	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Toxaphene	ND	250	5	B6C0725	03/27/2016	03/29/16 12:12	D1
Surrogate: Decachlorobiphenyl	28.9 %	16 - 137		B6C0725	03/27/2016	03/29/16 12:12	D1
Surrogate: Tetrachloro-m-xylene	21.1 %	16 - 105		B6C0725	03/27/2016	03/29/16 12:12	D1



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB5-6-1.5 Lab ID: 1601094-30

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0687	03/25/2016	03/28/16 09:55	
Lead	8.1	1.0	1	B6C0687	03/25/2016	03/28/16 09:55	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Flepaleu	Allalyzed	INOLES
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
4,4'-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
alpha-Chlordane [2C]	4.7	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Chlordane	48	8.5	1	B6C0726	03/27/2016	03/28/16 09:56	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 09:56	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
gamma-Chlordane [2C]	5.1	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 09:56	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 09:56	
Surrogate: Decachlorobiphenyl	70.9 %	16 - 137		B6C0726	03/27/2016	03/28/16 09:56	
Surrogate: Tetrachloro-m-xylene	59.9 %	16 - 105		B6C0726	03/27/2016	03/28/16 09:56	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-5-0.5 Lab ID: 1601094-32

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.1	1.0	1	B6C0687	03/25/2016	03/28/16 10:01	
Lead	6.7	1.0	1	B6C0687	03/25/2016	03/28/16 10:01	

Organochlorine Pesticides by EPA 8081

A4-DDD ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 (4-DDE ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 (4-DDE ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 (4-DDT ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 (drin ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 (pha-Chlordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 (hordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 (hordane ND 2.0 1 B6C0726 03/27/2016		D L	DOI					i i i i i i i j svo e
A-DDD ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 A'-DDE ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 A'-DDT ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 Idrin ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ipha-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ipha-Chlordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ichordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ichordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ichordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 Indosulfan I ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 Indrin sulfate ND 2.0 1 B6C0726 03/	Analyte			Dilution	Batch	Prepared		Notes
A-DDE ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 ,4-DDT ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 Jdrin ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ipha-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 Ipha-Chlordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10.07 ichordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 ichordan fla ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10.07 indrin aldehyde ND 2.0	-					Ĩ	2	
A'-DDT ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 uldrin ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 lpha-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 lpha-Chlordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 eta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 chlordane ND 8.5 1 B6C0726 03/27/2016 03/28/16 10:07 chlordane ND 8.5 1 B6C0726 03/27/2016 03/28/16 10:07 chlordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan I ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan sulfate ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin idehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin iketone ND 2.0 <td>4,4′-DDD</td> <td></td> <td>2.0</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	4,4′-DDD		2.0	1				
AdrinND1.01B6C072603/27/201603/28/16 10:07lpha-BHCND1.01B6C072603/27/201603/28/16 10:07lpha-ChlordaneND1.01B6C072603/27/201603/28/16 10:07eta-BHCND1.01B6C072603/27/201603/28/16 10:07chlordaneND8.51B6C072603/27/201603/28/16 10:07eta-BHCND1.01B6C072603/27/201603/28/16 10:07eta-BHCND1.01B6C072603/27/201603/28/16 10:07idosulfanND2.01B6C072603/27/201603/28/16 10:07indosulfan IIND2.01B6C072603/27/201603/28/16 10:07indosulfan sulfateND2.01B6C072603/27/201603/28/16 10:07indrin aldehydeND2.01B6C072603/27/201603/28/16 10:07indrin aldehydeND2.01B6C072603/27/201603/28/16 10:07amma-BHCND2.01B6C072603/27/201603/28/16 10:07amma-Chlordane [2C]ND1.01B6C072603/27/201603/28/16 10:07teptachlorND1.01B6C072603/27/201603/28/16 10:07teptachlor epoxideND1.01B6C072603/27/201603/28/16 10:07teptachlor epoxideND1.01B6C072603/27/201603/28/16	4,4'-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Ipha-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ipha-Chlordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 eta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 chlordane ND 8.5 1 B6C0726 03/27/2016 03/28/16 10:07 elta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 idedsulfan I ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 1.0 1	4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Induction ND 1.0 I B6C0726 03/27/2016 03/28/16 10:07 eta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 ihlordane ND 8.5 1 B6C0726 03/27/2016 03/28/16 10:07 elta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 olta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 olta-BHC ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan I ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin ketone ND 2.0 1 B6C0726	Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Here ND 1.0 1 BC0726 03/27/2016 03/28/16 10:07 Ichordane ND 8.5 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordane ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordantan ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordane ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichordani aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ichorin ketone ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 1.0 1 B6C0726	alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
ND 8.5 1 B6C0726 03/27/2016 03/28/16 10:07 elta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 bieldrin ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan I ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan Sulfate ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin ketone ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 1.0 1.0 B6C0726	alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
elta-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 bieldrin ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan I ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan sulfate ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan sulfate ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin ketone ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-Chlordane [2C] ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide	beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan I ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan II ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indosulfan sulfate ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 indrin ketone ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-Chlordane [2C] ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 5.0 1	Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 10:07	
Indosulfan IND1.01B6C072603/27/201603/28/16 10:07indosulfan IIND2.01B6C072603/27/201603/28/16 10:07indosulfan sulfateND2.01B6C072603/27/201603/28/16 10:07indrinND2.01B6C072603/27/201603/28/16 10:07indrin aldehydeND2.01B6C072603/27/201603/28/16 10:07indrin ketoneND2.01B6C072603/27/201603/28/16 10:07indrin ketoneND2.01B6C072603/27/201603/28/16 10:07amma-BHCND1.01B6C072603/27/201603/28/16 10:07amma-Chlordane [2C]ND1.01B6C072603/27/201603/28/16 10:07Ieptachlor epoxideND1.01B6C072603/27/201603/28/16 10:07Ieptachlor epoxideND1.01B6C072603/27/201603/28/16 10:07Ieptachlor epoxideND5.01B6C072603/27/201603/28/16 10:07Iwrogate: Decachlorobiphenyl63.6% <i>Ie - 137</i> B6C072603/27/201603/28/16 10:07	delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Indosulfan IIND2.01B6C072603/27/201603/28/16 10:07indosulfan sulfateND2.01B6C072603/27/201603/28/16 10:07indrinND2.01B6C072603/27/201603/28/16 10:07indrin aldehydeND2.01B6C072603/27/201603/28/16 10:07indrin ketoneND2.01B6C072603/27/201603/28/16 10:07indrin ketoneND2.01B6C072603/27/201603/28/16 10:07amma-BHCND1.01B6C072603/27/201603/28/16 10:07amma-Chlordane [2C]ND1.01B6C072603/27/201603/28/16 10:07kethosychlorND1.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/201603/28/16 10:07kethosychlorND5.01B6C072603/27/2016	Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Modosulfan sulfateND2.01B6C072603/27/201603/28/16 10:07AndrinND2.01B6C072603/27/201603/28/16 10:07Andrin aldehydeND2.01B6C072603/27/201603/28/16 10:07Andrin ketoneND2.01B6C072603/27/201603/28/16 10:07Amma-BHCND1.01B6C072603/27/201603/28/16 10:07Amma-Chlordane [2C]ND1.01B6C072603/27/201603/28/16 10:07IeptachlorND1.01B6C072603/27/201603/28/16 10:07Ieptachlor epoxideND1.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07IeptachlorND5.01B6C072603/27/201603/28/16 10:07Ieptachlore/ND5.01B6C072603/27/201603/28/16 10:07Ieptachlore/ND5.01B6C072603/27/201603/28/16	Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
IndrinND2.01B6C072603/27/201603/28/16 10:07Indrin aldehydeND2.01B6C072603/27/201603/28/16 10:07Indrin ketoneND2.01B6C072603/27/201603/28/16 10:07Indrin ketoneND1.01B6C072603/27/201603/28/16 10:07Indrin amma-BHCND1.01B6C072603/27/201603/28/16 10:07Indrin [2C]ND1.01B6C072603/27/201603/28/16 10:07IeptachlorND1.01B6C072603/27/201603/28/16 10:07Ieptachlor epoxideND1.01B6C072603/27/201603/28/16 10:07MethoxychlorND5.01B6C072603/27/201603/28/16 10:07Ieptachlorobiphenyl63.6 %16 - 137B6C072603/27/201603/28/16 10:07	Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Andrin aldehyde ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 Andrin ketone ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-Chlordane [2C] ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Iethoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 ioxaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 iowaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07	Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
ND 2.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-Chlordane [2C] ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Methoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Yethoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Yethoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Yethoxychlor ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 Yethoxychlor ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 Yethoxychlor ND 50 <td>Endrin</td> <td>ND</td> <td>2.0</td> <td>1</td> <td>B6C0726</td> <td>03/27/2016</td> <td>03/28/16 10:07</td> <td></td>	Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
amma-BHC ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 amma-Chlordane [2C] ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Iethoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 ioxaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 iwrogate: Decachlorobiphenyl 63.6 % I6 - 137 B6C0726 03/27/2016 03/28/16 10:07	Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
amma-Chlordane [2C] ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 leptachlor ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 leptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 leptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Methoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 oxaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 wrogate: Decachlorobiphenyl 63.6 % 16 - 137 B6C0726 03/27/2016 03/28/16 10:07	Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:07	
ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Ieptachlor epoxide ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Aethoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Toxaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 Turrogate: Decachlorobiphenyl 63.6 % 16 - 137 B6C0726 03/27/2016 03/28/16 10:07	gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Instrument ND 1.0 1 B6C0726 03/27/2016 03/28/16 10:07 Methoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Aethoxychlor ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 Soxaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 Surrogate: Decachlorobiphenyl 63.6 % 16 - 137 B6C0726 03/27/2016 03/28/16 10:07	gamma-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
ND 5.0 1 B6C0726 03/27/2016 03/28/16 10:07 oxaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 owaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 owaphene ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 owaphene 63.6 % 16 - 137 B6C0726 03/27/2016 03/28/16 10:07	Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
ND 50 1 B6C0726 03/27/2016 03/28/16 10:07 uurogate: Decachlorobiphenyl 63.6 % 16 - 137 B6C0726 03/27/2016 03/28/16 10:07	Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:07	
Surrogate: Decachlorobiphenyl 63.6 % 16 - 137 B6C0726 03/27/2016 03/28/16 10:07	Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 10:07	
	Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 10:07	
urrogate: Tetrachloro-m-xylene 53.2 % 16 - 105 B6C0726 03/27/2016 03/28/16 10:07	Surrogate: Decachlorobiphenyl	63.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 10:07	
	Surrogate: Tetrachloro-m-xylene	53.2 %	16 - 105		B6C0726	03/27/2016	03/28/16 10:07	



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-5-1.5 Lab ID: 1601094-33

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0687	03/25/2016	03/28/16 10:03	
Lead	3.2	1.0	1	B6C0687	03/25/2016	03/28/16 10:03	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Chlordane [2C]	ND	8.5	1	B6C0726	03/27/2016	03/28/16 10:17	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:17	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
gamma-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 10:17	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 10:17	
Surrogate: Decachlorobiphenyl	63.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 10:17	
Surrogate: Tetrachloro-m-xylene	53.4 %	16 - 105		B6C0726	03/27/2016	03/28/16 10:17	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-5-1.5-D Lab ID: 1601094-34

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0687	03/25/2016	03/28/16 10:05	
Lead	3.4	1.0	1	B6C0687	03/25/2016	03/28/16 10:05	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
4,4′-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Chlordane [2C]	ND	8.5	1	B6C0726	03/27/2016	03/28/16 10:28	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:28	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
gamma-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 10:28	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 10:28	
Surrogate: Decachlorobiphenyl	62.9 %	16 - 137		B6C0726	03/27/2016	03/28/16 10:28	
Surrogate: Tetrachloro-m-xylene	56.2 %	16 - 105		B6C0726	03/27/2016	03/28/16 10:28	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-6-0.5 Lab ID: 1601094-36

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0687	03/25/2016	03/28/16 10:07	
Lead	9.7	1.0	1	B6C0687	03/25/2016	03/28/16 10:07	

Organochlorine Pesticides by EPA 8081

	Result	PQL				Date/Time	
nalyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4´-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
4´-DDE [2C]	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
pha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
pha-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
nlordane [2C]	ND	8.5	1	B6C0726	03/27/2016	03/28/16 10:38	
lta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ieldrin [2C]	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ndosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ndosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ndosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ndrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ndrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ndrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:38	
mma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
mma-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
eptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
eptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:38	
ethoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 10:38	
oxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 10:38	
rrogate: Decachlorobiphenyl 60	0.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 10:38	
rrogate: Tetrachloro-m-xylene 5.	1.2 %	16 - 105		B6C0726	03/27/2016	03/28/16 10:38	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-6-1.5 Lab ID: 1601094-37

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0687	03/25/2016	03/28/16 10:09	
Lead	2.4	1.0	1	B6C0687	03/25/2016	03/28/16 10:09	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 10:48	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:48	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 10:48	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 10:48	
Surrogate: Decachlorobiphenyl	79.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 10:48	
Surrogate: Tetrachloro-m-xylene	72.3 %	16 - 105		B6C0726	03/27/2016	03/28/16 10:48	



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-7-0.5 Lab ID: 1601094-40

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.9	1.0	1	B6C0687	03/25/2016	03/28/16 10:15	
Lead	7.8	1.0	1	B6C0687	03/25/2016	03/28/16 10:15	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
4,4'-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 10:59	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 10:59	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 10:59	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 10:59	
Surrogate: Decachlorobiphenyl	64.2 %	16 - 137		B6C0726	03/27/2016	03/28/16 10:59	
Surrogate: Tetrachloro-m-xylene	63.8 %	16 - 105		B6C0726	03/27/2016	03/28/16 10:59	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-7-1.5 Lab ID: 1601094-41

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.9	1.0	1	B6C0687	03/25/2016	03/28/16 10:17	
Lead	2.6	1.0	1	B6C0687	03/25/2016	03/28/16 10:17	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 11:09	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:09	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 11:09	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 11:09	
Surrogate: Decachlorobiphenyl	62.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 11:09	
Surrogate: Tetrachloro-m-xylene	64.2 %	16 - 105		B6C0726	03/27/2016	03/28/16 11:09	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-8-0.5 Lab ID: 1601094-44

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.0	1.0	1	B6C0687	03/25/2016	03/28/16 10:19	
Lead	7.0	1.0	1	B6C0687	03/25/2016	03/28/16 10:19	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
	(((18)-18)	Diración	Buttin	Troparou	1 11111 / 200	110100
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Chlordane [2C]	ND	8.5	1	B6C0726	03/27/2016	03/28/16 11:30	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:30	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
gamma-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 11:30	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 11:30	
Surrogate: Decachlorobiphenyl	50.2 %	16 - 137		B6C0726	03/27/2016	03/28/16 11:30	
Surrogate: Tetrachloro-m-xylene	49.8 %	16 - 105		B6C0726	03/27/2016	03/28/16 11:30	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-8-1.5 Lab ID: 1601094-45

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.9	1.0	1	B6C0687	03/25/2016	03/28/16 10:21	
Lead	2.2	1.0	1	B6C0687	03/25/2016	03/28/16 10:21	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
	((-88)					
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 11:40	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 11:40	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 11:40	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 11:40	
Surrogate: Decachlorobiphenyl	69.0 %	16 - 137		B6C0726	03/27/2016	03/28/16 11:40	
Surrogate: Tetrachloro-m-xylene	67.5 %	16 - 105		B6C0726	03/27/2016	03/28/16 11:40	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-4-0.5 Lab ID: 1601094-47

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.7	1.0	1	B6C0687	03/25/2016	03/28/16 10:24	
Lead	70	1.0	1	B6C0687	03/25/2016	03/28/16 10:24	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Baten	Trepared	Anaryzeu	Notes
4,4´-DDD	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
4,4´-DDE [2C]	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
4,4´-DDT [2C]	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Aldrin	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
alpha-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
alpha-Chlordane	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
beta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Chlordane	51	42	5	B6C0726	03/27/2016	03/28/16 11:50	D1
delta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Dieldrin	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Endosulfan I	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Endosulfan II	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Endosulfan sulfate	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Endrin	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Endrin aldehyde	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Endrin ketone	ND	10	5	B6C0726	03/27/2016	03/28/16 11:50	D1
gamma-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
gamma-Chlordane [2C]	5.3	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Heptachlor	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Heptachlor epoxide	ND	5.0	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Methoxychlor	ND	25	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Toxaphene	ND	250	5	B6C0726	03/27/2016	03/28/16 11:50	D1
Surrogate: Decachlorobiphenyl	38.5 %	16 - 137		B6C0726	03/27/2016	03/28/16 11:50	D1
Surrogate: Tetrachloro-m-xylene	30.9 %	16 - 105		B6C0726	03/27/2016	03/28/16 11:50	D1

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-4-1.5 Lab ID: 1601094-48

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0687	03/25/2016	03/28/16 10:25	
Lead	4.2	1.0	1	B6C0687	03/25/2016	03/28/16 10:25	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
4,4′-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Chlordane [2C]	ND	8.5	1	B6C0726	03/27/2016	03/28/16 12:01	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Dieldrin [2C]	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:01	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
gamma-Chlordane [2C]	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 12:01	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 12:01	
Surrogate: Decachlorobiphenyl	51.9 %	16 - 137		B6C0726	03/27/2016	03/28/16 12:01	
Surrogate: Tetrachloro-m-xylene	50.4 %	16 - 105		B6C0726	03/27/2016	03/28/16 12:01	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-3-0.5 Lab ID: 1601094-50

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.6	1.0	1	B6C0687	03/25/2016	03/28/16 10:27	
Lead	24	1.0	1	B6C0687	03/25/2016	03/28/16 10:27	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
4,4'-DDE [2C]	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
4,4'-DDT [2C]	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Aldrin	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
alpha-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
alpha-Chlordane	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
beta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Chlordane [2C]	ND	42	5	B6C0726	03/27/2016	03/28/16 12:11	D1
delta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Dieldrin	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Endosulfan I	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Endosulfan II	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Endosulfan sulfate	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Endrin	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Endrin aldehyde	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Endrin ketone	ND	10	5	B6C0726	03/27/2016	03/28/16 12:11	D1
gamma-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Heptachlor	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Heptachlor epoxide	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Methoxychlor	ND	25	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Toxaphene	ND	250	5	B6C0726	03/27/2016	03/28/16 12:11	D1
Surrogate: Decachlorobiphenyl	58.9 %	16 - 137		B6C0726	03/27/2016	03/28/16 12:11	D1
Surrogate: Tetrachloro-m-xylene	30.7 %	16 - 105		B6C0726	03/27/2016	03/28/16 12:11	D1



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-3-1.5 Lab ID: 1601094-51

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.6	1.0	1	B6C0687	03/25/2016	03/28/16 10:29	
Lead	2.5	1.0	1	B6C0687	03/25/2016	03/28/16 10:29	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 12:22	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:22	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 12:22	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 12:22	
Surrogate: Decachlorobiphenyl	51.9 %	16 - 137		B6C0726	03/27/2016	03/28/16 12:22	
Surrogate: Tetrachloro-m-xylene	51.8 %	16 - 105		B6C0726	03/27/2016	03/28/16 12:22	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-3-1.5-D Lab ID: 1601094-52

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.2	1.0	1	B6C0687	03/25/2016	03/28/16 10:31	
Lead	2.3	1.0	1	B6C0687	03/25/2016	03/28/16 10:31	

Organochlorine Pesticides by EPA 8081

Ç 7							
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
	((-88)					
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
4,4′-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
4,4´-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 12:32	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:32	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 12:32	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 12:32	
Surrogate: Decachlorobiphenyl	47.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 12:32	
Surrogate: Tetrachloro-m-xylene	49.9 %	16 - 105		B6C0726	03/27/2016	03/28/16 12:32	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-2-0.5 Lab ID: 1601094-54

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0687	03/25/2016	03/28/16 10:33	
Lead	18	1.0	1	B6C0687	03/25/2016	03/28/16 10:33	

Organochlorine Pesticides by EPA 8081

C V							
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
4,4′-DDE	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
4.4'-DDT	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Aldrin	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
alpha-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
alpha-Chlordane	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
beta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Chlordane	ND	42	5	B6C0726	03/27/2016	03/28/16 12:42	D1
delta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Dieldrin	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Endosulfan I	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Endosulfan II	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Endosulfan sulfate	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Endrin	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Endrin aldehyde	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Endrin ketone	ND	10	5	B6C0726	03/27/2016	03/28/16 12:42	D1
gamma-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Heptachlor	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Heptachlor epoxide	ND	5.0	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Methoxychlor	ND	25	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Toxaphene	ND	250	5	B6C0726	03/27/2016	03/28/16 12:42	D1
Surrogate: Decachlorobiphenyl	38.4 %	16 - 137		B6C0726	03/27/2016	03/28/16 12:42	D1
Surrogate: Tetrachloro-m-xylene	31.0 %	16 - 105		B6C0726	03/27/2016	03/28/16 12:42	D1



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-2-1.5 Lab ID: 1601094-55

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.9	1.0	1	B6C0687	03/25/2016	03/28/16 10:39	
Lead	2.5	1.0	1	B6C0687	03/25/2016	03/28/16 10:39	

Organochlorine Pesticides by EPA 8081

C V							
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
4,4′-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 12:53	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 12:53	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 12:53	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 12:53	
Surrogate: Decachlorobiphenyl	64.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 12:53	
Surrogate: Tetrachloro-m-xylene	64.6 %	16 - 105		B6C0726	03/27/2016	03/28/16 12:53	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-1-0.5 Lab ID: 1601094-57

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0687	03/25/2016	03/28/16 10:42	
Lead	6.7	1.0	1	B6C0687	03/25/2016	03/28/16 10:42	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
4,4´-DDT [2C]	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 13:03	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Dieldrin [2C]	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:03	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 13:03	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 13:03	
Surrogate: Decachlorobiphenyl	51.0 %	16 - 137		B6C0726	03/27/2016	03/28/16 13:03	
Surrogate: Tetrachloro-m-xylene	45.0 %	16 - 105		B6C0726	03/27/2016	03/28/16 13:03	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-1-0.5-D Lab ID: 1601094-58

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.2	1.0	1	B6C0687	03/25/2016	03/28/16 10:44	
Lead	23	1.0	1	B6C0687	03/25/2016	03/28/16 10:44	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
4.4´-DDE	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
4,4′-DDT	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Aldrin	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
alpha-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
alpha-Chlordane	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
beta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Chlordane	ND	42	5	B6C0726	03/27/2016	03/28/16 13:14	D1
delta-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Dieldrin	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Endosulfan I	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Endosulfan II	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Endosulfan sulfate	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Endrin	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Endrin aldehyde	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Endrin ketone	ND	10	5	B6C0726	03/27/2016	03/28/16 13:14	D1
gamma-BHC	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
gamma-Chlordane	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Heptachlor	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Heptachlor epoxide	ND	5.0	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Methoxychlor	ND	25	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Toxaphene	ND	250	5	B6C0726	03/27/2016	03/28/16 13:14	D1
Surrogate: Decachlorobiphenyl	41.7 %	16 - 137		B6C0726	03/27/2016	03/28/16 13:14	D1
Surrogate: Tetrachloro-m-xylene	24.9 %	16 - 105		B6C0726	03/27/2016	03/28/16 13:14	D1

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB6-1-1.5 Lab ID: 1601094-59

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0687	03/25/2016	03/28/16 10:45	
Lead	2.5	1.0	1	B6C0687	03/25/2016	03/28/16 10:45	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
4,4´-DDE	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
4,4′-DDT	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Aldrin	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
alpha-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
alpha-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
beta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Chlordane	ND	8.5	1	B6C0726	03/27/2016	03/28/16 13:24	
delta-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Dieldrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Endosulfan I	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Endosulfan II	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Endosulfan sulfate	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Endrin	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Endrin aldehyde	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Endrin ketone	ND	2.0	1	B6C0726	03/27/2016	03/28/16 13:24	
gamma-BHC	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
gamma-Chlordane	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Heptachlor	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Heptachlor epoxide	ND	1.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Methoxychlor	ND	5.0	1	B6C0726	03/27/2016	03/28/16 13:24	
Toxaphene	ND	50	1	B6C0726	03/27/2016	03/28/16 13:24	
Surrogate: Decachlorobiphenyl	64.6 %	16 - 137		B6C0726	03/27/2016	03/28/16 13:24	
Surrogate: Tetrachloro-m-xylene	63.8 %	16 - 105		B6C0726	03/27/2016	03/28/16 13:24	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-1-0.5 Lab ID: 1601094-61

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0688	03/25/2016	03/28/16 10:51	
Lead	4.3	1.0	1	B6C0688	03/25/2016	03/28/16 10:51	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
4,4′-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
4,4′-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 17:04	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Dieldrin [2C]	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:04	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
gamma-Chlordane [2C]	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 17:04	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 17:04	
Surrogate: Decachlorobiphenyl	43.2 %	16 - 137		B6C0749	03/28/2016	03/28/16 17:04	
Surrogate: Tetrachloro-m-xylene	37.9 %	16 - 105		B6C0749	03/28/2016	03/28/16 17:04	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-1-1.5 Lab ID: 1601094-62

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.3	1.0	1	B6C0688	03/25/2016	03/28/16 10:57	
Lead	2.3	1.0	1	B6C0688	03/25/2016	03/28/16 10:57	

Organochlorine Pesticides by EPA 8081

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	Result	PQL		D (1		Date/Time	N T (
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 17:14	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:14	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 17:14	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 17:14	
Surrogate: Decachlorobiphenyl	58.4 %	16 - 137		B6C0749	03/28/2016	03/28/16 17:14	
Surrogate: Tetrachloro-m-xylene	47.3 %	16 - 105		B6C0749	03/28/2016	03/28/16 17:14	
Surrogate: letrachloro-m-xylene	47.3 %	10 - 105		B6C0/49	03/28/2016	03/28/10 17:14	



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-6-0.5 Lab ID: 1601094-64

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.4	1.0	1	B6C0688	03/25/2016	03/28/16 11:03	
Lead	38	1.0	1	B6C0688	03/25/2016	03/28/16 11:03	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
4,4′-DDE	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
4,4′-DDT	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Aldrin	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
alpha-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
alpha-Chlordane	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
beta-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Chlordane	ND	42	5	B6C0749	03/28/2016	03/28/16 17:24	D1
delta-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Dieldrin	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Endosulfan I	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Endosulfan II	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Endosulfan sulfate	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Endrin	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Endrin aldehyde	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Endrin ketone	ND	10	5	B6C0749	03/28/2016	03/28/16 17:24	D1
gamma-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
gamma-Chlordane [2C]	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Heptachlor	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Heptachlor epoxide	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Methoxychlor	ND	25	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Toxaphene	ND	250	5	B6C0749	03/28/2016	03/28/16 17:24	D1
Surrogate: Decachlorobiphenyl	35.5 %	16 - 137		B6C0749	03/28/2016	03/28/16 17:24	D1
Surrogate: Tetrachloro-m-xylene	23.3 %	16 - 105		B6C0749	03/28/2016	03/28/16 17:24	D1



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Project Number: Colfax ES, 603378.005

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Reported : 03/30/2016

Client Sample ID FB7-6-0.5-D Lab ID: 1601094-65

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.9	1.0	1	B6C0688	03/25/2016	03/28/16 11:05	
Lead	18	1.0	1	B6C0688	03/25/2016	03/28/16 11:05	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
-					I	2	
4,4'-DDD	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
4,4'-DDE	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
4,4'-DDT	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Aldrin	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
alpha-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
alpha-Chlordane	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
beta-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Chlordane	ND	42	5	B6C0749	03/28/2016	03/28/16 17:35	D1
lelta-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Dieldrin	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Endosulfan I	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Endosulfan II	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Endosulfan sulfate	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Endrin	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Endrin aldehyde	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Endrin ketone	ND	10	5	B6C0749	03/28/2016	03/28/16 17:35	D1
gamma-BHC	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
gamma-Chlordane	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Heptachlor	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Heptachlor epoxide	ND	5.0	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Methoxychlor	ND	25	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Toxaphene	ND	250	5	B6C0749	03/28/2016	03/28/16 17:35	D1
Surrogate: Decachlorobiphenyl	49.1 %	16 - 137		B6C0749	03/28/2016	03/28/16 17:35	D1
Surrogate: Tetrachloro-m-xylene	33.7 %	16 - 105		B6C0749	03/28/2016	03/28/16 17:35	D1



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Project Number: Colfax ES, 603378.005

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Reported : 03/30/2016

Client Sample ID FB7-6-1.5 Lab ID: 1601094-66

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0688	03/25/2016	03/28/16 11:07	
Lead	8.8	1.0	1	B6C0688	03/25/2016	03/28/16 11:07	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
4,4′-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 17:45	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:45	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 17:45	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 17:45	
Surrogate: Decachlorobiphenyl	54.8 %	16 - 137		B6C0749	03/28/2016	03/28/16 17:45	
Surrogate: Tetrachloro-m-xylene	47.9 %	16 - 105		B6C0749	03/28/2016	03/28/16 17:45	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-2-0.5 Lab ID: 1601094-68

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.3	1.0	1	B6C0688	03/25/2016	03/28/16 11:09	
Lead	2.9	1.0	1	B6C0688	03/25/2016	03/28/16 11:09	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
4,4'-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 17:55	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 17:55	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 17:55	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 17:55	
Surrogate: Decachlorobiphenyl	47.9 %	16 - 137		B6C0749	03/28/2016	03/28/16 17:55	
Surrogate: Tetrachloro-m-xylene	45.0 %	16 - 105		B6C0749	03/28/2016	03/28/16 17:55	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-2-1.5 Lab ID: 1601094-69

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.5	1.0	1	B6C0688	03/25/2016	03/28/16 11:11	
Lead	2.6	1.0	1	B6C0688	03/25/2016	03/28/16 11:11	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
4,4'-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 18:06	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:06	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 18:06	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 18:06	
Surrogate: Decachlorobiphenyl	51.4 %	16 - 137		B6C0749	03/28/2016	03/28/16 18:06	
Surrogate: Tetrachloro-m-xylene	48.3 %	16 - 105		B6C0749	03/28/2016	03/28/16 18:06	

Analyst: CL



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Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-5-0.5 Lab ID: 1601094-71

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.0	1.0	1	B6C0688	03/25/2016	03/28/16 11:13	
Lead	2.5	1.0	1	B6C0688	03/25/2016	03/28/16 11:13	

Organochlorine Pesticides by EPA 8081

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Analyta	Result	PQL	Dilution	Datah	Droporod	Date/Time	Notor
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4´-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 18:16	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:16	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 18:16	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 18:16	
Surrogate: Decachlorobiphenyl	51.2 %	16 - 137		B6C0749	03/28/2016	03/28/16 18:16	
Surrogate: Tetrachloro-m-xylene	48.2 %	16 - 105		B6C0749	03/28/2016	03/28/16 18:16	



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-5-1.5 Lab ID: 1601094-72

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B6C0688	03/25/2016	03/28/16 11:15	
Lead	2.6	1.0	1	B6C0688	03/25/2016	03/28/16 11:15	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
4,4′-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 18:26	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:26	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 18:26	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 18:26	
Surrogate: Decachlorobiphenyl	64.0 %	16 - 137		B6C0749	03/28/2016	03/28/16 18:26	
Surrogate: Tetrachloro-m-xylene	68.1 %	16 - 105		B6C0749	03/28/2016	03/28/16 18:26	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-3-0.5 Lab ID: 1601094-74

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B6C0688	03/25/2016	03/28/16 11:17	
Lead	7.9	1.0	1	B6C0688	03/25/2016	03/28/16 11:17	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
4,4′-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
4,4′-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Chlordane [2C]	ND	8.5	1	B6C0749	03/28/2016	03/28/16 18:37	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Dieldrin [2C]	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:37	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
gamma-Chlordane [2C]	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 18:37	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 18:37	
Surrogate: Decachlorobiphenyl	42.2 %	16 - 137		B6C0749	03/28/2016	03/28/16 18:37	
Surrogate: Tetrachloro-m-xylene	38.6 %	16 - 105		B6C0749	03/28/2016	03/28/16 18:37	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-3-0.5-D Lab ID: 1601094-75

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.2	1.0	1	B6C0688	03/25/2016	03/28/16 11:19	
Lead	5.3	1.0	1	B6C0688	03/25/2016	03/28/16 11:19	

Organochlorine Pesticides by EPA 8081

ResultPQLAnalyte(ug/kg)(ug/kg)D4,4'-DDDND2.04,4'-DDEND2.04,4'-DDTND2.0AldrinND1.0alpha-BHCND1.0alpha-Chlordane [2C]ND1.0Chlordane [2C]ND8.5	1] 1] 1]	Batch B6C0749 B6C0749 B6C0749 B6C0749	Prepared 03/28/2016 03/28/2016 03/28/2016	Date/Time Analyzed 03/28/16 18:47 03/28/16 18:47	Notes
4,4'-DDD ND 2.0 4,4'-DDE ND 2.0 4,4'-DDT ND 2.0 Aldrin ND 1.0 alpha-BHC ND 1.0 alpha-Chlordane [2C] ND 1.0 beta-BHC ND 1.0	1 1 1 1 1 1	B6C0749 B6C0749 B6C0749	03/28/2016 03/28/2016	03/28/16 18:47	Notes
4,4'-DDE ND 2.0 4,4'-DDT ND 2.0 Aldrin ND 1.0 alpha-BHC ND 1.0 alpha-Chlordane [2C] ND 1.0 beta-BHC ND 1.0	1] 1] 1]	B6C0749 B6C0749	03/28/2016		
4,4'-DDTND2.0AldrinND1.0alpha-BHCND1.0alpha-Chlordane [2C]ND1.0beta-BHCND1.0	1] 1]	B6C0749		03/28/16 18:47	
AldrinND1.0alpha-BHCND1.0alpha-Chlordane [2C]ND1.0beta-BHCND1.0	1		03/28/2016		
alpha-BHCND1.0alpha-Chlordane [2C]ND1.0beta-BHCND1.0		D6C0740		03/28/16 18:47	
alpha-Chlordane [2C]ND1.0beta-BHCND1.0	1	B0C0/49	03/28/2016	03/28/16 18:47	
beta-BHC ND 1.0		B6C0749	03/28/2016	03/28/16 18:47	
	1	B6C0749	03/28/2016	03/28/16 18:47	
Chlordane [2C] ND 8.5	1	B6C0749	03/28/2016	03/28/16 18:47	
	1	B6C0749	03/28/2016	03/28/16 18:47	
delta-BHC ND 1.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Dieldrin [2C] ND 2.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Endosulfan I ND 1.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Endosulfan II ND 2.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Endosulfan sulfate ND 2.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Endrin ND 2.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Endrin aldehyde ND 2.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Endrin ketone ND 2.0	1	B6C0749	03/28/2016	03/28/16 18:47	
gamma-BHC ND 1.0	1	B6C0749	03/28/2016	03/28/16 18:47	
gamma-Chlordane [2C] ND 1.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Heptachlor ND 1.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Heptachlor epoxide ND 1.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Methoxychlor ND 5.0	1	B6C0749	03/28/2016	03/28/16 18:47	
Toxaphene ND 50	1	B6C0749	03/28/2016	03/28/16 18:47	
Surrogate: Decachlorobiphenyl 53.3 % 16 - 137		B6C0749	03/28/2016	03/28/16 18:47	
Surrogate: Tetrachloro-m-xylene 44.7 % 16 - 105		DOCUT	03/20/2010	05/20/10 10.4/	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-3-1.5 Lab ID: 1601094-76

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.3	1.0	1	B6C0688	03/25/2016	03/28/16 11:21	
Lead	2.3	1.0	1	B6C0688	03/25/2016	03/28/16 11:21	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 18:57	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 18:57	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 18:57	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 18:57	
Surrogate: Decachlorobiphenyl	50.6 %	16 - 137		B6C0749	03/28/2016	03/28/16 18:57	
Surrogate: Tetrachloro-m-xylene	45.0 %	16 - 105		B6C0749	03/28/2016	03/28/16 18:57	



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-4-0.5 Lab ID: 1601094-78

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	8.5	1.0	1	B6C0688	03/25/2016	03/28/16 11:27	
Lead	5.5	1.0	1	B6C0688	03/25/2016	03/28/16 11:27	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
4,4′-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 19:08	
lelta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:08	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 19:08	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 19:08	
Surrogate: Decachlorobiphenyl	56.7 %	16 - 137		B6C0749	03/28/2016	03/28/16 19:08	
Surrogate: Tetrachloro-m-xylene	54.6 %	16 - 105		B6C0749	03/28/2016	03/28/16 19:08	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID FB7-4-1.5 Lab ID: 1601094-79

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.2	1.0	1	B6C0688	03/25/2016	03/28/16 11:29	
Lead	4.8	1.0	1	B6C0688	03/25/2016	03/28/16 11:29	

Organochlorine Pesticides by EPA 8081

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Analyta	Result	PQL	Dilution	Datah	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	riepaieu	Anaryzed	INOLES
4,4'-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
4,4′-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
alpha-Chlordane [2C]	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Chlordane [2C]	ND	8.5	1	B6C0749	03/28/2016	03/28/16 19:18	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:18	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
gamma-Chlordane [2C]	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 19:18	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 19:18	
Surrogate: Decachlorobiphenyl	54.1 %	16 - 137		B6C0749	03/28/2016	03/28/16 19:18	
Surrogate: Tetrachloro-m-xylene	51.8 %	16 - 105		B6C0749	03/28/2016	03/28/16 19:18	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EB1-2-0.5 Lab ID: 1601094-82

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	8.0	1.0	1	B6C0688	03/25/2016	03/28/16 11:31	
Lead	3.7	1.0	1	B6C0688	03/25/2016	03/28/16 11:31	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
4,4′-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 19:28	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:28	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 19:28	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 19:28	
Surrogate: Decachlorobiphenyl	56.9 %	16 - 137		B6C0749	03/28/2016	03/28/16 19:28	
Surrogate: Tetrachloro-m-xylene	52.9 %	16 - 105		B6C0749	03/28/2016	03/28/16 19:28	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EB1-2-1.5 Lab ID: 1601094-83

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.8	1.0	1	B6C0688	03/25/2016	03/28/16 11:33	
Lead	5.1	1.0	1	B6C0688	03/25/2016	03/28/16 11:33	

Organochlorine Pesticides by EPA 8081

3							i inalyste e
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
4,4'-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 19:39	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:39	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 19:39	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 19:39	
Surrogate: Decachlorobiphenyl	55.2 %	16 - 137		B6C0749	03/28/2016	03/28/16 19:39	
Surrogate: Tetrachloro-m-xylene	49.9 %	16 - 105		B6C0749	03/28/2016	03/28/16 19:39	

Analyst: CL



17781 Cowan Street

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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EB1-2-1.5-D Lab ID: 1601094-84

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B6C0688	03/25/2016	03/28/16 11:35	
Lead	6.5	1.0	1	B6C0688	03/25/2016	03/28/16 11:35	

Organochlorine Pesticides by EPA 8081

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Analyta	Result	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Inotes
4,4'-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
4,4'-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 19:49	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:49	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 19:49	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 19:49	
Surrogate: Decachlorobiphenyl	66.9 %	16 - 137		B6C0749	03/28/2016	03/28/16 19:49	
Surrogate: Tetrachloro-m-xylene	69.8 %	16 - 105		B6C0749	03/28/2016	03/28/16 19:49	

Analyst: CL



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EB2-2-0.5 Lab ID: 1601094-86

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.4	1.0	1	B6C0688	03/25/2016	03/28/16 11:38	
Lead	3.9	1.0	1	B6C0688	03/25/2016	03/28/16 11:38	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 19:59	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 19:59	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 19:59	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 19:59	
Surrogate: Decachlorobiphenyl	54.4 %	16 - 137		B6C0749	03/28/2016	03/28/16 19:59	
Surrogate: Tetrachloro-m-xylene	51.4 %	16 - 105		B6C0749	03/28/2016	03/28/16 19:59	

Analyst: CL



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Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID EB2-2-1.5 Lab ID: 1601094-87

Total Metals by ICP-AES EPA 6010B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.1	1.0	1	B6C0688	03/25/2016	03/28/16 11:40	
Lead	2.9	1.0	1	B6C0688	03/25/2016	03/28/16 11:40	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
4,4′-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
4,4'-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
alpha-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 20:10	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Dieldrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:10	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
gamma-Chlordane	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 20:10	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 20:10	
Surrogate: Decachlorobiphenyl	66.6 %	16 - 137		B6C0749	03/28/2016	03/28/16 20:10	
Surrogate: Tetrachloro-m-xylene	68.3 %	16 - 105		B6C0749	03/28/2016	03/28/16 20:10	

Analyst: CL



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID WC-Soil Lab ID: 1601094-89

Title 22 Metals by ICP-AES EPA 6010B

Title 22 Metals by ICP-AES EPA 6010E	8						Analyst: RR
Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Arsenic	3.3	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Barium	94	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Beryllium	ND	1.0	1	B6C0700	03/25/2016	03/25/16 15:18	
Cadmium	ND	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Chromium	10	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Cobalt	6.2	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Copper	11	2.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Lead	6.1	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Molybdenum	ND	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Nickel	7.7	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Selenium	ND	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Silver	ND	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Thallium	ND	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Vanadium	26	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	
Zinc	42	1.0	1	B6C0700	03/25/2016	03/25/16 15:19	

Mercury by AA (Cold Vapor) EPA 7471A

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B6C0701	03/25/2016	03/28/16 09:49	

Gasoline Range Organics by EPA 8015B (Modified)

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B6C0656	03/23/2016	03/23/16 20:31	
Surrogate: 4-Bromofluorobenzene	80.0 %	37 - 153		B6C0656	03/23/2016	03/23/16 20:31	

Diesel Range Organics by EPA 8015B

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	45	10	10	B6C0642	03/23/2016	03/23/16 21:58	
Surrogate: p-Terphenyl	0%	26 - 123		B6C0642	03/23/2016	03/23/16 21:58	S4

Analyst: SB

Analyst: QP



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID WC-Soil Lab ID: 1601094-89

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
4,4´-DDE	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
4,4´-DDT	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Aldrin	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
alpha-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
alpha-Chlordane [2C]	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
beta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Chlordane	ND	8.5	1	B6C0749	03/28/2016	03/28/16 20:20	
delta-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Dieldrin [2C]	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Endosulfan I	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Endosulfan II	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Endosulfan sulfate	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Endrin	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Endrin aldehyde	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Endrin ketone	ND	2.0	1	B6C0749	03/28/2016	03/28/16 20:20	
gamma-BHC	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
gamma-Chlordane [2C]	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Heptachlor	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Heptachlor epoxide	ND	1.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Methoxychlor	ND	5.0	1	B6C0749	03/28/2016	03/28/16 20:20	
Toxaphene	ND	50	1	B6C0749	03/28/2016	03/28/16 20:20	
Surrogate: Decachlorobiphenyl	52.3 %	16 - 137		B6C0749	03/28/2016	03/28/16 20:20	
Surrogate: Tetrachloro-m-xylene	49.0 %	16 - 105		B6C0749	03/28/2016	03/28/16 20:20	

Analyst: CL



17781 Cowan Street

Irvine, CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID WC-Liquid Lab ID: 1601094-90

Title 22 Metals by ICP-AES EPA 6010B

	Result	PQL				Date/Time	
Analyte	(mg/L)	(mg/L)	Dilution	Batch	Prepared	Analyzed	Notes
Antimony	ND	0.010	1	B6C0668	03/24/2016	03/25/16 12:14	
Arsenic	ND	0.010	1	B6C0668	03/24/2016	03/25/16 12:14	
Barium	0.14	0.0030	1	B6C0668	03/24/2016	03/25/16 12:14	
Beryllium	ND	0.0030	1	B6C0668	03/24/2016	03/25/16 12:13	
Cadmium	ND	0.0030	1	B6C0668	03/24/2016	03/25/16 12:14	
Chromium	0.034	0.0030	1	B6C0668	03/24/2016	03/25/16 12:14	
Cobalt	0.016	0.0030	1	B6C0668	03/24/2016	03/25/16 12:14	
Copper	0.032	0.0090	1	B6C0668	03/24/2016	03/25/16 12:14	
Lead	0.0086	0.0050	1	B6C0668	03/24/2016	03/25/16 12:14	
Molybdenum	ND	0.0050	1	B6C0668	03/24/2016	03/25/16 12:14	
Nickel	0.0061	0.0050	1	B6C0668	03/24/2016	03/25/16 12:14	
Selenium	ND	0.010	1	B6C0668	03/24/2016	03/25/16 12:14	
Silver	ND	0.0030	1	B6C0668	03/24/2016	03/25/16 12:14	
Thallium	ND	0.015	1	B6C0668	03/24/2016	03/25/16 12:14	
Vanadium	0.011	0.0030	1	B6C0668	03/24/2016	03/25/16 12:14	
Zinc	0.12	0.025	1	B6C0668	03/24/2016	03/25/16 12:14	

Mercury by AA (Cold Vapor) EPA 7470A

	Result	PQL				Date/Time	
Analyte	(ug/L)	(ug/L)	Dilution	Batch	Prepared	Analyzed	Notes
Mercury	ND	0.20	1	B6C0770	03/29/2016	03/29/16 11:32	

Gasoline Range Organics by EPA 8015B (Modified)

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.05	1	B6C0765	03/28/2016	03/28/16 21:59	
Surrogate: 4-Bromofluorobenzene	96.2 %	70 - 130		B6C0765	03/28/2016	03/28/16 21:59	

Diesel Range Organics by EPA 8015B

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	0.78	0.05	1	B6C0747	03/28/2016	03/28/16 16:27	
ORO	0.66	0.05	1	B6C0747	03/28/2016	03/28/16 16:27	

Analyst: RR

Analyst: SB

Analyst: QP



17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 03/30/2016

Client Sample ID WC-Liquid Lab ID: 1601094-90

Diesel Range Organics by EPA 8015B

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	94.6 %	20 - 141		B6C0747	03/28/2016	03/28/16 16:27	

Organochlorine Pesticides by EPA 8081

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Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
4,4′-DDE	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
4,4'-DDT	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
Aldrin	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
alpha-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
alpha-Chlordane	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
beta-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
Chlordane	ND	0.25	1	B6C0728	03/25/2016	03/29/16 10:57	
delta-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
Dieldrin	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
Endosulfan I	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
Endosulfan II	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
Endosulfan sulfate	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
Endrin	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
Endrin aldehyde	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
Endrin ketone	ND	0.05	1	B6C0728	03/25/2016	03/29/16 10:57	
gamma-BHC	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
gamma-Chlordane	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
Heptachlor	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
Heptachlor epoxide	ND	0.02	1	B6C0728	03/25/2016	03/29/16 10:57	
Methoxychlor	ND	0.25	1	B6C0728	03/25/2016	03/29/16 10:57	
Toxaphene	ND	2.5	1	B6C0728	03/25/2016	03/29/16 10:57	
Surrogate: Decachlorobiphenyl	28.3 %	7 - 127		B6C0728	03/25/2016	03/29/16 10:57	
Surrogate: Tetrachloro-m-xylene	58.5 %	14 - 122		B6C0728	03/25/2016	03/29/16 10:57	

Analyst: CL



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614

Certificate of Analysis

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

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Reported : 03/30/2016

QUALITY CONTROL SECTION

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/L)	(mg/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0668 - EPA 3010A_W									
Blank (B6C0668-BLK1)				Prepareo	d: 3/24/2016 A	Analyzed: 3/25	/2016		
Arsenic	ND	0.010			NR				
Lead	ND	0.0050			NR				
LCS (B6C0668-BS1)				Prepared: 3/24/2016 Analyzed: 3/25/2016					
Arsenic	0.906718	0.010	1.00000		90.7	80 - 120			
Lead	0.934536	0.0050	1.00000		93.5	80 - 120			
Matrix Spike (B6C0668-MS1)		Source: 1601	081-01	Prepareo	d: 3/24/2016 A	Analyzed: 3/25	/2016		
Arsenic	2.20822	0.010	2.50000	ND	88.3	80 - 128			
Lead	2.24579	0.0050	2.50000	ND	89.8	85 - 114			
Matrix Spike Dup (B6C0668-MSD1)		Source: 1601081-01		Prepared: 3/24/2016		/2016 Analyzed: 3/25/2016			
Arsenic	2.20409	0.010	2.50000	ND	88.2	80 - 128	0.187	20	
Lead	2.23842	0.0050	2.50000	ND	89.5	85 - 114	0.329	20	



Leighton Consulting, Inc.Project Number :Colfax ES, 603378.00517781 Cowan StreetReport To :Julie HarrimanIrvine , CA 92614Reported :03/30/2016

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6C0686 - EPA 3050B_S									
Blank (B6C0686-BLK1)				Prepared	: 3/25/2016 /	Analyzed: 3/25	/2016		
Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
LCS (B6C0686-BS1)				Prepared	: 3/25/2016	Analyzed: 3/25	/2016		
Arsenic	42.4132	1.0	50.0000		84.8	80 - 120			
Lead	44.0582	1.0	50.0000		88.1	80 - 120			
Matrix Spike (B6C0686-MS1)		Source: 1601	094-02	Prepared	: 3/25/2016	Analyzed: 3/25	/2016		
Arsenic	89.6420	1.0	125.000	2.72254	69.5	57 - 109			
Lead	85.1362	1.0	125.000	4.73726	64.3	35 - 129			
Matrix Spike Dup (B6C0686-MSD1)		Source: 1601094-02		Prepared: 3/25/2016		Analyzed: 3/25	/2016		
Arsenic	89.5973	1.0	125.000	2.72254	69.5	57 - 109	0.0499	20	
Lead	89.7033	1.0	125.000	4.73726	68.0	35 - 129	5.22	20	



Leighton Consulting, Inc.Project Number :Colfax ES, 603378.00517781 Cowan StreetReport To :Julie HarrimanIrvine , CA 92614Reported :03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0687 - EPA 3050B_S									
Blank (B6C0687-BLK1)				Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
LCS (B6C0687-BS1)				Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	46.3012	1.0	50.0000		92.6	80 - 120			
Lead	47.3521	1.0	50.0000		94.7	80 - 120			
Matrix Spike (B6C0687-MS1)		Source: 1601	094-30	Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	100.846	1.0	125.000	2.24993	78.9	57 - 109			
Lead	102.681	1.0	125.000	8.11948	75.6	35 - 129			
Matrix Spike Dup (B6C0687-MSD1)		Source: 1601094-30		Prepared: 3/25/2016		Analyzed: 3/28	/2016		
Arsenic	101.584	1.0	125.000	2.24993	79.5	57 - 109	0.730	20	
Lead	100.162	1.0	125.000	8.11948	73.6	35 - 129	2.48	20	



Leighton Consulting, Inc.Project Number :Colfax ES, 603378.00517781 Cowan StreetReport To :Julie HarrimanIrvine , CA 92614Reported :03/30/2016

	Result	PQL	Spike	Source	0/ D	% Rec	DDD	RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0688 - EPA 3050B_S									
Blank (B6C0688-BLK1)				Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
LCS (B6C0688-BS1)				Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	44.0219	1.0	50.0000		88.0	80 - 120			
Lead	45.4309	1.0	50.0000		90.9	80 - 120			
Matrix Spike (B6C0688-MS1)		Source: 1601	094-61	Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	98.0554	1.0	125.000	2.40841	76.5	57 - 109			
Lead	95.0584	1.0	125.000	4.28137	72.6	35 - 129			
Matrix Spike Dup (B6C0688-MSD1)		Source: 1601	094-61	Prepared	: 3/25/2016	Analyzed: 3/28	/2016		
Arsenic	98.0651	1.0	125.000	2.40841	76.5	57 - 109	0.00994	20	
Lead	96.2935	1.0	125.000	4.28137	73.6	35 - 129	1.29	20	



Project Number: Colfax ES, 603378.005 Leighton Consulting, Inc. 17781 Cowan Street Report To: Julie Harriman Irvine, CA 92614 Reported : 03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/L)	(mg/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0668 - EPA 3010A_W									
Blank (B6C0668-BLK1)				Prepared:	3/24/2016 A	Analyzed: 3/25/	2016		
Antimony	ND	0.010			NR				
Arsenic	ND	0.010			NR				
Barium	ND	0.0030			NR				
Beryllium	ND	0.0030			NR				
Cadmium	ND	0.0030			NR				
Chromium	ND	0.0030			NR				
Cobalt	ND	0.0030			NR				
Copper	ND	0.0090			NR				
Lead	ND	0.0050			NR				
Molybdenum	ND	0.0050			NR				
Nickel	ND	0.0050			NR				
Selenium	ND	0.010			NR				
Silver	ND	0.0030			NR				
Thallium	ND	0.015			NR				
Vanadium	ND	0.0030			NR				
Zinc	ND	0.025			NR				
LCS (B6C0668-BS1)				Prepared:	3/24/2016 A	Analyzed: 3/25/	2016		
Antimony	0.909845	0.010	1.00000		91.0	80 - 120			
Arsenic	0.906718	0.010	1.00000		90.7	80 - 120			
Barium	0.953762	0.0030	1.00000		95.4	80 - 120			
Beryllium	0.940405	0.0030	1.00000		94.0	80 - 120			
Cadmium	0.937879	0.0030	1.00000		93.8	80 - 120			
Chromium	0.938556	0.0030	1.00000		93.9	80 - 120			
Cobalt	0.924580	0.0030	1.00000		92.5	80 - 120			
Copper	0.945937	0.0090	1.00000		94.6	80 - 120			
Lead	0.934536	0.0050	1.00000		93.5	80 - 120			
Molybdenum	0.916794	0.0050	1.00000		91.7	80 - 120			
Nickel	0.933174	0.0050	1.00000		93.3	80 - 120			
Selenium	0.985894	0.010	1.00000		98.6	80 - 120			
Silver	0.978478	0.0030	1.00000		97.8	80 - 120			
Thallium	0.934307	0.015	1.00000		93.4	80 - 120			
Vanadium	0.913401	0.0030	1.00000		91.3	80 - 120			
Zine	0.938657	0.025	1.00000		93.9	80 - 120			
Matrix Spike (B6C0668-MS1)		Source: 1601	081-01	Prepared:	3/24/2016 A	Analyzed: 3/25/	/2016		
Antimony	2.24627	0.010	2.50000	ND	89.9	71 - 129			
Arsenic	2.20822	0.010	2.50000	ND	88.3	80 - 128			
Barium	2.32840	0.0030	2.50000	0.000534	93.1	77 - 124			
Beryllium	2.36567	0.0030	2.50000	ND	94.6	88 - 116			
-			2.50000						
Cadmium	2.25184	0.0030	2.30000	ND	90.1	83 - 116			



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614 Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 03/30/2016

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/L)	(mg/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Datab DCC0CC0 EDA 2010 A W/	ed)								
Batch B6C0668 - EPA 3010A_W (continu	ieu)								
Matrix Spike (B6C0668-MS1) - Continued		Source: 1601	081-01	Prepared:	3/24/2016	Analyzed: 3/25	/2016		
Cobalt	2.24065	0.0030	2.50000	ND	89.6	83 - 117			
Copper	2.29431	0.0090	2.50000	ND	91.8	87 - 121			
Lead	2.24579	0.0050	2.50000	ND	89.8	85 - 114			
Molybdenum	2.06701	0.0050	2.50000	ND	82.7	81 - 117			
Nickel	2.22392	0.0050	2.50000	ND	89.0	76 - 121			
Selenium	2.38172	0.010	2.50000	ND	95.3	77 - 125			
Silver	2.39165	0.0030	2.50000	ND	95.7	77 - 129			
Fhallium	2.25223	0.015	2.50000	ND	90.1	51 - 140			
Vanadium	2.20739	0.0030	2.50000	ND	88.3	86 - 120			
Zinc	2.27194	0.025	2.50000	ND	90.9	75 - 123			
Matrix Spike Dup (B6C0668-MSD1)		Source: 1601	081-01	Prepared:	3/24/2016	Analyzed: 3/25	/2016		
Antimony	2.25574	0.010	2.50000	ND	90.2	71 - 129	0.421	20	
Arsenic	2.20409	0.010	2.50000	ND	88.2	80 - 128	0.187	20	
Barium	2.35598	0.0030	2.50000	0.000534	94.2	77 - 124	1.18	20	
Beryllium	2.37818	0.0030	2.50000	ND	95.1	88 - 116	0.527	20	
Cadmium	2.27595	0.0030	2.50000	ND	91.0	83 - 116	1.07	20	
Chromium	2.30832	0.0030	2.50000	ND	92.3	86 - 116	1.06	20	
Cobalt	2.26685	0.0030	2.50000	ND	90.7	83 - 117	1.16	20	
Copper	2.32798	0.0090	2.50000	ND	93.1	87 - 121	1.46	20	
Lead	2.23842	0.0050	2.50000	ND	89.5	85 - 114	0.329	20	
Molybdenum	2.09192	0.0050	2.50000	ND	83.7	81 - 117	1.20	20	
Nickel	2.24806	0.0050	2.50000	ND	89.9	76 - 121	1.08	20	
Selenium	2.38360	0.010	2.50000	ND	95.3	77 - 125	0.0793	20	
Silver	2.41932	0.0030	2.50000	ND	96.8	77 - 129	1.15	20	
Fhallium	2.25218	0.015	2.50000	ND	90.1	51 - 140	0.00199	20	
Vanadium	2.21850	0.0030	2.50000	ND	88.7	86 - 120	0.502	20	
line	2.29808	0.025	2.50000	ND	91.9	75 - 123	1.14	20	



Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
nalyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0700 - EPA 3050B_S									
Blank (B6C0700-BLK1)				Prepared:	3/25/2016 A	Analyzed: 3/25/	/2016		
ntimony	ND	2.0			NR				
rsenic	ND	1.0			NR				
arium	ND	1.0			NR				
eryllium	ND	1.0			NR				
admium	ND	1.0			NR				
hromium	ND	1.0			NR				
obalt	ND	1.0			NR				
opper	ND	2.0			NR				
ead	ND	1.0			NR				
olybdenum	ND	1.0			NR				
ickel	ND	1.0			NR				
elenium	ND	1.0			NR				
lver	ND	1.0			NR				
nallium	ND	1.0			NR				
anadium	ND	1.0			NR				
nc	ND	1.0			NR				
LCS (B6C0700-BS1)				Prepared:	3/25/2016 A	Analyzed: 3/25/	/2016		
ntimony	44.8134	2.0	50.0000		89.6	80 - 120			
rsenic	45.5995	1.0	50.0000		91.2	80 - 120			
arium	48.7754	1.0	50.0000		97.6	80 - 120			
eryllium	48.0159	1.0	50.0000		96.0	80 - 120			
admium	46.5928	1.0	50.0000		93.2	80 - 120			
hromium	45.0397	1.0	50.0000		90.1	80 - 120			
obalt	47.3249	1.0	50.0000		94.6	80 - 120			
opper	48.1543	2.0	50.0000		96.3	80 - 120			
ead	47.2206	1.0	50.0000		94.4	80 - 120			
olybdenum	47.1620	1.0	50.0000		94.3	80 - 120			
ickel	46.6257	1.0	50.0000		93.3	80 - 120			
elenium	45.1327	1.0	50.0000		90.3	80 - 120			
lver	47.3677	1.0	50.0000		94.7	80 - 120			
nallium	47.1676	1.0	50.0000		94.3	80 - 120			
anadium	48.4032	1.0	50.0000		96.8	80 - 120			
nc	46.1204	1.0	50.0000		92.2	80 - 120			
Matrix Spike (B6C0700-MS1)		Source: 1601	080-01	Prepared:	3/25/2016 A	Analyzed: 3/25/	/2016		
ntimony	85.9726	2.0	125.000	ND	68.8	28 - 106			
rsenic	106.051	1.0	125.000	9.32119	77.4	57 - 109			
arium	197.934	1.0	125.000	93.3776	83.6	18 - 159			
#11U111									
eryllium	101.476	1.0	125.000	0.345241	80.9	61 - 107			
	101.476 96.5223	1.0 1.0	125.000 125.000	0.345241 0.432157	80.9 76.9	61 - 107 53 - 104			



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614 Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
	•								
Batch B6C0700 - EPA 3050B_S (continue	ed)								
Matrix Spike (B6C0700-MS1) - Continued		Source: 1601	080-01	Prepared	3/25/2016	2016			
Cobalt	103.946	1.0	125.000	7.51142	77.1	55 - 109			
Copper	134.200	2.0	125.000	24.8980	87.4	58 - 124			
Lead	98.7131	1.0	125.000	4.31812	75.5	35 - 129			
Molybdenum	94.6432	1.0	125.000	1.51914	74.5	57 - 108			
Nickel	120.092	1.0	125.000	24.6981	76.3	44 - 122			
Selenium	94.0954	1.0	125.000	ND	75.3	54 - 104			
Silver	101.373	1.0	125.000	ND	81.1	60 - 112			
Thallium	92.5590	1.0	125.000	ND	74.0	50 - 103			
Vanadium	155.186	1.0	125.000	49.4105	84.6	54 - 123			
Zinc	148.150	1.0	125.000	51.8573	77.0	29 - 132			
Matrix Spike Dup (B6C0700-MSD1)		Source: 1601	080-01	Prepared	3/25/2016	Analyzed: 3/25/	2016		
Antimony	89.6554	2.0	125.000	ND	71.7	28 - 106	4.19	20	
Arsenic	107.913	1.0	125.000	9.32119	78.9	57 - 109	1.74	20	
Barium	196.179	1.0	125.000	93.3776	82.2	18 - 159	0.891	20	
Beryllium	101.342	1.0	125.000	0.345241	80.8	61 - 107	0.132	20	
Cadmium	97.3354	1.0	125.000	0.432157	77.5	53 - 104	0.839	20	
Chromium	146.932	1.0	125.000	54.0723	74.3	53 - 121	0.879	20	
Cobalt	104.792	1.0	125.000	7.51142	77.8	55 - 109	0.810	20	
Copper	134.906	2.0	125.000	24.8980	88.0	58 - 124	0.524	20	
Lead	100.410	1.0	125.000	4.31812	76.9	35 - 129	1.70	20	
Molybdenum	96.1710	1.0	125.000	1.51914	75.7	57 - 108	1.60	20	
Nickel	120.368	1.0	125.000	24.6981	76.5	44 - 122	0.230	20	
Selenium	96.7020	1.0	125.000	ND	77.4	54 - 104	2.73	20	
Silver	101.773	1.0	125.000	ND	81.4	60 - 112	0.394	20	
Thallium	93.9474	1.0	125.000	ND	75.2	50 - 103	1.49	20	
Vanadium	154.157	1.0	125.000	49.4105	83.8	54 - 123	0.666	20	
Zinc	149.056	1.0	125.000	51.8573	77.8	29 - 132	0.610	20	



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614 Project Number : Colfax ES, 603378.005 Report To : Julie Harriman Reported : 03/30/2016

Mercury by AA (Cold Vapor) EPA 7470A - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/L)	(ug/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0770 - EPA 245.1/7470_W									
Blank (B6C0770-BLK1)				Prepared	d: 3/29/2016	Analyzed: 3/29	/2016		
Mercury	ND	0.20			NR				
LCS (B6C0770-BS1)				Prepared	d: 3/29/2016	Analyzed: 3/29	/2016		
Mercury	10.5610	0.20	10.0000		106	80 - 120			
Matrix Spike (B6C0770-MS1)		Source: 1601	094-90	Prepareo	d: 3/29/2016	/2016			
Mercury	10.2731	0.20	10.0000	ND	103	70 - 130			
Matrix Spike Dup (B6C0770-MSD1)		Source: 1601	094-90	Prepareo	d: 3/29/2016	Analyzed: 3/29	2016		
Mercury	10.7992	0.20	10.0000	ND	108	70 - 130	4.99	20	
Post Spike (B6C0770-PS1)		Source: 1601	094-90	Prepared	d: 3/29/2016	2016			
Mercury	5.37960		5.00000	ND	107	85 - 115			



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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6C0701 - EPA 7471_S									
Blank (B6C0701-BLK1)				Prepared	3/25/2016	Analyzed: 3/28/	2016		
Mercury	ND	0.10			NR				
LCS (B6C0701-BS1)				Prepared	3/25/2016	Analyzed: 3/28/	2016		
Mercury	0.870482	0.10	0.833333		104	80 - 120			
Matrix Spike (B6C0701-MS1)		Source: 160	1080-01	Prepared	3/25/2016	2016			
Mercury	0.946022	0.10	0.833333	0.027815	110	70 - 130			
Matrix Spike Dup (B6C0701-MSD1)		Source: 160	1080-01	Prepared	3/25/2016	Analyzed: 3/28/	2016		
Mercury	0.913722	0.10	0.833333	0.027815	106	70 - 130	3.47	20	
Post Spike (B6C0701-PS1)		Source: 160	1080-01	Prepared: 3/25/2016 Analyzed: 3/28/2016			2016		
Mercury	0.006381		5.00000E-3	ND	121	85 - 115			M1



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Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0656 - GCVOA_S									
Blank (B6C0656-BLK1)				Preparec	d: 3/23/2016	Analyzed: 3/23	/2016		
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	0.2022		0.199892		101	37 - 153			
LCS (B6C0656-BS1)				Preparec	d: 3/23/2016	Analyzed: 3/23	/2016		
Gasoline Range Organics	4.35100	1.0	5.00000		87.0	70 - 130			
Surrogate: 4-Bromofluorobenzene	0.2022		0.199892		101	37 - 153			
Duplicate (B6C0656-DUP1)	Source: 1601052-06			Prepared: 3/23/2016 Analyzed: 3/23/2016					
Gasoline Range Organics	ND	1.0		ND	NR			20	
Surrogate: 4-Bromofluorobenzene	0.2109		0.199892		106	37 - 153			
Matrix Spike (B6C0656-MS1)		Source: 1601080-01		Prepared: 3/23/2016 Analyzed: 3/23/2016			/2016		
Gasoline Range Organics	4.02100	1.0	5.00000	ND	80.4	20 - 130			
Surrogate: 4-Bromofluorobenzene	0.1970		0.199892		98.6	37 - 153			
Matrix Spike Dup (B6C0656-MSD1)		Source: 1601080-01		Prepared: 3/23/2016 Analyzed: 3/23/2016			/2016		
Gasoline Range Organics	4.04300	1.0	5.00000	ND	80.9	20 - 130	0.546	20	
Surrogate: 4-Bromofluorobenzene	0.1977		0.199892		98.9	37 - 153			



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Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD		
Analyte	(mg/L)	(mg/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes	
Batch B6C0765 - GCVOA_W										
Blank (B6C0765-BLK1)		Prepared: 3/28/2016 Analyzed: 3/28/2016								
Gasoline Range Organics	ND	0.05			NR					
Surrogate: 4-Bromofluorobenzene	0.09653		9.99460E-2		96.6	70 - 130				
LCS (B6C0765-BS2)		Prepared: 3/29/2016 Analyzed: 3/29/2016								
Gasoline Range Organics	0.892000	0.05	1.00000		89.2	70 - 130				
Surrogate: 4-Bromofluorobenzene	0.1096		9.99460E-2		110	70 - 130				
LCS Dup (B6C0765-BSD2)	Prepared: 3/29/2016 Analyzed: 3/29/2016									
Gasoline Range Organics	0.924000	0.05	1.00000		92.4	70 - 130	3.52	20		
Surrogate: 4-Bromofluorobenzene	0.1073		9.99460E-2		107	70 - 130				



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Diesel Range Organics by EPA 8015B - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0642 - GCSEMI_DRO_LL_S									
Blank (B6C0642-BLK1)	Prepared: 3/23/2016 Analyzed: 3/23/2016								
DRO	ND	1.0			NR				
ORO	ND	1.0			NR				
Surrogate: p-Terphenyl	2.639		2.66667		99.0	26 - 123			
LCS (B6C0642-BS1)		Prepared: 3/23/2016 Analyzed: 3/23/2016							
DRO	19.4897	1.0	33.3333		58.5	47 - 127			
Surrogate: p-Terphenyl	2.371		2.66667		88.9	26 - 123			
Duplicate (B6C0642-DUP1)		Source: 1601038-35		Prepared	Prepared: 3/23/2016 Analyzed: 3/23/2016				
DRO	ND	1.0		ND	NR			20	
Surrogate: p-Terphenyl	2.465		2.66667		92.4	26 - 123			
Matrix Spike (B6C0642-MS1)		Source: 1601038-35		Prepared	Prepared: 3/23/2016 Analyzed: 3/23/2016				
DRO	23.0857	1.0	33.3333	ND	69.3	16 - 123			
Surrogate: p-Terphenyl	2.628		2.66667		98.5	26 - 123			
Matrix Spike Dup (B6C0642-MSD1)		Source: 1601038-35		Prepared	Prepared: 3/23/2016 Analyzed: 3/23/2016				
DRO	22.4903	1.0	33.3333	ND	67.5	16 - 123	2.61	20	
Surrogate: p-Terphenyl	2.529		2.66667		94.8	26 - 123			



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Diesel Range Organics by EPA 8015B - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/L)	(mg/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0747 - GCSEMI_DRO_W									
Blank (B6C0747-BLK1)				Prepare	d: 3/28/2016	Analyzed: 3/28/	/2016		
DRO	ND	0.05			NR				
ORO	ND	0.05			NR				
Surrogate: p-Terphenyl	0.08985		8.00000E-2		112	20 - 141			
LCS (B6C0747-BS1)				Prepare	d: 3/28/2016	Analyzed: 3/28/	/2016		
DRO	0.607200	0.05	1.00000		60.7	29 - 135			
Surrogate: p-Terphenyl	0.09022		8.00000E-2		113	20 - 141			
LCS Dup (B6C0747-BSD1)				Prepare	d: 3/28/2016	Analyzed: 3/28/	/2016		
DRO	0.602070	0.05	1.00000		60.2	29 - 135	0.848	20	
Surrogate: p-Terphenyl	0.09061		8.00000E-2		113	20 - 141			



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	sult	PQL	Spike	Source		% Rec		RPD	
(45		ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0725 - GCSEMI_PCB/PEST_S									
Blank (B6C0725-BLK1)				Prepared	: 3/27/2016 A	nalyzed: 3/29/	2016		
4,4'-DDD N	D	2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		1.0			NR				
		1.0			NR				
		1.0			NR				
*	ID	1.0			NR				
	D	1.0			NR				
alpha-Chlordane [2C] N		1.0			NR				
beta-BHC N	D	1.0			NR				
beta-BHC [2C] N	D	1.0			NR				
Chlordane N		8.5			NR				
Chlordane [2C] N	ID	8.5			NR				
delta-BHC N	D	1.0			NR				
delta-BHC [2C] N		1.0			NR				
		2.0			NR				
Dieldrin [2C] N		2.0			NR				
		1.0			NR				
		1.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
		2.0			NR				
-		1.0			NR				
		1.0			NR				
-		1.0			NR				
		1.0			NR				
-		1.0			NR				
		1.0			NR				
		1.0			NR				
		1.0			NR				
Methoxychlor N	D	5.0			NR				



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0725 - GCSEMI_PCB/PES	T_S (continued)								
Blank (B6C0725-BLK1) - Continued				Preparec	l: 3/27/2016	Analyzed: 3/29/	2016		
Aethoxychlor [2C]	ND	5.0			NR				
òxaphene	ND	50			NR				
oxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	13.76		16.6667		82.6	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.40		16.6667		80.4	16 - 137			
Surrogate: Tetrachloro-m-xylene	14.64		16.6667		87.9	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.98		16.6667		83.9	16 - 105			
LCS (B6C0725-BS1)				Prepared	l: 3/27/2016	Analyzed: 3/29/	2016		
4′-DDD	16.5510	2.0	16.6667	-	99.3	58 - 100			
,4'-DDD [2C]	16.8493	2.0	16.6667		101	58 - 100 58 - 100			L3
4'-DDE	15.0978	2.0	16.6667		90.6	65 - 99			20
4′-DDE [2C]	15.1318	2.0	16.6667		90.8	65 - 99			
4′-DDT	11.0020	2.0	16.6667		66.0	39 - 116			
4′-DDT [2C]	13.0330	2.0	16.6667		78.2	39 - 116			
ldrin	15.2783	1.0	16.6667		91.7	57 - 94			
Idrin [2C]	14.8210	1.0	16.6667		88.9	57 - 94			
pha-BHC	15.2095	1.0	16.6667		91.3	58 - 84			L3
pha-BHC [2C]	14.8592	1.0	16.6667		89.2	58 - 84			L3
pha-Chlordane	14.9997	1.0	16.6667		90.0	58 - 96			
pha-Chlordane [2C]	14.5435	1.0	16.6667		87.3	58 - 96			
eta-BHC	14.9093	1.0	16.6667		89.5	58 - 87			L3
eta-BHC [2C]	14.2153	1.0	16.6667		85.3	58 - 87			
elta-BHC	15.4705	1.0	16.6667		92.8	18 - 75			L3
elta-BHC [2C]	14.7953	1.0	16.6667		88.8	18 - 75			L3
ieldrin	15.1553	2.0	16.6667		90.9	62 - 94			
ieldrin [2C]	15.1308	2.0	16.6667		90.8	62 - 94			
ndosulfan I	14.9278	1.0	16.6667		89.6	58 - 90			
ndosulfan I [2C]	14.3688	1.0	16.6667		86.2	58 - 90			
ndosulfan II	14.5800	2.0	16.6667		87.5	63 - 95			
ndosulfan II [2C]	14.0895	2.0	16.6667		84.5	63 - 95			
ndosulfan sulfate	15.4387	2.0	16.6667		92.6	59 - 89			L3
ndosulfan Sulfate [2C]	13.5283	2.0	16.6667		81.2	59 - 89			
ndrin	14.8665	2.0	16.6667		89.2	64 - 96			
ndrin [2C]	15.2125	2.0	16.6667		91.3	64 - 96			
ndrin aldehyde	16.2490	2.0	16.6667		97.5	65 - 95			L3
ndrin aldehyde [2C]	15.4240	2.0	16.6667		92.5	65 - 95			
ndrin ketone	13.9963	2.0	16.6667		84.0	59 - 101			
ndrin ketone [2C]	13.7023	2.0	16.6667		82.2	59 - 101			
amma-BHC	15.6027	1.0	16.6667		93.6	63 - 89			L3
amma-BHC [2C]	15.2092	1.0	16.6667		91.3	63 - 89			L3



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0725 - GCSEMI_PCB/PES	T_S (continued)							
LCS (B6C0725-BS1) - Continued				Prepare	d: 3/27/2016 A	Analyzed: 3/29	/2016		
gamma-Chlordane	14.7565	1.0	16.6667		88.5	61 - 95			
gamma-Chlordane [2C]	14.5133	1.0	16.6667		87.1	61 - 95			
Heptachlor	15.8412	1.0	16.6667		95.0	65 - 102			
Heptachlor [2C]	14.7165	1.0	16.6667		88.3	65 - 102			
Heptachlor epoxide	15.1325	1.0	16.6667		90.8	61 - 95			
Heptachlor epoxide [2C]	14.4127	1.0	16.6667		86.5	61 - 95			
Methoxychlor	13.6562	5.0	16.6667		81.9	29 - 128			
Methoxychlor [2C]	14.8580	5.0	16.6667		89.1	29 - 128			
Surrogate: Decachlorobiphenyl	14.11		16.6667		84.6	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.38		16.6667		80.3	16 - 137			
Surrogate: Tetrachloro-m-xylene	14.52		16.6667		87.1	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	14.04		16.6667		84.2	16 - 105			
Matrix Spike (B6C0725-MS1)		Source: 1601094-27 Prepared: 3/27/2016 Analyzed: 3/29/2016							
4,4´-DDD	12.9733	2.0	16.6667	ND	77.8	27 - 123			
4,4'-DDD [2C]	14.3785	2.0	16.6667	ND	86.3	27 - 123			
4,4'-DDE	11.9485	2.0	16.6667	ND	71.7	28 - 126			
4,4'-DDE [2C]	12.4390	2.0	16.6667	ND	74.6	28 - 126			
4,4′-DDT	6.37767	2.0	16.6667	ND	38.3	12 - 149			
4,4'-DDT [2C]	10.7192	2.0	16.6667	ND	64.3	12 - 149			
Aldrin	11.3228	1.0	16.6667	ND	67.9	29 - 116			
Aldrin [2C]	11.8035	1.0	16.6667	ND	70.8	29 - 116			
alpha-BHC	11.2017	1.0	16.6667	ND	67.2	27 - 104			
alpha-BHC [2C]	11.4963	1.0	16.6667	ND	69.0	27 - 104			
alpha-Chlordane	11.7135	1.0	16.6667	ND	70.3	14 - 130			
alpha-Chlordane [2C]	11.8467	1.0	16.6667	ND	71.1	14 - 130			
beta-BHC	11.4537	1.0	16.6667	ND	68.7	20 - 115			
beta-BHC [2C]	11.5293	1.0	16.6667	ND	69.2	20 - 115			
delta-BHC	8.83483	1.0	16.6667	ND	53.0	8 - 78			
delta-BHC [2C]	8.40833	1.0	16.6667	ND	50.4	8 - 78			
Dieldrin	11.7538	2.0	16.6667	ND	70.5	20 - 134			
Dieldrin [2C]	12.3932	2.0	16.6667	ND	74.4	20 - 134			
Endosulfan I	10.3893	1.0	16.6667	ND	62.3	27 - 114			
Endosulfan I [2C]	11.5417	1.0	16.6667	ND	69.3	27 - 114			
Endosulfan II	11.2153	2.0	16.6667	ND	67.3	16 - 125			
Endosulfan II [2C]	11.6792	2.0	16.6667	ND	70.1	16 - 125			
Endosulfan sulfate	11.4212	2.0	16.6667	ND	68.5	1 - 126			
Endosulfan Sulfate [2C]	10.0813	2.0	16.6667	ND	60.5	1 - 126			
Endrin	11.7628	2.0	16.6667	ND	70.6	33 - 122			
Endrin [2C]	12.8378	2.0	16.6667	ND	77.0	33 - 122			
Endrin aldehyde	11.9617	2.0	16.6667	ND	71.8	0 - 137			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0725 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0725-MS1) - Continued		Source: 160	1094-27	Prepared	l: 3/27/2016.	Analyzed: 3/29/	2016		
Endrin aldehyde [2C]	8.25850	2.0	16.6667	ND	49.6	0 - 137			
Endrin ketone	10.9890	2.0	16.6667	ND	65.9	10 - 126			
Endrin ketone [2C]	10.9667	2.0	16.6667	ND	65.8	10 - 126			
gamma-BHC	11.7742	1.0	16.6667	ND	70.6	30 - 111			
gamma-BHC [2C]	11.9593	1.0	16.6667	ND	71.8	30 - 111			
gamma-Chlordane	11.4287	1.0	16.6667	ND	68.6	16 - 130			
gamma-Chlordane [2C]	11.8292	1.0	16.6667	ND	71.0	16 - 130			
Heptachlor	12.0853	1.0	16.6667	ND	72.5	34 - 127			
Heptachlor [2C]	11.6660	1.0	16.6667	ND	70.0	34 - 127			
Heptachlor epoxide	11.6240	1.0	16.6667	ND	69.7	19 - 130			
Heptachlor epoxide [2C]	11.5682	1.0	16.6667	ND	69.4	19 - 130			
Methoxychlor	11.1465	5.0	16.6667	ND	66.9	16 - 153			
Methoxychlor [2C]	13.1042	5.0	16.6667	ND	78.6	16 - 153			
Surrogate: Decachlorobiphenyl	11.43		16.6667		68.6	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	11.51		16.6667		69.0	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.43		16.6667		68.6	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.77		16.6667		70.6	16 - 105			
Matrix Spike Dup (B6C0725-MSD1)		Source: 160	1094-27	Prepared	1: 3/27/2016	Analyzed: 3/29/	2016		
4,4′-DDD	12.5310	2.0	16.6667	ND	75.2	27 - 123	3.47	20	
4,4'-DDD [2C]	13.0210	2.0	16.6667	ND	78.1	27 - 123	9.91	20	
4,4'-DDE	11.6262	2.0	16.6667	ND	69.8	28 - 126	2.73	20	
4,4'-DDE [2C]	11.3388	2.0	16.6667	ND	68.0	28 - 126	9.25	20	
4,4'-DDT	5.94200	2.0	16.6667	ND	35.7	12 - 149	7.07	20	
4,4'-DDT [2C]	10.1277	2.0	16.6667	ND	60.8	12 - 149	5.67	20	
Aldrin	10.9560	1.0	16.6667	ND	65.7	29 - 116	3.29	20	
Aldrin [2C]	11.0395	1.0	16.6667	ND	66.2	29 - 116	6.69	20	
alpha-BHC	10.8540	1.0	16.6667	ND	65.1	27 - 104	3.15	20	
alpha-BHC [2C]	10.7868	1.0	16.6667	ND	64.7	27 - 104	6.37	20	
alpha-Chlordane	11.5575	1.0	16.6667	ND	69.3	14 - 130	1.34	20	
alpha-Chlordane [2C]	10.9048	1.0	16.6667	ND	65.4	14 - 130	8.28	20	
beta-BHC	11.1487	1.0	16.6667	ND	66.9	20 - 115	2.70	20	
beta-BHC [2C]	10.8590	1.0	16.6667	ND	65.2	20 - 115	5.99	20	
delta-BHC	8.63950	1.0	16.6667	ND	51.8	8 - 78	2.24	20	
delta-BHC [2C]	7.88800	1.0	16.6667	ND	47.3	8 - 78	6.39	20	
Dieldrin	11.4380	2.0	16.6667	ND	68.6	20 - 134	2.72	20	
Dieldrin [2C]	11.3023	2.0	16.6667	ND	67.8	20 - 134	9.21	20	
Endosulfan I	10.1275	1.0	16.6667	ND	60.8	27 - 114	2.55	20	
Endosulfan I [2C]	10.5145	1.0	16.6667	ND	63.1	27 - 114	9.31	20	
Endosulfan II	10.9470	2.0	16.6667	ND	65.7	16 - 125	2.42	20	
Endosulfan II [2C]	10.7213	2.0	16.6667	ND	64.3	16 - 125	8.55	20	



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Irvine , CA 92614	Reported :	03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0725 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0725-MSD1) - Continued		Source: 1601094-27		Preparec				
Endosulfan sulfate	11.0498	2.0	16.6667	ND	66.3	1 - 126	3.31	20
Endosulfan Sulfate [2C]	9.51017	2.0	16.6667	ND	57.1	1 - 126	5.83	20
Endrin	11.5287	2.0	16.6667	ND	69.2	33 - 122	2.01	20
Endrin [2C]	11.7683	2.0	16.6667	ND	70.6	33 - 122	8.69	20
Endrin aldehyde	11.4608	2.0	16.6667	ND	68.8	0 - 137	4.28	20
Endrin aldehyde [2C]	7.32500	2.0	16.6667	ND	43.9	0 - 137	12.0	20
Endrin ketone	10.7040	2.0	16.6667	ND	64.2	10 - 126	2.63	20
Endrin ketone [2C]	10.5095	2.0	16.6667	ND	63.1	10 - 126	4.26	20
gamma-BHC	11.4268	1.0	16.6667	ND	68.6	30 - 111	2.99	20
gamma-BHC [2C]	11.2157	1.0	16.6667	ND	67.3	30 - 111	6.42	20
gamma-Chlordane	11.1348	1.0	16.6667	ND	66.8	16 - 130	2.60	20
gamma-Chlordane [2C]	10.8742	1.0	16.6667	ND	65.2	16 - 130	8.41	20
Heptachlor	11.7817	1.0	16.6667	ND	70.7	34 - 127	2.54	20
Heptachlor [2C]	10.9855	1.0	16.6667	ND	65.9	34 - 127	6.01	20
Heptachlor epoxide	11.3017	1.0	16.6667	ND	67.8	19 - 130	2.81	20
Heptachlor epoxide [2C]	10.6747	1.0	16.6667	ND	64.0	19 - 130	8.03	20
Methoxychlor	11.1302	5.0	16.6667	ND	66.8	16 - 153	0.147	20
Methoxychlor [2C]	12.2778	5.0	16.6667	ND	73.7	16 - 153	6.51	20
Surrogate: Decachlorobiphenyl	11.26		16.6667		67.6	16 - 137		
Surrogate: Decachlorobiphenyl [2C]	10.35		16.6667		62.1	16 - 137		
Surrogate: Tetrachloro-m-xylene	11.08		16.6667		66.5	16 - 105		
Surrogate: Tetrachloro-m-xylene [2C]	11.11		16.6667		66.6	16 - 105		



	Certificate of Analysis
Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
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Irvine , CA 92614	Reported : 03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0726 - GCSEMI_PCB/PEST_S									
Blank (B6C0726-BLK1)				Prepared	ł: 3/27/2016 A	nalyzed: 3/28/	2016		
4,4′-DDD	ND	2.0			NR				
4,4'-DDD [2C]	ND	2.0			NR				
4,4'-DDE	ND	2.0			NR				
4,4'-DDE [2C]	ND	2.0			NR				
4,4'-DDT	ND	2.0			NR				
4,4'-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



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Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
17781 Cowan Street	Report To :	Julie Harriman
Irvine , CA 92614	Reported :	03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0726 - GCSEMI_PCB/PES	T_S (continued)								
Blank (B6C0726-BLK1) - Continued				Preparec	l: 3/27/2016	Analyzed: 3/28/	/2016		
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Foxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	14.81		16.6667		88.8	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.91		16.6667		83.5	16 - 137			
Surrogate: Tetrachloro-m-xylene	14.93		16.6667		89.6	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.78		16.6667		82.7	16 - 105			
LCS (B6C0726-BS1)				Prepared	l: 3/27/2016	Analyzed: 3/28/	2016		
,4'-DDD	15.8080	2.0	16.6667	1	94.8	58 - 100			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15.5057	2.0	16.6667		94.8 93.0	58 - 100 58 - 100			
,4 -DDD [2C] ,4 -DDE	15.1845	2.0	16.6667		93.0 91.1	65 - 99			
,4´-DDE [2C]	14.5942	2.0	16.6667		87.6	65 - 99			
,4′-DDT	5.80683	2.0	16.6667		34.8	39 - 116			L4
,4'-DDT [2C]	13.4567	2.0	16.6667		80.7	39 - 116			LT
Aldrin	15.1842	1.0	16.6667		91.1	57 - 94			
Idrin [2C]	14.1570	1.0	16.6667		84.9	57 - 94			
lpha-BHC	15.1928	1.0	16.6667		91.2	58 - 84			L3
lpha-BHC [2C]	14.2822	1.0	16.6667		85.7	58 - 84			L3
lpha-Chlordane	15.0050	1.0	16.6667		90.0	58 - 96			25
lpha-Chlordane [2C]	13.8513	1.0	16.6667		83.1	58 - 96			
eta-BHC	15.4365	1.0	16.6667		92.6	58 - 87			L3
eta-BHC [2C]	13.4785	1.0	16.6667		80.9	58 - 87			20
elta-BHC	16.3865	1.0	16.6667		98.3	18 - 75			L3
elta-BHC [2C]	14.7497	1.0	16.6667		88.5	18 - 75			L3
Dieldrin	15.4120	2.0	16.6667		92.5	62 - 94			
Dieldrin [2C]	14.6562	2.0	16.6667		87.9	62 - 94			
Endosulfan I	14.7710	1.0	16.6667		88.6	58 - 90			
Endosulfan I [2C]	13.7808	1.0	16.6667		82.7	58 - 90			
Endosulfan II	15.2528	2.0	16.6667		91.5	63 - 95			
Endosulfan II [2C]	14.0780	2.0	16.6667		84.5	63 - 95			
Endosulfan sulfate	16.4313	2.0	16.6667		98.6	59 - 89			L3
Endosulfan Sulfate [2C]	14.3300	2.0	16.6667		86.0	59 - 89			
Endrin	15.3943	2.0	16.6667		92.4	64 - 96			
Endrin [2C]	15.3728	2.0	16.6667		92.2	64 - 96			
Endrin aldehyde	16.8385	2.0	16.6667		101	65 - 95			L3
Endrin aldehyde [2C]	15.7000	2.0	16.6667		94.2	65 - 95			
Endrin ketone	13.3237	2.0	16.6667		79.9	59 - 101			
Endrin ketone [2C]	14.1548	2.0	16.6667		84.9	59 - 101			
amma-BHC	15.0293	1.0	16.6667		90.2	63 - 89			L3
amma-BHC [2C]	14.4578	1.0	16.6667		86.7	63 - 89			



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0726 - GCSEMI_PCB/PES	T_S (continued)							
LCS (B6C0726-BS1) - Continued				Prepareo	d: 3/27/2016 A	Analyzed: 3/28	/2016		
gamma-Chlordane	14.6682	1.0	16.6667		88.0	61 - 95			
gamma-Chlordane [2C]	13.7735	1.0	16.6667		82.6	61 - 95			
Heptachlor	13.0212	1.0	16.6667		78.1	65 - 102			
Heptachlor [2C]	13.6620	1.0	16.6667		82.0	65 - 102			
Heptachlor epoxide	15.2175	1.0	16.6667		91.3	61 - 95			
Heptachlor epoxide [2C]	13.7792	1.0	16.6667		82.7	61 - 95			
Methoxychlor	8.74400	5.0	16.6667		52.5	29 - 128			
Methoxychlor [2C]	14.9708	5.0	16.6667		89.8	29 - 128			
Surrogate: Decachlorobiphenyl	14.18		16.6667		85.1	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	12.91		16.6667		77.4	16 - 137			
Surrogate: Tetrachloro-m-xylene	14.45		16.6667		86.7	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.33		16.6667		80.0	16 - 105			
Matrix Spike (B6C0726-MS1)		Source: 1601	094-51	Prepareo	d: 3/27/2016 A	Analyzed: 3/28	/2016		
4,4′-DDD	12.4737	2.0	16.6667	ND	74.8	27 - 123			
4,4'-DDD [2C]	12.5663	2.0	16.6667	ND	75.4	27 - 123			
4,4′-DDE	12.0525	2.0	16.6667	ND	72.3	28 - 126			
4,4´-DDE [2C]	11.6610	2.0	16.6667	ND	70.0	28 - 126			
4,4′-DDT	3.17800	2.0	16.6667	ND	19.1	12 - 149			
4,4′-DDT [2C]	11.2805	2.0	16.6667	ND	67.7	12 - 149			
Aldrin	11.1975	1.0	16.6667	ND	67.2	29 - 116			
Aldrin [2C]	11.0138	1.0	16.6667	ND	66.1	29 - 116			
alpha-BHC	10.9493	1.0	16.6667	ND	65.7	27 - 104			
alpha-BHC [2C]	10.6513	1.0	16.6667	ND	63.9	27 - 104			
alpha-Chlordane	12.1093	1.0	16.6667	ND	72.7	14 - 130			
alpha-Chlordane [2C]	11.0720	1.0	16.6667	ND	66.4	14 - 130			
beta-BHC	11.7585	1.0	16.6667	ND	70.6	20 - 115			
beta-BHC [2C]	10.7172	1.0	16.6667	ND	64.3	20 - 115			
delta-BHC	9.35400	1.0	16.6667	ND	56.1	8 - 78			
delta-BHC [2C]	8.28683	1.0	16.6667	ND	49.7	8 - 78			
Dieldrin	12.0095	2.0	16.6667	ND	72.1	20 - 134			
Dieldrin [2C]	11.7710	2.0	16.6667	ND	70.6	20 - 134			
Endosulfan I	10.6295	1.0	16.6667	ND	63.8	27 - 114			
Endosulfan I [2C]	10.9167	1.0	16.6667	ND	65.5	27 - 114			
Endosulfan II	12.1550	2.0	16.6667	ND	72.9	16 - 125			
Endosulfan II [2C]	11.4458	2.0	16.6667	ND	68.7	16 - 125			
Endosulfan sulfate	12.0470	2.0	16.6667	ND	72.3	1 - 126			
Endosulfan Sulfate [2C]	10.8618	2.0	16.6667	ND	65.2	1 - 126			
Endrin	12.2010	2.0	16.6667	ND	73.2	33 - 122			
Endrin [2C]	12.2638	2.0	16.6667	ND	73.6	33 - 122			
Endrin aldehyde	12.8397	2.0	16.6667	ND	77.0	0 - 137			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0726 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0726-MS1) - Continued		Source: 160	1094-51	Prepared	l: 3/27/2016	Analyzed: 3/28/2	2016		
Endrin aldehyde [2C]	7.95900	2.0	16.6667	ND	47.8	0 - 137			
Endrin ketone	10.2788	2.0	16.6667	ND	61.7	10 - 126			
Endrin ketone [2C]	11.5258	2.0	16.6667	ND	69.2	10 - 126			
gamma-BHC	11.1892	1.0	16.6667	ND	67.1	30 - 111			
gamma-BHC [2C]	11.0982	1.0	16.6667	ND	66.6	30 - 111			
gamma-Chlordane	11.4567	1.0	16.6667	ND	68.7	16 - 130			
gamma-Chlordane [2C]	11.0932	1.0	16.6667	ND	66.6	16 - 130			
Heptachlor	9.95550	1.0	16.6667	ND	59.7	34 - 127			
Heptachlor [2C]	10.6902	1.0	16.6667	ND	64.1	34 - 127			
Heptachlor epoxide	11.6932	1.0	16.6667	ND	70.2	19 - 130			
Heptachlor epoxide [2C]	10.9397	1.0	16.6667	ND	65.6	19 - 130			
Methoxychlor	6.36383	5.0	16.6667	ND	38.2	16 - 153			
Methoxychlor [2C]	13.5650	5.0	16.6667	ND	81.4	16 - 153			
Surrogate: Decachlorobiphenyl	12.02		16.6667		72.1	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	11.44		16.6667		68.6	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.17		16.6667		67.0	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	10.80		16.6667		64.8	16 - 105			
Matrix Spike Dup (B6C0726-MSD1)		Source: 160	1094-51	Prepared	l: 3/27/2016.	Analyzed: 3/28/2	2016		
4,4′-DDD	12.0502	2.0	16.6667	ND	72.3	27 - 123	3.45	20	
4,4'-DDD [2C]	12.2182	2.0	16.6667	ND	73.3	27 - 123	2.81	20	
4,4′-DDE	11.6143	2.0	16.6667	ND	69.7	28 - 126	3.70	20	
4,4'-DDE [2C]	11.3427	2.0	16.6667	ND	68.1	28 - 126	2.77	20	
4,4′-DDT	3.08100	2.0	16.6667	ND	18.5	12 - 149	3.10	20	
4,4'-DDT [2C]	10.9200	2.0	16.6667	ND	65.5	12 - 149	3.25	20	
Aldrin	10.8462	1.0	16.6667	ND	65.1	29 - 116	3.19	20	
Aldrin [2C]	10.6117	1.0	16.6667	ND	63.7	29 - 116	3.72	20	
alpha-BHC	10.6285	1.0	16.6667	ND	63.8	27 - 104	2.97	20	
alpha-BHC [2C]	10.2403	1.0	16.6667	ND	61.4	27 - 104	3.93	20	
alpha-Chlordane	11.7650	1.0	16.6667	ND	70.6	14 - 130	2.88	20	
alpha-Chlordane [2C]	10.7442	1.0	16.6667	ND	64.5	14 - 130	3.01	20	
beta-BHC	11.4390	1.0	16.6667	ND	68.6	20 - 115	2.75	20	
beta-BHC [2C]	10.3283	1.0	16.6667	ND	62.0	20 - 115	3.70	20	
delta-BHC	9.14033	1.0	16.6667	ND	54.8	8 - 78	2.31	20	
delta-BHC [2C]	7.96033	1.0	16.6667	ND	47.8	8 - 78	4.02	20	
Dieldrin	11.6193	2.0	16.6667	ND	69.7	20 - 134	3.30	20	
Dieldrin [2C]	11.5040	2.0	16.6667	ND	69.0	20 - 134	2.29	20	
Endosulfan I	10.3288	1.0	16.6667	ND	62.0	27 - 114	2.87	20	
Endosulfan I [2C]	10.6182	1.0	16.6667	ND	63.7	27 - 114	2.77	20	
Endosulfan II	11.7843	2.0	16.6667	ND	70.7	16 - 125	3.10	20	
Endosulfan II [2C]	11.0800	2.0	16.6667	ND	66.5	16 - 125	3.25	20	



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0726 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0726-MSD1) - Co	ntinued	Source: 1601094-51		Preparec	l: 3/27/2016				
Endosulfan sulfate	11.7613	2.0	16.6667	ND	70.6	1 - 126	2.40	20	
Endosulfan Sulfate [2C]	10.2323	2.0	16.6667	ND	61.4	1 - 126	5.97	20	
Endrin	11.8558	2.0	16.6667	ND	71.1	33 - 122	2.87	20	
Endrin [2C]	11.9215	2.0	16.6667	ND	71.5	33 - 122	2.83	20	
Endrin aldehyde	12.4948	2.0	16.6667	ND	75.0	0 - 137	2.72	20	
Endrin aldehyde [2C]	7.15400	2.0	16.6667	ND	42.9	0 - 137	10.7	20	
Endrin ketone	10.0395	2.0	16.6667	ND	60.2	10 - 126	2.36	20	
Endrin ketone [2C]	10.8698	2.0	16.6667	ND	65.2	10 - 126	5.86	20	
gamma-BHC	10.8737	1.0	16.6667	ND	65.2	30 - 111	2.86	20	
gamma-BHC [2C]	10.6733	1.0	16.6667	ND	64.0	30 - 111	3.90	20	
gamma-Chlordane	11.1120	1.0	16.6667	ND	66.7	16 - 130	3.05	20	
gamma-Chlordane [2C]	10.7880	1.0	16.6667	ND	64.7	16 - 130	2.79	20	
Heptachlor	9.65383	1.0	16.6667	ND	57.9	34 - 127	3.08	20	
Heptachlor [2C]	10.2965	1.0	16.6667	ND	61.8	34 - 127	3.75	20	
Heptachlor epoxide	11.3437	1.0	16.6667	ND	68.1	19 - 130	3.03	20	
Heptachlor epoxide [2C]	10.6243	1.0	16.6667	ND	63.7	19 - 130	2.92	20	
Methoxychlor	6.30567	5.0	16.6667	ND	37.8	16 - 153	0.918	20	
Methoxychlor [2C]	12.8780	5.0	16.6667	ND	77.3	16 - 153	5.20	20	
Surrogate: Decachlorobiphenyl	11.97		16.6667		71.8	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.85		16.6667		65.1	16 - 137			
Surrogate: Tetrachloro-m-xylene	10.97		16.6667		65.8	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	10.37		16.6667		62.2	16 - 105			



	Certificate of Analysis
Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
17781 Cowan Street	Report To: Julie Harriman
Irvine , CA 92614	Reported : 03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/L)	(ug/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0728 - GCSEMI_PCB/P	'EST_W								
Blank (B6C0728-BLK1)				Preparec	1: 3/28/2016 A	Analyzed: 3/29/	/2016		
4,4′-DDD	ND	0.05			NR				
4,4'-DDD [2C]	ND	0.05			NR				
4,4'-DDE	ND	0.05			NR				
4,4'-DDE [2C]	ND	0.05			NR				
4,4'-DDT	ND	0.05			NR				
4,4'-DDT [2C]	ND	0.05			NR				
Aldrin	ND	0.02			NR				
Aldrin [2C]	ND	0.02			NR				
alpha-BHC	ND	0.02			NR				
alpha-BHC [2C]	ND	0.02			NR				
alpha-Chlordane	ND	0.02			NR				
alpha-Chlordane [2C]	ND	0.02			NR				
beta-BHC	ND	0.02			NR				
beta-BHC [2C]	ND	0.02			NR				
Chlordane	ND	0.25			NR				
Chlordane [2C]	ND	0.25			NR				
delta-BHC	ND	0.02			NR				
delta-BHC [2C]	ND	0.02			NR				
Dieldrin	ND	0.05			NR				
Dieldrin [2C]	ND	0.05			NR				
Endosulfan I	ND	0.02			NR				
Endosulfan I [2C]	ND	0.02			NR				
Endosulfan II	ND	0.05			NR				
Endosulfan II [2C]	ND	0.05			NR				
Endosulfan sulfate	ND	0.05			NR				
Endosulfan Sulfate [2C]	ND	0.05			NR				
Endrin	ND	0.05			NR				
Endrin [2C]	ND	0.05			NR				
Endrin aldehyde	ND	0.05			NR				
Endrin aldehyde [2C]	ND	0.05			NR				
Endrin ketone	ND	0.05			NR				
Endrin ketone [2C]	ND	0.05			NR				
gamma-BHC	ND	0.02			NR				
gamma-BHC [2C]	ND	0.02			NR				
gamma-Chlordane	ND	0.02			NR				
gamma-Chlordane [2C]	ND	0.02			NR				
Heptachlor	ND	0.02			NR				
Heptachlor [2C]	ND	0.02			NR				
Heptachlor epoxide	ND	0.02			NR				
Heptachlor epoxide [2C]	ND	0.02			NR				
Methoxychlor	ND	0.25			NR				



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/L)	(ug/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
									
Batch B6C0728 - GCSEMI_PCB/PES	T_W (continued))							
Blank (B6C0728-BLK1) - Continued				Preparec	l: 3/28/2016 A	Analyzed: 3/29/	2016		
Methoxychlor [2C]	ND	0.25			NR				
Toxaphene	ND	2.5			NR				
Toxaphene [2C]	ND	2.5			NR				
Surrogate: Decachlorobiphenyl	0.3557		0.500000		71.1	7 - 127			
Surrogate: Decachlorobiphenyl [2C]	0.3488		0.500000		69.8	7 - 127			
Surrogate: Tetrachloro-m-xylene	0.3656		0.500000		73.1	14 - 122			
Surrogate: Tetrachloro-m-xylene [2C]	0.3526		0.500000		70.5	14 - 122			
LCS (B6C0728-BS1)				Preparec	l: 3/28/2016 A	Analyzed: 3/29/	2016		
4,4´-DDD	0.401625	0.05	0.500000		80.3	59 - 109			
4,4′-DDD [2C]	0.383615	0.05	0.500000		76.7	59 - 109			
4,4′-DDE	0.407900	0.05	0.500000		81.6	63 - 101			
4,4′-DDE [2C]	0.384610	0.05	0.500000		76.9	63 - 101			
4,4′-DDT	0.427585	0.05	0.500000		85.5	36 - 96			
4,4′-DDT [2C]	0.402695	0.05	0.500000		80.5	36 - 96			
Aldrin	0.399060	0.02	0.500000		79.8	64 - 96			
Aldrin [2C]	0.373525	0.02	0.500000		74.7	64 - 96			
alpha-BHC	0.391060	0.02	0.500000		78.2	63 - 92			
alpha-BHC [2C]	0.372125	0.02	0.500000		74.4	63 - 92			
alpha-Chlordane	0.399795	0.02	0.500000		80.0	63 - 101			
alpha-Chlordane [2C]	0.378000	0.02	0.500000		75.6	63 - 101			
beta-BHC	0.376635	0.02	0.500000		75.3	58 - 95			
beta-BHC [2C]	0.356730	0.02	0.500000		71.3	58 - 95			
delta-BHC	0.372140	0.02	0.500000		74.4	37 - 107			
delta-BHC [2C]	0.357600	0.02	0.500000		71.5	37 - 107			
Dieldrin	0.397590	0.05	0.500000		79.5	62 - 102			
Dieldrin [2C]	0.385920	0.05	0.500000		77.2	62 - 102			
Endosulfan I	0.384525	0.02	0.500000		76.9	61 - 97			
Endosulfan I [2C]	0.367445	0.02	0.500000		73.5	61 - 97			
Endosulfan II	0.379580	0.05	0.500000		75.9	61 - 103			
Endosulfan II [2C]	0.364140	0.05	0.500000		72.8	61 - 103			
Endosulfan sulfate	0.348605	0.05	0.500000		69.7	60 - 112			
Endosulfan Sulfate [2C]	0.343015	0.05	0.500000		68.6	60 - 112			
Endrin	0.411730	0.05	0.500000		82.3	62 - 103			
Endrin [2C]	0.403250	0.05	0.500000		80.6	62 - 103			
Endrin aldehyde	0.389800	0.05	0.500000		78.0	64 - 116			
Endrin aldehyde [2C]	0.392075	0.05	0.500000		78.4	64 - 116			
Endrin ketone	0.342915	0.05	0.500000		68.6	56 - 113			
Endrin ketone [2C]	0.347385	0.05	0.500000		69.5	56 - 113			
gamma-BHC	0.401510	0.02	0.500000		80.3	64 - 95			
gamma-BHC [2C]	0.389305	0.02	0.500000		77.9	64 - 95			



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/L)	(ug/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0728 - GCSEMI_PCB/PES	T_W (continued))							
LCS (B6C0728-BS1) - Continued				Prepared	1: 3/28/2016 A	Analyzed: 3/29	/2016		
gamma-Chlordane	0.388730	0.02	0.500000		77.7	64 - 99			
gamma-Chlordane [2C]	0.369055	0.02	0.500000		73.8	64 - 99			
Heptachlor	0.408585	0.02	0.500000		81.7	64 - 93			
Heptachlor [2C]	0.411145	0.02	0.500000		82.2	64 - 93			
Heptachlor epoxide	0.392475	0.02	0.500000		78.5	65 - 98			
Heptachlor epoxide [2C]	0.370200	0.02	0.500000		74.0	65 - 98			
Methoxychlor	0.359405	0.25	0.500000		71.9	0 - 141			
Methoxychlor [2C]	0.377355	0.25	0.500000		75.5	0 - 141			
Surrogate: Decachlorobiphenyl	0.3363		0.500000		67.3	7 - 127			
Surrogate: Decachlorobiphenyl [2C]	0.3274		0.500000		65.5	7 - 127			
Surrogate: Tetrachloro-m-xylene	0.3471		0.500000		69.4	14 - 122			
Surrogate: Tetrachloro-m-xylene [2C]	0.3376		0.500000		67.5	14 - 122			
LCS Dup (B6C0728-BSD1)				Prepareo	1: 3/28/2016 A	Analyzed: 3/29	/2016		
1,4′-DDD	0.403180	0.05	0.500000		80.6	59 - 109	0.386	20	
4,4´-DDD [2C]	0.386055	0.05	0.500000		77.2	59 - 109	0.634	20	
,,	0.410590	0.05	0.500000		82.1	63 - 101	0.657	20	
4,4′-DDE [2C]	0.387135	0.05	0.500000		77.4	63 - 101	0.654	20	
4,4′-DDT	0.426335	0.05	0.500000		85.3	36 - 96	0.293	20	
4,4'-DDT [2C]	0.404385	0.05	0.500000		80.9	36 - 96	0.419	20	
Aldrin	0.401050	0.02	0.500000		80.2	64 - 96	0.497	20	
Aldrin [2C]	0.376760	0.02	0.500000		75.4	64 - 96	0.862	20	
alpha-BHC	0.394030	0.02	0.500000		78.8	63 - 92	0.757	20	
alpha-BHC [2C]	0.376040	0.02	0.500000		75.2	63 - 92	1.05	20	
alpha-Chlordane	0.402175	0.02	0.500000		80.4	63 - 101	0.594	20	
alpha-Chlordane [2C]	0.381800	0.02	0.500000		76.4	63 - 101	1.00	20	
beta-BHC	0.379585	0.02	0.500000		75.9	58 - 95	0.780	20	
peta-BHC [2C]	0.360700	0.02	0.500000		72.1	58 - 95	1.11	20	
delta-BHC	0.373690	0.02	0.500000		74.7	37 - 107	0.416	20	
delta-BHC [2C]	0.360720	0.02	0.500000		72.1	37 - 107	0.869	20	
Dieldrin	0.399940	0.05	0.500000		80.0	62 - 102	0.589	20	
Dieldrin [2C]	0.390385	0.05	0.500000		78.1	62 - 102	1.15	20	
Endosulfan I	0.387075	0.02	0.500000		77.4	61 - 97	0.661	20	
Endosulfan I [2C]	0.370035	0.02	0.500000		74.0	61 - 97	0.702	20	
Endosulfan II	0.380520	0.05	0.500000		76.1	61 - 103	0.247	20	
Endosulfan II [2C]	0.367435	0.05	0.500000		73.5	61 - 103	0.901	20	
Endosulfan sulfate	0.351195	0.05	0.500000		70.2	60 - 112	0.740	20	
Endosulfan Sulfate [2C]	0.345855	0.05	0.500000		69.2	60 - 112	0.825	20	
Endrin	0.413545	0.05	0.500000		82.7	62 - 103	0.440	20	
Endrin [2C]	0.406435	0.05	0.500000		81.3	62 - 103	0.787	20	
Endrin aldehyde	0.391345	0.05	0.500000		78.3	64 - 116	0.396	20	



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/L)	(ug/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0728 - GCSEMI_PCB/PEST	_W (continued))							
LCS Dup (B6C0728-BSD1) - Continued				Prepareo	d: 3/28/2016	Analyzed: 3/29/	/2016		
Endrin aldehyde [2C]	0.395560	0.05	0.500000		79.1	64 - 116	0.885	20	
Endrin ketone	0.340920	0.05	0.500000		68.2	56 - 113	0.583	20	
Endrin ketone [2C]	0.348405	0.05	0.500000		69.7	56 - 113	0.293	20	
gamma-BHC	0.404210	0.02	0.500000		80.8	64 - 95	0.670	20	
gamma-BHC [2C]	0.392810	0.02	0.500000		78.6	64 - 95	0.896	20	
gamma-Chlordane	0.390260	0.02	0.500000		78.1	64 - 99	0.393	20	
gamma-Chlordane [2C]	0.372855	0.02	0.500000		74.6	64 - 99	1.02	20	
Heptachlor	0.409700	0.02	0.500000		81.9	64 - 93	0.273	20	
Heptachlor [2C]	0.414535	0.02	0.500000		82.9	64 - 93	0.821	20	
Heptachlor epoxide	0.394460	0.02	0.500000		78.9	65 - 98	0.504	20	
Heptachlor epoxide [2C]	0.373755	0.02	0.500000		74.8	65 - 98	0.956	20	
Methoxychlor	0.358365	0.25	0.500000		71.7	0 - 141	0.290	20	
Methoxychlor [2C]	0.377895	0.25	0.500000		75.6	0 - 141	0.143	20	
Surrogate: Decachlorobiphenyl	0.3358		0.500000		67.2	7 - 127			
Surrogate: Decachlorobiphenyl [2C]	0.3265		0.500000		65.3	7 - 127			
Surrogate: Tetrachloro-m-xylene	0.3452		0.500000		69.0	14 - 122			
Surrogate: Tetrachloro-m-xylene [2C]	0.3381		0.500000		67.6	14 - 122			



	Certificate of Analysis
Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
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Irvine , CA 92614	Reported : 03/30/2016

h B6C0749 - GCSEMI_PCB/PEST_S k (B6C0749-BLK1) Prepared: 3/28/2016 Analyzed: 3/28/2016 DDD ND 2.0 NR DDD ND 2.0 NR DDE ND 2.0 NR DDE ND 2.0 NR DDE ND 2.0 NR DDE ND 2.0 NR DDT ND 2.0 NR DT ND 2.0 NR A ND 1.0 NR A ND 1.0 NR	tes
k (B6C0749-BLK1) Prepared: 3/28/2016 Analyzed: 3/28/2016 DDD ND 2.0 NR DDD [2C] ND 2.0 NR DDE ND 2.0 NR DDE [2C] ND 2.0 NR DDT [2C] ND 2.0 NR DT [2C] ND 2.0 NR A ND 1.0 NR A [2C] ND 1.0 NR	
ND 2.0 NR DDD [2C] ND 2.0 NR DDE ND 2.0 NR DDE [2C] ND 2.0 NR DDE [2C] ND 2.0 NR DDT [2C] ND 2.0 NR DT [2C] ND 2.0 NR A ND 1.0 NR A [2C] ND 1.0 NR	
NDD [2C] ND 2.0 NR DDE [2C] ND 2.0 NR DDE [2C] ND 2.0 NR DDT [2C] ND 2.0 NR DDT [2C] ND 2.0 NR ND 1.0 NR NR [2C] ND 1.0 NR	
ND 2.0 NR DDE [2C] ND 2.0 NR DDT ND 2.0 NR DDT [2C] ND 2.0 NR A ND 1.0 NR [2C] ND 1.0 NR	
ND 2.0 NR DDE [2C] ND 2.0 NR DDT ND 2.0 NR DDT [2C] ND 2.0 NR A ND 1.0 NR [2C] ND 1.0 NR	
DDE [2C] ND 2.0 NR DDT ND 2.0 NR DDT [2C] ND 2.0 NR A ND 1.0 NR [2C] ND 1.0 NR	
ND 2.0 NR DDT [2C] ND 2.0 NR ND 1.0 NR [2C] ND 1.0 NR	
ND 1.0 NR I [2C] ND 1.0 NR	
ND 1.0 NR	
BHC ND 1.0 NR	
BHC [2C] ND 1.0 NR	
Chlordane ND 1.0 NR	
Chlordane [2C] ND 1.0 NR	
ND 1.0 NR	
BHC [2C] ND 1.0 NR	
dane ND 8.5 NR	
Image: Mane [2C] ND 8.5 NR	
BHC ND 1.0 NR	
BHC [2C] ND 1.0 NR	
in ND 2.0 NR	
in [2C] ND 2.0 NR	
ulfan I ND 1.0 NR	
ulfan I [2C] ND 1.0 NR	
ulfan II ND 2.0 NR	
ulfan II [2C] ND 2.0 NR	
ulfan sulfate ND 2.0 NR	
ulfan Sulfate [2C] ND 2.0 NR	
n ND 2.0 NR	
n [2C] ND 2.0 NR	
n aldehyde ND 2.0 NR	
n aldehyde [2C] ND 2.0 NR	
n ketone ND 2.0 NR	
n ketone [2C] ND 2.0 NR	
a-BHC ND 1.0 NR	
a-BHC [2C] ND 1.0 NR	
a-Chlordane ND 1.0 NR	
a-Chlordane [2C] ND 1.0 NR	
chlor ND 1.0 NR	
chlor [2C] ND 1.0 NR	
chlor epoxide ND 1.0 NR	
chlor epoxide [2C] ND 1.0 NR	
ND 5.0 NR	



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Irvine , CA 92614	Reported :	03/30/2016

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0749 - GCSEMI_PCB/PES	T_S (continued)								
Blank (B6C0749-BLK1) - Continued				Prepared	d: 3/28/2016	Analyzed: 3/28/	2016		
Aethoxychlor [2C]	ND	5.0			NR				
oxaphene	ND	50			NR				
Oxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	15.27		16.6667		91.6	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	14.75		16.6667		88.5	16 - 137			
Surrogate: Tetrachloro-m-xylene	15.31		16.6667		91.8	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	14.78		16.6667		88.7	16 - 105			
LCS (B6C0749-BS1)				Prepared	1: 3/28/2016	Analyzed: 3/28/	2016		
4'-DDD	16.6587	2.0	16.6667	•	100	58 - 100			
,4'-DDD [2C]	16.8755	2.0	16.6667		100	58 - 100 58 - 100			L3
,4'-DDE ,4'-DDE	16.0823	2.0	16.6667		96.5	65 - 99			15
,4′-DDE [2C]	16.1688	2.0	16.6667		97.0	65 - 99			
,4'-DDT	13.3965	2.0	16.6667		80.4	39 - 116			
4′-DDT [2C]	15.5958	2.0	16.6667		93.6	39 - 116			
ldrin	15.4183	1.0	16.6667		92.5	57 - 94			
ldrin [2C]	15.2537	1.0	16.6667		91.5	57 - 94			
pha-BHC	14.9312	1.0	16.6667		89.6	58 - 84			L3
pha-BHC [2C]	14.7183	1.0	16.6667		88.3	58 - 84			L3
pha-Chlordane	15.5507	1.0	16.6667		93.3	58 - 96			
pha-Chlordane [2C]	15.1343	1.0	16.6667		90.8	58 - 96			
eta-BHC	14.8838	1.0	16.6667		89.3	58 - 87			L3
eta-BHC [2C]	14.3213	1.0	16.6667		85.9	58 - 87			
elta-BHC	14.3038	1.0	16.6667		85.8	18 - 75			L3
elta-BHC [2C]	13.7363	1.0	16.6667		82.4	18 - 75			L3
vieldrin	15.9488	2.0	16.6667		95.7	62 - 94			L3
ieldrin [2C]	15.9400	2.0	16.6667		95.6	62 - 94			L3
ndosulfan I	15.5390	1.0	16.6667		93.2	58 - 90			L3
ndosulfan I [2C]	14.9565	1.0	16.6667		89.7	58 - 90			
ndosulfan II	15.5172	2.0	16.6667		93.1	63 - 95			
ndosulfan II [2C]	15.1960	2.0	16.6667		91.2	63 - 95			
ndosulfan sulfate	15.7413	2.0	16.6667		94.4	59 - 89			L3
ndosulfan Sulfate [2C]	13.5675	2.0	16.6667		81.4	59 - 89			
ndrin	16.3112	2.0	16.6667		97.9	64 - 96			L3
ndrin [2C]	16.8932	2.0	16.6667		101	64 - 96			L3
ndrin aldehyde	17.3617	2.0	16.6667		104	65 - 95			L3
ndrin aldehyde [2C]	16.0322	2.0	16.6667		96.2	65 - 95			L3
ndrin ketone	13.8072	2.0	16.6667		82.8	59 - 101			
ndrin ketone [2C]	13.4333	2.0	16.6667		80.6	59 - 101			
amma-BHC	15.2898	1.0	16.6667		91.7	63 - 89			L3
amma-BHC [2C]	15.0845	1.0	16.6667		90.5	63 - 89			L3



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	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0749 - GCSEMI_PCB/PES	T_S (continued))							
LCS (B6C0749-BS1) - Continued				Prepareo	d: 3/28/2016 A	Analyzed: 3/28	/2016		
gamma-Chlordane	15.2197	1.0	16.6667		91.3	61 - 95			
gamma-Chlordane [2C]	15.1153	1.0	16.6667		90.7	61 - 95			
Heptachlor	16.2555	1.0	16.6667		97.5	65 - 102			
Heptachlor [2C]	15.2398	1.0	16.6667		91.4	65 - 102			
Heptachlor epoxide	15.5132	1.0	16.6667		93.1	61 - 95			
Heptachlor epoxide [2C]	14.9712	1.0	16.6667		89.8	61 - 95			
Methoxychlor	16.9933	5.0	16.6667		102	29 - 128			
Methoxychlor [2C]	17.3225	5.0	16.6667		104	29 - 128			
Surrogate: Decachlorobiphenyl	14.74		16.6667		88.4	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	14.32		16.6667		85.9	16 - 137			
Surrogate: Tetrachloro-m-xylene	14.89		16.6667		89.3	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	14.66		16.6667		88.0	16 - 105			
Matrix Spike (B6C0749-MS1)		Source: 1601	094-84	Prepareo	d: 3/28/2016 A	Analyzed: 3/28	/2016		
4,4′-DDD	12.0172	2.0	16.6667	ND	72.1	27 - 123			
4,4'-DDD [2C]	11.8902	2.0	16.6667	ND	71.3	27 - 123			
4,4′-DDE	11.8475	2.0	16.6667	ND	71.1	28 - 126			
4,4'-DDE [2C]	11.5823	2.0	16.6667	ND	69.5	28 - 126			
4,4′-DDT	7.65417	2.0	16.6667	ND	45.9	12 - 149			
4,4'-DDT [2C]	11.4158	2.0	16.6667	ND	68.5	12 - 149			
Aldrin	10.8817	1.0	16.6667	ND	65.3	29 - 116			
Aldrin [2C]	10.8355	1.0	16.6667	ND	65.0	29 - 116			
alpha-BHC	10.3127	1.0	16.6667	ND	61.9	27 - 104			
alpha-BHC [2C]	10.1140	1.0	16.6667	ND	60.7	27 - 104			
alpha-Chlordane	11.4448	1.0	16.6667	ND	68.7	14 - 130			
alpha-Chlordane [2C]	10.8552	1.0	16.6667	ND	65.1	14 - 130			
beta-BHC	10.6398	1.0	16.6667	ND	63.8	20 - 115			
beta-BHC [2C]	10.3730	1.0	16.6667	ND	62.2	20 - 115			
delta-BHC	7.81400	1.0	16.6667	ND	46.9	8 - 78			
delta-BHC [2C]	7.28767	1.0	16.6667	ND	43.7	8 - 78			
Dieldrin	11.6355	2.0	16.6667	ND	69.8	20 - 134			
Dieldrin [2C]	11.6095	2.0	16.6667	ND	69.7	20 - 134			
Endosulfan I	10.4425	1.0	16.6667	ND	62.7	27 - 114			
Endosulfan I [2C]	10.7222	1.0	16.6667	ND	64.3	27 - 114			
Endosulfan II	11.2997	2.0	16.6667	ND	67.8	16 - 125			
Endosulfan II [2C]	10.6945	2.0	16.6667	ND	64.2	16 - 125			
Endosulfan sulfate	11.2775	2.0	16.6667	ND	67.7	1 - 126			
Endosulfan Sulfate [2C]	9.56767	2.0	16.6667	ND	57.4	1 - 126			
Endrin	11.9643	2.0	16.6667	ND	71.8	33 - 122			
Endrin [2C]	11.7872	2.0	16.6667	ND	70.7	33 - 122			
Endrin aldehyde	12.3677	2.0	16.6667	ND	74.2	0 - 137			



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Irvine , CA 92614	Reported :	03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0749 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0749-MS1) - Continued		Source: 160	1094-84	Prepared	1: 3/28/2016	Analyzed: 3/28/	2016		
Endrin aldehyde [2C]	7.41817	2.0	16.6667	ND	44.5	0 - 137			
Endrin ketone	10.5483	2.0	16.6667	ND	63.3	10 - 126			
Endrin ketone [2C]	10.4387	2.0	16.6667	ND	62.6	10 - 126			
gamma-BHC	10.7517	1.0	16.6667	ND	64.5	30 - 111			
gamma-BHC [2C]	10.6158	1.0	16.6667	ND	63.7	30 - 111			
gamma-Chlordane	11.0707	1.0	16.6667	ND	66.4	16 - 130			
gamma-Chlordane [2C]	10.8592	1.0	16.6667	ND	65.2	16 - 130			
Heptachlor	11.7530	1.0	16.6667	ND	70.5	34 - 127			
Heptachlor [2C]	10.9095	1.0	16.6667	ND	65.5	34 - 127			
Heptachlor epoxide	11.2513	1.0	16.6667	ND	67.5	19 - 130			
Heptachlor epoxide [2C]	10.7852	1.0	16.6667	ND	64.7	19 - 130			
Methoxychlor	12.2775	5.0	16.6667	ND	73.7	16 - 153			
Methoxychlor [2C]	13.9010	5.0	16.6667	ND	83.4	16 - 153			
Surrogate: Decachlorobiphenyl	10.89		16.6667		65.3	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.39		16.6667		62.3	16 - 137			
Surrogate: Tetrachloro-m-xylene	10.46		16.6667		62.8	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	10.44		16.6667		62.6	16 - 105			
Matrix Spike Dup (B6C0749-MSD1)		Source: 160	1094-84	Prepared	1: 3/28/2016	Analyzed: 3/28/2	2016		
4,4′-DDD	12.6700	2.0	16.6667	ND	76.0	27 - 123	5.29	20	
4,4'-DDD [2C]	12.5307	2.0	16.6667	ND	75.2	27 - 123	5.25	20	
4,4'-DDE	12.3728	2.0	16.6667	ND	74.2	28 - 126	4.34	20	
4,4'-DDE [2C]	11.8865	2.0	16.6667	ND	71.3	28 - 126	2.59	20	
4,4′-DDT	8.12400	2.0	16.6667	ND	48.7	12 - 149	5.96	20	
4,4'-DDT [2C]	12.3923	2.0	16.6667	ND	74.4	12 - 149	8.20	20	
Aldrin	11.4035	1.0	16.6667	ND	68.4	29 - 116	4.68	20	
Aldrin [2C]	11.1790	1.0	16.6667	ND	67.1	29 - 116	3.12	20	
alpha-BHC	10.9707	1.0	16.6667	ND	65.8	27 - 104	6.18	20	
alpha-BHC [2C]	10.6452	1.0	16.6667	ND	63.9	27 - 104	5.12	20	
alpha-Chlordane	11.9797	1.0	16.6667	ND	71.9	14 - 130	4.57	20	
alpha-Chlordane [2C]	11.1952	1.0	16.6667	ND	67.2	14 - 130	3.08	20	
beta-BHC	11.2418	1.0	16.6667	ND	67.5	20 - 115	5.50	20	
beta-BHC [2C]	10.8872	1.0	16.6667	ND	65.3	20 - 115	4.84	20	
delta-BHC	8.43500	1.0	16.6667	ND	50.6	8 - 78	7.64	20	
delta-BHC [2C]	7.69317	1.0	16.6667	ND	46.2	8 - 78	5.41	20	
Dieldrin	12.1343	2.0	16.6667	ND	72.8	20 - 134	4.20	20	
Dieldrin [2C]	11.8403	2.0	16.6667	ND	71.0	20 - 134	1.97	20	
Endosulfan I	11.2000	1.0	16.6667	ND	67.2	27 - 114	7.00	20	
Endosulfan I [2C]	11.0493	1.0	16.6667	ND	66.3	27 - 114	3.01	20	
Endosulfan II	11.8800	2.0	16.6667	ND	71.3	16 - 125	5.01	20	
Endosulfan II [2C]	11.4727	2.0	16.6667	ND	68.8	16 - 125	7.02	20	



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes

Batch B6C0749 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0749-MSD1) - (Continued	Source: 160	1094-84	Preparec	d: 3/28/2016	Analyzed: 3/28/	2016		
Endosulfan sulfate	11.7642	2.0	16.6667	ND	70.6	1 - 126	4.22	20	
Endosulfan Sulfate [2C]	10.4497	2.0	16.6667	ND	62.7	1 - 126	8.81	20	
Endrin	12.4982	2.0	16.6667	ND	75.0	33 - 122	4.36	20	
Endrin [2C]	12.3460	2.0	16.6667	ND	74.1	33 - 122	4.63	20	
Endrin aldehyde	13.2623	2.0	16.6667	ND	79.6	0 - 137	6.98	20	
Endrin aldehyde [2C]	8.08300	2.0	16.6667	ND	48.5	0 - 137	8.58	20	
Endrin ketone	11.3915	2.0	16.6667	ND	68.3	10 - 126	7.69	20	
Endrin ketone [2C]	11.5508	2.0	16.6667	ND	69.3	10 - 126	10.1	20	
gamma-BHC	11.3993	1.0	16.6667	ND	68.4	30 - 111	5.85	20	
gamma-BHC [2C]	11.1917	1.0	16.6667	ND	67.2	30 - 111	5.28	20	
gamma-Chlordane	11.5507	1.0	16.6667	ND	69.3	16 - 130	4.24	20	
gamma-Chlordane [2C]	11.0840	1.0	16.6667	ND	66.5	16 - 130	2.05	20	
Heptachlor	12.3575	1.0	16.6667	ND	74.1	34 - 127	5.01	20	
Heptachlor [2C]	11.2682	1.0	16.6667	ND	67.6	34 - 127	3.23	20	
Heptachlor epoxide	11.7520	1.0	16.6667	ND	70.5	19 - 130	4.35	20	
Heptachlor epoxide [2C]	11.0662	1.0	16.6667	ND	66.4	19 - 130	2.57	20	
Methoxychlor	13.1742	5.0	16.6667	ND	79.0	16 - 153	7.05	20	
Methoxychlor [2C]	15.1495	5.0	16.6667	ND	90.9	16 - 153	8.60	20	
Surrogate: Decachlorobiphenyl	11.99		16.6667		72.0	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	12.66		16.6667		75.9	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.19		16.6667		67.1	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	10.95		16.6667		65.7	16 - 105			



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Irvine , CA 92614	Reported :	03/30/2016

Polychlorinated Biphenyls by EPA 8082 - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/L)	(ug/L)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0728 - GCSEMI_PCB/PI	EST_W								
Blank (B6C0728-BLK2)				Prepareo	d: 3/25/2016 A	Analyzed: 3/28/	2016		
Aroclor 1016	ND	0.50			NR				
Aroclor 1221	ND	1.0			NR				
Aroclor 1232	ND	0.50			NR				
Aroclor 1242	ND	0.50			NR				
Aroclor 1248	ND	0.50			NR				
Aroclor 1254	ND	0.50			NR				
Aroclor 1260	ND	0.50			NR				
Aroclor 1262	ND	0.50			NR				
Aroclor 1268	ND	0.50			NR				
Surrogate: Decachlorobiphenyl	0.2548		0.500000		51.0	7 - 127			
Surrogate: Tetrachloro-m-xylene	0.3512		0.500000		70.2	14 - 122			
LCS (B6C0728-BS2)				Prepareo	d: 3/25/2016 A	Analyzed: 3/28/	2016		
Aroclor 1016	3.84264	0.50	5.00000		76.9	68 - 96			
Aroclor 1260	3.50416	0.50	5.00000		70.1	64 - 106			
Surrogate: Decachlorobiphenyl	0.2578		0.500000		51.6	7 - 127			
Surrogate: Tetrachloro-m-xylene	0.3378		0.500000		67.6	14 - 122			
LCS Dup (B6C0728-BSD2)				Prepareo	d: 3/25/2016 A	Analyzed: 3/28/	2016		
Aroclor 1016	3.74834	0.50	5.00000		75.0	68 - 96	2.48	20	
Aroclor 1260	3.35923	0.50	5.00000		67.2	64 - 106	4.22	20	
Surrogate: Decachlorobiphenyl	0.2447		0.500000		48.9	7 - 127			
Surrogate: Tetrachloro-m-xylene	0.3257		0.500000		65.1	14 - 122			



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Polychlorinated Biphenyls by EPA 8082 - Quality Control

[Dagult	DOI	Smilto	Source		% Rec		RPD	
A	Result	PQL	Spike	Source	0/ D		DDD		Nata
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6C0739 - GCSEMI_PCB/PES	ST_S								
Blank (B6C0739-BLK1)				Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	12.54		16.6667		75.3	24 - 135			
Surrogate: Tetrachloro-m-xylene	11.66		16.6667		70.0	29 - 105			
LCS (B6C0739-BS1)				Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	127.633	16	166.667		76.6	68 - 94			
Aroclor 1260	144.489	16	166.667		86.7	68 - 98			
Surrogate: Decachlorobiphenyl	12.46		16.6667		74.7	24 - 135			
Surrogate: Tetrachloro-m-xylene	11.13		16.6667		66.8	29 - 105			
Matrix Spike (B6C0739-MS1)		Source: 1601	081-11	Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	118.237	16	166.667	ND	70.9	39 - 127			
Aroclor 1260	130.968	16	166.667	ND	78.6	46 - 127			
Surrogate: Decachlorobiphenyl	11.43		16.6667		68.6	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.62		16.6667		63.7	29 - 105			
Matrix Spike Dup (B6C0739-MSD1)		Source: 1601	081-11	Preparec	d: 3/26/2016	Analyzed: 3/28/	2016		
Aroclor 1016	120.606	16	166.667	ND	72.4	39 - 127	1.98	20	
Aroclor 1260	129.134	16	166.667	ND	77.5	46 - 127	1.41	20	
Surrogate: Decachlorobiphenyl	11.32		16.6667		67.9	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.58		16.6667		63.5	29 - 105			



Certificate of Analysis

Leighton Consulting, Inc.	Project Number :	Colfax ES, 603378.005
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Notes and Definitions

Surrogate was diluted out. S4

- S10 Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
- Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample. M1
- L4 Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- D1 Sample required dilution due to possible matrix interference.
- Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, ND analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)
- TX1 TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

	ADVANCED TECHNOLOGY L A B O R A T O R I E S 3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040 Company:	CHAIN OF CU Page Instruction: Comp		ansport 1.00 ontrac 2.44	ratory Use Only sample condition tion P N NTACT P C NTACT P C	ATLCOC VEI: 20130715 se Upon Receipt condition V N 5. # OF SAMPLES MATCH COC V 6. PRESERVED V V 7. COOLEN TEMP, deg C, V, V, V, V 7. COOLEN TEMP, deg C, V,
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Rachelle Arada

From: Sent: To: Cc: Subject: Attachments: Carmen Aguila Friday, March 25, 2016 9:20 AM Wallace Sconiers Julie Harriman; customer.relations@atlglobal.com; Rachelle Arada RE: Colfax ES Samples - 603378-005 Page 22.pdf

Hi Wallace,

I received your request.

Thank you, Carmen

From: Wallace Sconiers [mailto:wsconiers@leightongroup.com] Sent: Friday, March 25, 2016 9:04 AM To: Carmen Aguila Cc: Julie Harriman Subject: Colfax ES Samples - 603378-005

Hello Carmen,

For the two waste characterization samples "WC – Soil" and "WC – Liquid" can we run the full Title 22 Metals for 6010B/7470A instead of just the lead and arsenic analyses noted on the chain of custody form? See the attached scan.

Thank you,

Wallace Sconiers, Jr., PG Project Geologist Santa Clarita Office ext. 3324



June 08, 2016

Julie Harriman Leighton Consulting, Inc. 17781 Cowan Street Irvine, CA 92614 Tel: (949) 250-1421 Fax:(949) 757-7230

ELAP No.: 1838 CSDLAC No.: 10196 ORELAP No.: CA300003 TCEQ No. : T104704502

Re: ATL Work Order Number : 1601094 Client Reference : Colfax ES, 603378.005

Enclosed are the results for sample(s) received on March 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Leighton Consulting, Inc.

17781 Cowan Street

Irvine, CA 92614

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB5-6-0.5	1601094-29	Soil	3/22/16 9:54	3/22/16 14:40
EB1-2-0.5	1601094-82	Soil	3/22/16 12:05	3/22/16 14:40

Page 2 of 15 3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040 • www.atlglobal.com



Leighton Consulting, Inc.

17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

Client Sample ID FB5-6-0.5 Lab ID: 1601094-29

Polychlorinated Biphenyls by EPA 8082

Polychlorinated Biphenyls by H	E PA 8082						Analyst: RL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1221	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1232	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1242	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1248	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1254	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1260	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1262	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Aroclor 1268	ND	16	1	B6F0058	06/02/2016	06/02/16 17:45	H1
Surrogate: Decachlorobiphenyl	40.6 %	24 - 135		B6F0058	06/02/2016	06/02/16 17:45	
Surrogate: Tetrachloro-m-xylene	36.7 %	29 - 105		B6F0058	06/02/2016	06/02/16 17:45	



Leighton Consulting, Inc.

17781 Cowan Street

Irvine , CA 92614

Certificate of Analysis

Project Number: Colfax ES, 603378.005

Report To: Julie Harriman

Reported : 06/08/2016

Client Sample ID EB1-2-0.5 Lab ID: 1601094-82

Polychlorinated Biphenyls by EPA 8082

Polychlorinated Biphenyls by H	EPA 8082						Analyst: RL
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1221	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1232	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1242	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1248	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1254	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1260	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1262	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Aroclor 1268	ND	16	1	B6F0058	06/02/2016	06/02/16 18:04	H1
Surrogate: Decachlorobiphenyl	83.7 %	24 - 135		B6F0058	06/02/2016	06/02/16 18:04	
Surrogate: Tetrachloro-m-xylene	65.9 %	29 - 105		B6F0058	06/02/2016	06/02/16 18:04	



Leighton Consulting, Inc. 17781 Cowan Street Irvine , CA 92614

Certificate of Analysis

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 06/08/2016

QUALITY CONTROL SECTION

Polychlorinated Biphenyls by EPA 8082 - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B6F0058 - GCSEMI_PCB/PES	Г_S								
Blank (B6F0058-BLK1)				Preparec	ł: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	17.55		16.6667		105	24 - 135			
Surrogate: Tetrachloro-m-xylene	13.95		16.6667		83.7	29 - 105			
LCS (B6F0058-BS1)				Preparec	ł: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	148.508	16	166.667		89.1	68 - 94			
Aroclor 1260	154.126	16	166.667		92.5	68 - 98			
Surrogate: Decachlorobiphenyl	16.89		16.6667		101	24 - 135			
Surrogate: Tetrachloro-m-xylene	13.42		16.6667		80.5	29 - 105			
Matrix Spike (B6F0058-MS1)		Source: 1601	093-17	Preparec	l: 6/2/2016 A	nalyzed: 6/2/20)16		
Aroclor 1016	128.457	16	166.667	ND	77.1	39 - 127			
Aroclor 1260	142.079	16	166.667	ND	85.2	46 - 127			
Surrogate: Decachlorobiphenyl	16.28		16.6667		97.7	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.63		16.6667		63.8	29 - 105			
Matrix Spike Dup (B6F0058-MSD1)		Source: 1601	093-17	Preparec	l: 6/2/2016 A	nalyzed: 6/2/20	016		
Aroclor 1016	127.314	16	166.667	ND	76.4	39 - 127	0.894	20	
Aroclor 1260	139.352	16	166.667	ND	83.6	46 - 127	1.94	20	
Surrogate: Decachlorobiphenyl	16.19		16.6667		97.1	24 - 135			
Surrogate: Tetrachloro-m-xylene	10.52		16.6667		63.1	29 - 105			



Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005	
17781 Cowan Street	Report To: Julie Harriman	
Irvine , CA 92614	Reported : 06/08/2016	

Notes and Definitions

H1 Sample was received past holding time.

- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)
- TX1 TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

				_					For Laboratory Use Only Sample Co	/ Use Only Sample Condi	Use Only Al Sample Conditions Upon Receint	ATLCOC Ver: 20130715 Int	20130715
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		LABORATORIES	ORIES	H	Page 2	of		Client Contrac	1. CHRLED 2. HEADSPACE (VDA)		S. # OF SAMPL G. PRESERVED	5. # OF SAMPLES MATCH COC 6. PRESERVED	
	3. Te	3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040	al Hill, CA 90755 x: (562) 989-4040	Instructio	n: Complet	Instruction: Complete all shaded areas.	l areas.	GSO Other:	3. CONTAINER INTACT 4. SEALED	b o		MP, deg C:	
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Weekend, holiday, after-hours work - ask for q Subcontract TAT is 10 - 15 business days. Proje respective to the subcontract lab ask for qu liquid and solid samples will be disposed of aft	Weekend, holiday, after-hours work - ask for quote. Subcontract TAT is 10. 315 unisers alsos: Projects requiring shorter TATs will incur a surcharge respective to the subcontract abit nask for quote. Liquid and solid samplas will be disposed of after 45 calendar days from receipt of samples; air	 Hard copy and regenerated reports/EDDs: 517.50 per hard copy report requested; 550.00 per regenerated/reforma? ed report; 355 per recessed EDD. 10. Rush TCP/STG samples and 2 days to analysis TAT for extraction on procedure. 11. Unarahyred samples will incur a disposal fee of 57 per sample. 	by report requested; \$50.00 per regenerated/reforma? ed report; tion on procedure.	Submitt	aco Micco er Print Name	C Signature	é .
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APPENDIX E

WASTE DISPOSAL DOCUMENTATION



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ł	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of	3. Emergency F (800) 365			4. Waste T	racking Nu	nber (294652	
	5. Generator's Name and Mailin	ng Address			Generator's Site	Addres	s (if different t	han mailing add			
	LAUSO - COLFAX B	ELEMENTARY BOHOOL	1- Andrew F	d.s.	17724 ADEX(9	3015	GYLET				
	533 8. BEALIORY A LOS ANGELES		90017	1 Jee	VALLEV VILL	GE		G	A. S	1607	
	Generator's Phone:	949581-4264 CA	BRR377		Constraints and all all all all all all all all all al						
	6. Transporter 1 Company Nam	e						U.S. EPA ID			
	ENVIROSERY			CAR000188201							
	7. Transporter 2 Company Nam	e						U.S. EPA ID	Number		
	8. Designated Facility Name and	d Site Address							Number		
	CHENECAL WASTE SE2ST OLD SKYLIN KETTLEMAN CITY	MALLAGENRAT	U.S. EPA ID Number								
	Facility's Phone:	99-9714						UAL	00064	0117	
	9. Waste Shipping Name	and Description				0. Cont		11. Total Quantity	12. Unit Wt./Vol.		
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	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged,										
		'S CERTIFICATION: I hereby declare tha ed, and are in all respects in proper condi								e, and are classif	ied, packaged,
	Generator's/Offeror's Printed/Ty	ped Name		Sig	gnature		7		-	Month	Day Year
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INT'L	15. International Shipments	Import to U.S.		Export from	U.S. F	ort of e	ntry/exit:				
-	Transporter Signature (for export	and the second se				ate lea	ving U.S.:				
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	17. Discrepancy										
Ĩ	17a. Discrepancy Indication Spa	ace Quantity	🔲 Туре		Resid	ue		Partial Re	ection		Full Rejection
			1111-547								
Ľ	17b. Alternate Facility (or Gener	ratori			Manifest Ret	erence	Number:	U.S. EPA ID	Number		
E	Alternate Facility (of Gener	atory						0.0. LFA ID	Number		
ACI	Facility's Phone:							1			
DESIGNATED FACILITY	17c. Signature of Alternate Facil	lity (or Generator)								Month	Day Year
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	 Designated Facility Owner o Printed/Typed Name 	r Operator: Certification of receipt of mate	rials covered by the m		pt as noted in Item gnature	17a				Month	Day Year
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Profile Amendment Request Form

LAUSD-COLFAX he	ereby requests an amendment to WI	MI profile #: 626622CA	_
(Contact Name) to include the following:			
Amendment Type: 📮 One Time Only Request (Event)	Permanent Addition to Profile (B	Base)	
Additional Analytical/MSDS to be added to profile (se	ee attached)		
Volume Increase (specify volume)	🛛 🗋 Tons 🔲 Cubic Yards 🛛 🗋 🛛	Drums 🔲 Gallons 🔲 Other (specify)	
Constituent(s) to be added and/or modify current rates	nge in chemical composition:		
Chemicals or constituents to be added/modify	Low High	Units	
-			
		<u></u>	
		~ ~	
Change current ranges on profile (specify below)			
pH Range 6 to 11.5 Free Liquid R			303
Other (specify) COLOR CHANGE FROM BF	ROWN TO VARIES		
			-
GENERATOR CERTIFICATION			
By signing this form, the Generator hereby certifies: The information provided in this document, the reference contain true and accurate descriptions of the waste mat Generator has been disclosed. Generator/Customer Signature:	terial. All information regarding kno	wn or suspected hazards in the possession of the	uments
Name (Print):			
	and the second se	Title:	_
		Title:	
FOR WASTE MANAGEMENT USE ONLY	Dater	-	
FOR WASTE MANAGEMENT USE ONLY Submitted By:		Time:	
FOR WASTE MANAGEMENT USE ONLY		-	
FOR WASTE MANAGEMENT USE ONLY Submitted By: (W.M. (nitials) WM Approval:		Time:	
FOR WASTE MANAGEMENT USE ONLY Submitted By:	Analytical Extension	Time:	
FOR WASTE MANAGEMENT USE ONLY Submitted By:	Analytical Extension Analytical Due Date	Time: Date:	
FOR WASTE MANAGEMENT USE ONLY Submitted By:	 Analytical Extension Analytical Due Date Requested Extension 	Time: Date:	
FOR WASTE MANAGEMENT USE ONLY Submitted By:	 Analytical Extension Analytical Due Date Requested Extension New Analytical Due 	Time: Date: n Date	
FOR WASTE MANAGEMENT USE ONLY Submitted By: (W.M. (nitials) WM Approval: Agency Approval Required: Agency Approval Required: Profile Extension Original Expiration Date Requested Extension New Expiration Date	 Analytical Extension Analytical Due Date Requested Extension New Analytical Due 	Time: Date: n Date	
FOR WASTE MANAGEMENT USE ONLY Submitted By: (W.M. Initials) WM Approval: Agency Approval Required: Agency Approval Required: Profile Extension Original Expiration Date Requested Extension New Expiration Date	 Analytical Extension Analytical Due Date Requested Extension New Analytical Due 	Time: Date: n Date	



April 26, 2016

Julie Harriman Leighton Consulting, Inc. 17781 Cowan Street Irvine, CA 92614 Tel: (949) 250-1421 Fax:(949) 757-7230

ELAP No.: 1838 CSDLAC No.: 10196 ORELAP No.: CA300003 TCEQ No. : T104704502

Re: ATL Work Order Number : 1601094 Client Reference : Colfax ES, 603378.005

Enclosed are the results for sample(s) received on March 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040 www.atlglobal.com



Leighton Consulting, Inc.Project Number :Colfax ES, 603378.00517781 Cowan StreetReport To :Julie HarrimanIrvine , CA 92614Reported :04/26/2016

SUMMARY OF SAMPLESSample IDLaboratory IDMatrixDate SampledDate ReceivedFB6-4-0.51601094-47Soil3/22/16 10:153/22/16 14:40



Leighton Consulting, Inc. 17781 Cowan Street

Irvine, CA 92614

Project Number : Colfax ES, 603378.005 Report To : Julie Harriman

Reported : 04/26/2016

oported : 04/20/2010

Client Sample ID FB6-4-0.5 Lab ID: 1601094-47

STLC Metals by ICP-AES by E	PA 6010B						Analyst: RR
Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	1.3	1.0	20	B6D0579	04/25/2016	04/25/16 14:47	

QUALITY CONTROL SECTION

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6D0579 - STLC_S Extraction									
Blank (B6D0579-BLK1)				Prepared	l: 4/25/2016 A	Analyzed: 4/25/	2016		
Lead	ND	1.0			NR				
LCS (B6D0579-BS1)		Prepared: 4/25/2016 Analyzed: 4/25/2016							
Lead	1.84596		2.00000		92.3	80 - 120			
Matrix Spike (B6D0579-MS1)	Source: 1601094-47		Prepared: 4/25/2016 Analyzed: 4/25/2016			2016			
Lead	3.49678		2.50000	1.26383	89.3	44 - 130			
Matrix Spike Dup (B6D0579-MSD1)		Source: 1601094-47		Prepared	l: 4/25/2016 A	Analyzed: 4/25/	2016		
Lead	3.45717		2.50000	1.26383	87.7	44 - 130	1.14	20	



Leighton Consulting, Inc.	Project Number : Colfax ES, 603378.005
17781 Cowan Street	Report To: Julie Harriman
Irvine , CA 92614	Reported : 04/26/2016

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

(3) Results are wet unless otherwise specified.

Rachelle Arada

From: Sent: To: Cc: Subject: Kevin Hall [khall@leightongroup.com] Thursday, April 21, 2016 3:14 PM Rachelle Arada Julie Harriman; customer.relations@atlglobal.com RE: LAUSD Colfax ES- STLC

Yes, thank you for checking.

Kevin C. Hall Senior Staff Environmental Scientist 17781 Cowan Irvine. CA 92614 949-302-8491 Mobile 949-681-4204 Office LEIGHTON Solutions You Can Build On

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From: Rachelle Arada [<u>mailto:Rachelle@atlglobal.com</u>] Sent: Thursday, April 21, 2016 1:46 PM To: Kevin Hall Cc: Julie Harriman; <u>customer.relations@atlglobal.com</u> Subject: RE: LAUSD Colfax ES- STLC

Hi Kevin,

I'm assuming you need STLC lead analysis, is this correct?

Rachelle

From: Kevin Hall [mailto:khall@leightongroup.com] Sent: Thursday, April 21, 2016 1:27 PM To: Rachelle Arada Cc: Julie Harriman Subject: LAUSD Colfax ES- STLC

Hi Rachelle,

Please analyze the sample ID below for STLC on a 72hr TAT.

Client Sample ID FB6-4-0.5

Lab ID: 1601094-47

Thank you,

Kevin C. Hall Senior Staff Environmental Scientist 17781 Cowan Irvine, CA 92614 949-302-8491 Mobile 949-681-4204 Office LEIGHTON Solutions You Can Build On



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